NBSIR 80-2054

The Burning of Wood and Plastic Cribs in an Enclosure: Volume II

James G. Quintiere, Bernard J. McCaffrey and Margaret Harkleroad

Center for Fire Research
National Engineering Laboratory
National Bureau of Standards
U.S. Department of Commerce
Washington, DC 20234

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Final Report

Prepared for:
Products Research Committee
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U.S. DEPARTMENT OF COMMERCE, Philip M. Klutznick, *Secretary*
Jordan J. Baruch, *Assistant Secretary for Productivity, Technology, and Innovation*
NATIONAL BUREAU OF STANDARDS, Ernest Ambler, *Director*

TABLE OF CONTENTS

	Page
LIST OF FIGURES	iv
LIST OF TABLES	v
1. INTRODUCTION	1
2. ROOM TEMPERATURES	9
3. DOORWAY TEMPERATURES	30
4. CRIB MASS LOSS	51
5. CRIB MASS LOSS RATE	72
6. ROOM AND DOORWAY GAS TEMPERATURE PROFILES (T)	93
7. DOORWAY VELOCITY PROFILES (V)	114
8. DOORWAY MASS FLOW RATE	155
9. ROOM STATIC PRESSURE	176
10. GAS CONCENTRATION	197
11. REFERENCES	218
APPENDIX A - EXERCISE IN AVERAGING	219
APPENDIX B - TRANSIENT DATA	
APPENDIX C - AVERAGE PEAK VALUES	

LIST OF FIGURES

		Page
1-1.	Room instrumentation --thermocouple section (fig. 2-5, Vol. I)	5
1-2.	Room instrumentation --side view (fig. 2-4, Col. I)	6
2-1.	Through 2-20. Room temperatures as a function of time.	10-29
3-1.	Through 3-20. Doorway temperatures as a function of time.	31-50
4-1.	Through 4-20. Crib mass loss as a function of time	52-71
5-1.	Through 5-20. Crib mass loss rate as a function of time.	73-92
6-1.	Through 6-20. Room and doorway gas temperature profiles for times at 30 seconds following ignition, the start of the average peak burning time, its midpoint, and its end.	94-113
7-1.	Through 7-39. Doorway velocity profiles at 35-second intervals up to 560 seconds	115-154
8-1.	Through 8-20. Doorway mass flow rates in and out as a function of time.	156-175
9-1.	Through 9-20. Room pressure differentials at elevations corresponding to the probe position designated by channel number.	177-196
10-1.	Through 10-20. Volumetric concentrations of 0_2 and CO_2 (on a dry gas sample basis) measured at the top of the doorway as a function of time	198-217
A-1.	Through A-6. Recorded differential pressure signals for PRC-1-P-1 at the sensor locations corresponding to channels 41 through 46	220-225
A-7.	Time-averaged pressure (PRC 1-P-1), 50s interval, rectangular integration	226
A-8.	Time-averaged pressure (PRC 1-P-1), 25s interval, trapezodial rule.	227
A-9.	Time-averaged pressure (PRC 1-P-1), 50s interval, trapezodial rule.	228
A-10.	Time-averaged pressure (PRC 1-P-1), 75s interval, trapezodial rule.	229
A-11.	Time-averaged pressure (PRC 1-P-1), 100s interval, trapezodial rule.	230

LIST OF TABLES

Page

Table 1. Sequence of room fire experiments 2

Table 2. Type of instrumentation 3

Table 3. Correlation key for raw data. 4

Table 4. Average peak values for significant results 7

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1. INTRODUCTION

This is a summary and compilation of the room fire data referenced in "The Burning of Wood and Plastic Cribs in an Enclosure: Volume I". A complete set of the transient raw data in the format given in table 1 is available on a 9-track, 1600 BPI, 132 character record, ASCII format magnetic tape. A printed listing of the data is tabulated in appendix B.

Section 2.3 of volume I [1][1] gives a detailed description of the instrumentation. Here we include table 2 which describes the type of instrumentation and table 3 which indicates the symbol and letter key use to designate the sensor. Accordingly, the sensor locations are shown in figures 1-1 and 1-2.

Typical of room fire experiments, an immoderate amount of data was collected. For the most part, we have chosen to examine the quasi-steady results during the peak burning period. These results have been thoroughly discussed in volume I [1], and are presented here again in table 4 for convenience. Since the general transient aspects of the experiments may be of interest, these results are presented in the following sections. The order of presentation for each parameter will follow the sequence given in table 4; however, the first experiment (PRC 0) was not included.

[1] Numbers in brackets refer to the literature references listed at the end of this report.

Table 1. Sequence of room fire experiments

Date	Exp. No. PRC	Fuel W-Sugar Pine P-Polyurethane	No. of Cribs	Doorway Width Factor 1 = 0.79 1/2 = 0.39m 1/4 = 0.19m	Filter Paper Target 0-no effect 1-charred 2-consumed	Comments
3-07-77	0	W	1	1	0	Shakedown
3-11-77	1	P	1	1	0	
3-15-77	2	W	3	1	0	
3-17-77	3	W	1	1	0	
3-17-77	4	P	2	1	0	
3-22-77	5	W	2	1	0	Slow crib ignition
3-22-77	6	P	3	1	2	Walls & ceiling cracked
3-24-77	7	W	4	1	1	
3-25-77	8	P	4	1	2	
4-21-77	9	W	2	1/2	0	Wall & ceiling replaced
4-22-77	10	P	2	1/2	1-	T23 shorted
4-27-77	11	W	3	1/2	0	
4-30-77	12	P	1	1/4	0	
5-04-77	13	W	2	1/4	0	
5-04-77	14	P	2	1/4	1	Initial ceiling temp. 50°C
5-06-77	15	W	4	1/2	1	Possible load cell problem
5-06-77	16	P	3	1/4	2	Possible load cell problem
5-11-77	17	W	4	1/4	1+	Possible load cell problem
5-11-77	18	P	3	1/2	2	Possible load cell problem
5-26-77	19	W	4	1/4	1+	Repeat of PRC 17
5-26-77	20	P	3	1/4	2	Repeat of PRC 16

INSTRUCTIONS: First line of type must touch top blue border. See NBS Forms Catalog, Forms F
for instructions as to when

Table 2. Type of instrumentation

Measurement	Label	Symbol	Probes	Description
Temperature	T	△	T1-T27,29,30	Chromel alumel thermocouple (~0.5 mm bead diam. generally)
Temperature	T	◁	T28	Aspirated thermocouple probe (United Sensor)
Total heat flux	H	□	H1,2	Thermopile-type water cooled with 0.98 absorptivity sensing face (Medtherm)
Radiative flux	R	□	R1,2	Thermopile-type water cooled with (Kodak) ITRAN 2 window (Medtherm)
Oxygen volume concentration	G	⬡	G1	Electrolytic cell, dry basis
CO_2 volume concentration	G	⬡	G2	Infra-red absorption, dry basis (Beckman)
Weight	L	☆	L1	Strain-gage load platform, water cooled (BLH Electronics)
Static pressure difference	DP	○	DP1-6	Variable reluctance pressure transducer and signal processor (Dynascience, Natel)
Velocity pressure	P	○	P1-7	Bidirectional velocity probe, capacitance type pressure transducer and electronic manometer (Datametrics)

Table 3. Correlation key for raw data

Instrument		Monitored Variable	Channel Number	Units
L1	Load Cell Platform	Burning Mass Loss	31	g
H2	Floor Heat Flux Meter	Total Heat Transfer Incident on Floor	32	W/cm^2
T24	Thermocouple (TC) on Target Filter Paper	Indicates Ignition of Target Filter Paper	23	°C
T8-T23	Room TC Rake 16 TC's Including Ceiling	Representative Room Gas Temperature Gradient	7-22	°C
T25	Wall TC	Representative Upper Wall Temperature	24	°C
T1-T7	Doorway TC Rake 7 TC's	Gas Temperature Distribution in Doorway	0-6	°C
P1-P7	Bidirectional Velocity Probes (7)	Gas Outflow and Inflow Velocity	(30, Probe I.D.)	m/s
G1 G2	Doorway Gas Sampling	O_2 and CO_2 Concentration of Exhaust Gas	40 and 47	o/o
DP1-DP6	Static Pressure Probes (6)	Room Static Pressure Distribution (differential - room to ambient)	41-46	N/m^2
R1	Ceiling Radiant Energy Meter	Incident Radiant Heat Flux to Ceiling	33	W/cm^2
H1	Ceiling Heat Flux Meter	Total Incident Heat Flux to Ceiling	34	W/cm^2
R2	Radiometer	Heat Flux from Region above 0.95m above Floor[a]	39	W/cm^2
T26-T30	Small Wire Thermocouples and an Aspirated Thermocouple (T28)	Room Gas Temperature[b]	25-29	°C

[a]Added for PRC 13 - PRC 18

[b]Added for PRC 9 - PRC 20

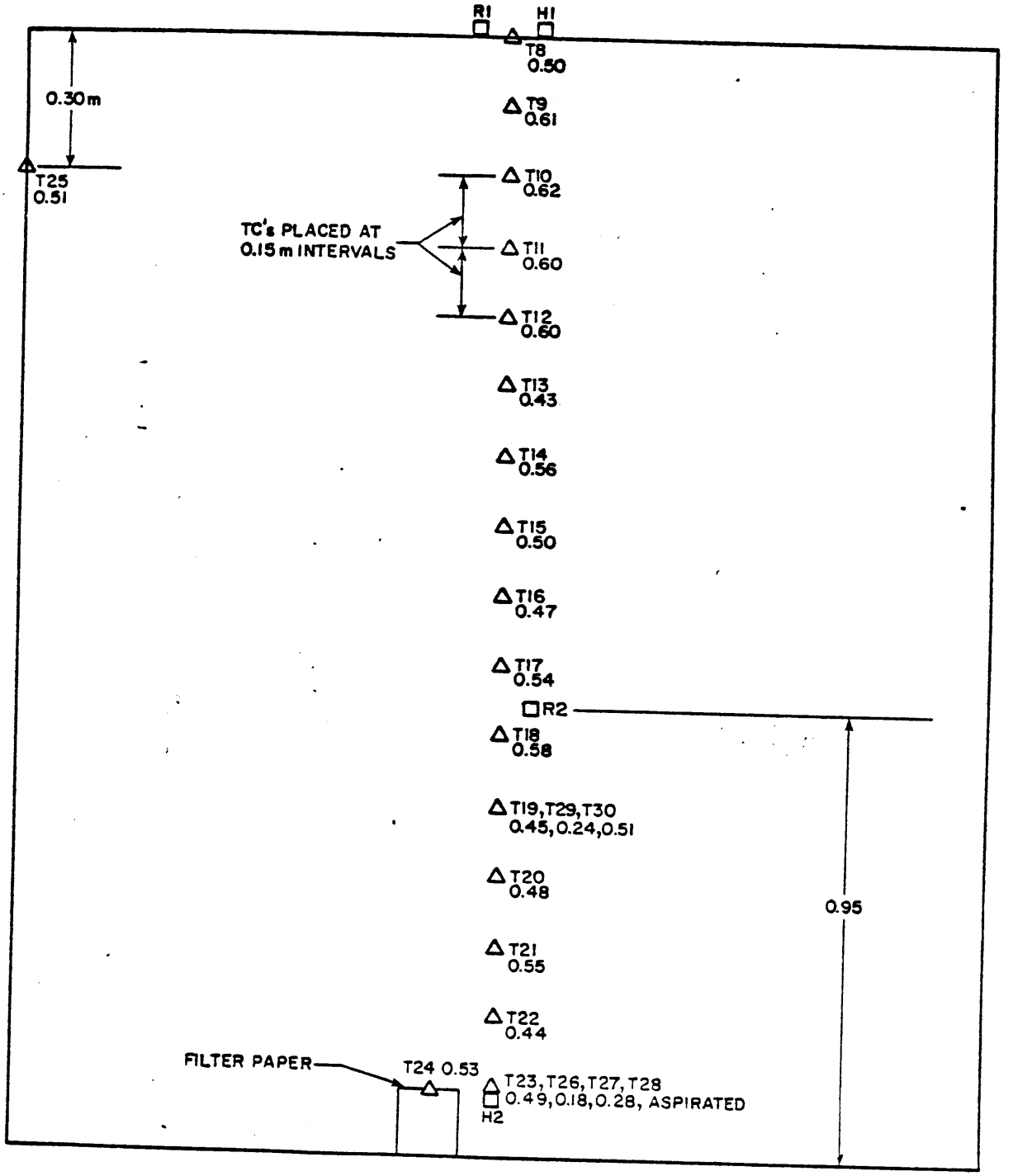


Figure 1-1. Room instrumentation--thermocouple section

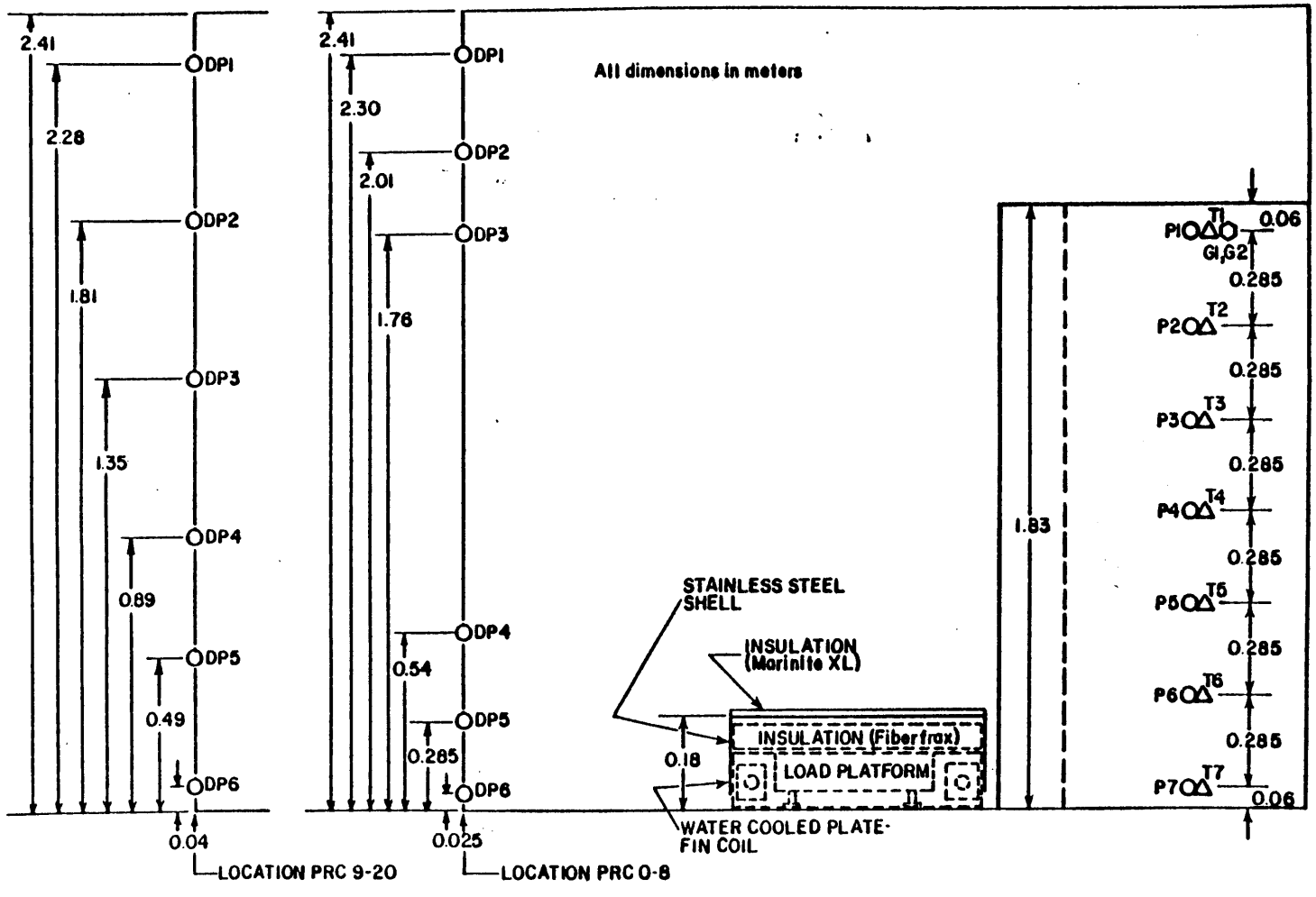


Figure 1-2. Room instrumentation--side view

Table 4. Average peak values for significant results

W_o = 0.79m ($A_o\sqrt{H_o}$ = 1.96m$^{5/2}$)	APV Times (s)	$\dot{m}_v$ (g/s)	$\dot{m}_{in}$ (kg/s)	$\dot{m}_{out}$ (kg/s)	$\bar{T}_{9\text{-}10\text{-}11}$ (°C)	T_8 (°C) Ceiling Temp. (°C)	T_{21} (°C) Wall Temp. (°C)	H_2 (W/cm^2)	H_1 (W/cm^2)	% O_2	% CO_2	N/H_o	Thermal D/H_o	Video Tapes D/H_o
PRC 0-W-1-1	105-440	5.08	.237	.371	157	85	--	.153	--	19.1	2.43	.633	.66	
PRC 3-W-1-1	120-460	5.10	.242	.380	151	137	81	.148	.336	19.0	2.37	.653	.66	.73-.86
PRC 5-W-2-1	175-455	11.86	.445	.470	243	158	124	.248	.774	18.2	3.80	.651	.57	.88
PRC 2-W-3-1	130-375	20.14	.410	.631	328	211	193	.543	1.21	16.7	5.10	.665	.49	.60
PRC 7-W-4-1	85-320	28.64	.503	.685	416	319	293	1.01	2.54	15.6	6.94	.590	.53	.55
PRC 1-P-1-1	70-290	6.98	.517	.598	212	122	119	.381	.655	18.6	2.52	.634	.57	.46
PRC 4-P-2-1	65-215	20.19	.450	.667	366	286	240	1.04	2.06	15.1	5.86	.634	.49	.49
PRC 6-P-3-1	50-185	33.02	.516	.650	682	607	543	2.39	7.78	10.7	11.8	.566	.49	.50
PRC 8-P-4-1	60-230	35.29	.489	.697	794	754	716	2.86	10.4	9.57	11.4	.534	.37	.44
W_o = 0.39m ($A_o\sqrt{H_o}$ = 0.98)														
PRC 9-W-2-1/2	95-385	11.94	.259	.370	288	145	139	0.42	0.81	16.7	3.21	.574	.57	.57
PRC 11-W-3-1/2	105-370	18.73	.354	.385	356	231	200	0.58	1.30	15.3	5.99	.587	.49	.52
PRC 15-W-4-1/2	70-310	28.28	.389	.422	424	314	316	1.01	2.25	13.7	6.86	.561	.41	.37
PRC 10-P-2-1/2	60-255	15.42	.341	.421	386	245	254	1.00	1.90	14.2	5.31	.557	.29	.33
PRC 18-P-3-1/2	70-260	25.02	.400	.492	680	644	639	2.39	6.65	7.81	10.4	.532	.25	.42
W_o = 0.19m ($A_o\sqrt{H_o}$ = 0.49)														
PRC 13-W-2-1/4	130-425	11.27	.173	.225	319	185	174	0.43	0.90	14.8	5.36	.557	.45	.45
PRC 17-W-4-1/4	85-365	24.48	.224	.272	488	415	376	1.45	3.12	8.01	12.5	.530	.29	.30
PRC 19-W-4-1/4	85-345	26.41	.196	.283	478	386	352	1.40	1.95	9.67	10.9	.530	.25	
PRC 12-P-1-1/4	85-350	5.90	.203	.207	238	151	129	0.39	0.71	16.4	2.67	.564	.41	.04
PRC 14-P-2-1/4	55-265	14.55	.213	.251	403	324	292	0.98	2.11	11.8	7.05	.542	.29	.02
PRC 16-P-3-1/4	85-300	21.97	.242	.297	632	576	564	1.77	5.70	9.50	9.69	.516	.25	.02
PRC 20-P-3-1/4	60-260	22.93	.214	.283	642	600	554	1.79	5.94	8.43	10.4	.508	.25	

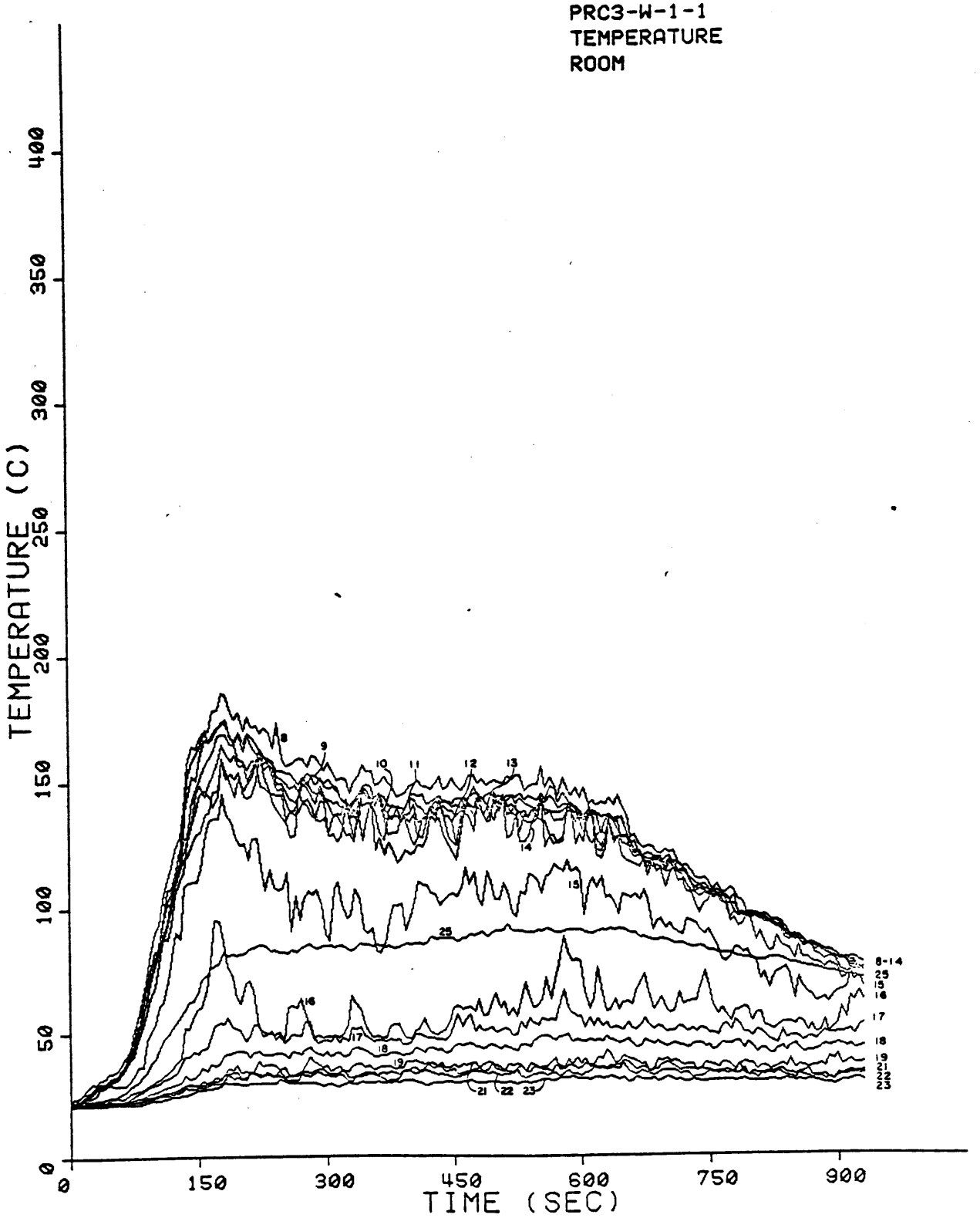
Table 4 (continued)

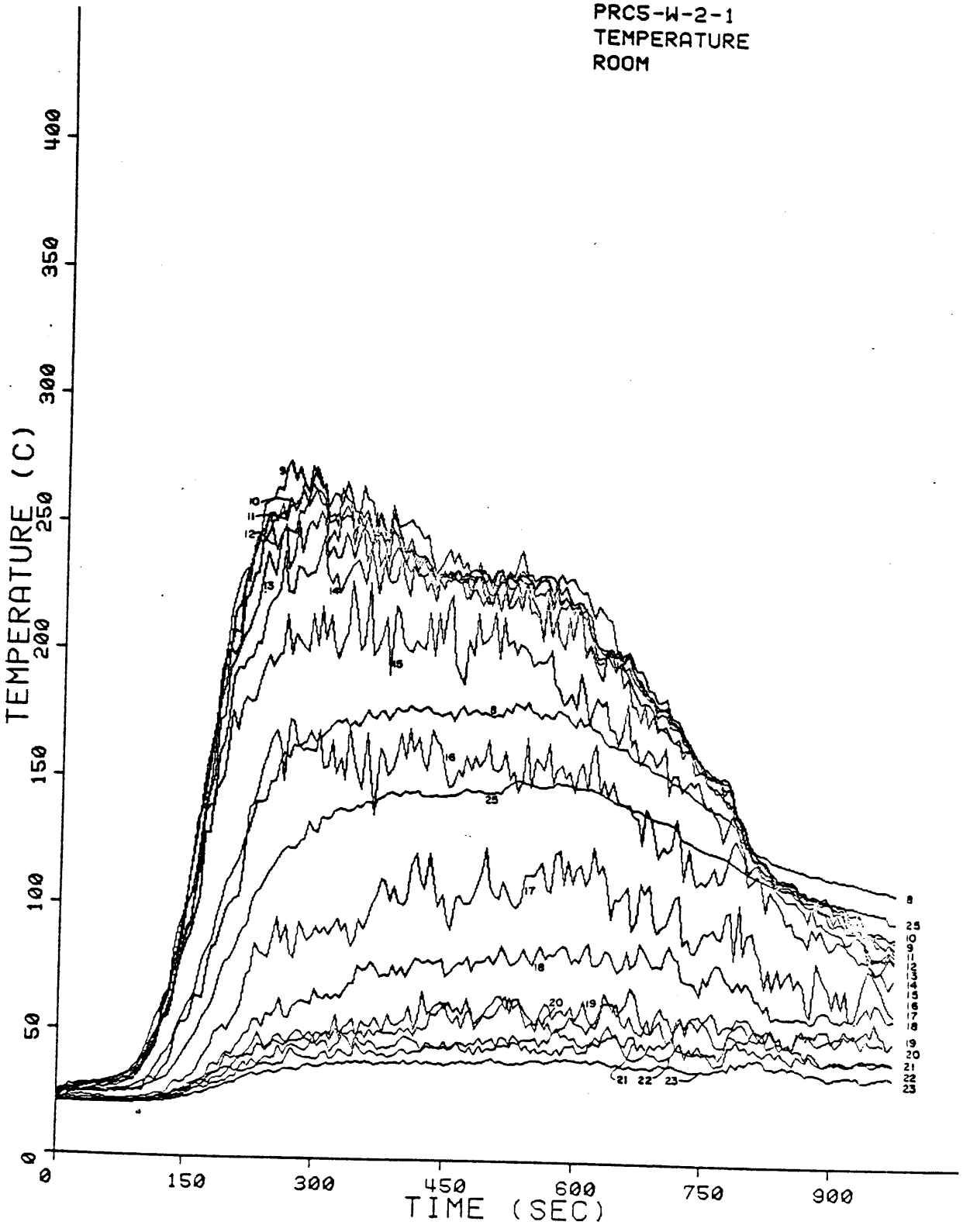
W_o = 0.79m ($A_o\sqrt{H_o}$ = 1.96m$^{5/2}$)	V_1 (m/s)	V_2 (m/s)	V_3 (m/s)	V_4 (m/s)	V_5 (m/s)	V_6 (m/s)	V_7 (m/s)	Δp_1 (N/m^2)	Δp_2 (N/m^2)	Δp_3 (N/m^2)	Δp_4 (N/m^2)	Δp_5 (N/m^2)	Δp_6 (N/m^2)
PRC 0-W-1-1	1.95	0.595	0.064	-.241	-.170	-.380	-.329	3.46	3.14	2.19	-0.649	-0.075	--
PRC 3-W-1-1	1.80	0.744	0.0035	-.205	-.150	-.342	-.301	4.81	2.78	2.00	-0.049	-0.082	-0.477
PRC 5-W-2-1	2.46	1.30	.0115	-.400	-.428	-.525	-.561	7.03	5.43	3.45	-0.461	-0.225	-0.513
PRC 2-W-3-1	3.36	2.40	-.156	-.133	-.504	-.377	-.642	7.00	7.125	4.47	-0.811	-0.371	-0.141
PRC 7-W-4-1	3.68	2.58	.225	-.311	-.460	-.776	-.727	10.58	7.97	5.02	-0.704	-0.192	-0.062
PRC 1-P-1-1	2.29	1.75	.0567	-.356	-.477	-.724	-.658	6.22	5.22	3.67	-0.761	-0.224	-0.723
PRC 4-P-2-1	3.34	2.52	.0996	-.623	-.732	-.278	-.176	9.64	7.64	4.92	-0.079	--	--
PRC 6-P-3-1	4.65	2.92	.510	-.373	-.502	-.829	-.878	10.78	9.71	6.20	-0.214	-0.320	-1.474
PRC 8-P-4-1	4.93	2.98	.593	-.166	-.747	-.617	-.969	11.67	9.34	5.73	-0.172	-0.791	-0.722
W_o = 0.39m ($A_o\sqrt{H_o}$ = 0.98)								H = 2.28m	1.81	1.35	0.89	0.49	0.04
PRC 9-W-2-1/2	3.21	2.46	.529	-.487	-.586	-.707	-.685	7.86	4.68	2.42	-0.455	-1.13	-0.198
PRC 11-W-3-1/2	3.81	2.94	.522	-.702	-.779	-.864	-.871	10.69	6.15	1.41	0.655	-1.25	-0.322
PRC 15-W-4-1/2	4.31	3.38	1.15	-.748	-0.75	-1.09	-.969	11.37	6.81	2.72	0.471	-1.68	-0.66
PRC 10-P-2-1/2	3.82	3.07	1.073	-.623	-.816	-.926	-.929	10.06	5.20	3.40	-0.511	-0.917	-0.364
PRC 18-P-3-1/2	5.42	4.17	2.23	-.643	-.971	-1.13	-1.13	11.89	8.13	3.31	-0.039	-1.20	-1.98
W_o = 0.19m ($A_o\sqrt{H_o}$ = 0.49)													
PRC 13-W-2-1/4	3.82	3.02	1.12	-.638	-.863	-.835	-.992	9.26	5.68	2.04	0.446	-1.305	-1.197
PRC 17-W-4-1/4	5.05	4.12	2.86	-.695	-1.06	-1.24	-1.24	12.33	8.10	3.36	0.331	-1.458	-2.48
PRC 19-W-4-1/4	5.10	4.26	2.86	-.672	-.925	-1.11	-1.10	12.01	9.25	4.00	0.194	-1.03	-1.68
PRC 12-P-1-1/4	2.97	2.55	1.09	-.753	-.986	-1.06	-1.04	7.063	5.13	2.18	-0.306	-1.25	-1.34
PRC 14-P-2-1/4	4.09	3.46	1.90	-.694	-1.05	-1.19	-1.19	10.13	6.91	3.58	0.148	-1.447	-2.26
PRC 16-P-3-1/4	5.17	4.46	2.98	-.340	-1.22	-1.55	-1.37	--	9.35	4.32	-0.94	-0.486	--
PRC 20-P-3-1/4	5.07	4.24	2.90	-1.63	-1.10	-1.34	-1.33	11.57	9.38	3.60	-0.02	-1.63	-2.45

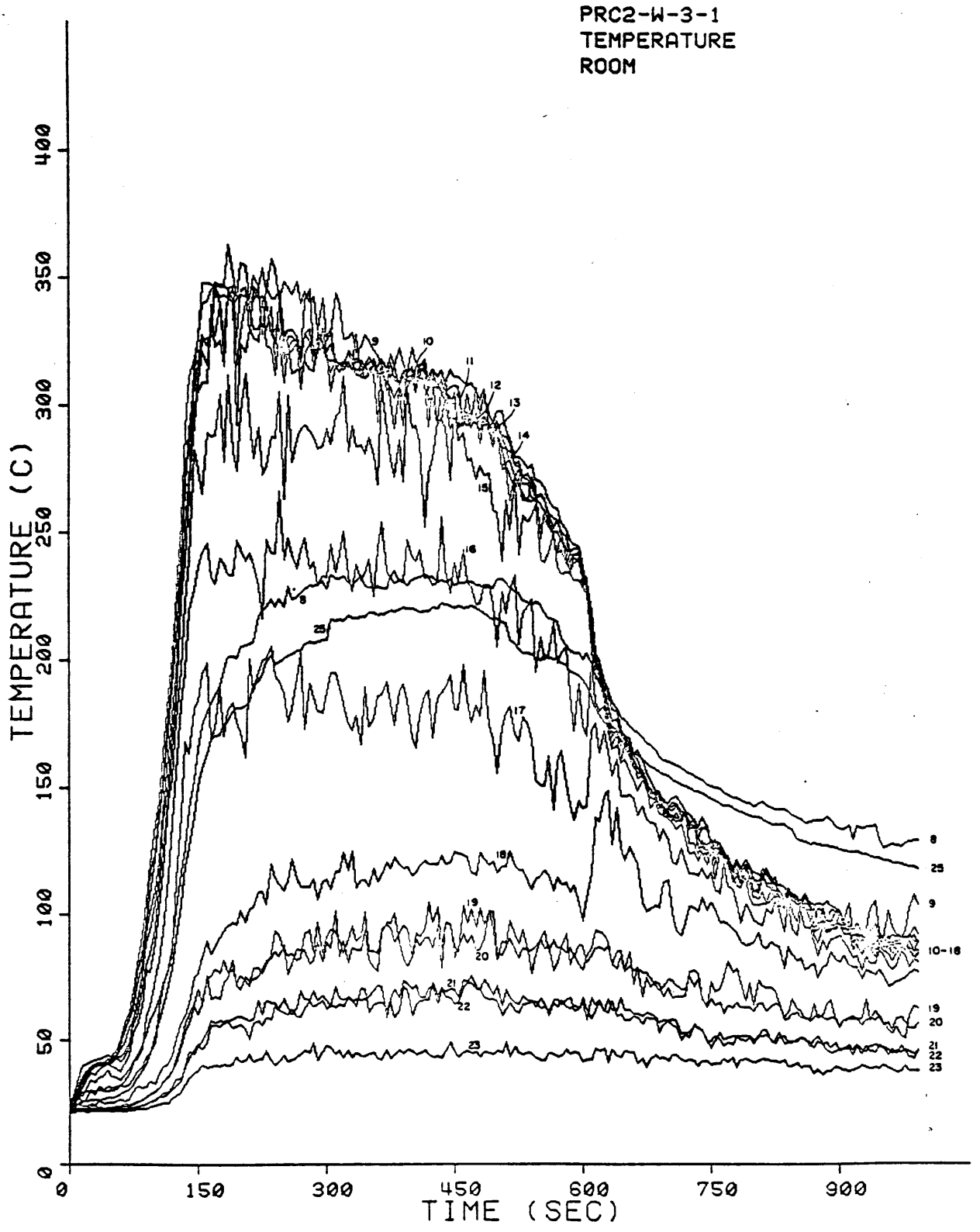
2. ROOM TEMPERATURES

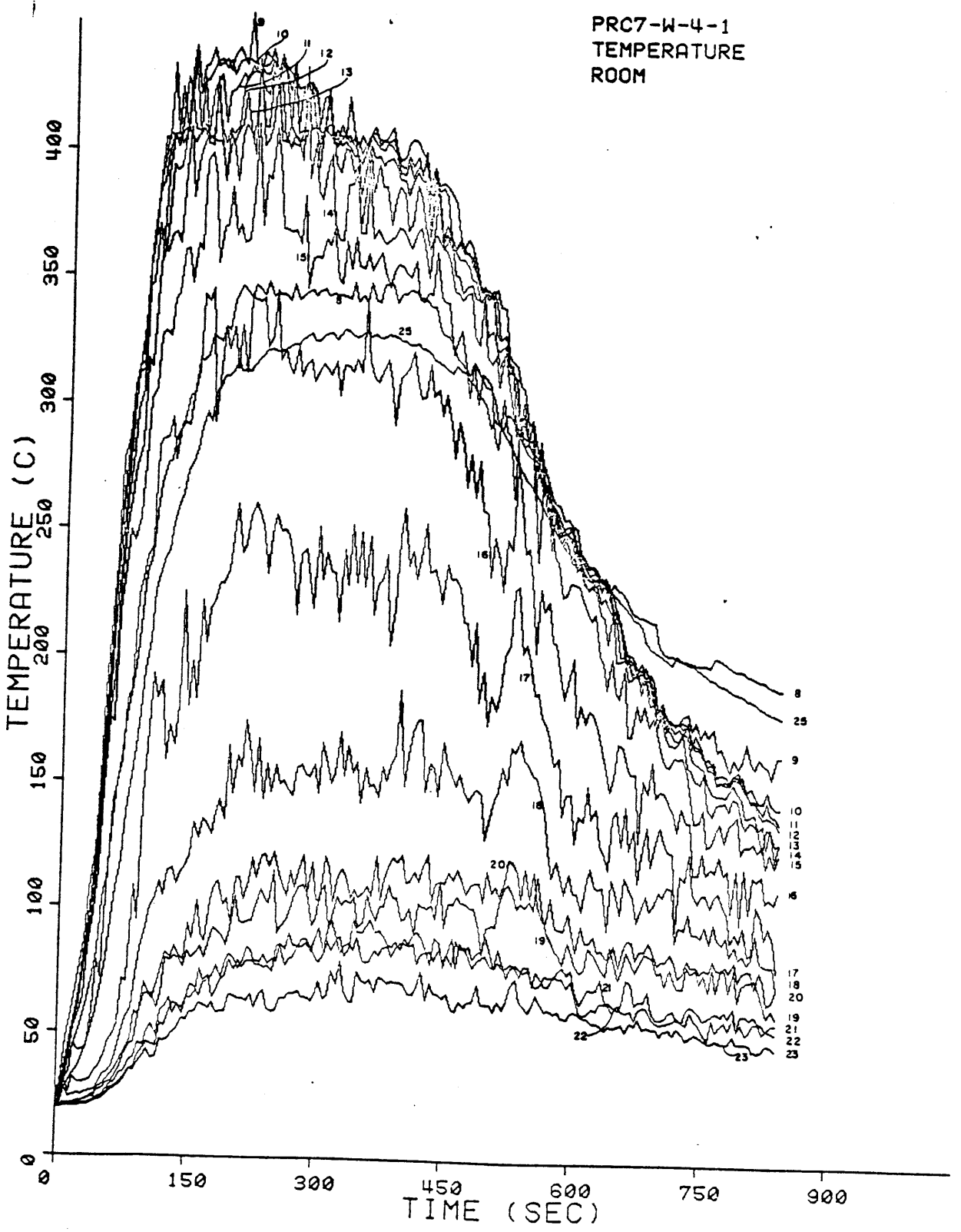
Room temperatures measured as described in volume I [1], section 2.3.1 are shown as a function of time in figures 2.1 to 2.20. The curves are labeled according to thermocouple number, as referenced in figure 1.1. These results include the ceiling (T8) and wall (T25) temperatures, but do not include the filter paper temperature (T24).

Some anomalous behavior of the data is present and may be explained. For example, the ceiling temperature generally follows the wall temperature, but this is not the case in PRC 3. It appears that in that case T8 was more likely measuring the gas temperature near the ceiling. The temperature fluctuations generally reflect the turbulence level but in some instances extraordinary excursions are shown. These excursions do not reflect the temperature; the cause of the error is not known. In PRC 9 and 10 it appears that T23 was not recording the proper temperature, in fact T23 was found to have had a short circuit at the thermocouple junction box located in the room. Hence, it was probably measuring the temperature in the junction box for these two experiments. Finally, during the fire decay period T28, the aspirated thermocouple appears to have an anomolous behavior. It occurs for the high temperature fires with small doorways. The aspirated temperature begins to exceed the bare thermocouple data. This is probably a valid reading due to conduction from the hot aspirated probe metal tube which is slow to cool. When this occurs T28 does not give a true gas temperature reading.


PRC3-W-1-1
TEMPERATURE
ROOM
TEMPERATURE (C)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900
TIME (SEC)
8-14
25
15
16
17
18
19
21
22
23


PRCS-W-2-1
TEMPERATURE
ROOM
TEMPERATURE (C)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900
TIME (SEC)


PRC2-W-3-1
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900
8
25
9
10-16
19
20
21
22
23


PRC7-W-4-1
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
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50
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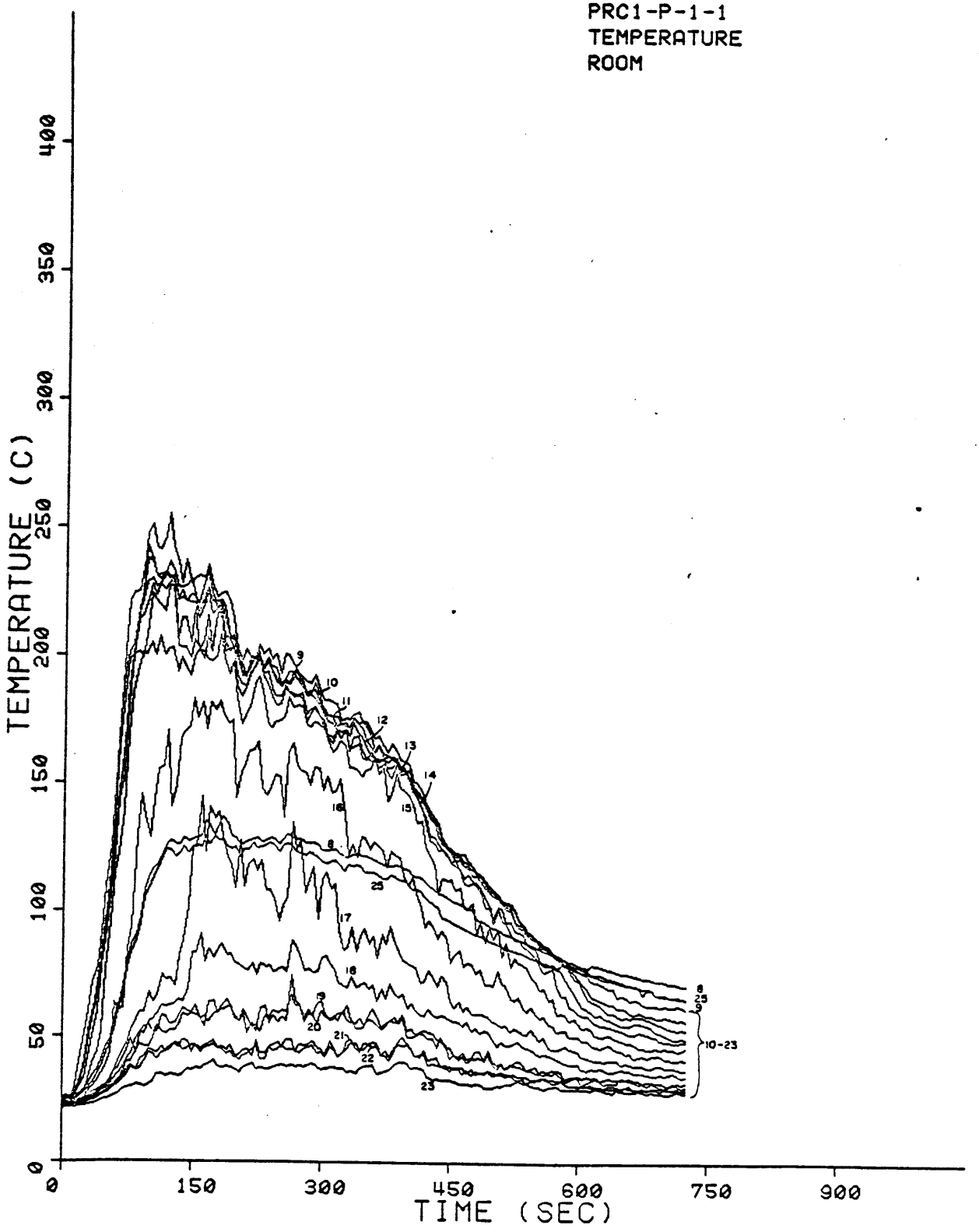
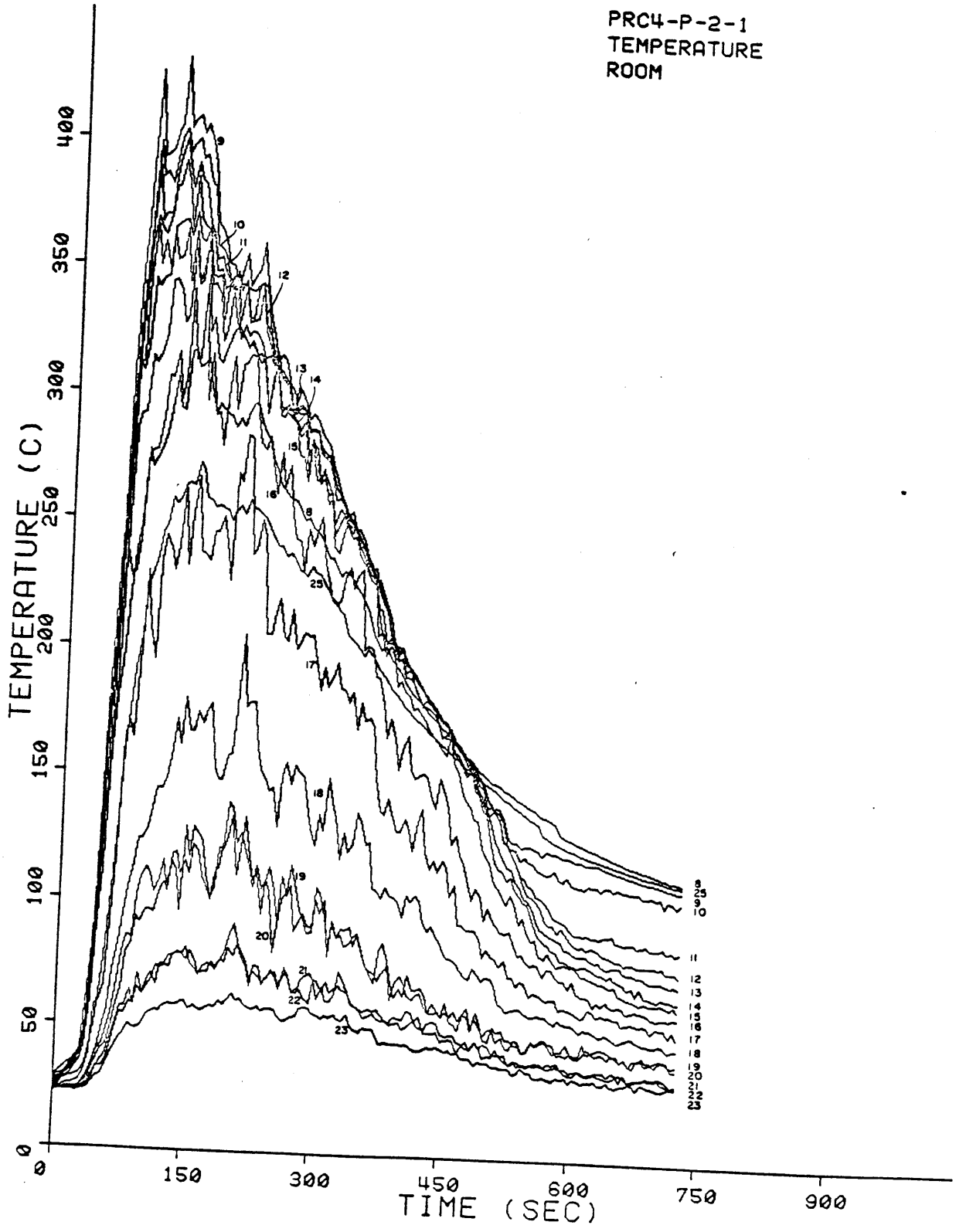
150
200
250
300
350
400
0
150
300
450
600
750
900


PRC1-P-1-1
TEMPERATURE
ROOM
TEMPERATURE (C)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900
TIME (SEC)
8
25
9
10-23


PRC4-P-2-1
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900
8
23
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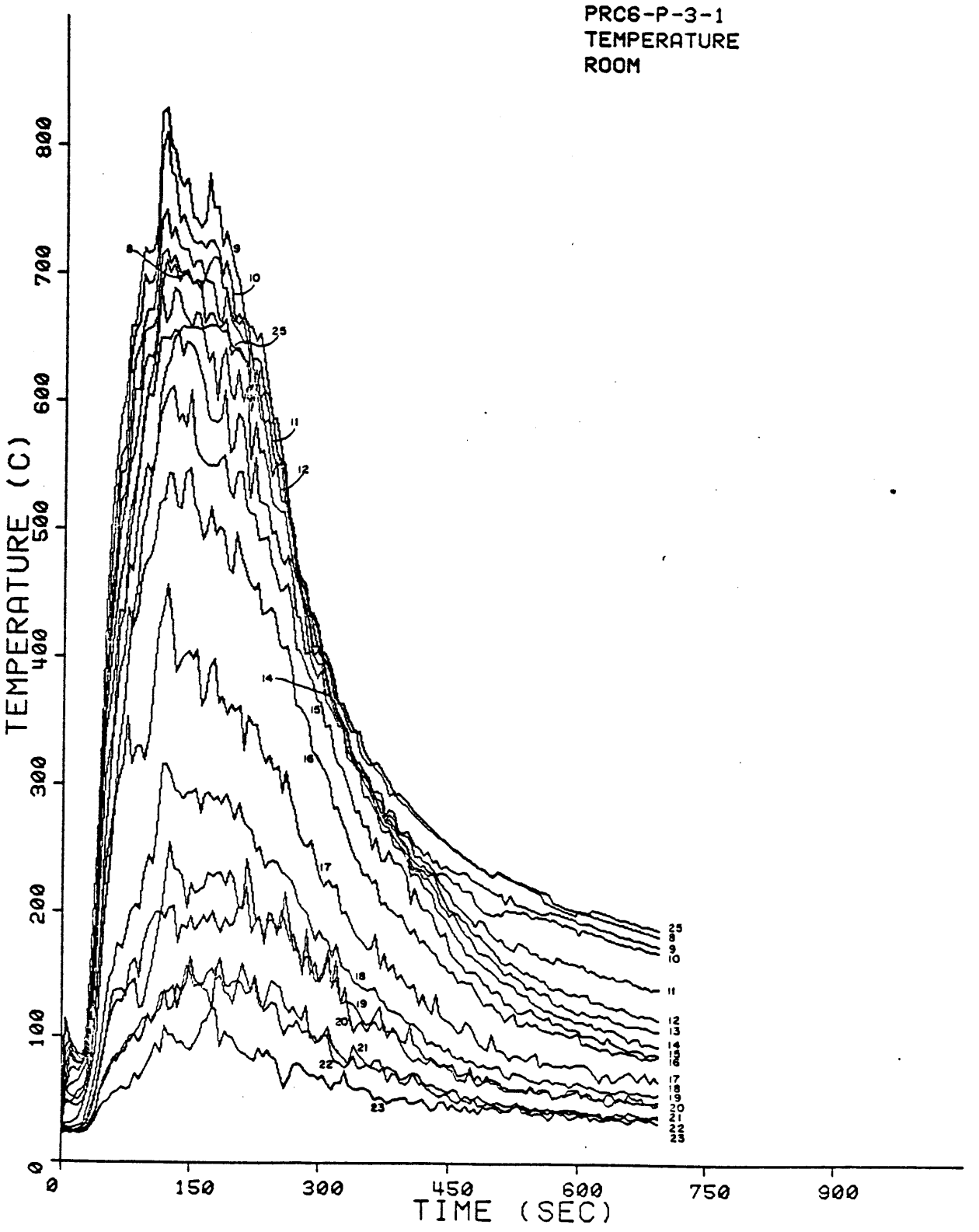
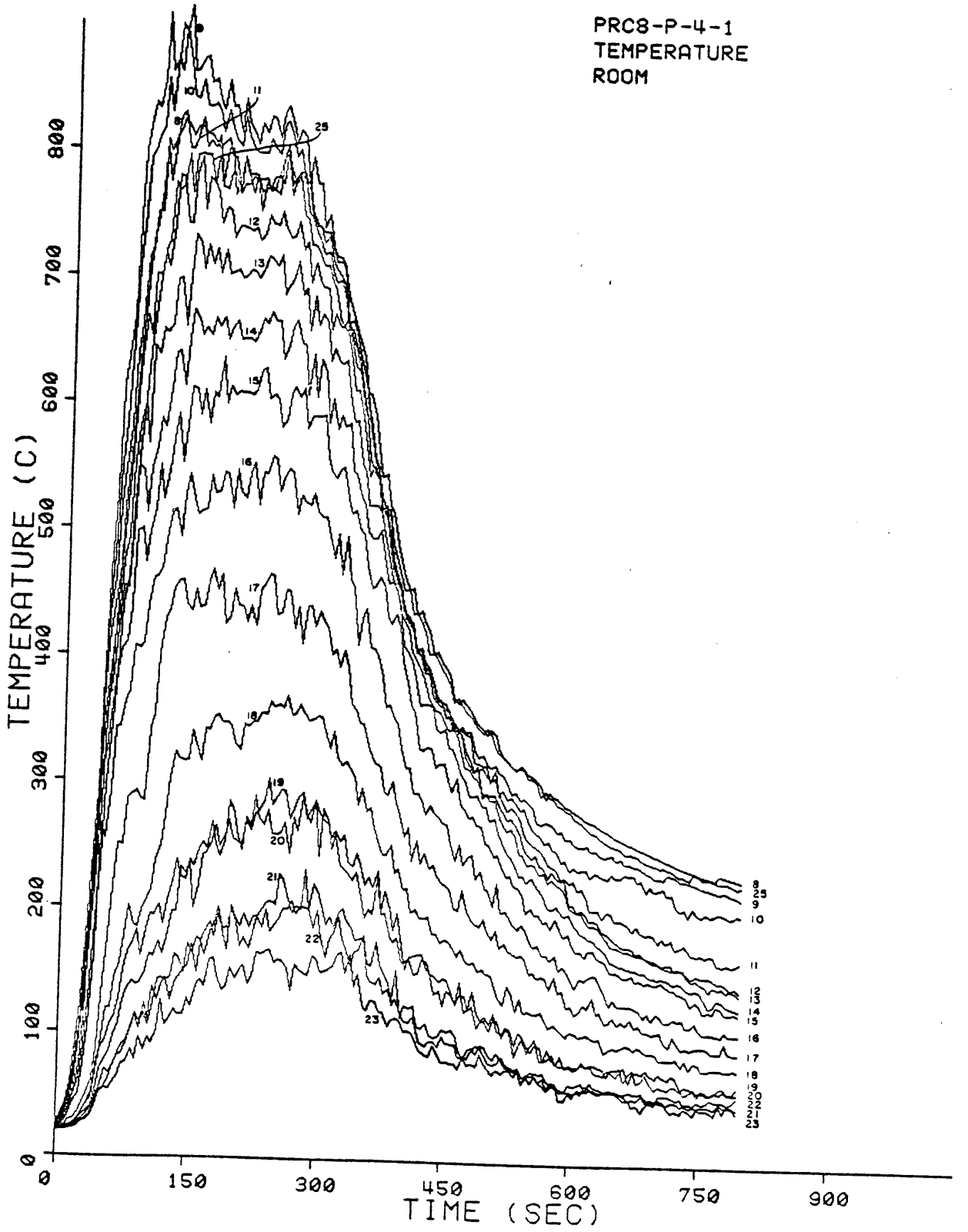
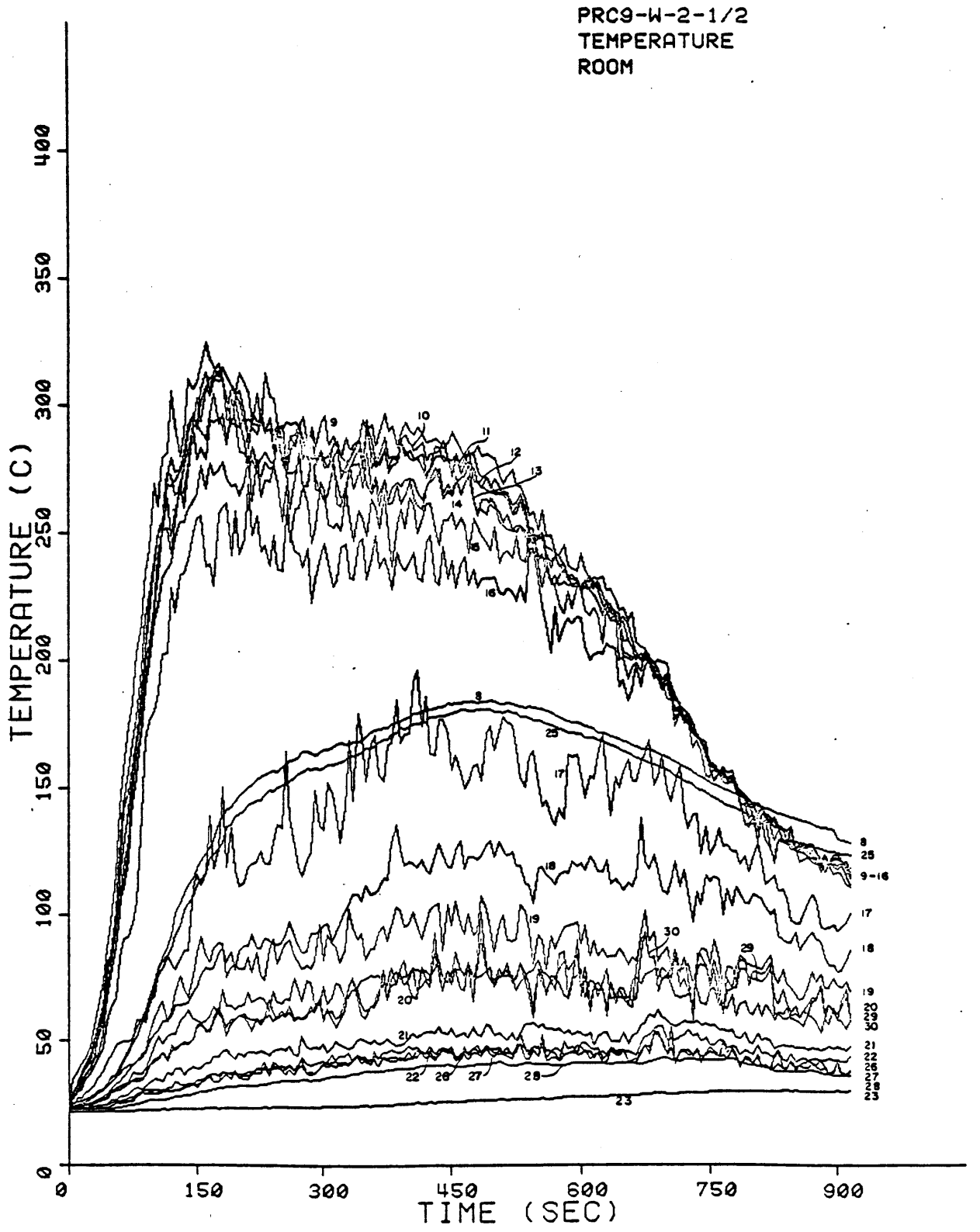
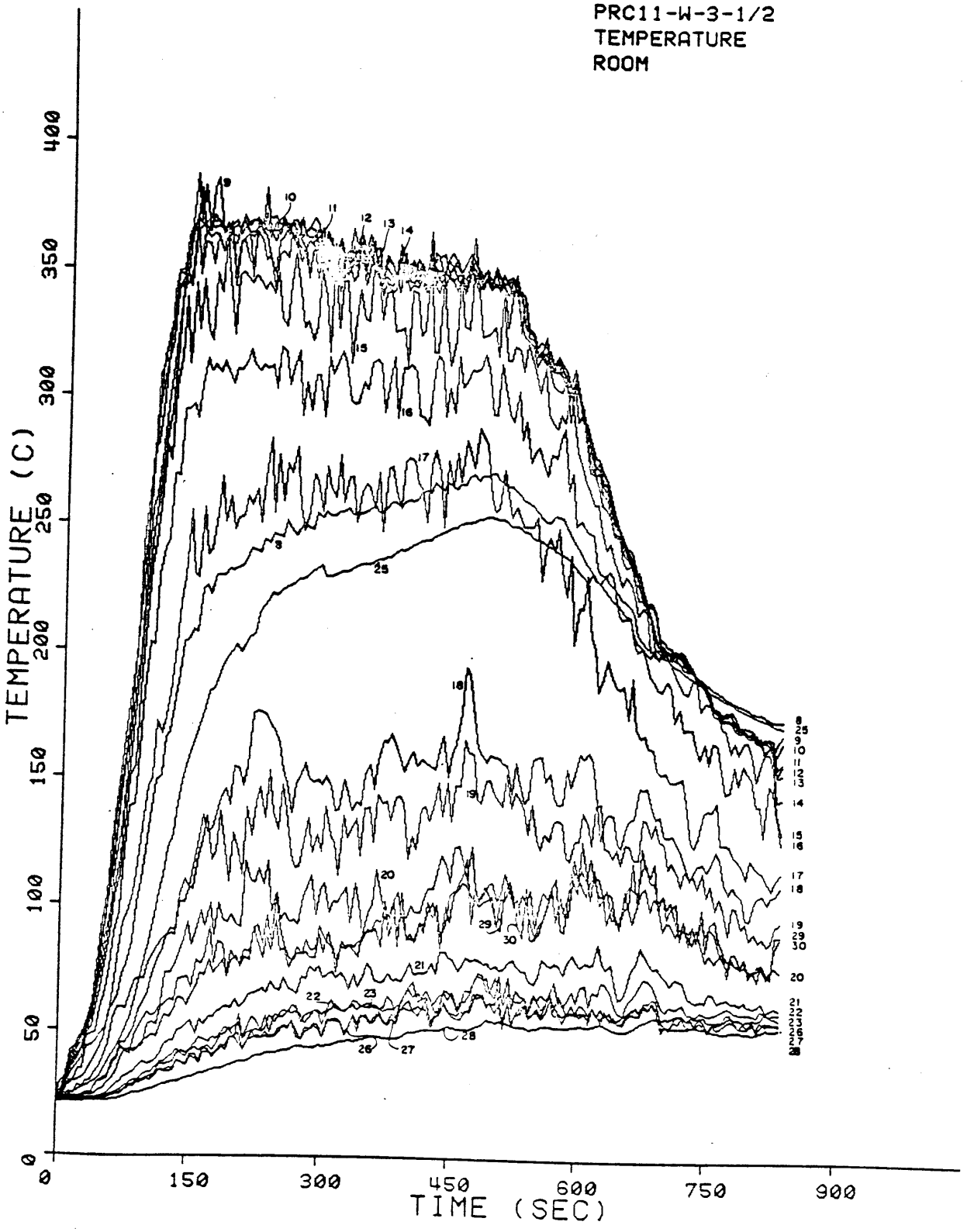
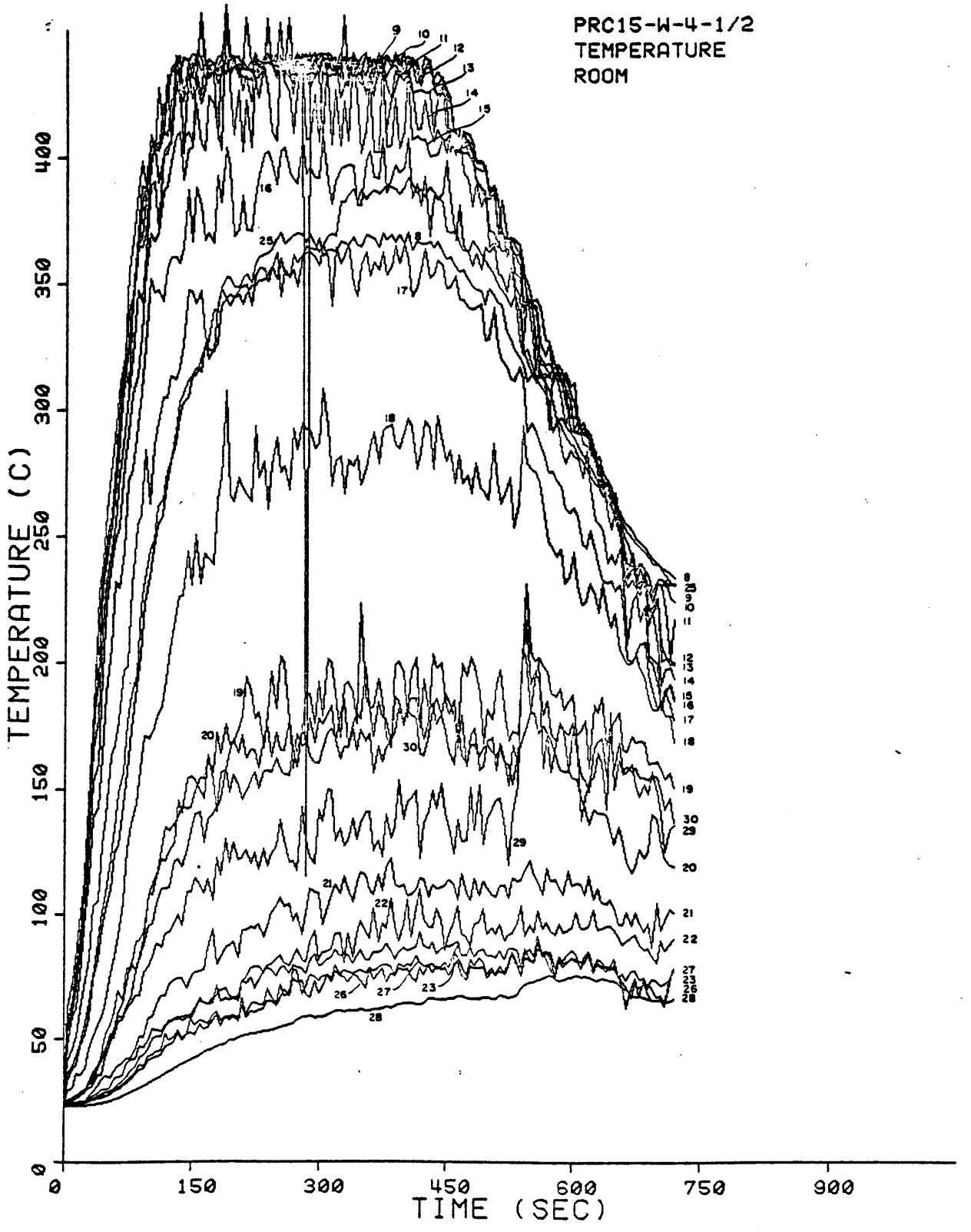
23

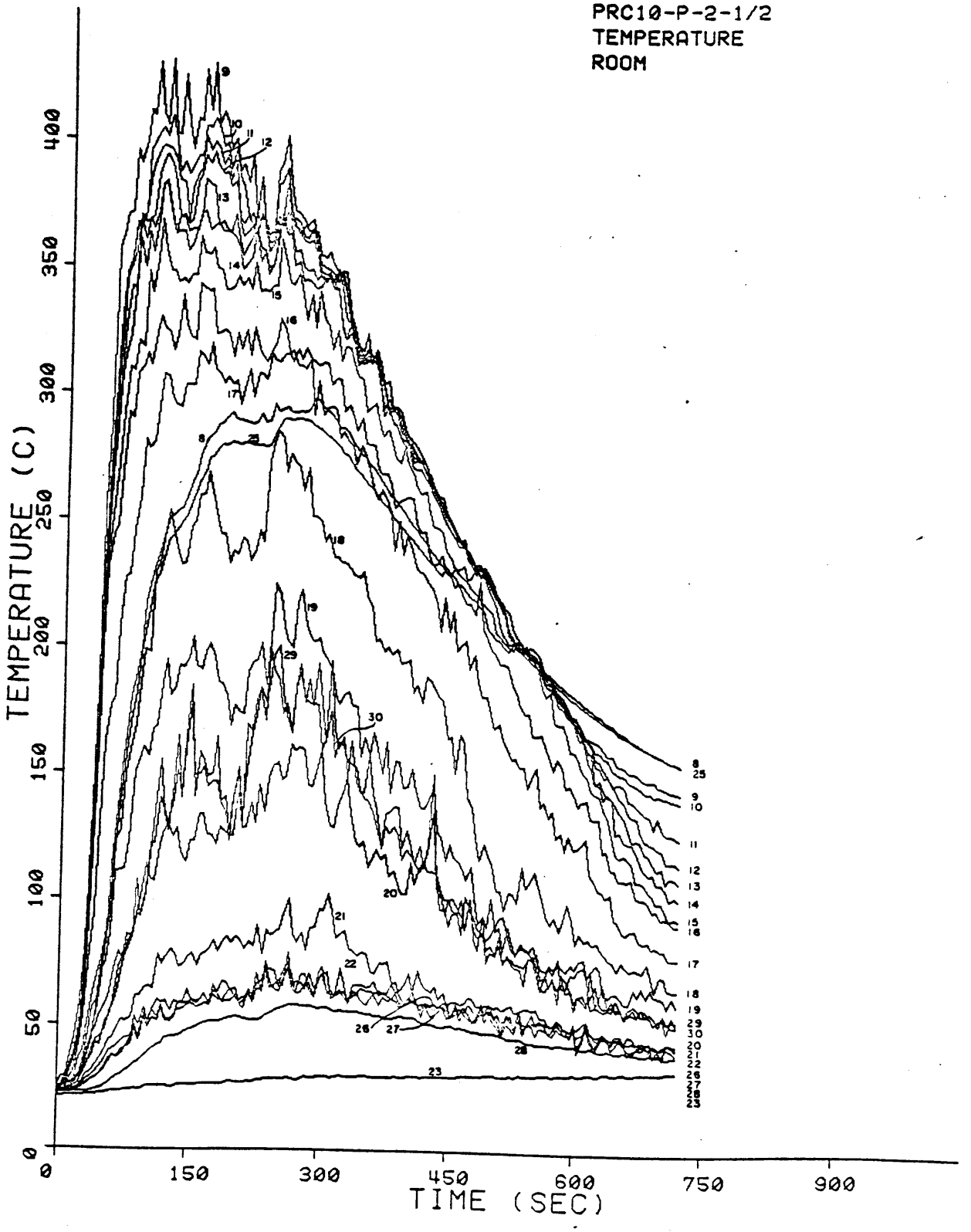

PRC6-P-3-1
TEMPERATURE
ROOM
TEMPERATURE (C)
0
100
200
300
400
500
600
700
800
0
150
300
450
600
750
900
TIME (SEC)
8
9
10
25
11
12
14
15
16
17
18
19
20
21
22
23
25
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23

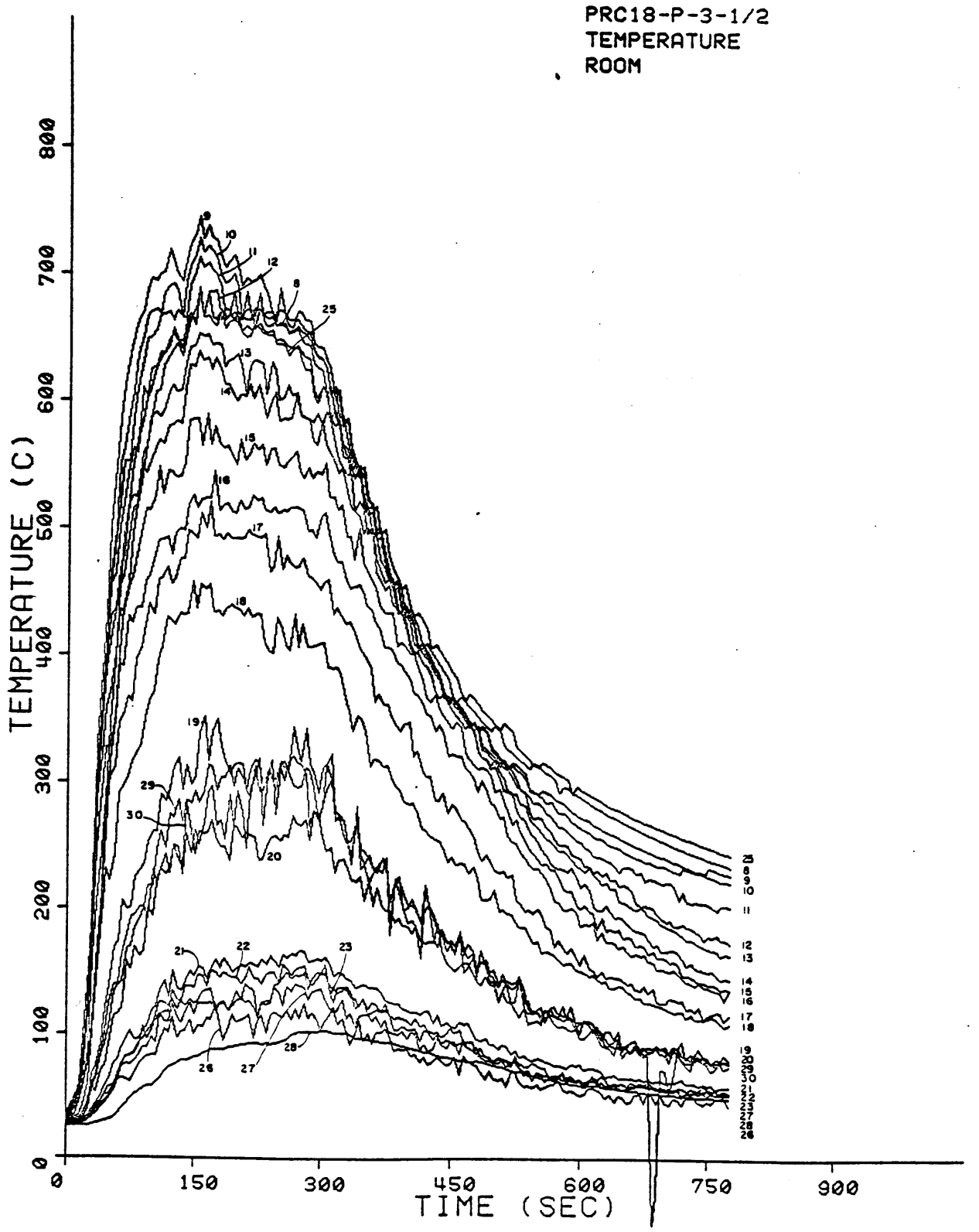

PRC8-P-4-1
TEMPERATURE
ROOM
TEMPERATURE (C)
0
100
200
300
400
500
600
700
800
0
150
300
450
600
750
900
TIME (SEC)
8
25
9
10
11
12
13
14
15
16
17
18
19
20
22
21
23

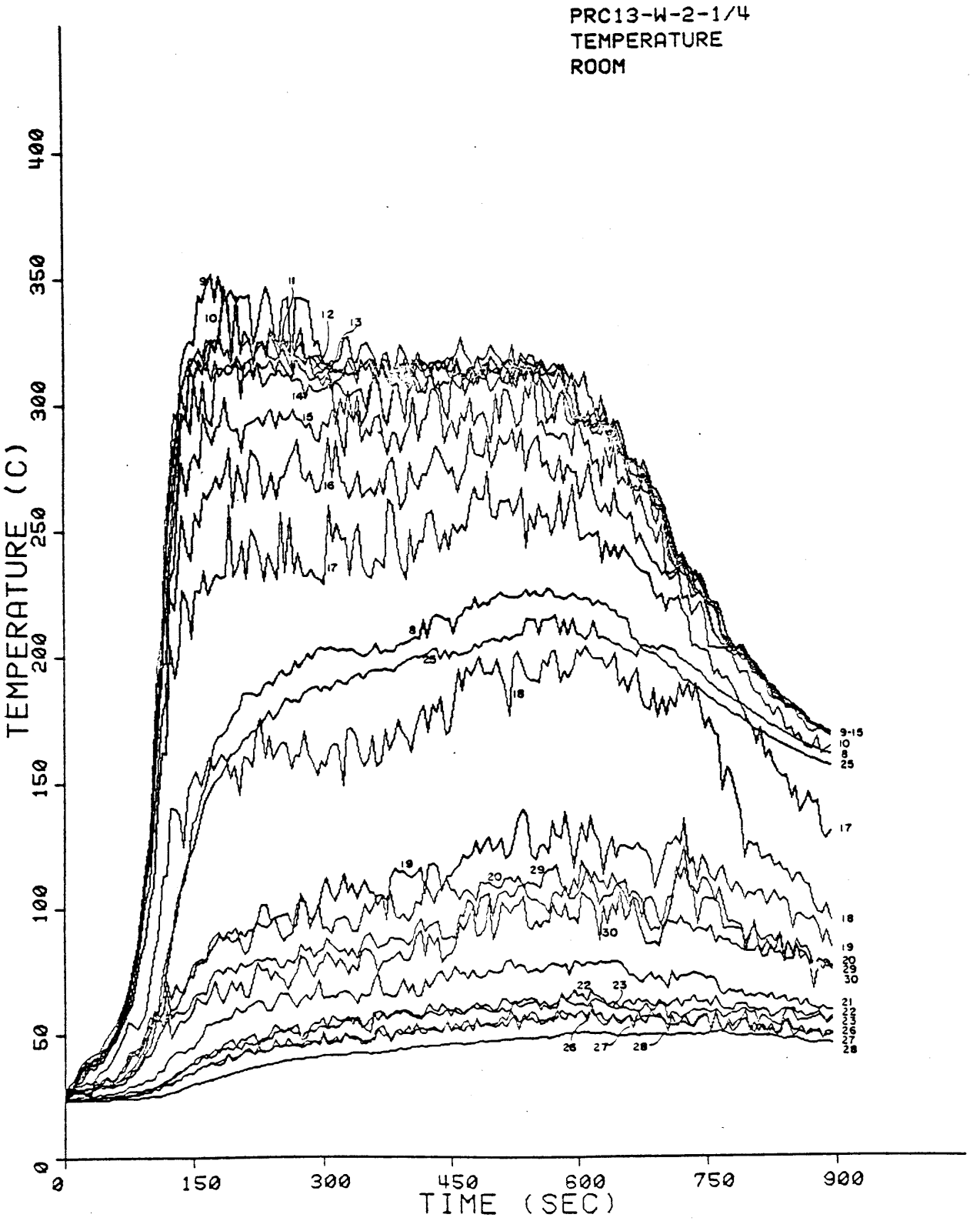

PRC9-W-2-1/2
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900
8
25
9-16
17
18
19
20
29
30
21
22
26
27
28
23

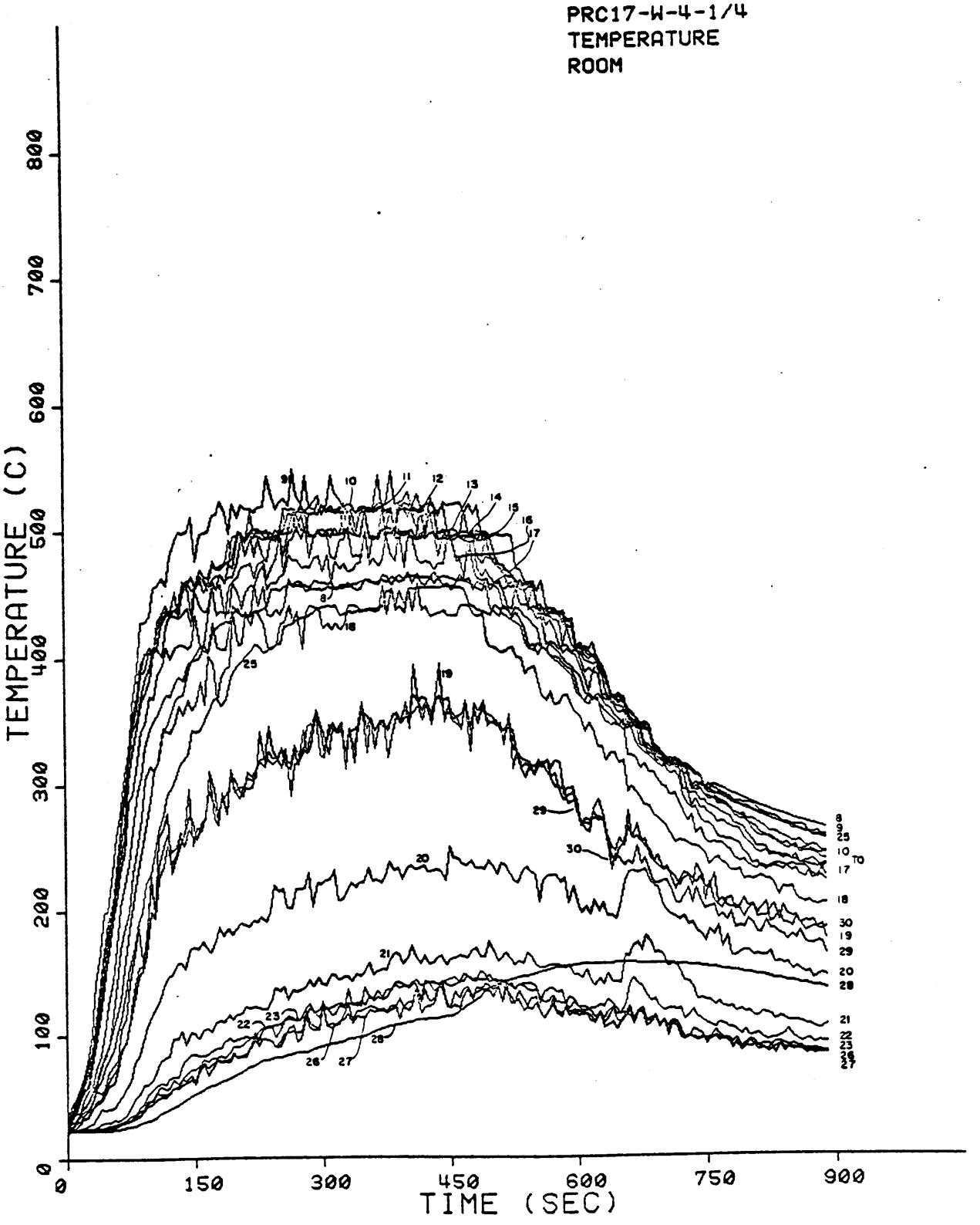

PRC11-W-3-1/2
TEMPERATURE
ROOM
TEMPERATURE (C)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900
TIME (SEC)

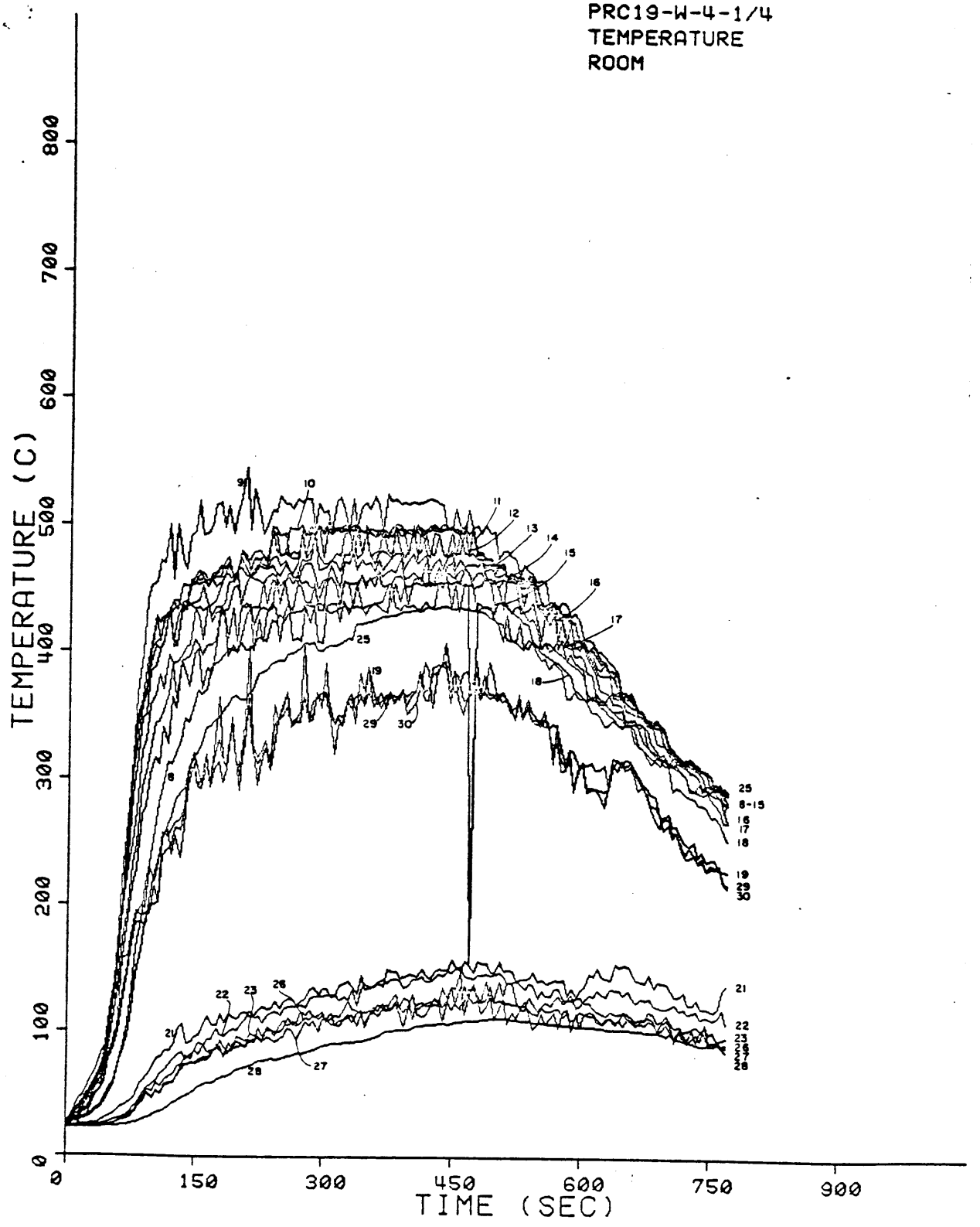

PRC15-W-4-1/2
TEMPERATURE
ROOM
TEMPERATURE (C)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900
TIME (SEC)

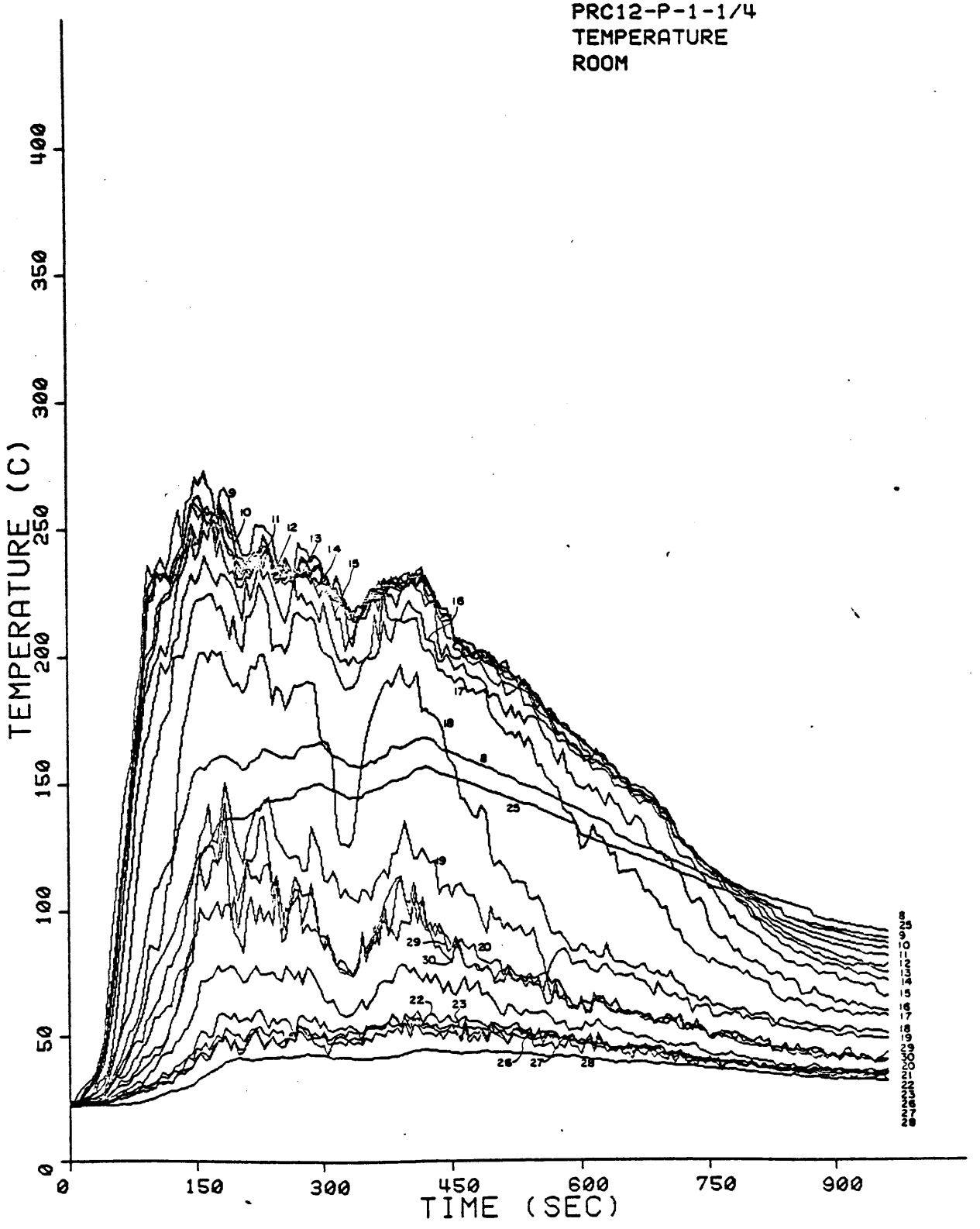

PRC10-P-2-1/2
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900

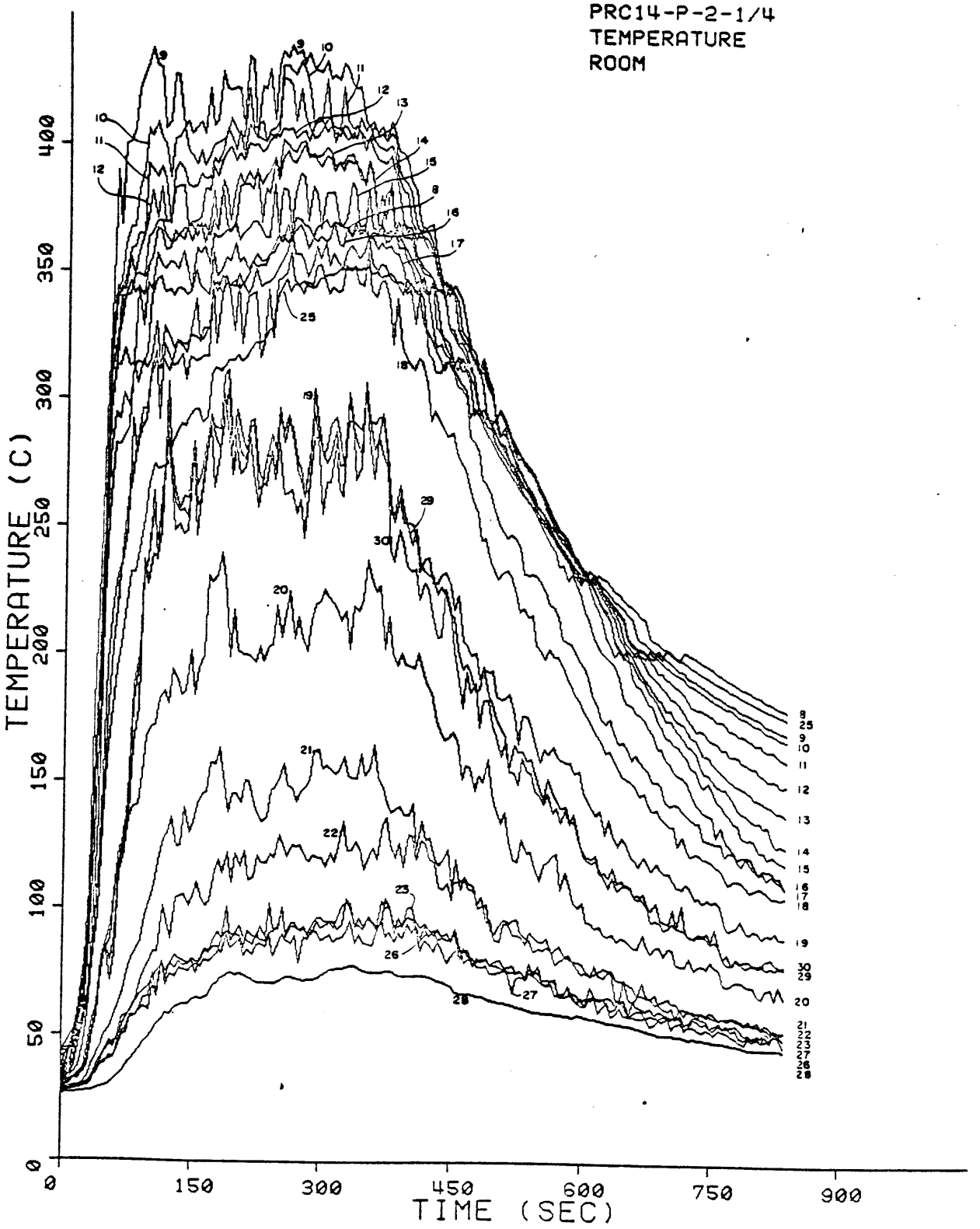

PRC18-P-3-1/2
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
0
100
200
300
400
500
600
700
800
0
150
300
450
600
750
900

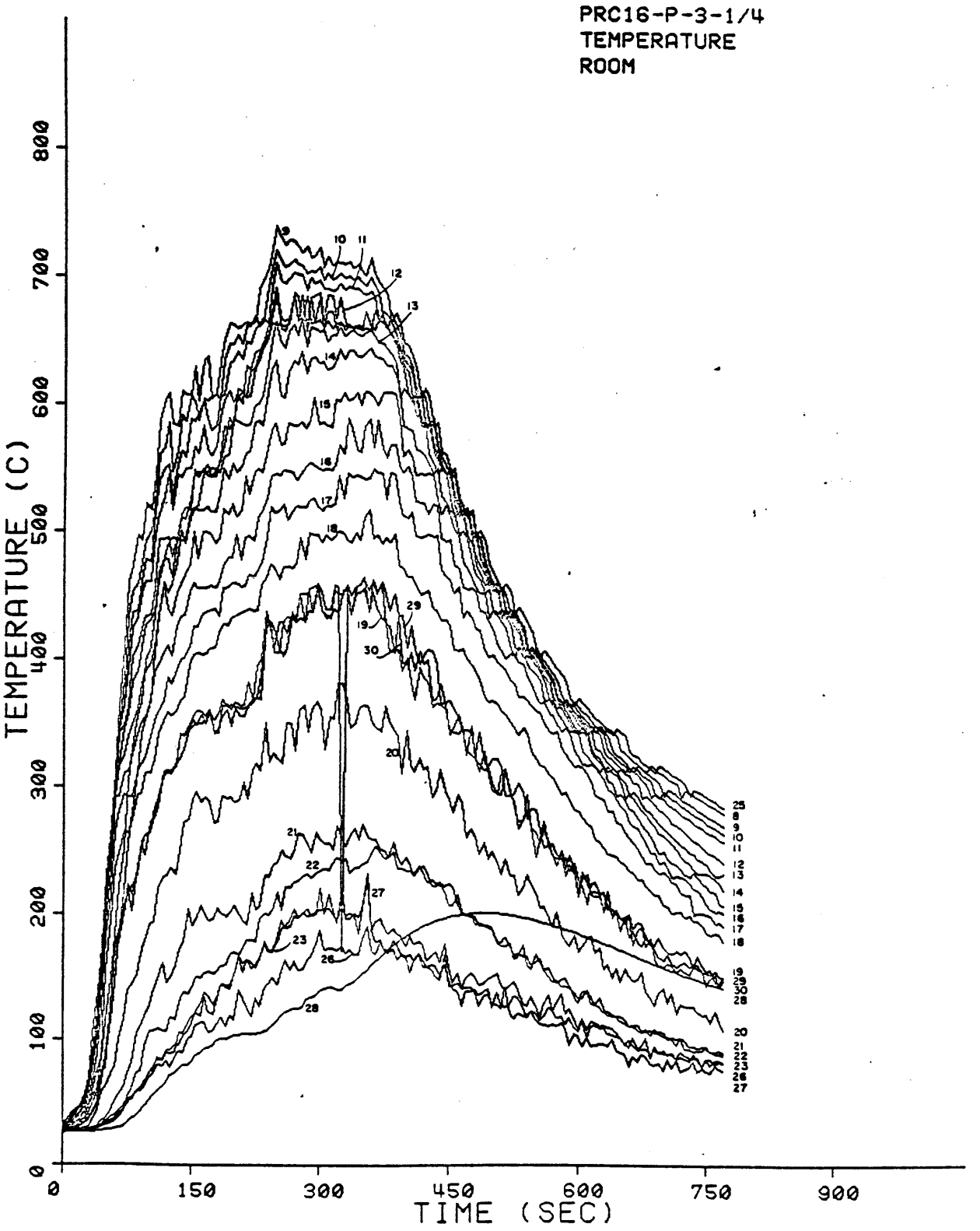

PRC13-W-2-1/4
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900
9-15
10
8
25
17
18
19
20
29
30
21
22
23
26
27
28

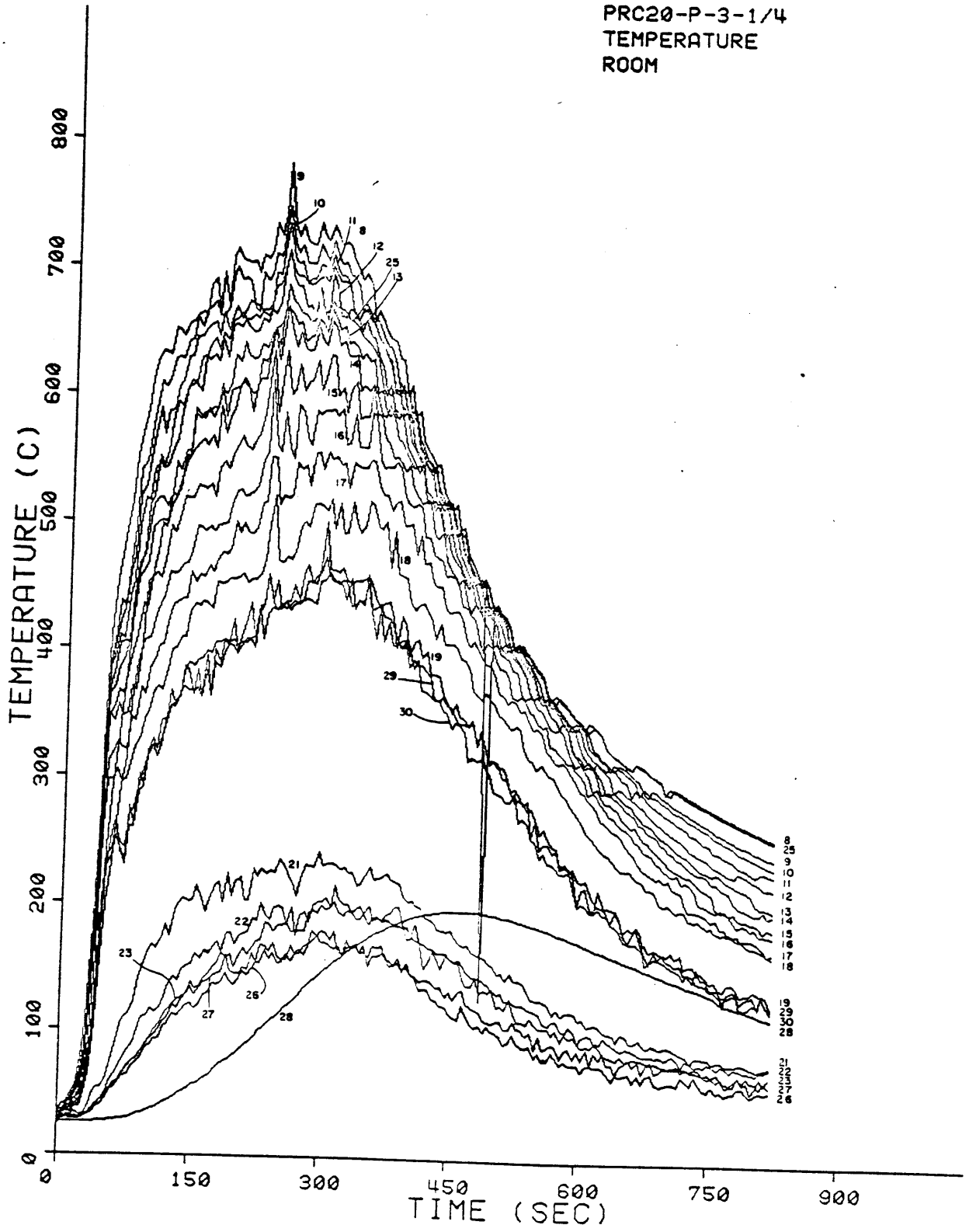

PRC17-W-4-1/4
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
0
100
200
300
400
500
600
700
800
0
150
300
450
600
750
900
TO


PRC19-W-4-1/4
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
0
100
200
300
400
500
600
700
800
150
300
450
600
750
900


PRC12-P-1-1/4
TEMPERATURE
ROOM
TEMPERATURE (C)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900
TIME (SEC)

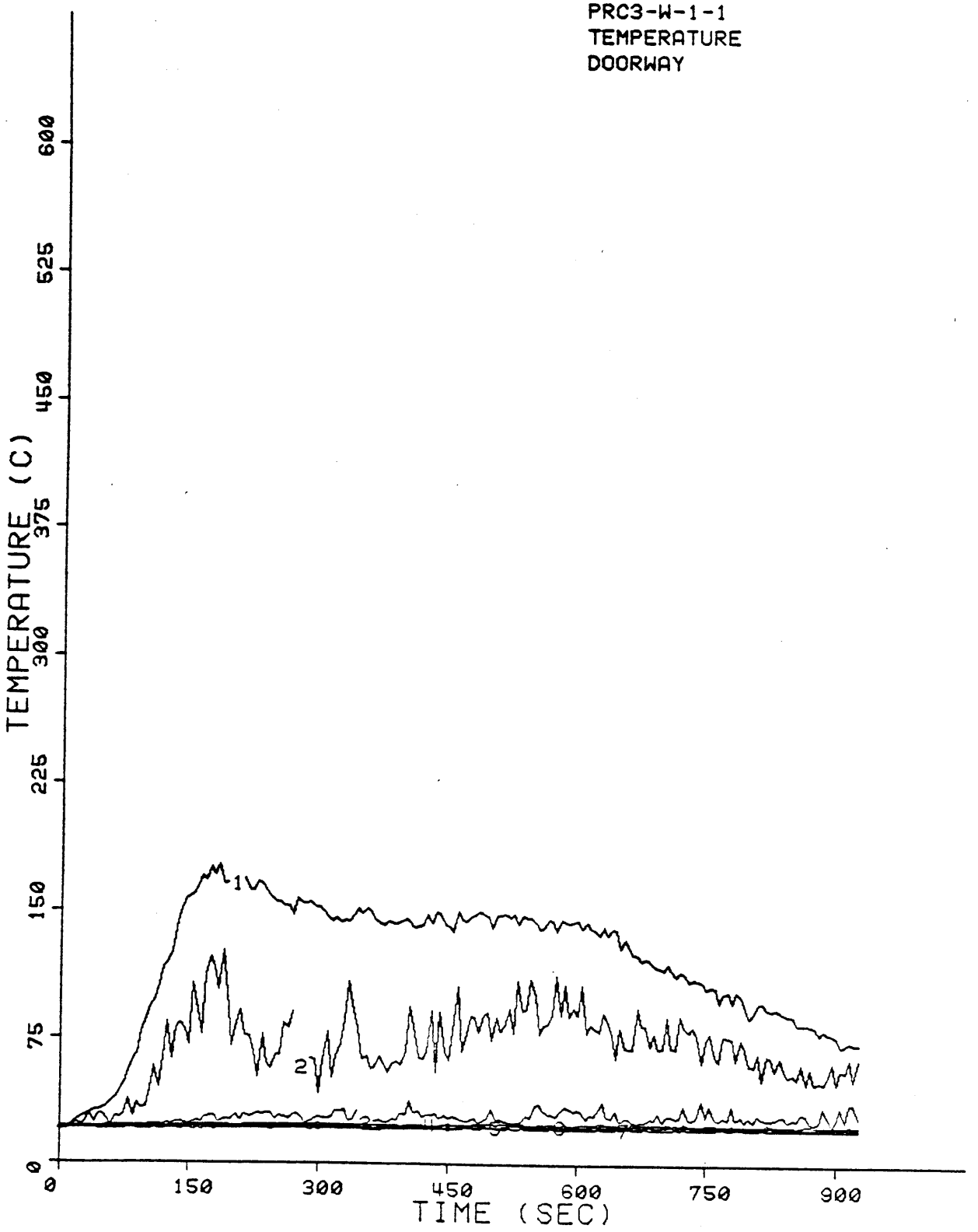

PRC14-P-2-1/4
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
0
50
100
150
200
250
300
350
400
0
150
300
450
600
750
900

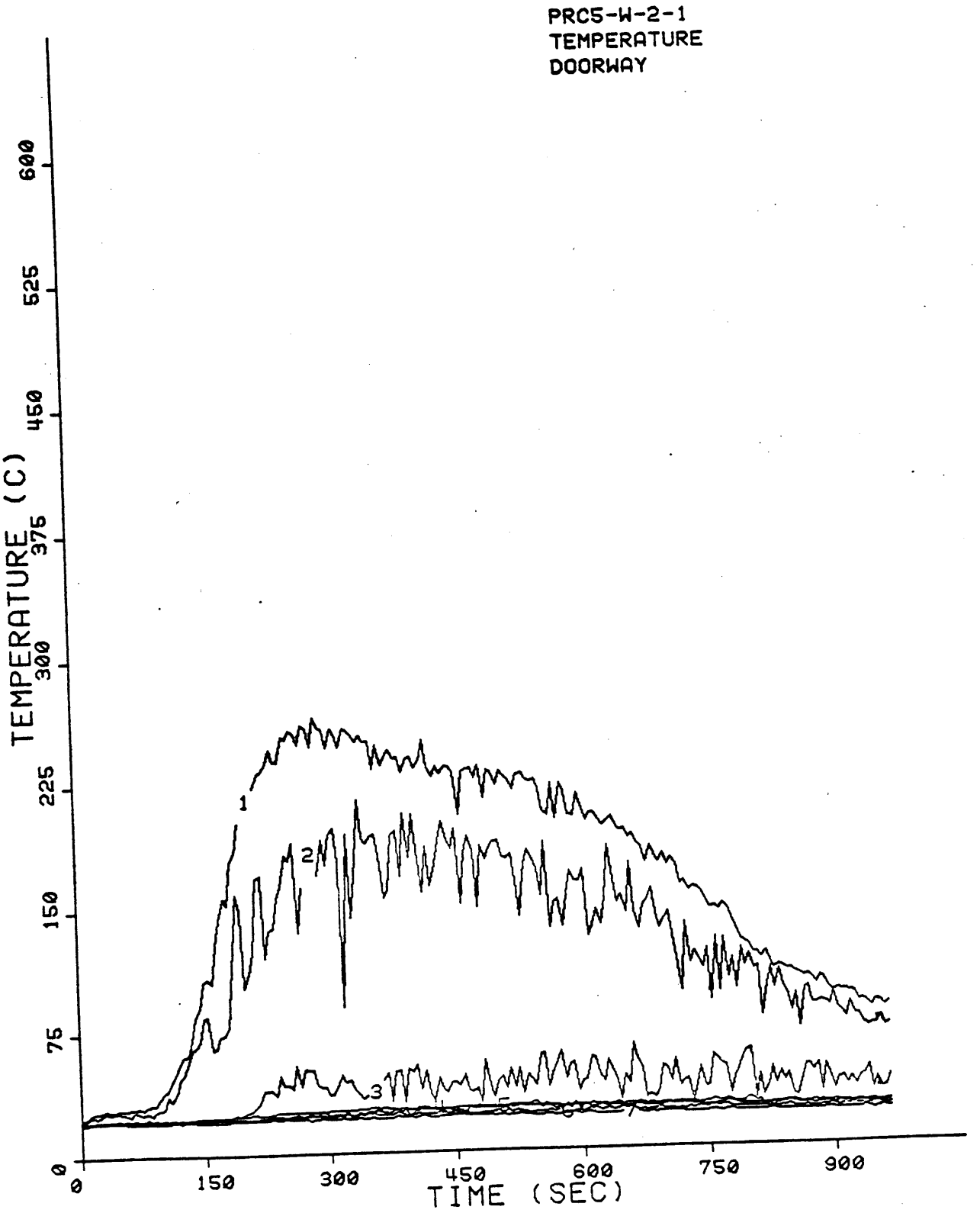

PRC16-P-3-1/4
TEMPERATURE
ROOM
TEMPERATURE (C)
0
100
200
300
400
500
600
700
800
0
150
300
450
600
750
900
TIME (SEC)

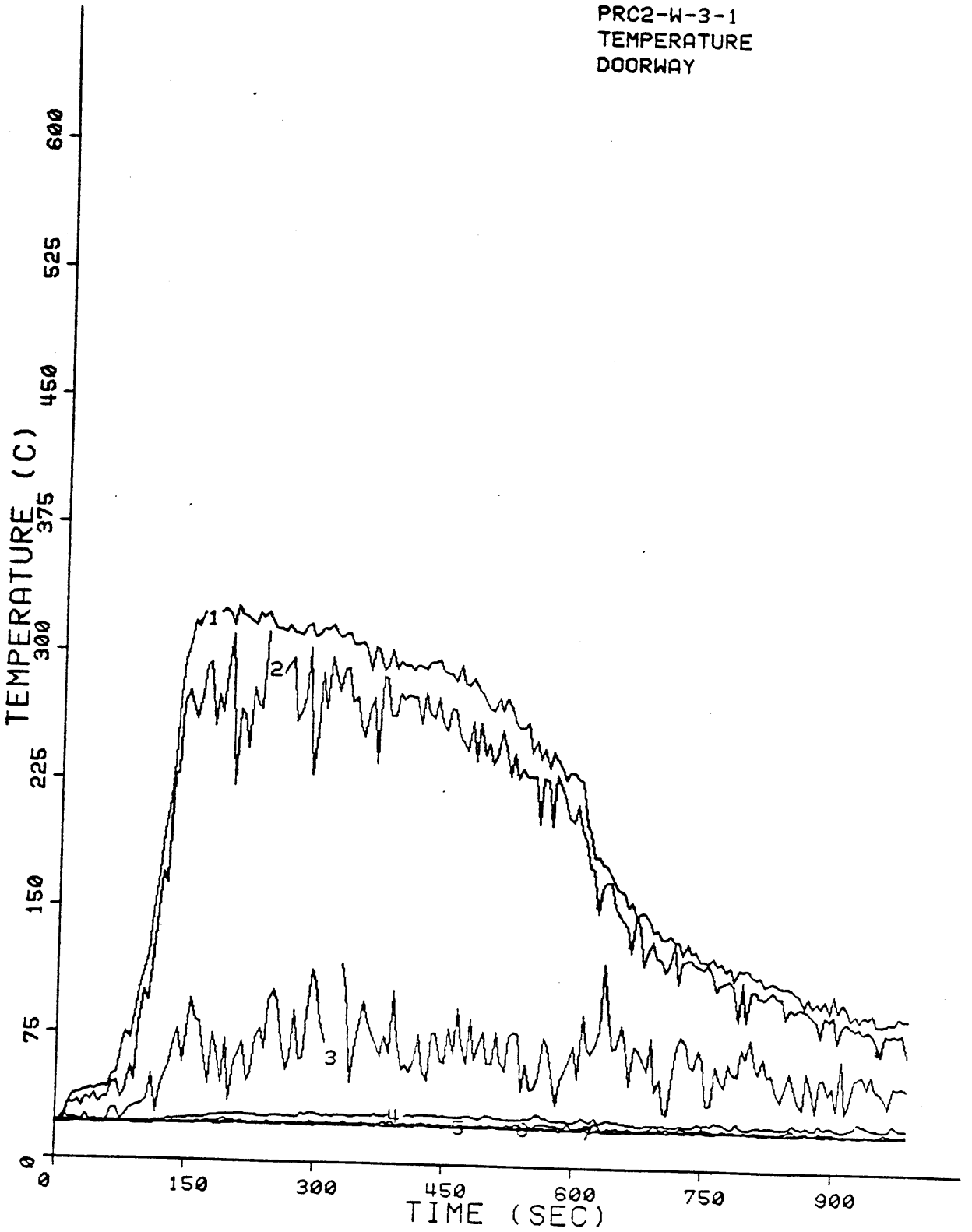

PRC20-P-3-1/4
TEMPERATURE
ROOM
TEMPERATURE (C)
TIME (SEC)
0
100
200
300
400
500
600
700
800
0
150
300
450
600
750
900

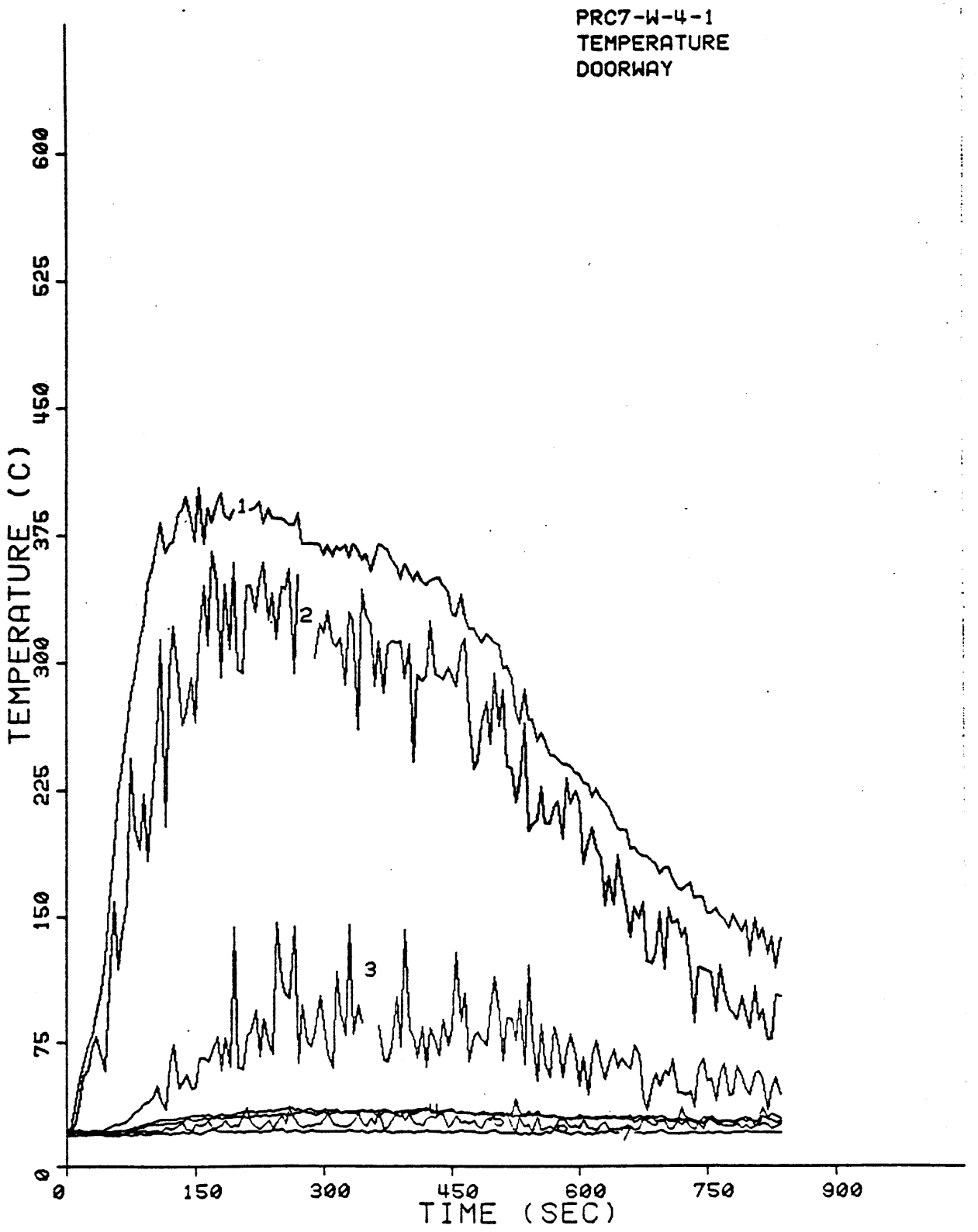
3. DOORWAY TEMPERATURES

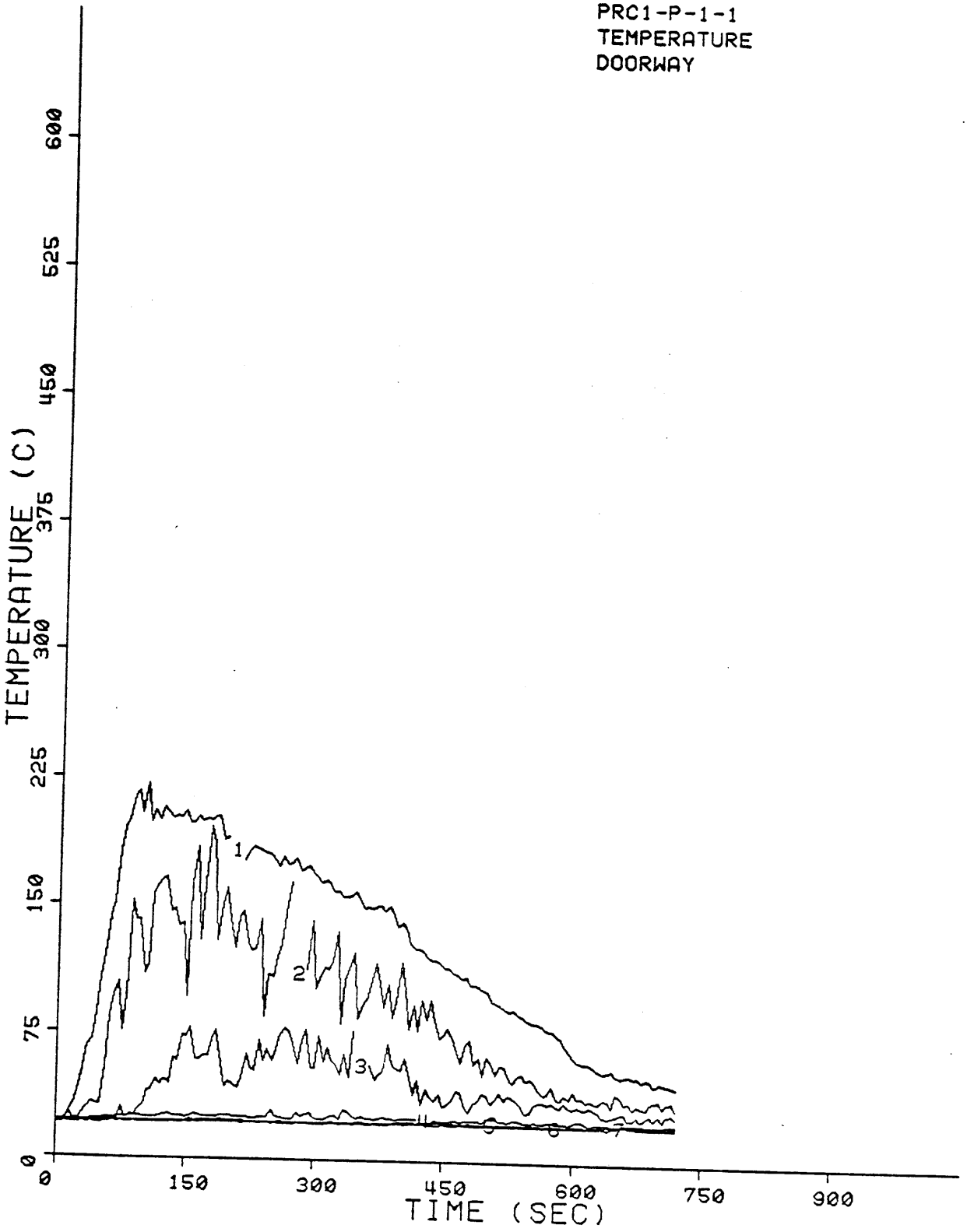
Doorway temperatures measured as described in volume 1 [1]. Section 2.3.1 is shown as a function of time in figures 3-1 to 3-20. The curves are labeled according to thermocouple number.

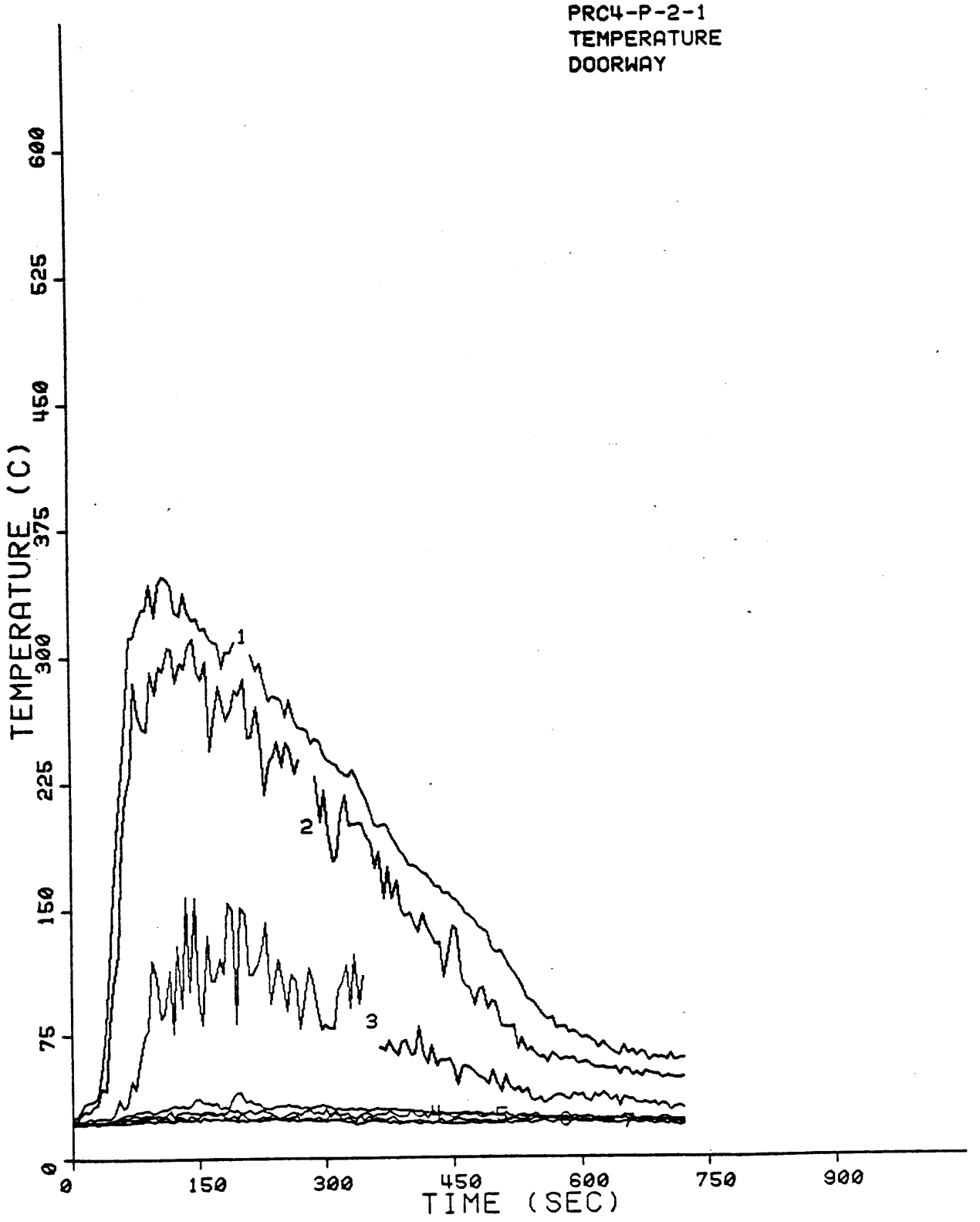

PRC3-W-1-1
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2

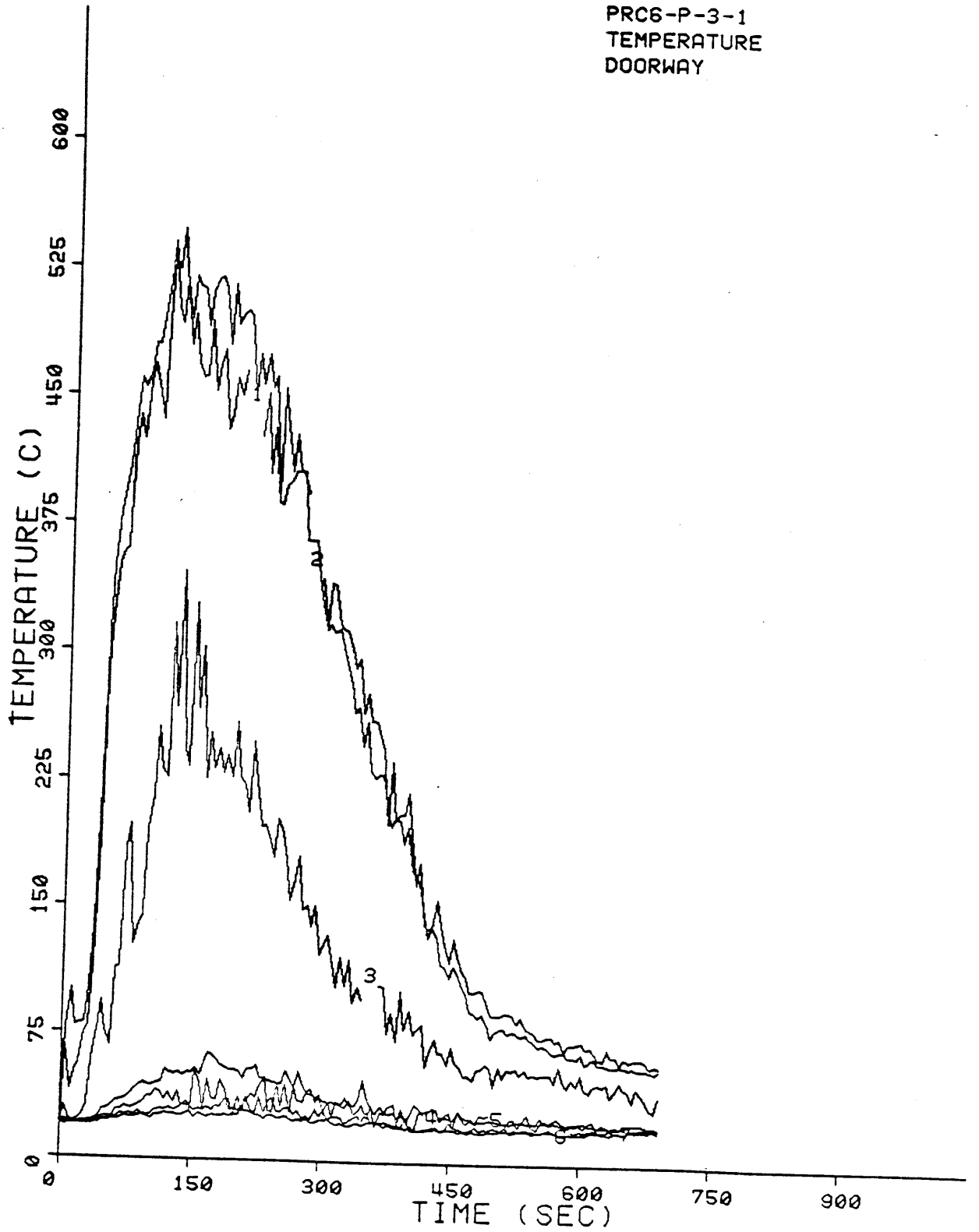

PRC5-W-2-1
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
TIME (SEC)
0
150
300
450
600
750
900
1
2
3

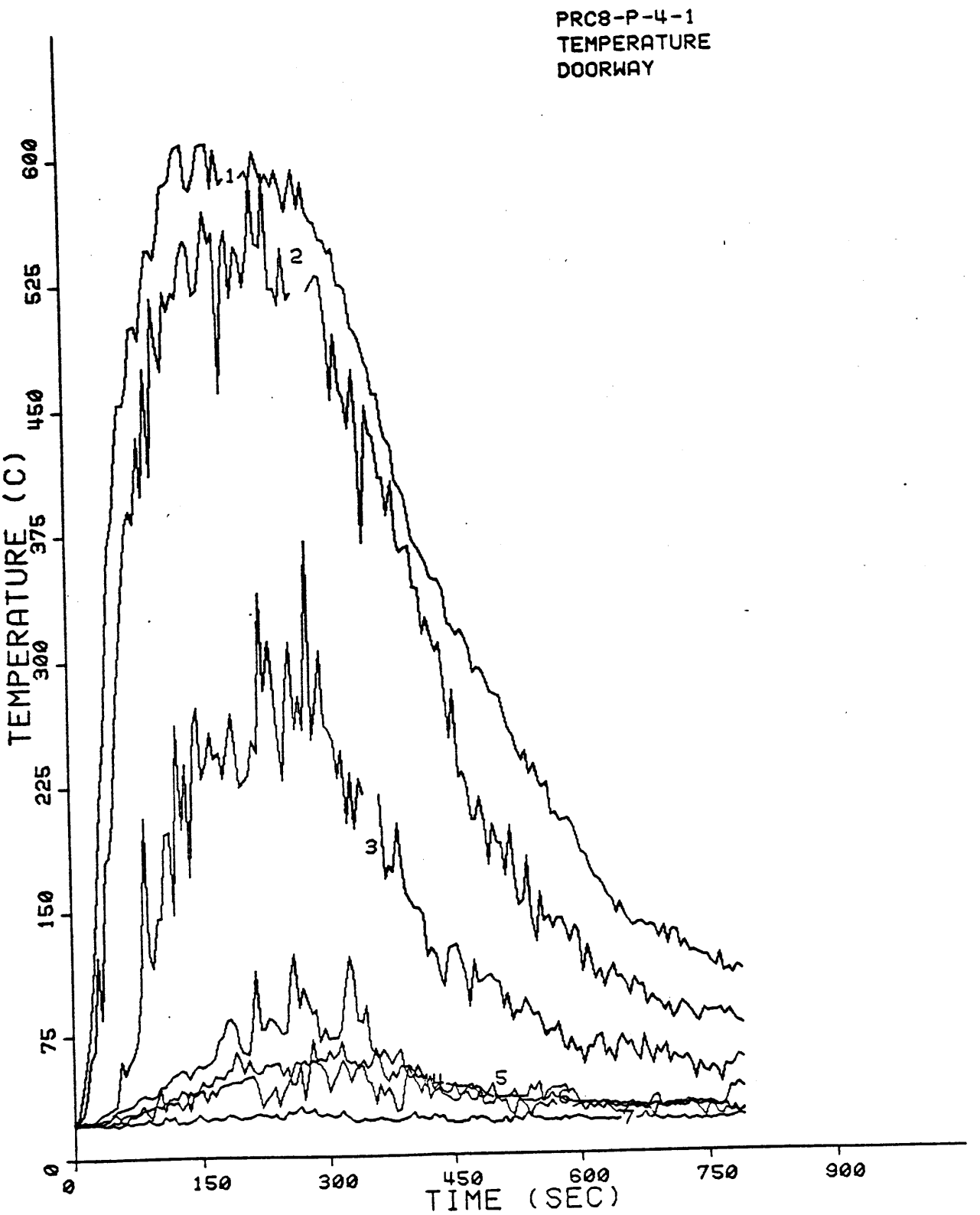

PRC2-W-3-1
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
4
5

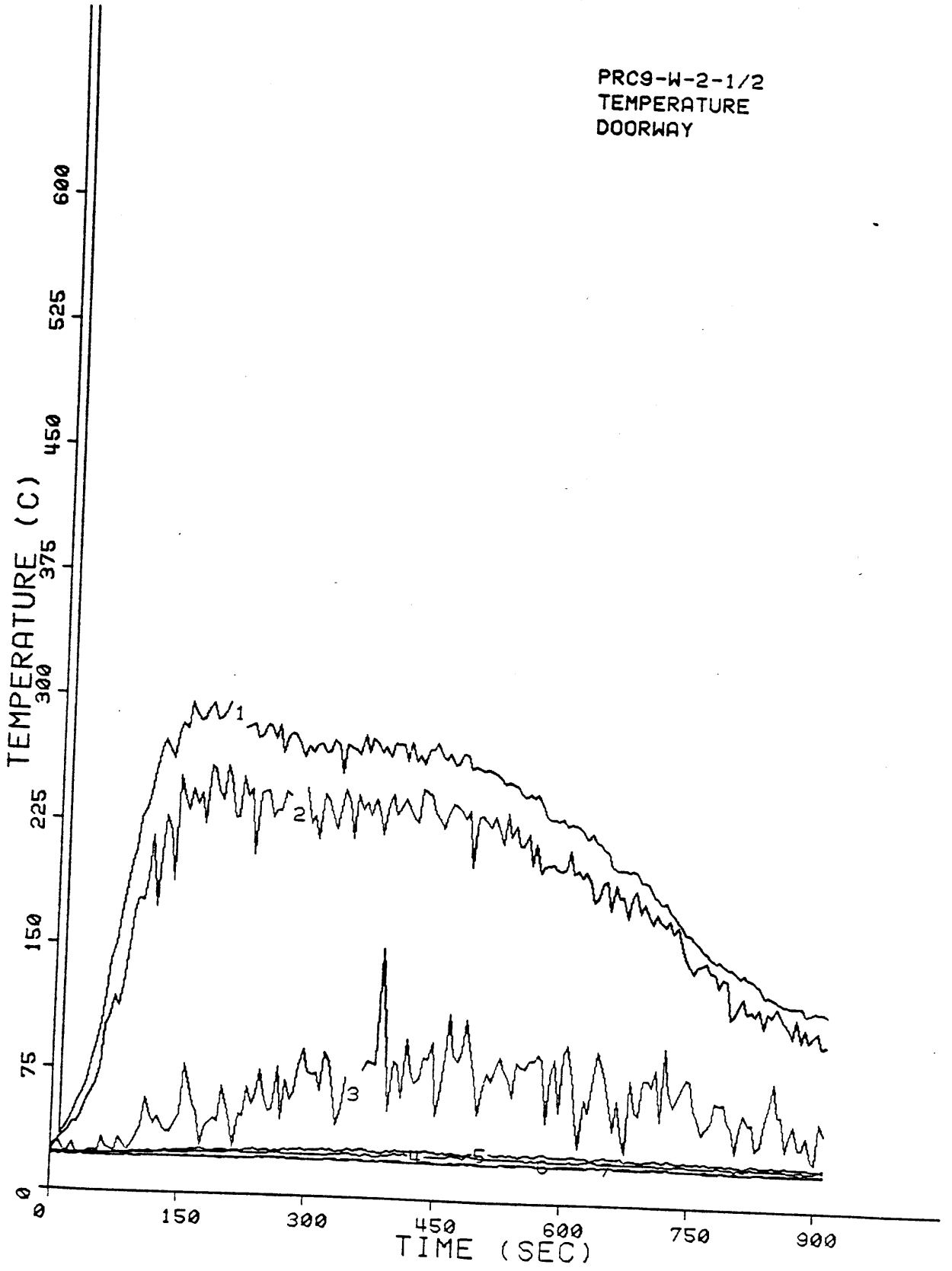

PRC7-W-4-1
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3

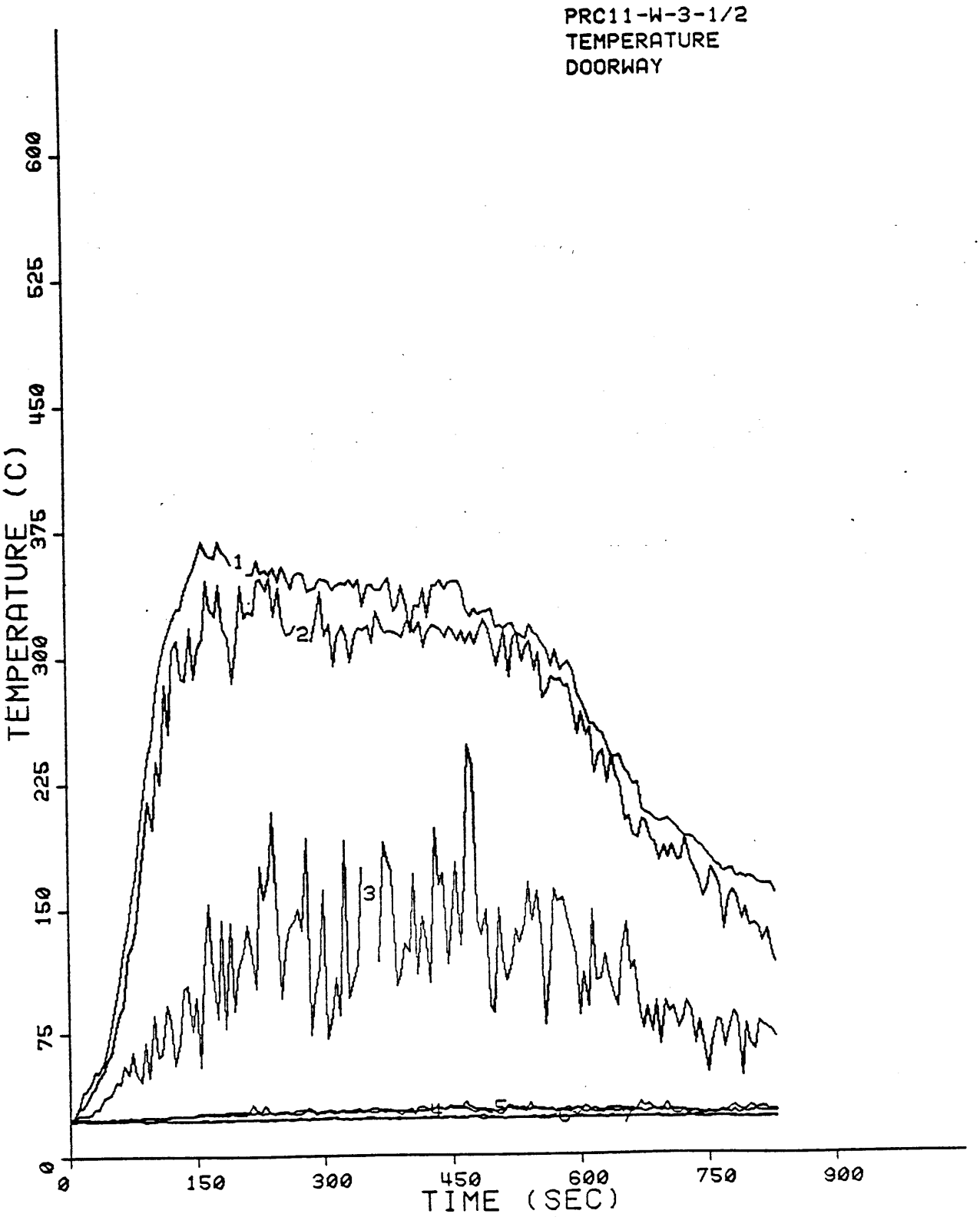

PRC1-P-1-1
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3

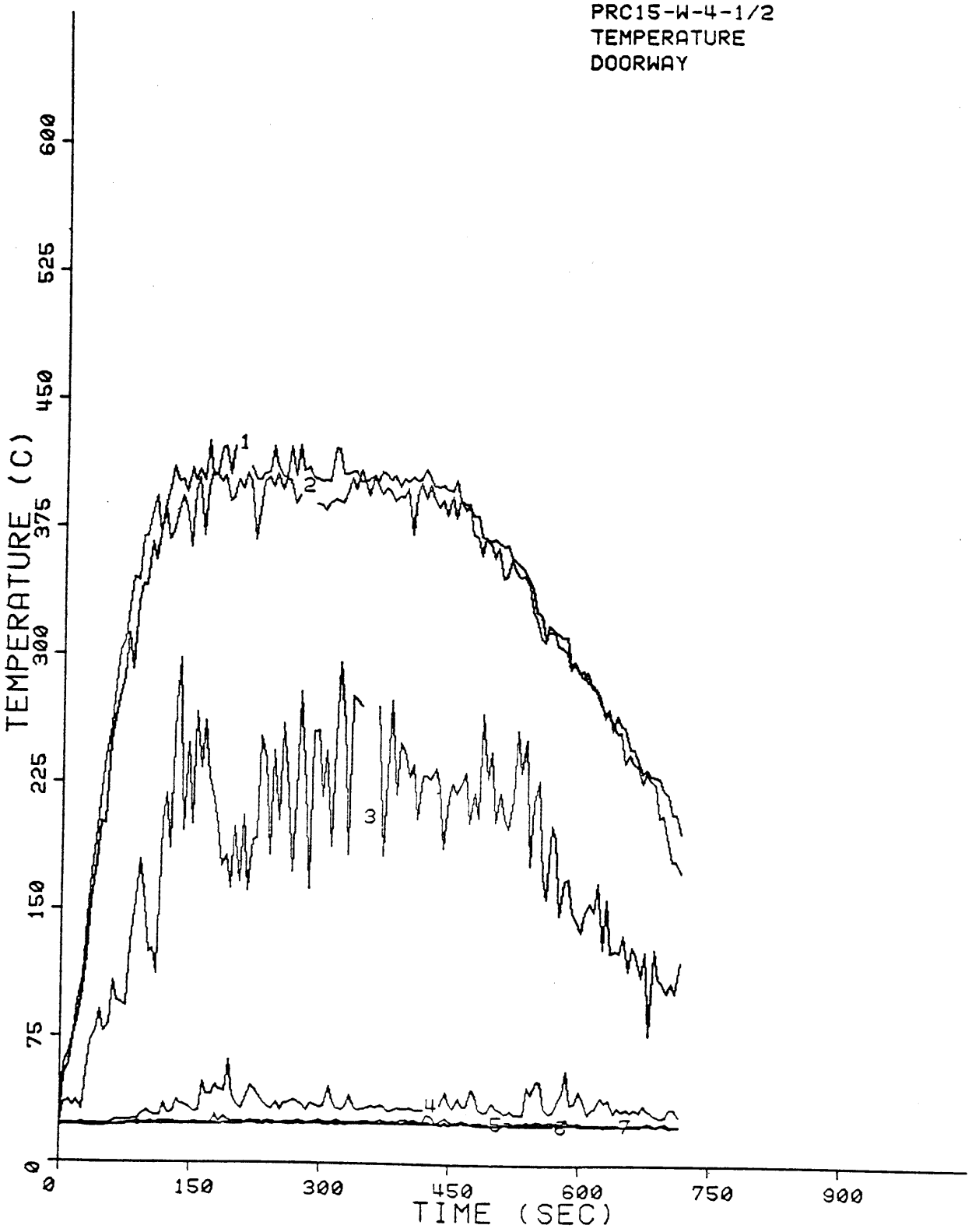

PRC4-P-2-1
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3

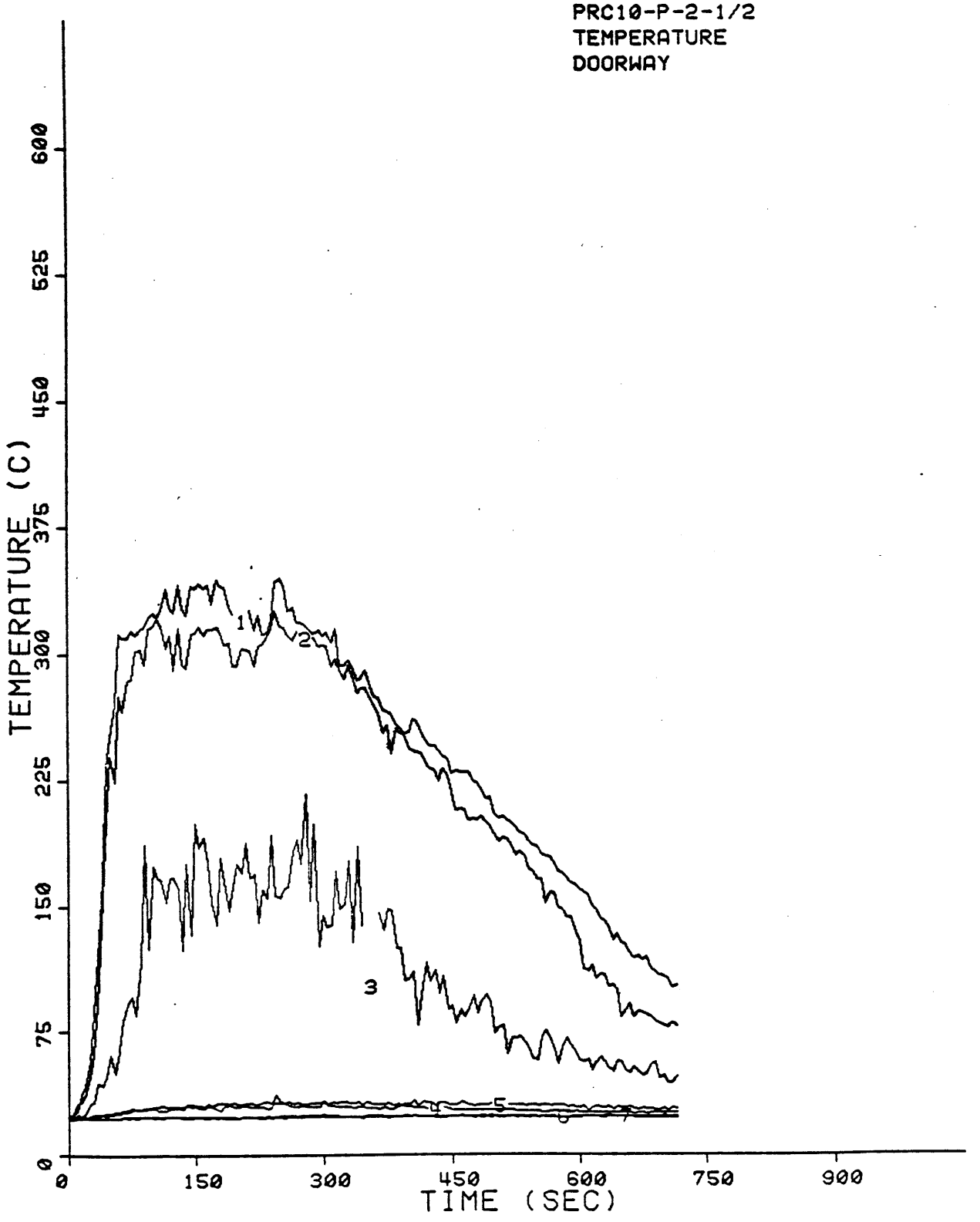

PRC6-P-3-1
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
4
5

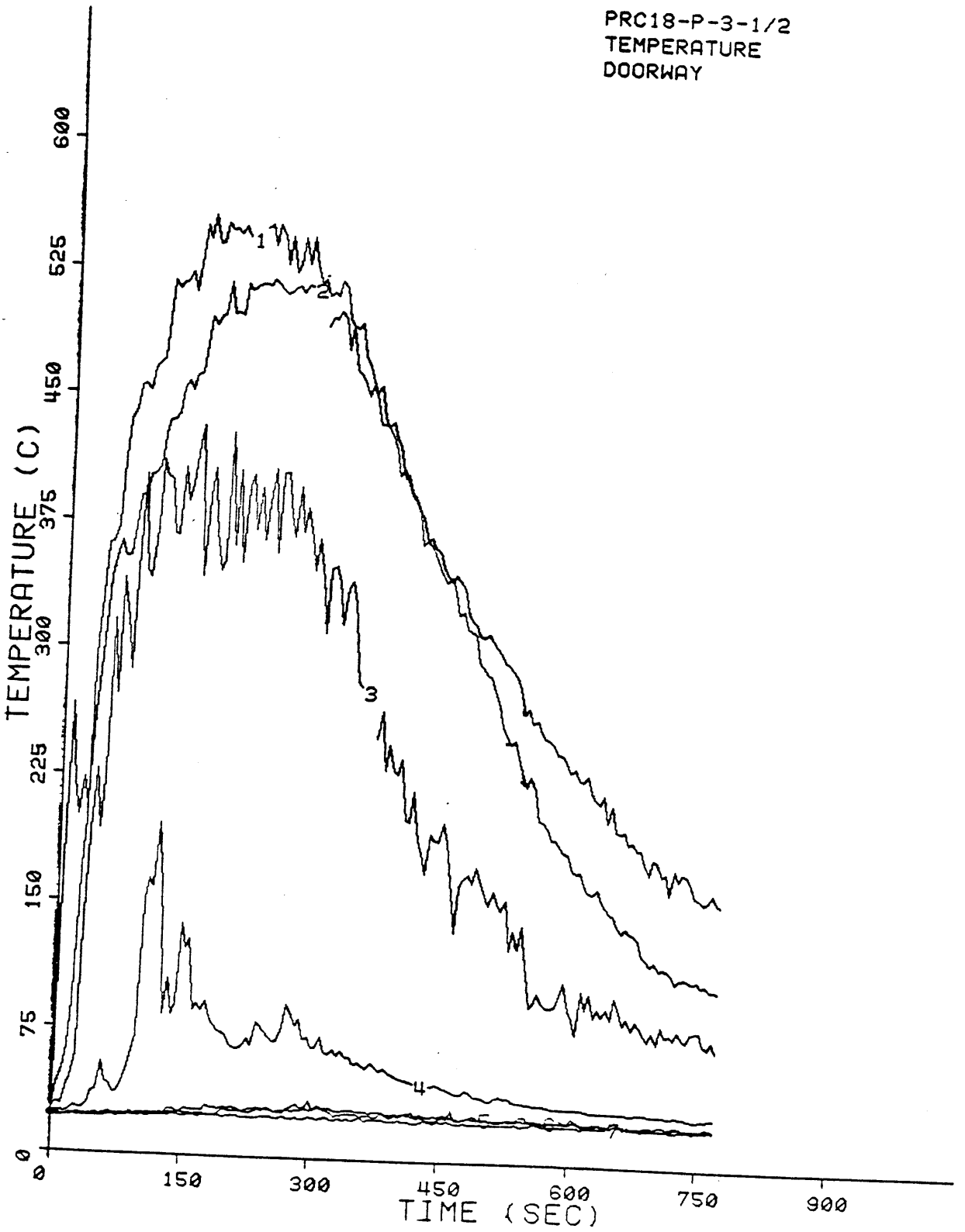

PRC8-P-4-1
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
TIME (SEC)
0
150
300
450
600
750
900
1
2
3
5
6
7

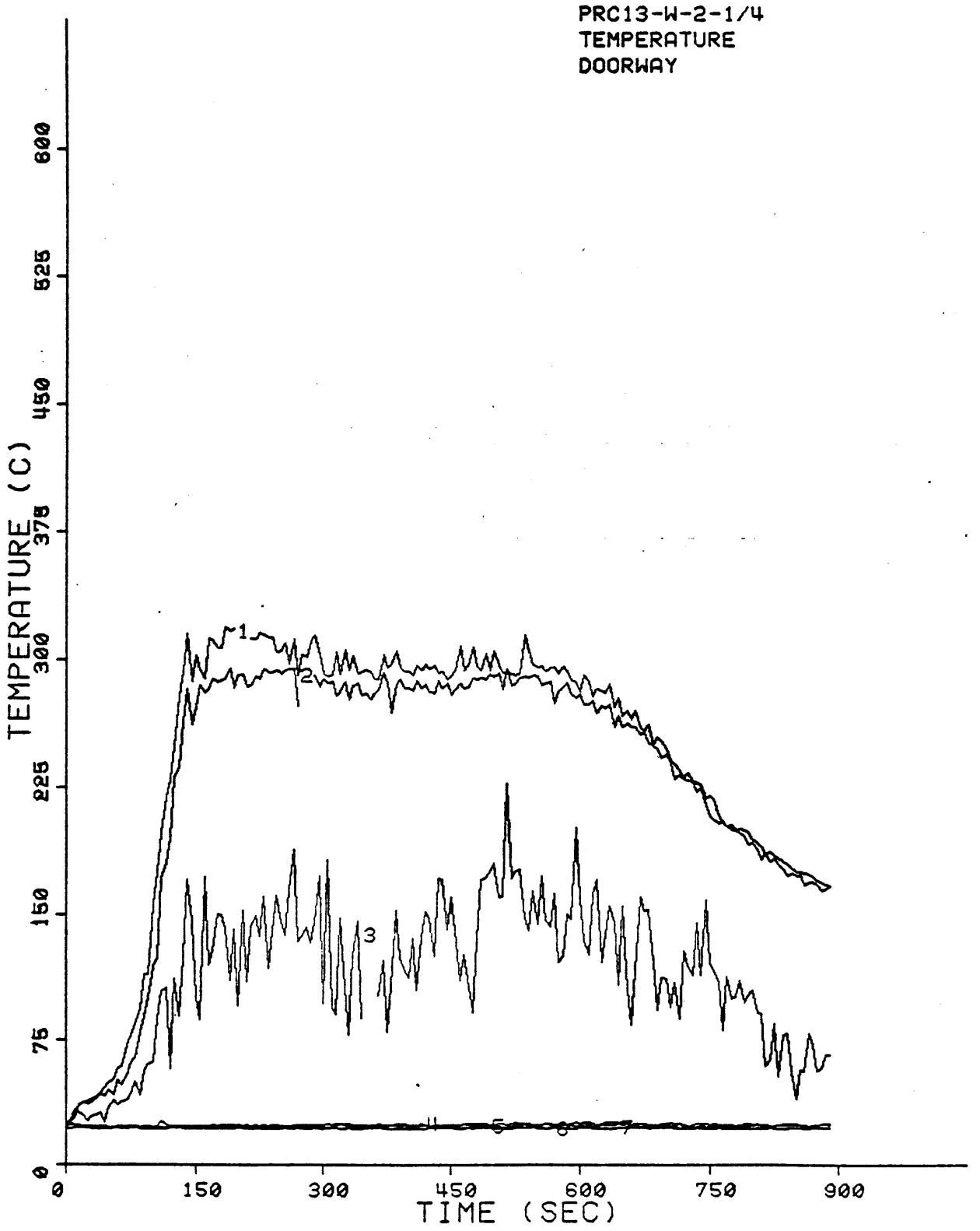

PRC9-W-2-1/2
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
4
5
6
7

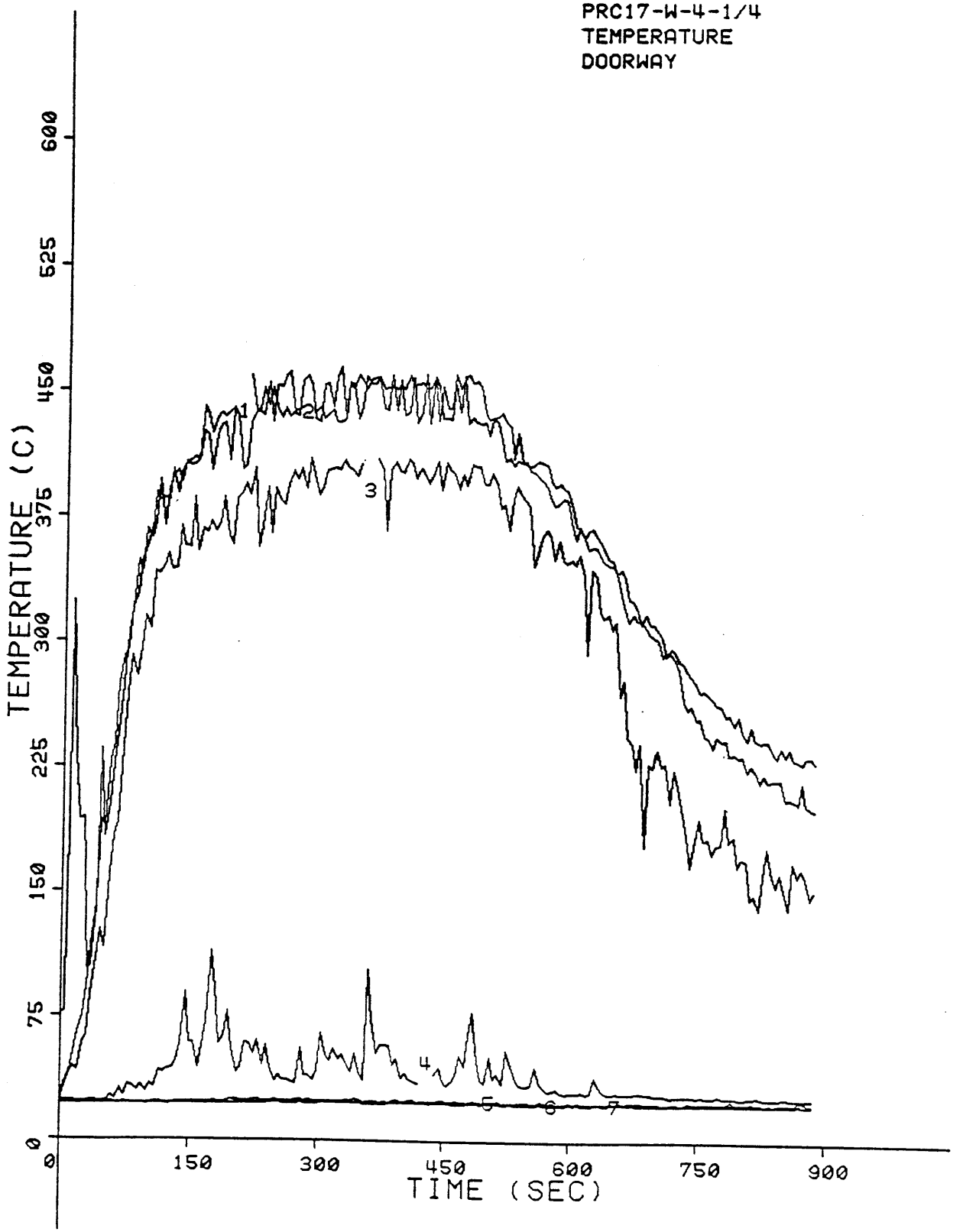

PRC11-W-3-1/2
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
4
5

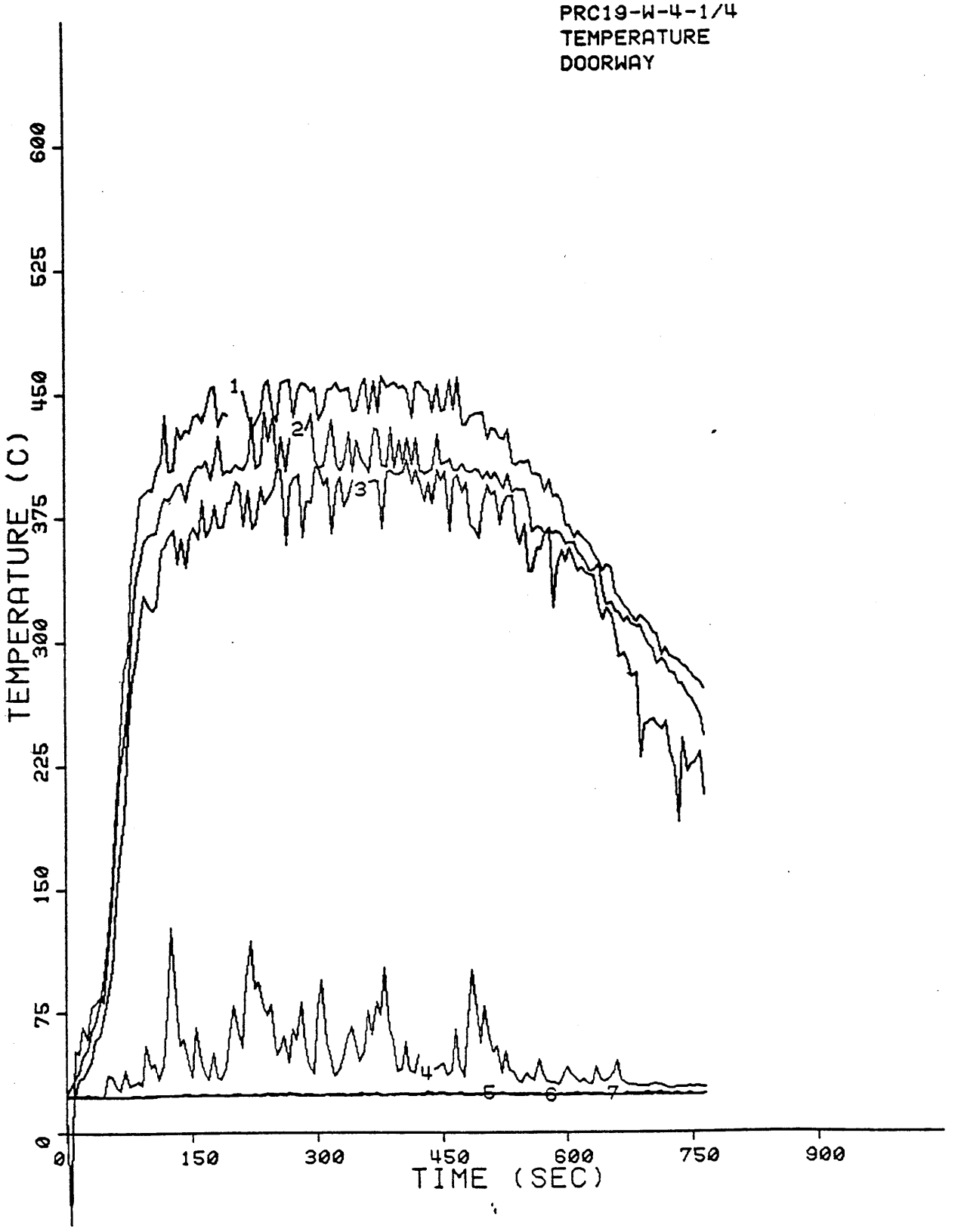

PRC15-W-4-1/2
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
4
5
6
7


PRC10-P-2-1/2
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
5

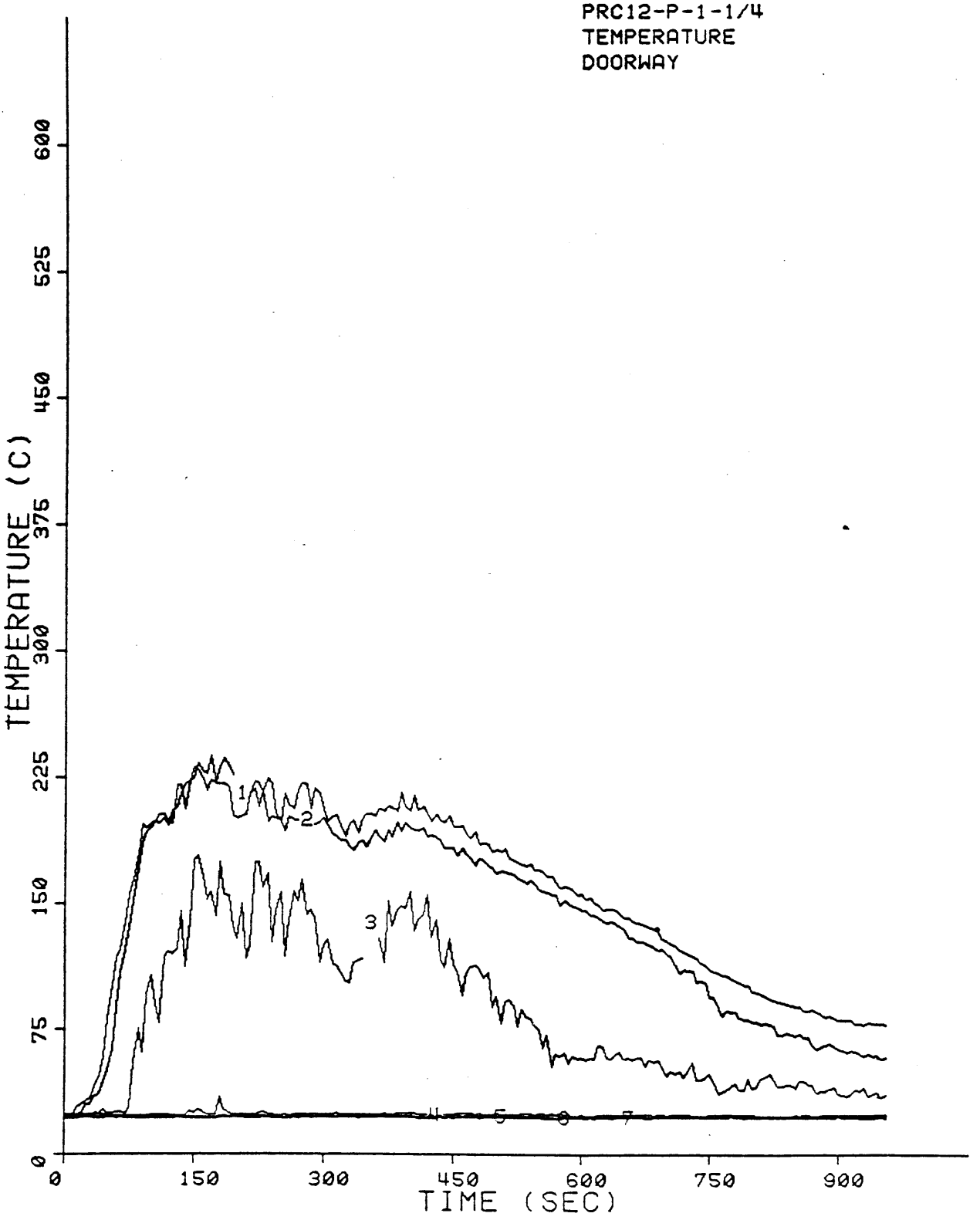

PRC18-P-3-1/2
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
4

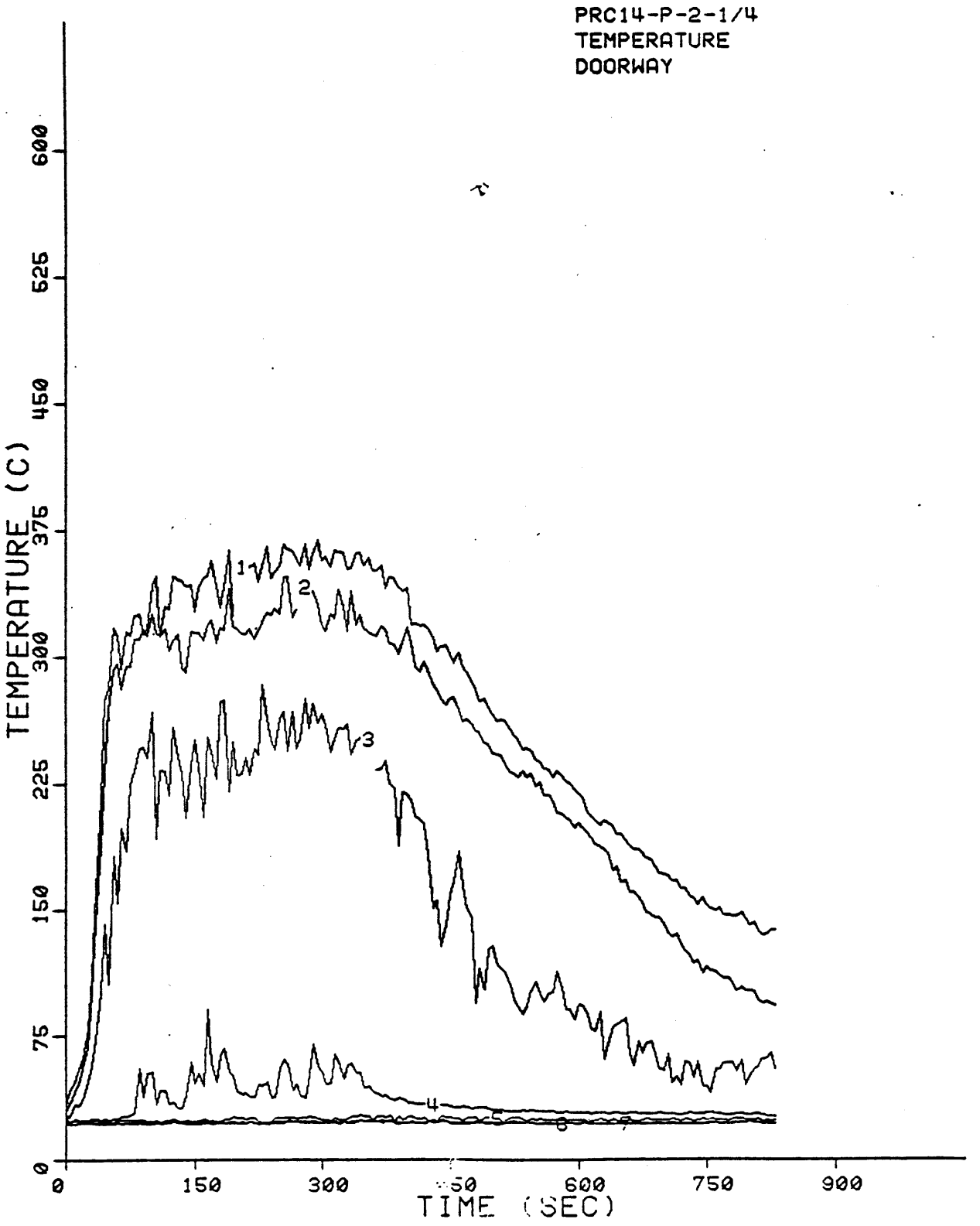

PRC13-W-2-1/4
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
TIME (SEC)
0
150
300
450
600
750
900
1
2
3

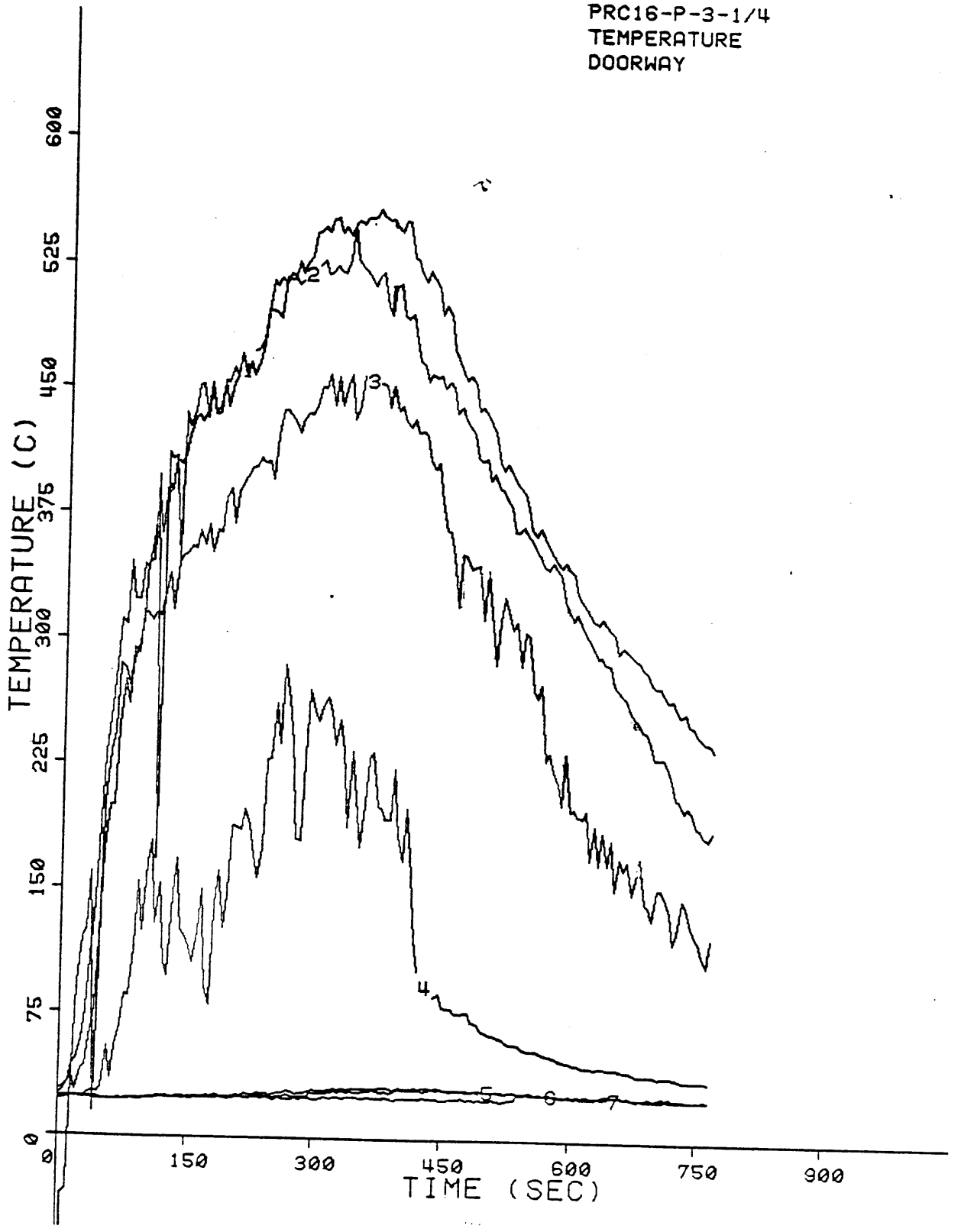

PRC17-W-4-1/4
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
4
5
6
7

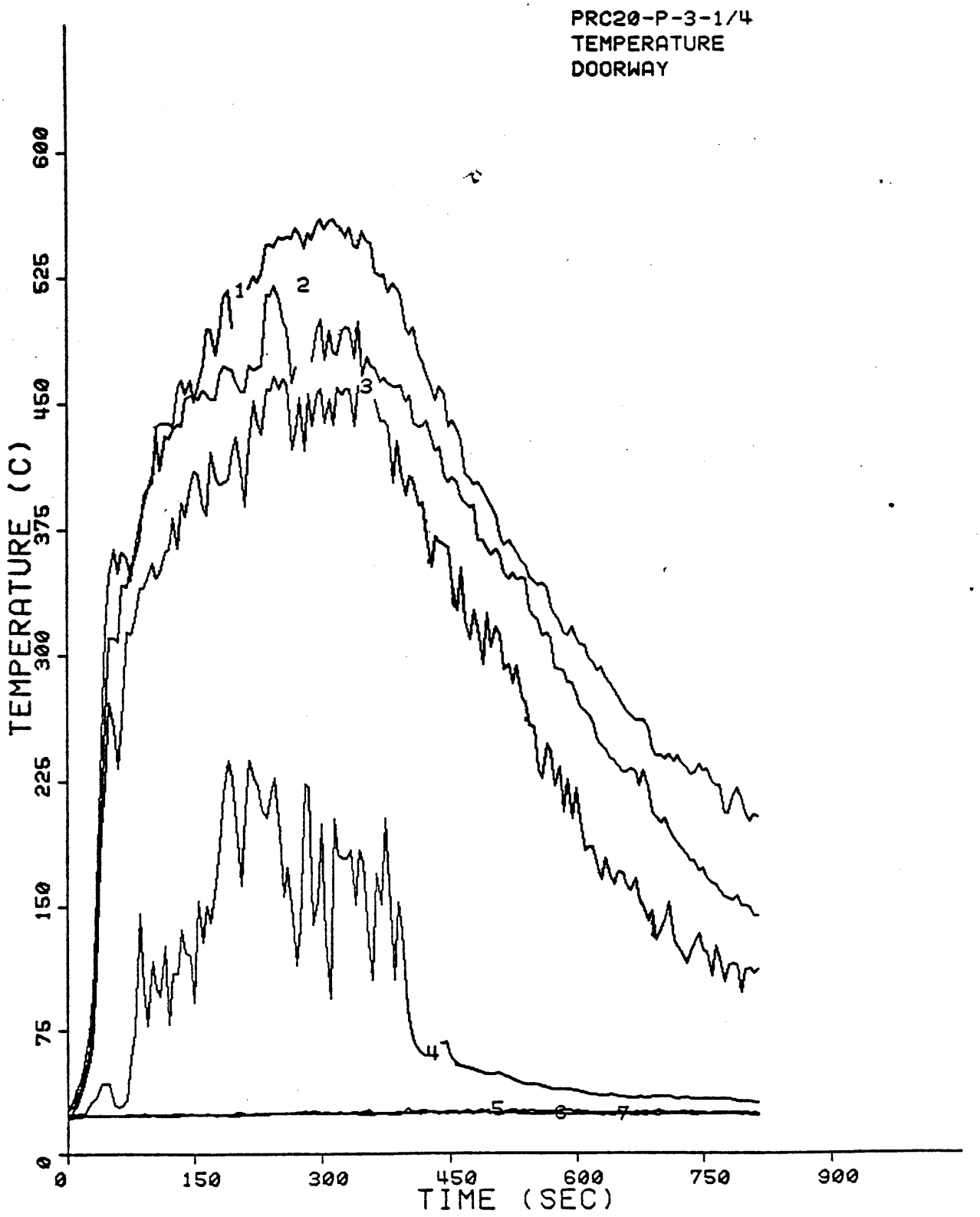

PRC19-W-4-1/4
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
TIME (SEC)
0
150
300
450
600
750
900
1
2
3
4
5
6
7

PRC12-P-1-1/4
TEMPERATURE
DOORWAY




PRC14-P-2-1/4
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
4
5
6


PRC16-P-3-1/4
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
4
5
6
7

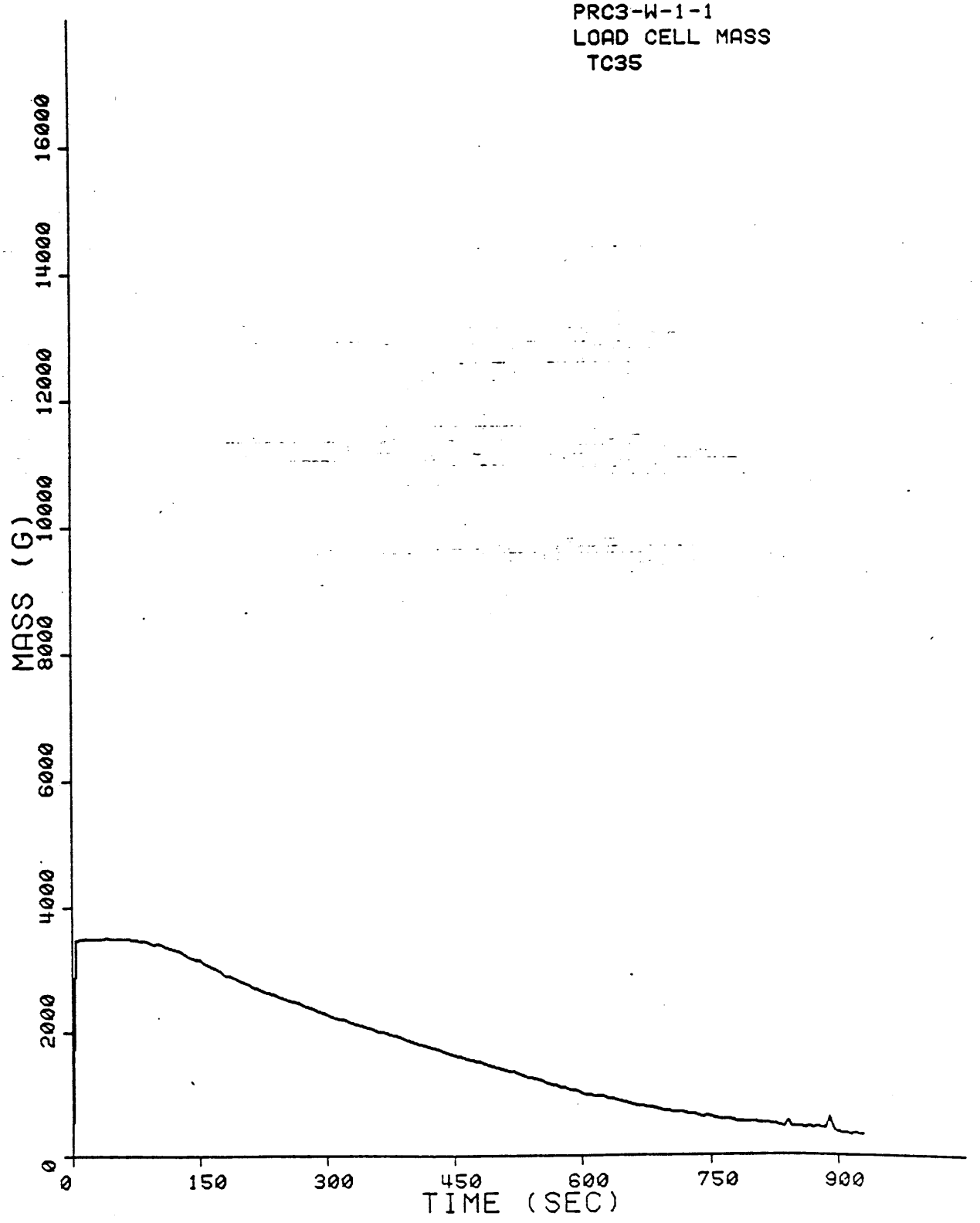

PRC20-P-3-1/4
TEMPERATURE
DOORWAY
TEMPERATURE (C)
0
75
150
225
300
375
450
525
600
0
150
300
450
600
750
900
TIME (SEC)
1
2
3
4
5
6
7

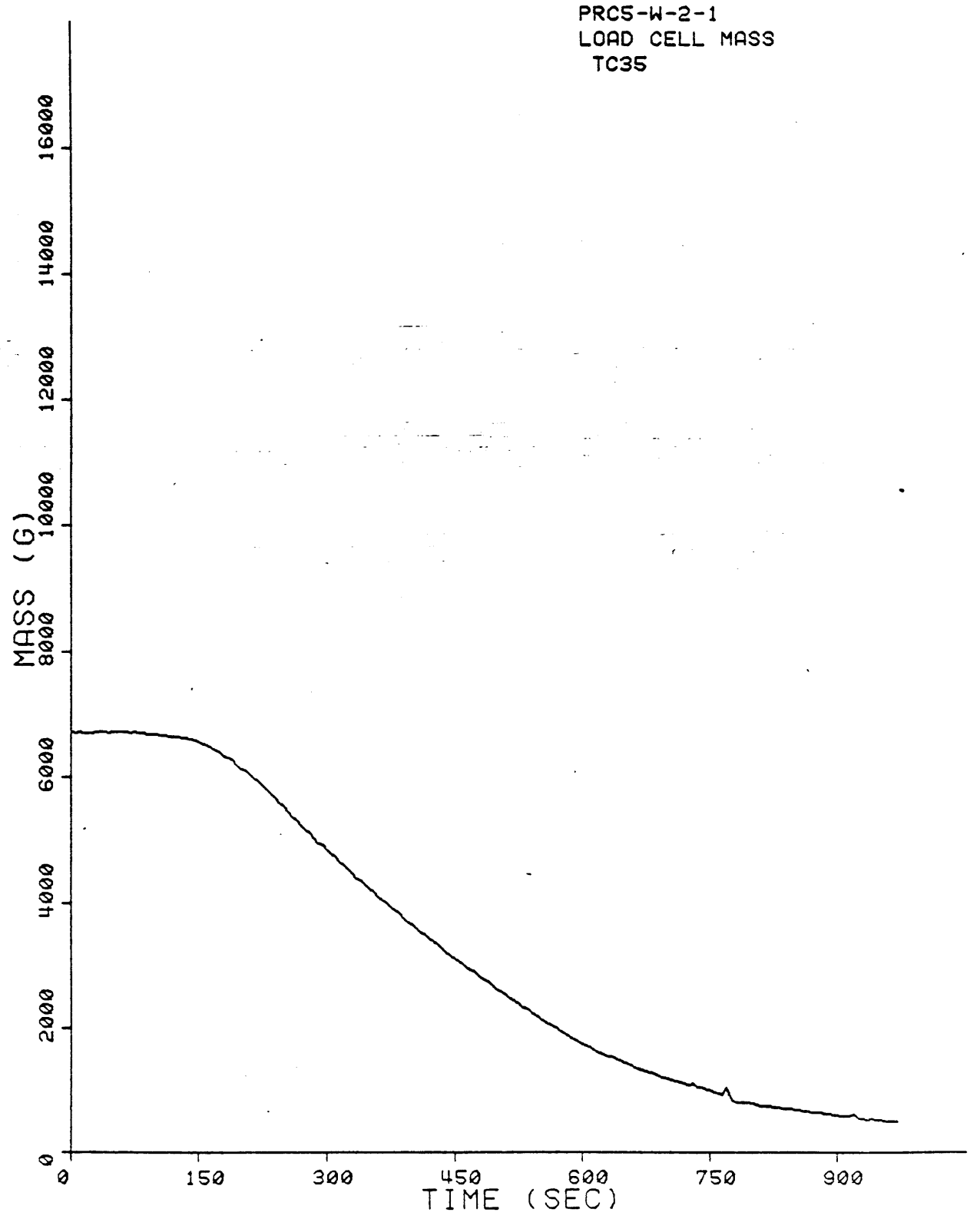
4. CRIB MASS LOSS

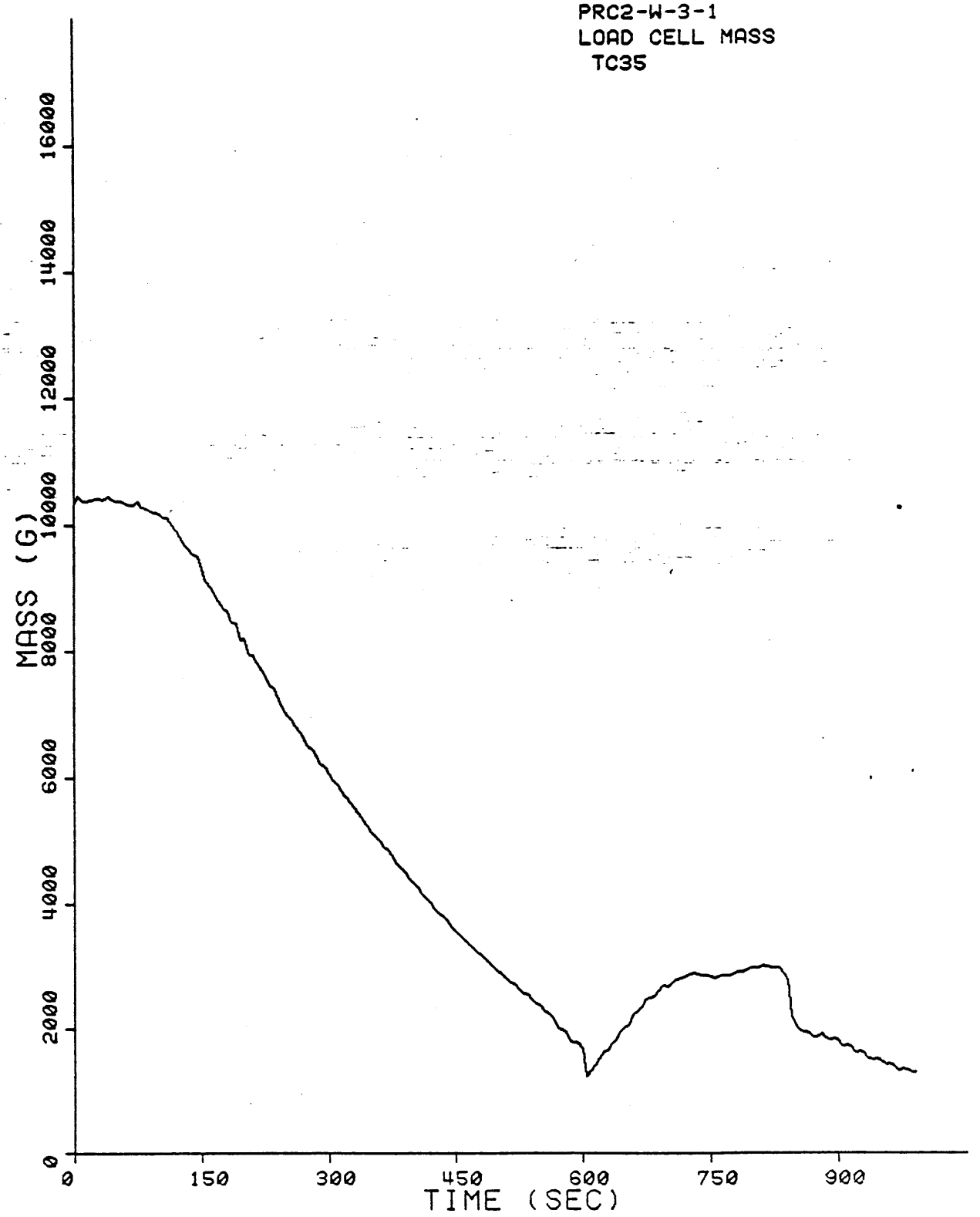
The crib(s) mass monitored as described in volume 1 [1]. Section 2.3.4 is shown as a function of time in figures 4-1 to 4-20. The wood cribs would generally collapse at about 10 minutes after ignition whereas the plastic cribs would swell and char but maintain a structure similar to its original form. The char residue after combustion was about 10 percent for the wood and 13 percent for the plastic.

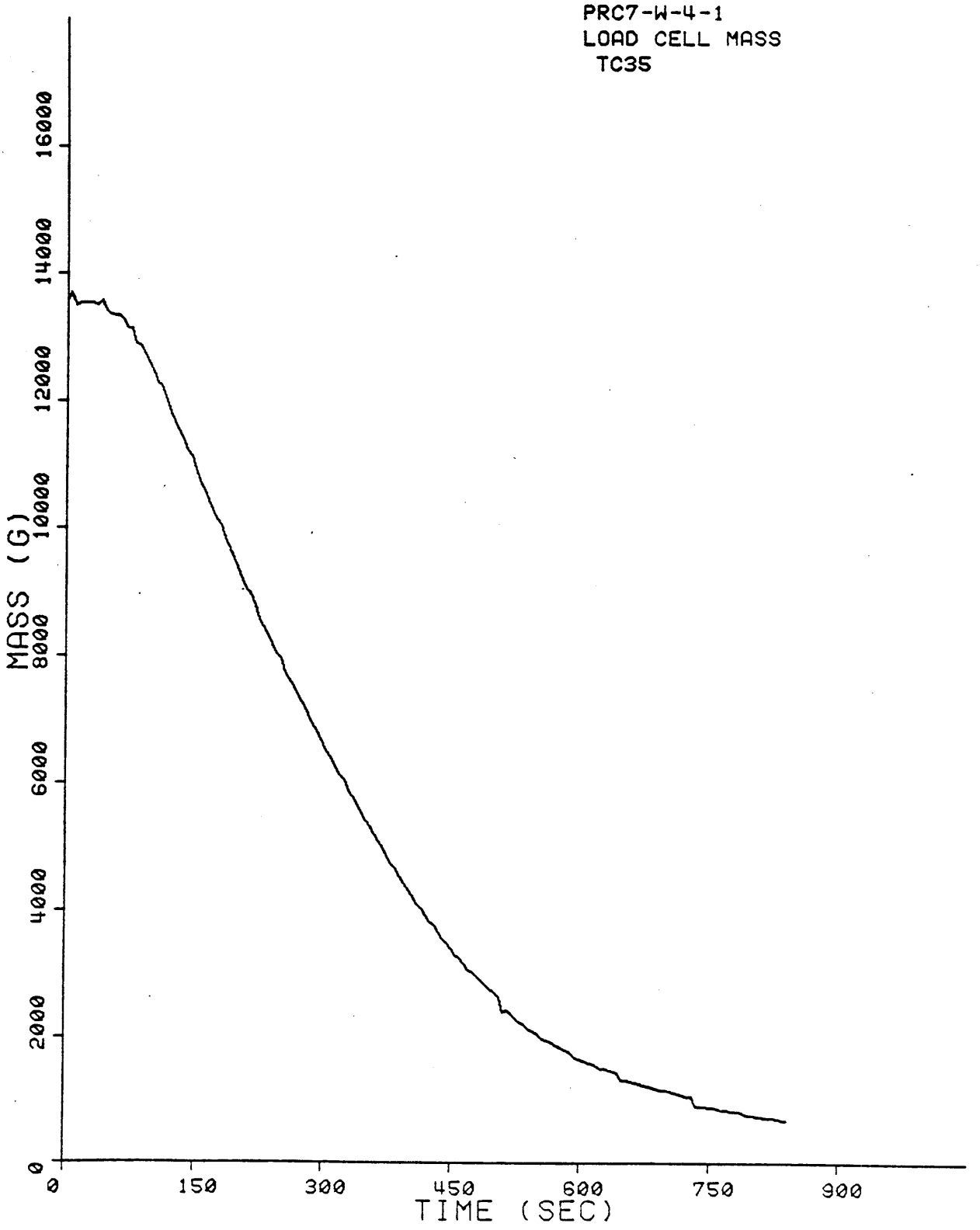
In form experiments, PRC 15 through 18, a malfunction of the load platform was discovered. This was corrected and an attempt was made to correct the errors in the mass loss data through a special calibration procedure. These corrected results are shown here.

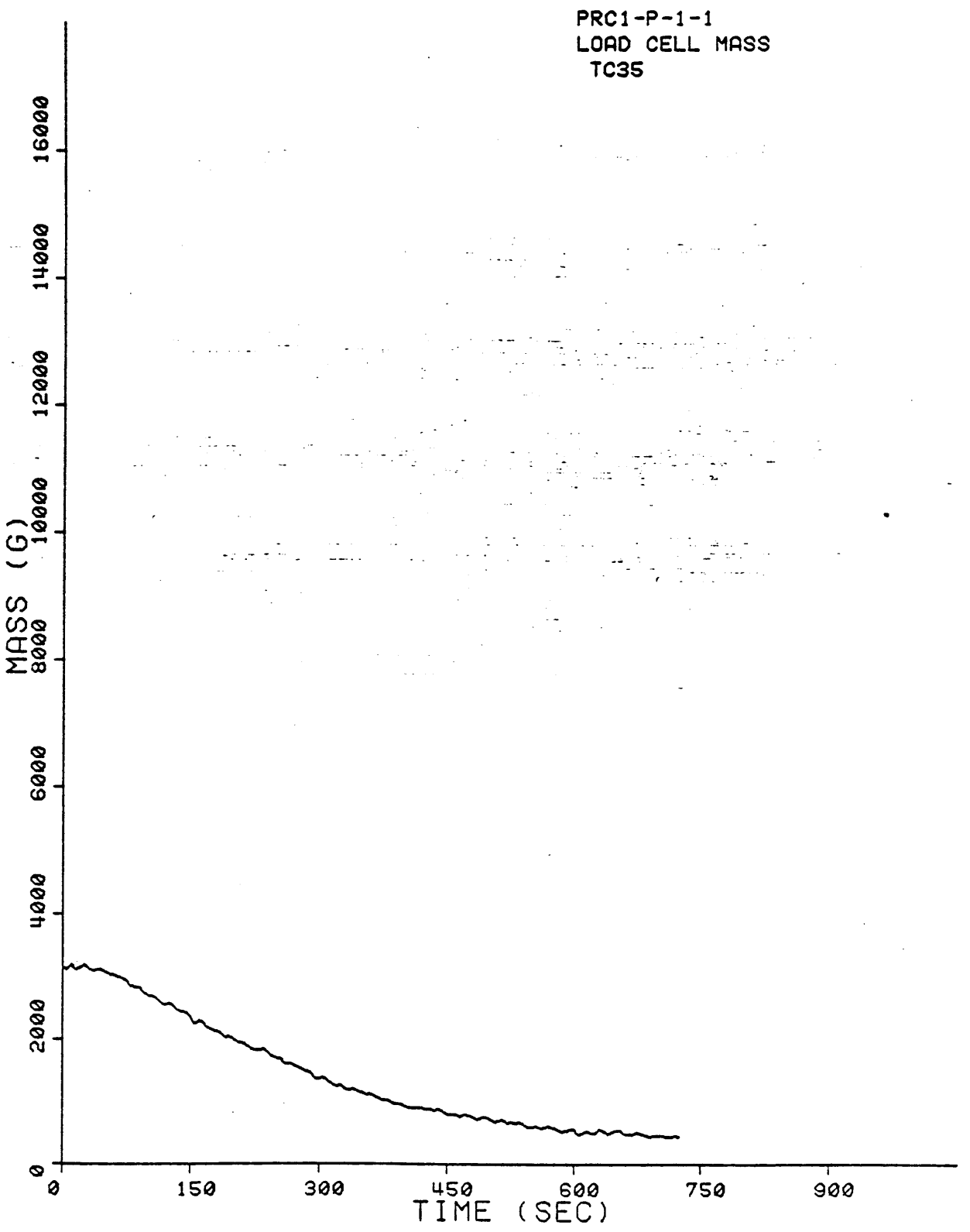
An anomaly occurred in PRC 2 which was a mass increase near the end of the experiment. This coincided with the crib collapse. However, the cause of this erroneous mass increase was not clear. Another obvious error occurs as a brief excursion in PRC 18. This is likely a data recording problem.

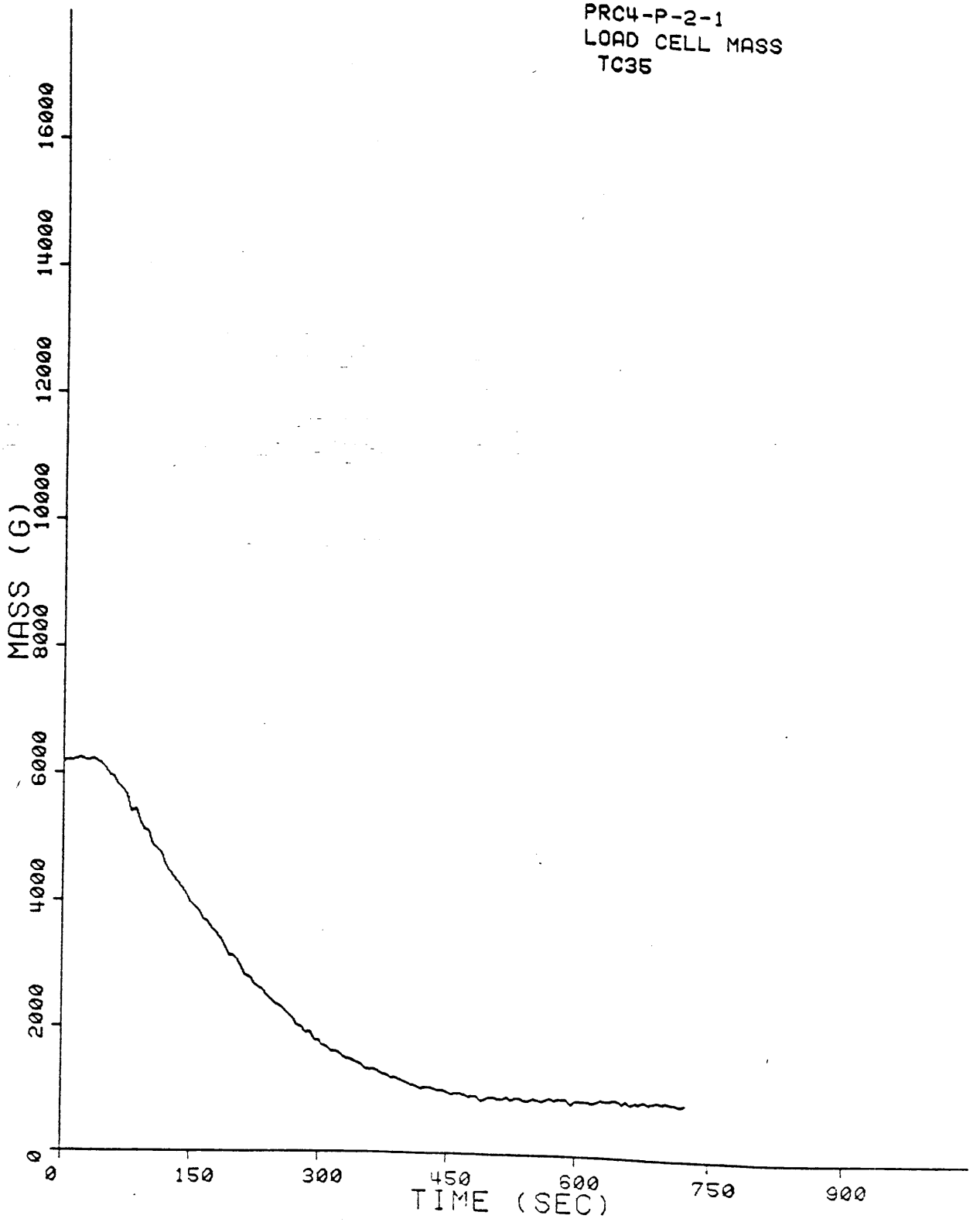

PRC3-W-1-1
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

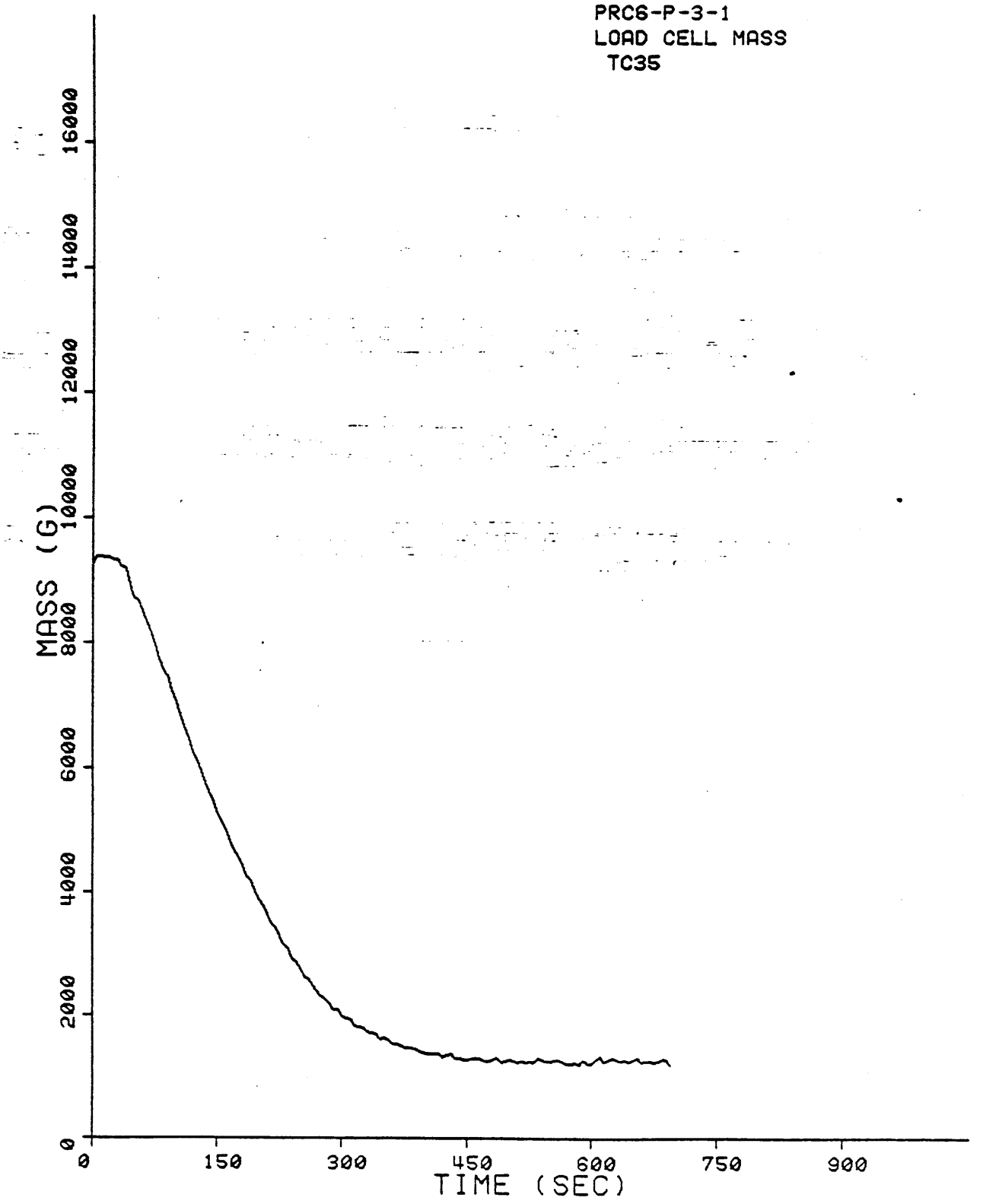

PRC5-W-2-1
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

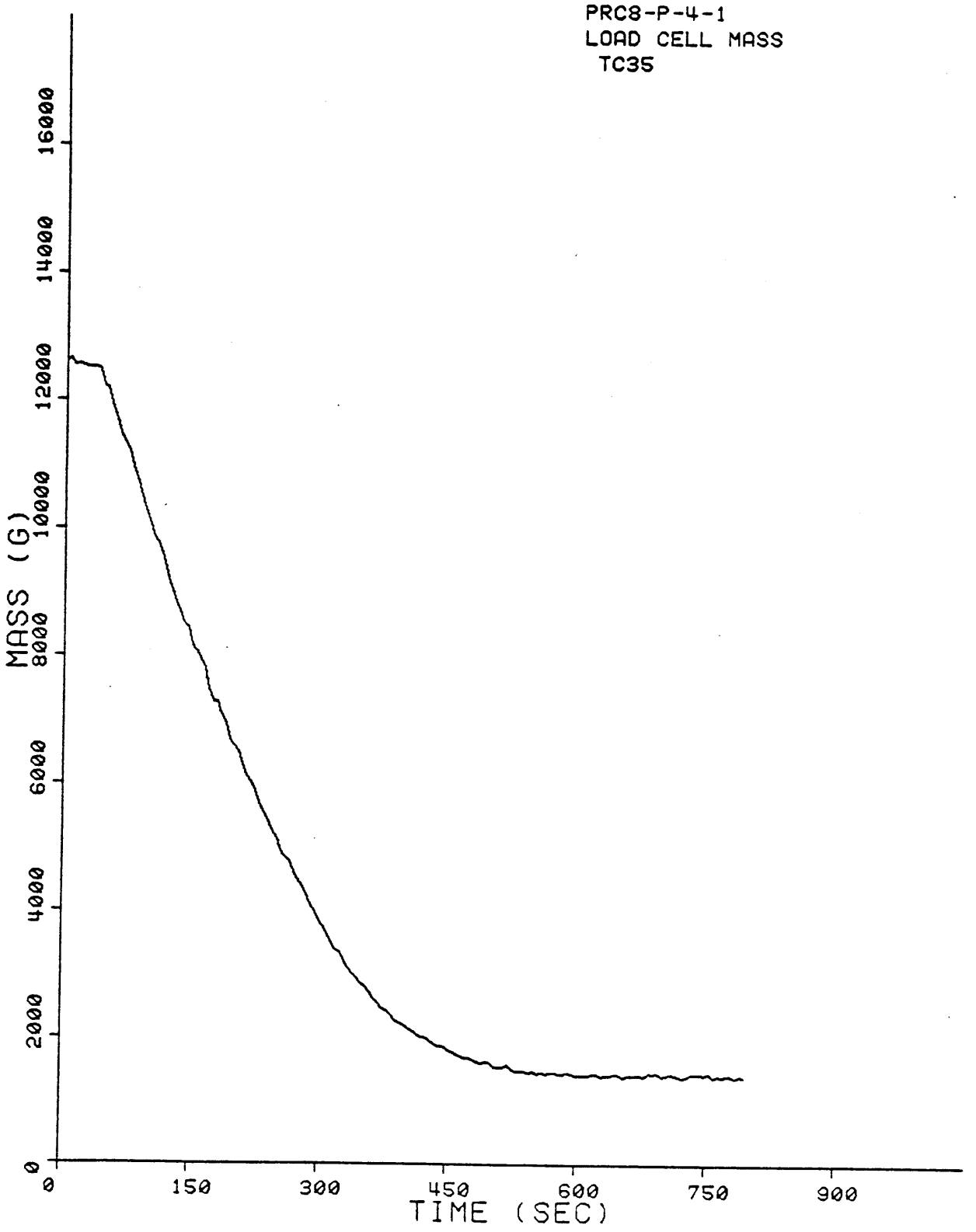

PRC2-W-3-1
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

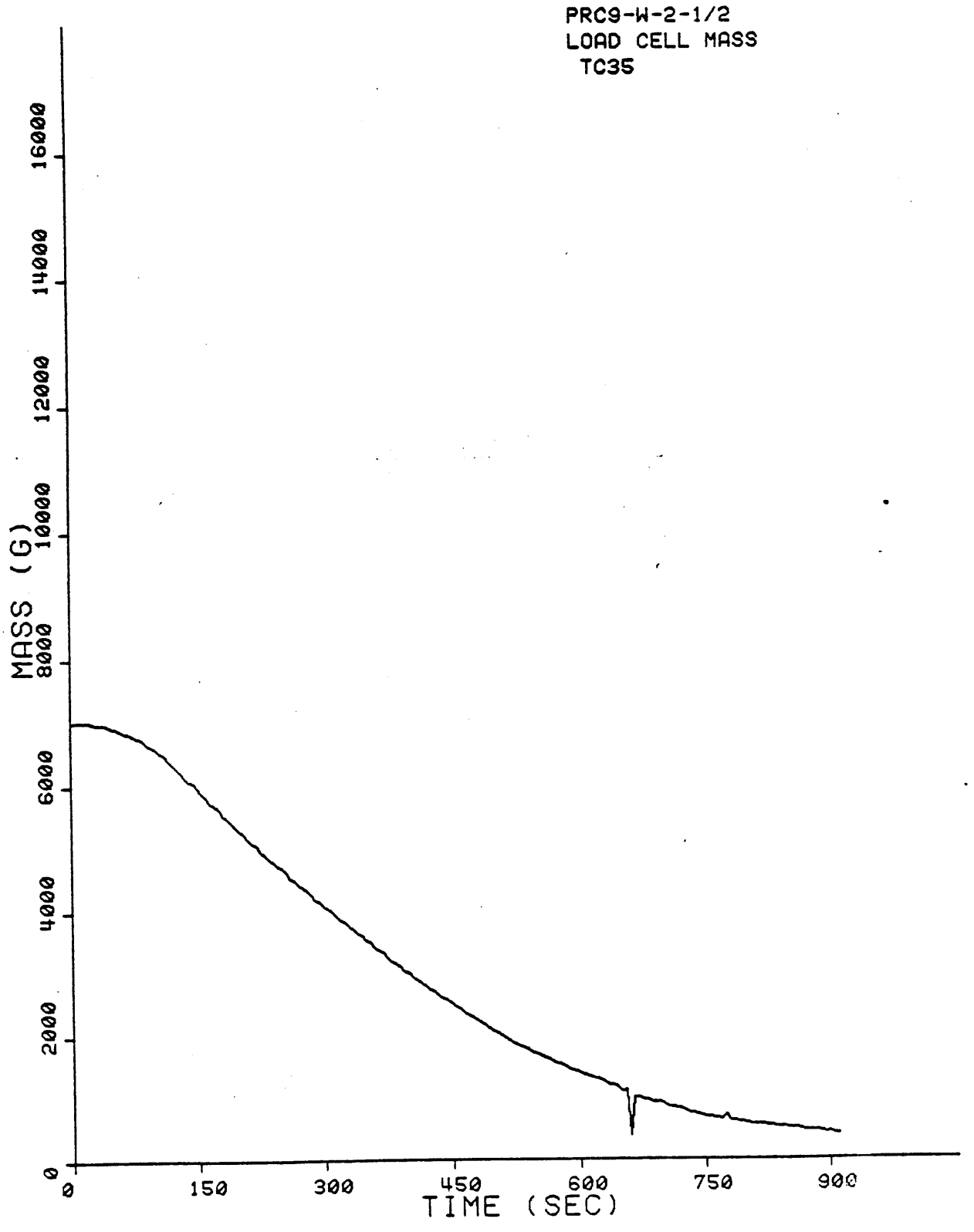

PRC7-W-4-1
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

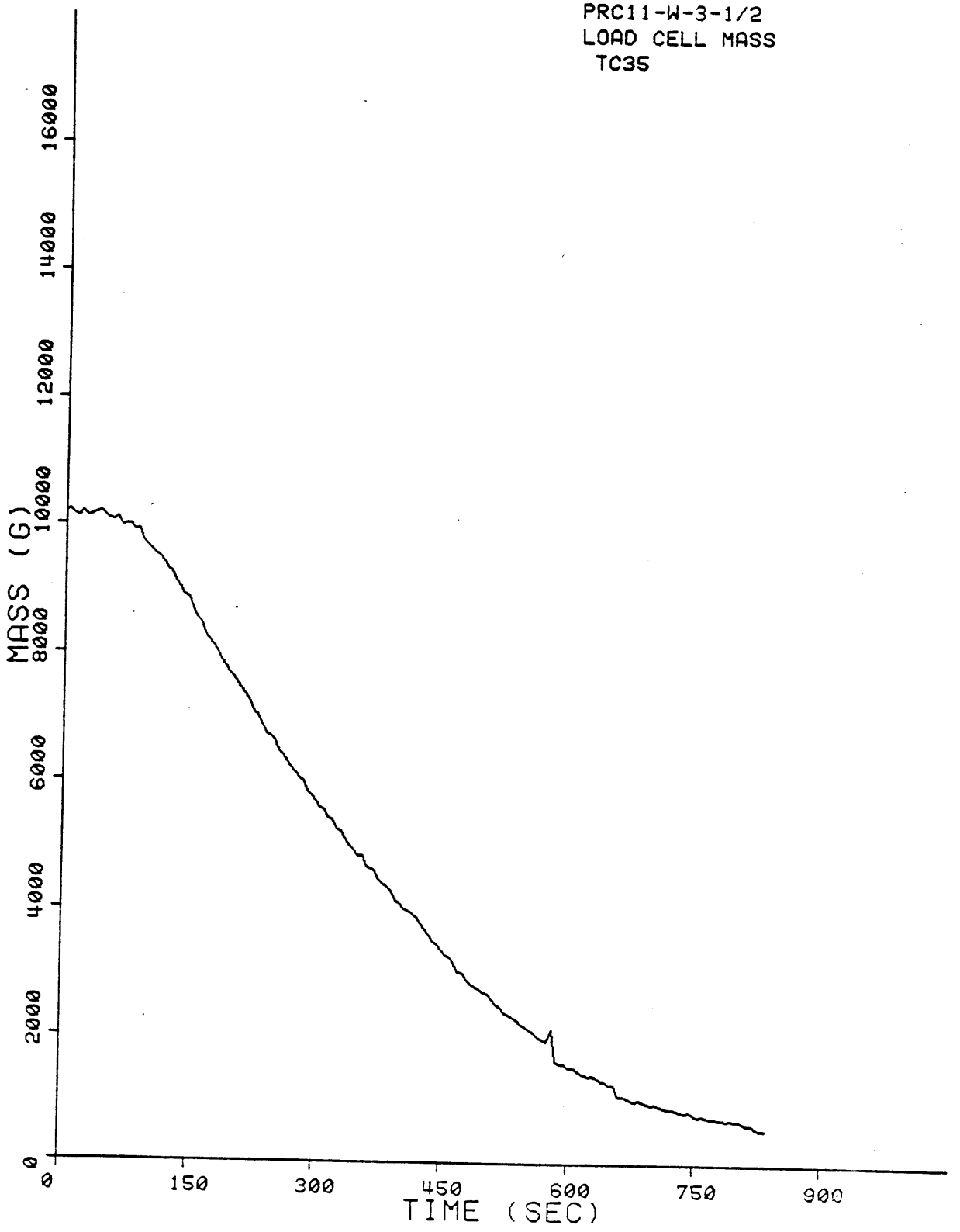

PRC1-P-1-1
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

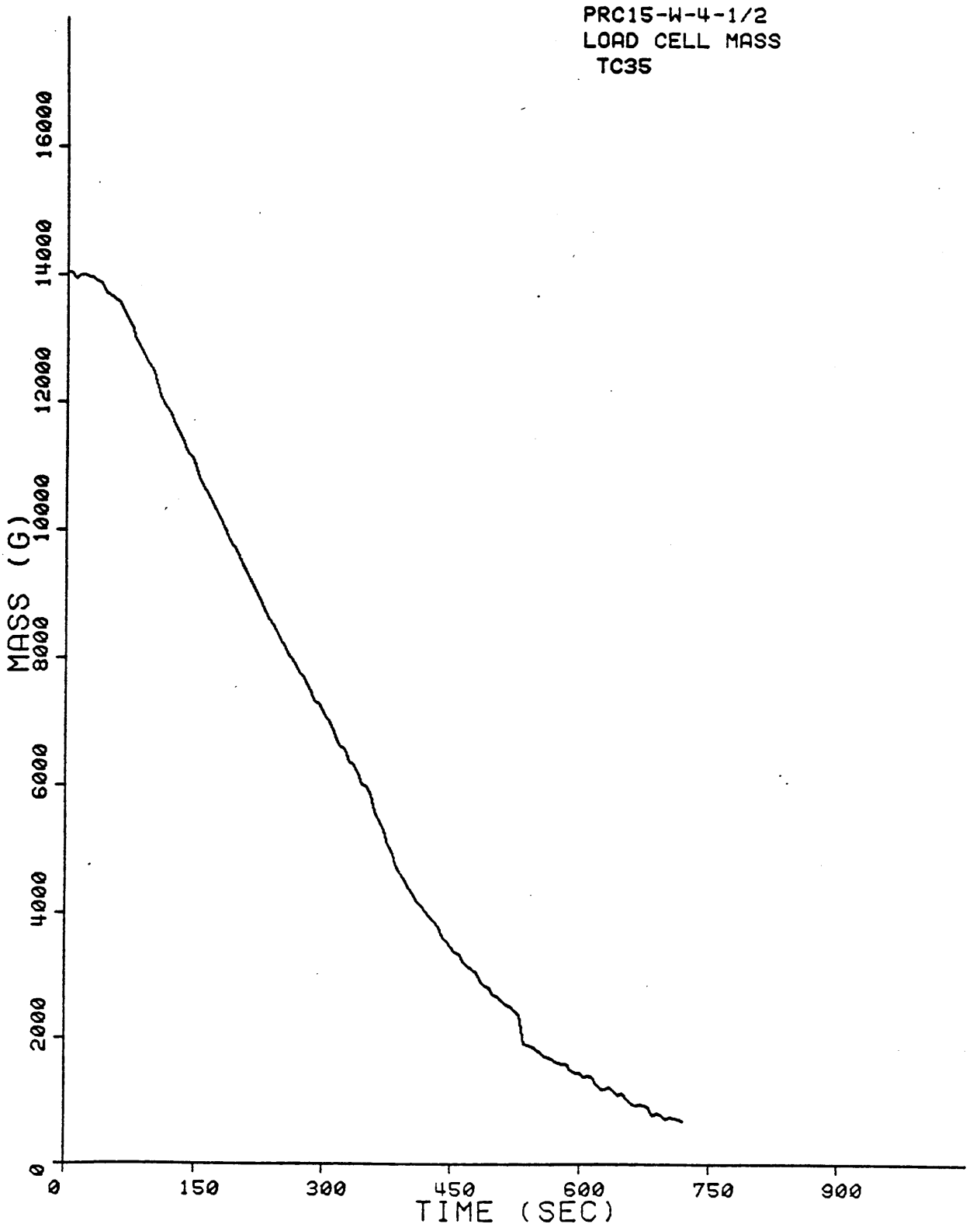

PRC4-P-2-1
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

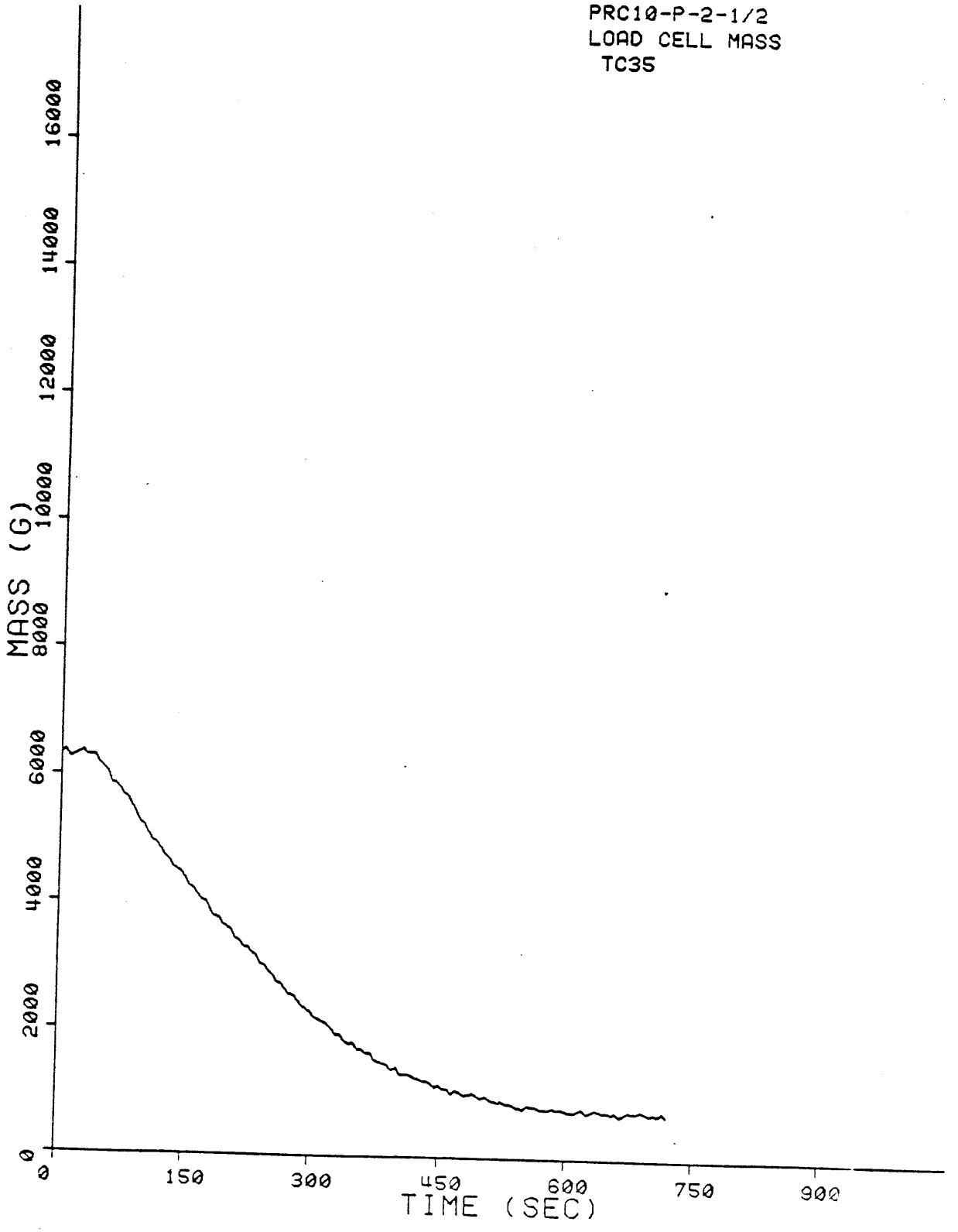

PRC6-P-3-1
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

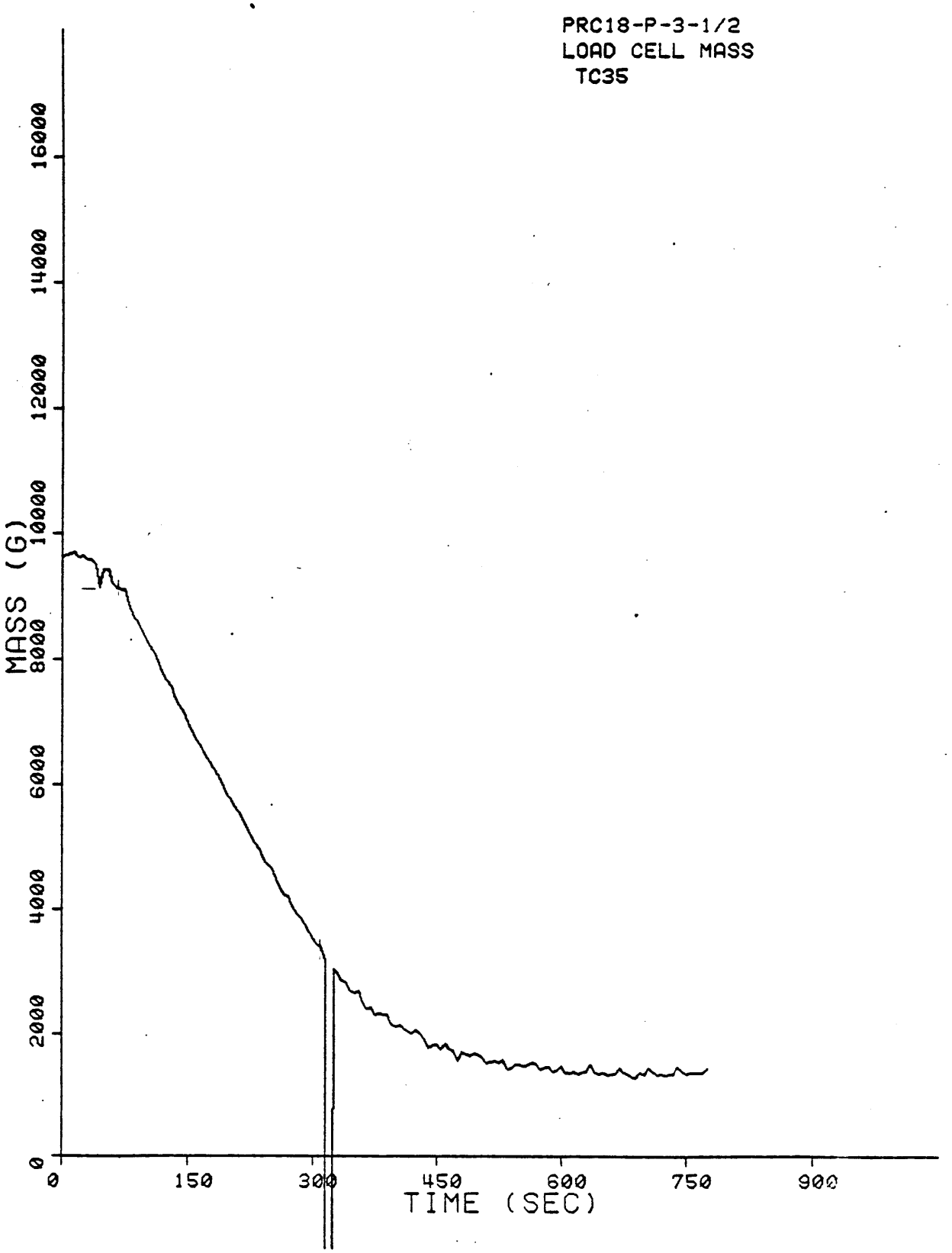

PRC8-P-4-1
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

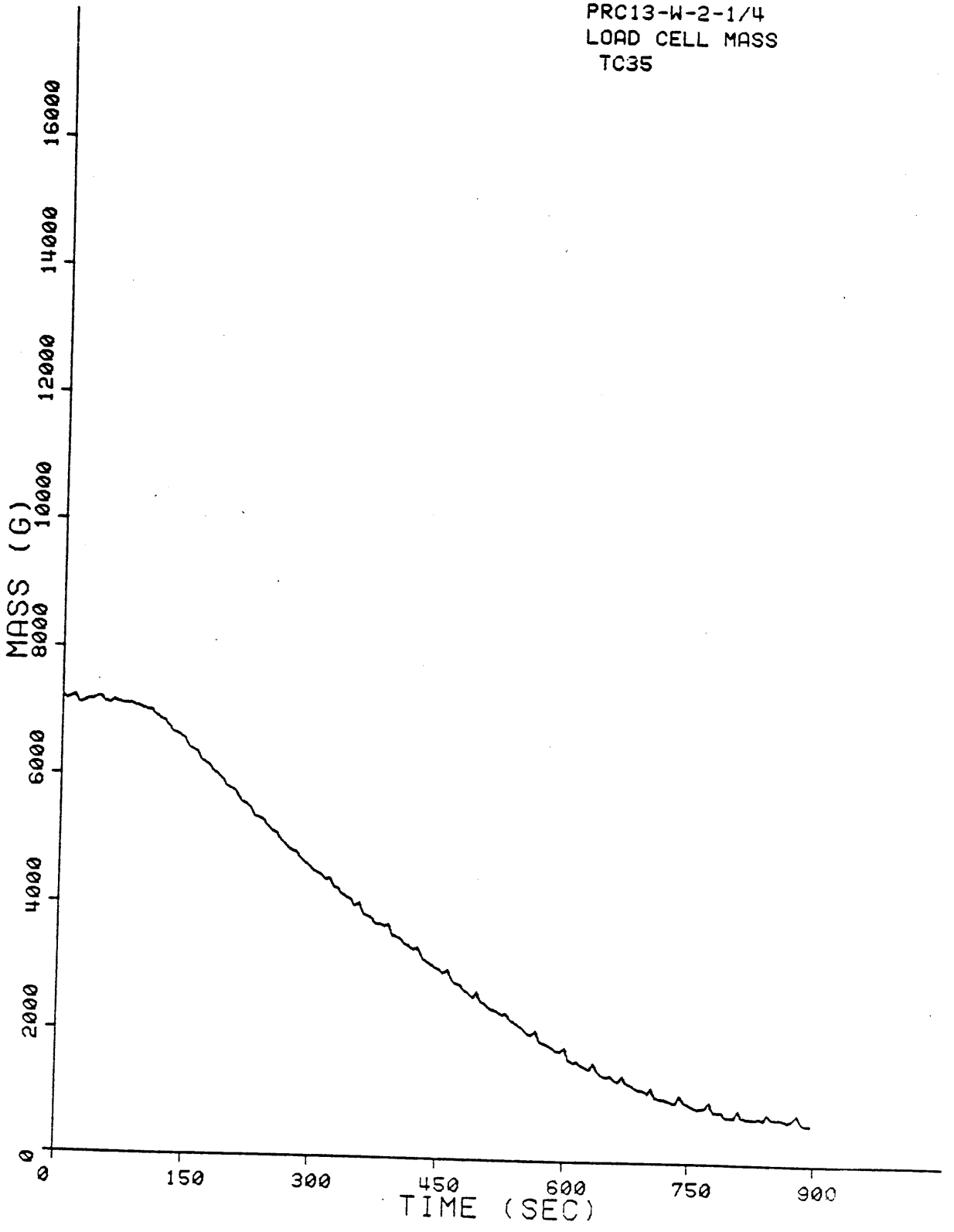

PRC9-W-2-1/2
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

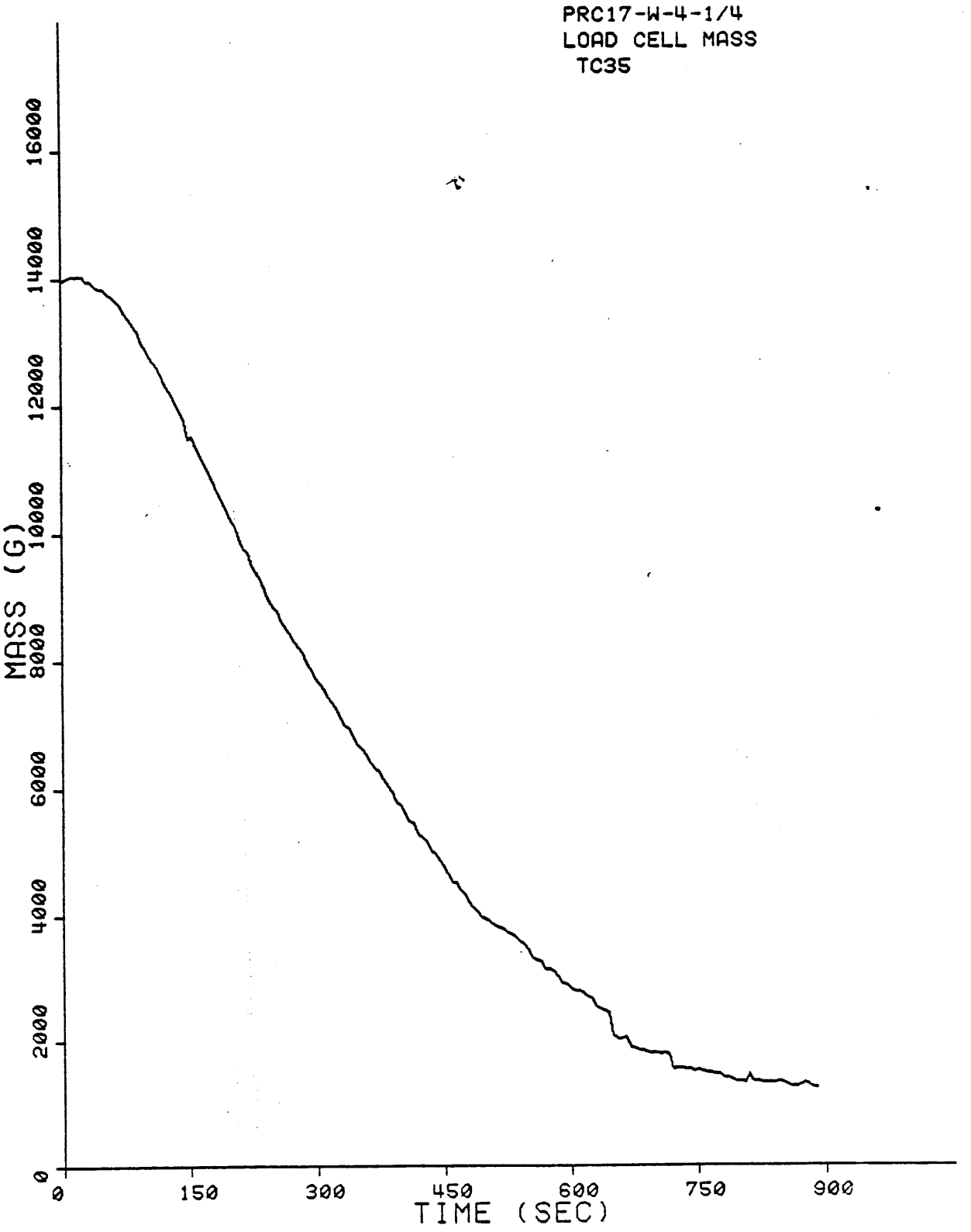

PRC11-W-3-1/2
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

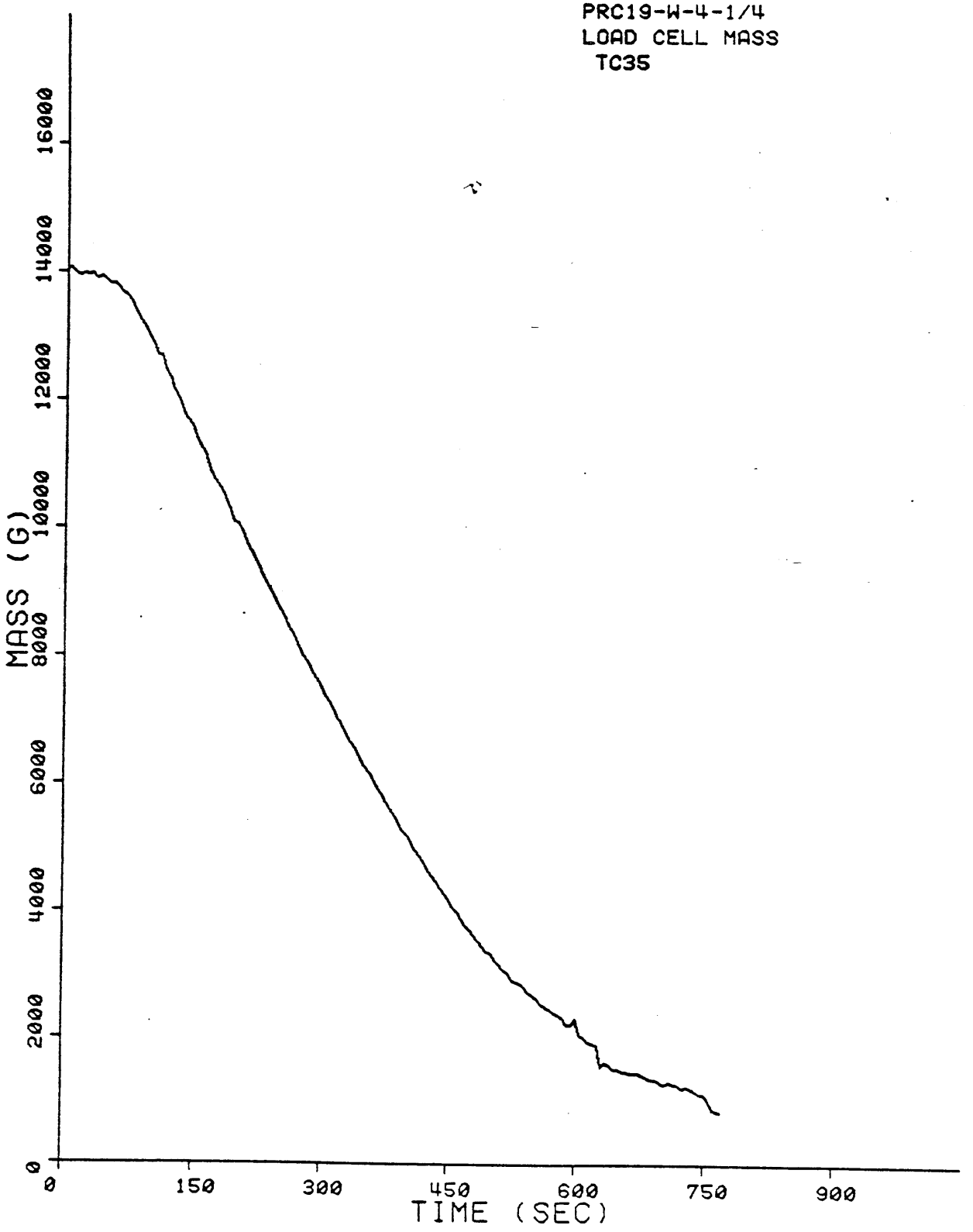

PRC15-W-4-1/2
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

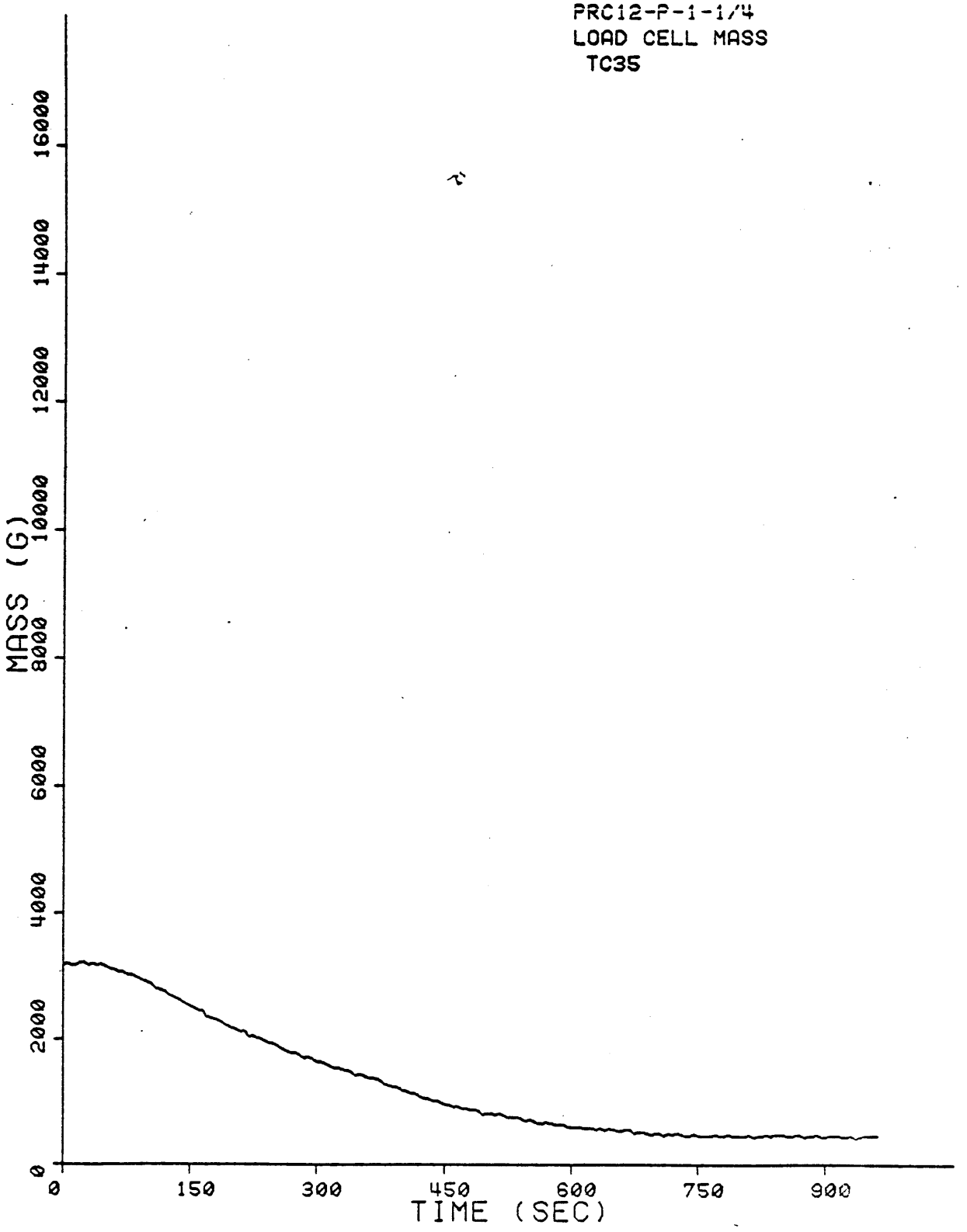

PRC10-P-2-1/2
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

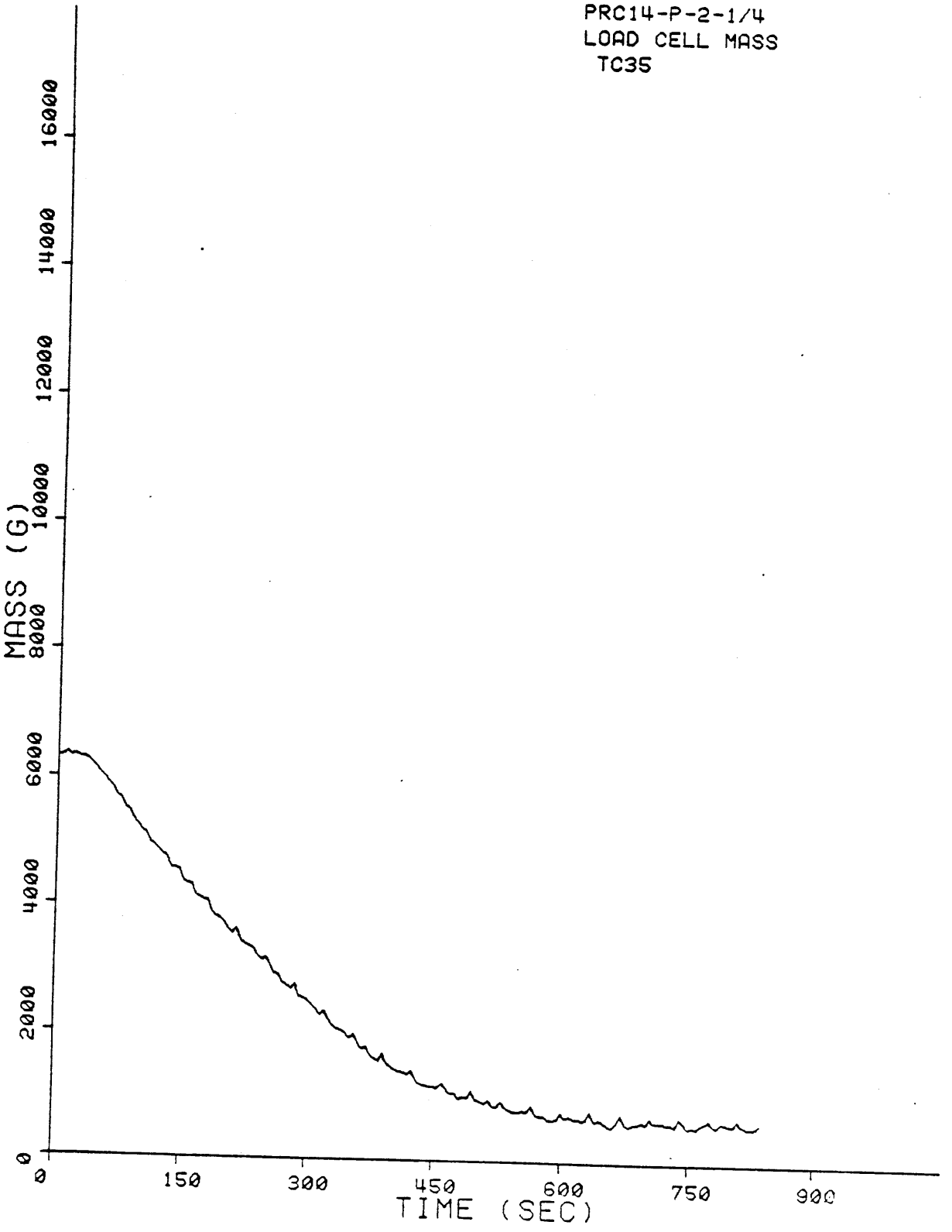

PRC18-P-3-1/2
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

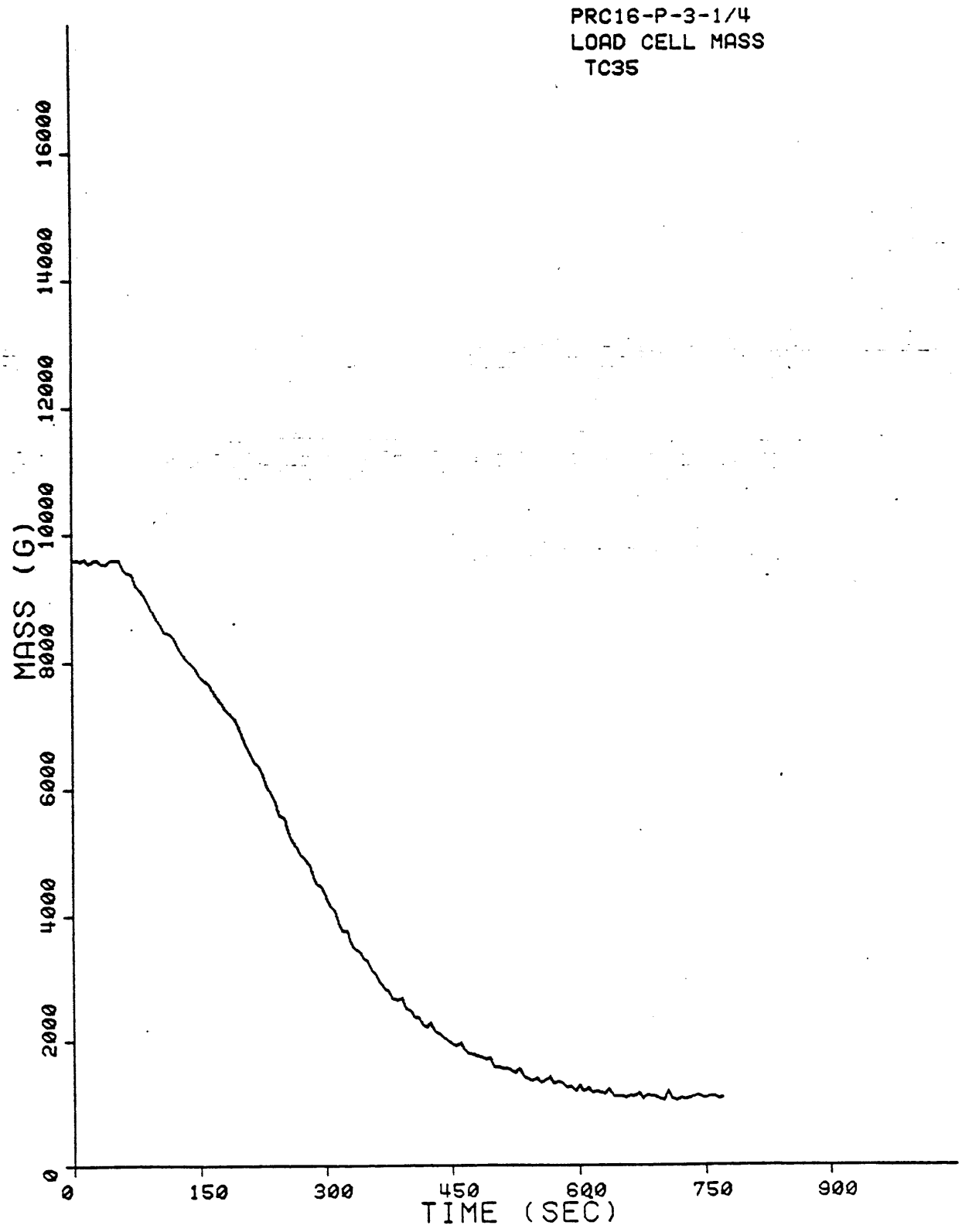

PRC13-W-2-1/4
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

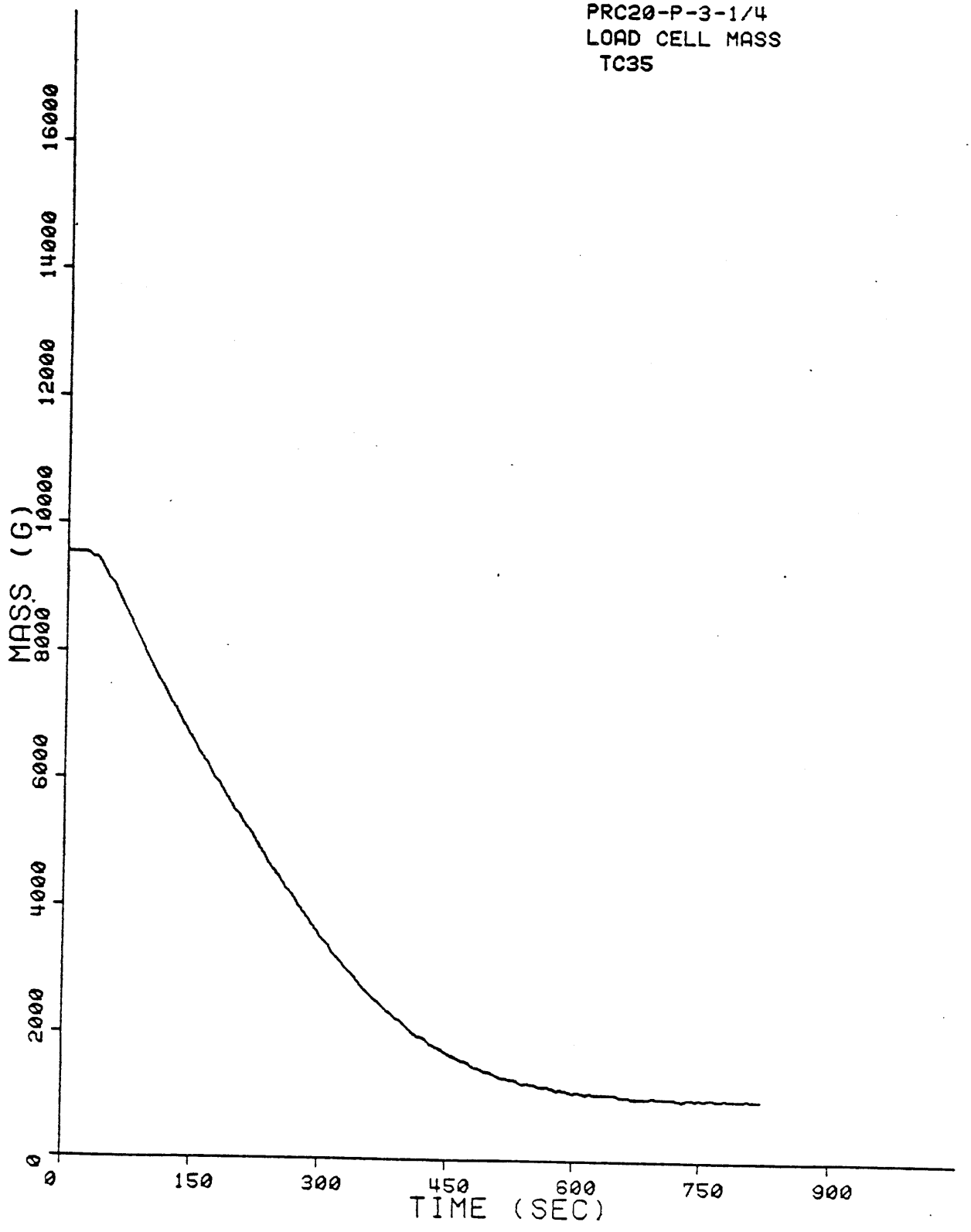

PRC17-W-4-1/4
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)


PRC19-W-4-1/4
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)


PRC12-P-1-1/4
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)


PRC14-P-2-1/4
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)


PRC16-P-3-1/4
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)


PRC20-P-3-1/4
LOAD CELL MASS
TC35
MASS (G)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
150
300
450
600
750
900
TIME (SEC)

5. CRIB MASS LOSS RATE

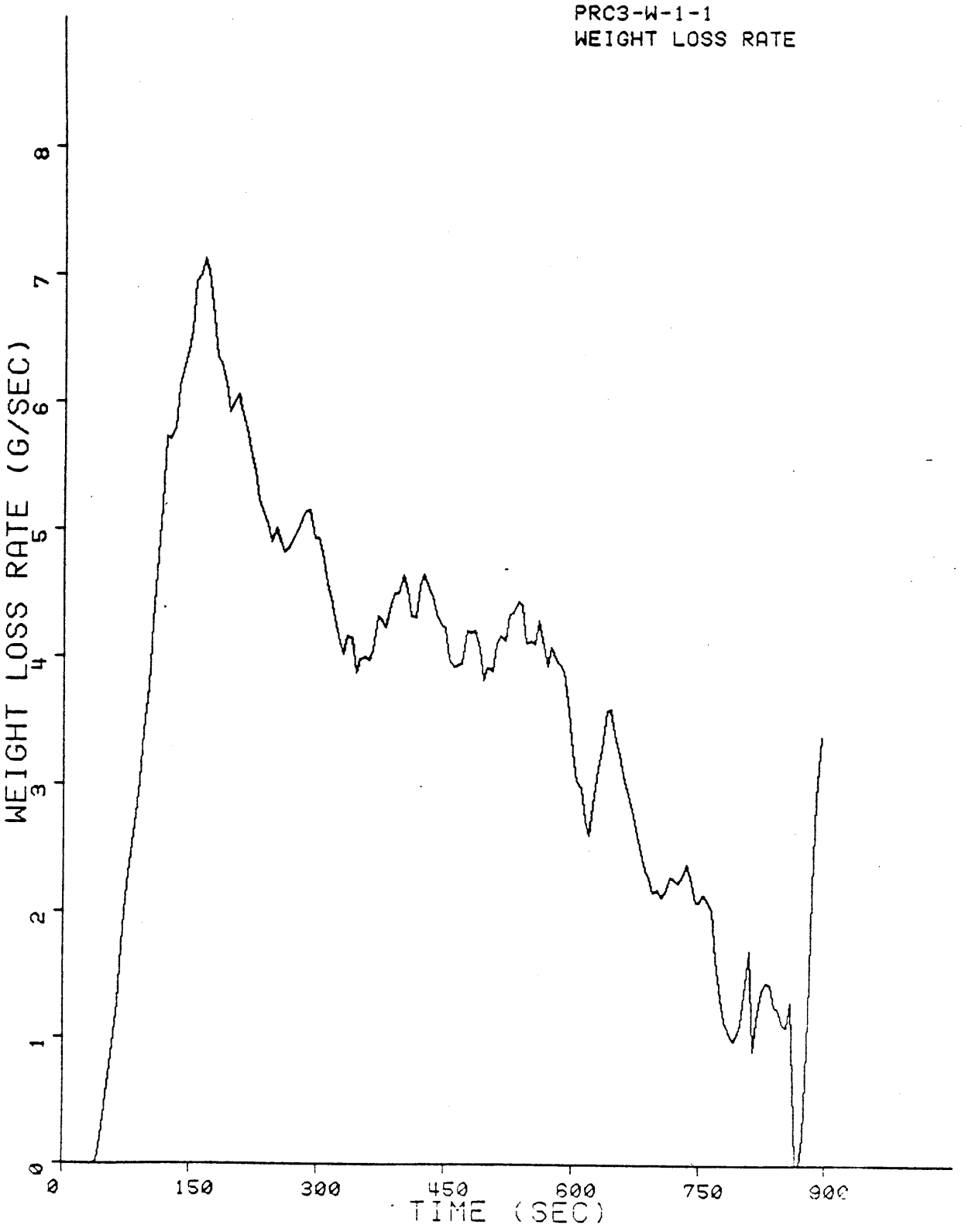
The instantaneous rate of mass loss was obtained from the crib mass data. In the interpretation of these results it should be realized that they arise from a differentiation process applied to discrete data points which may not be well-behaved in a mathematical sense due to experimental fluctuations. The "smoothing" method selected was a least square linear fit over successive mass loss data points. The slope of the linear fit is the mass loss rate. This process was repeated for a running set of ten data points for each five-second increment. The formula is given as

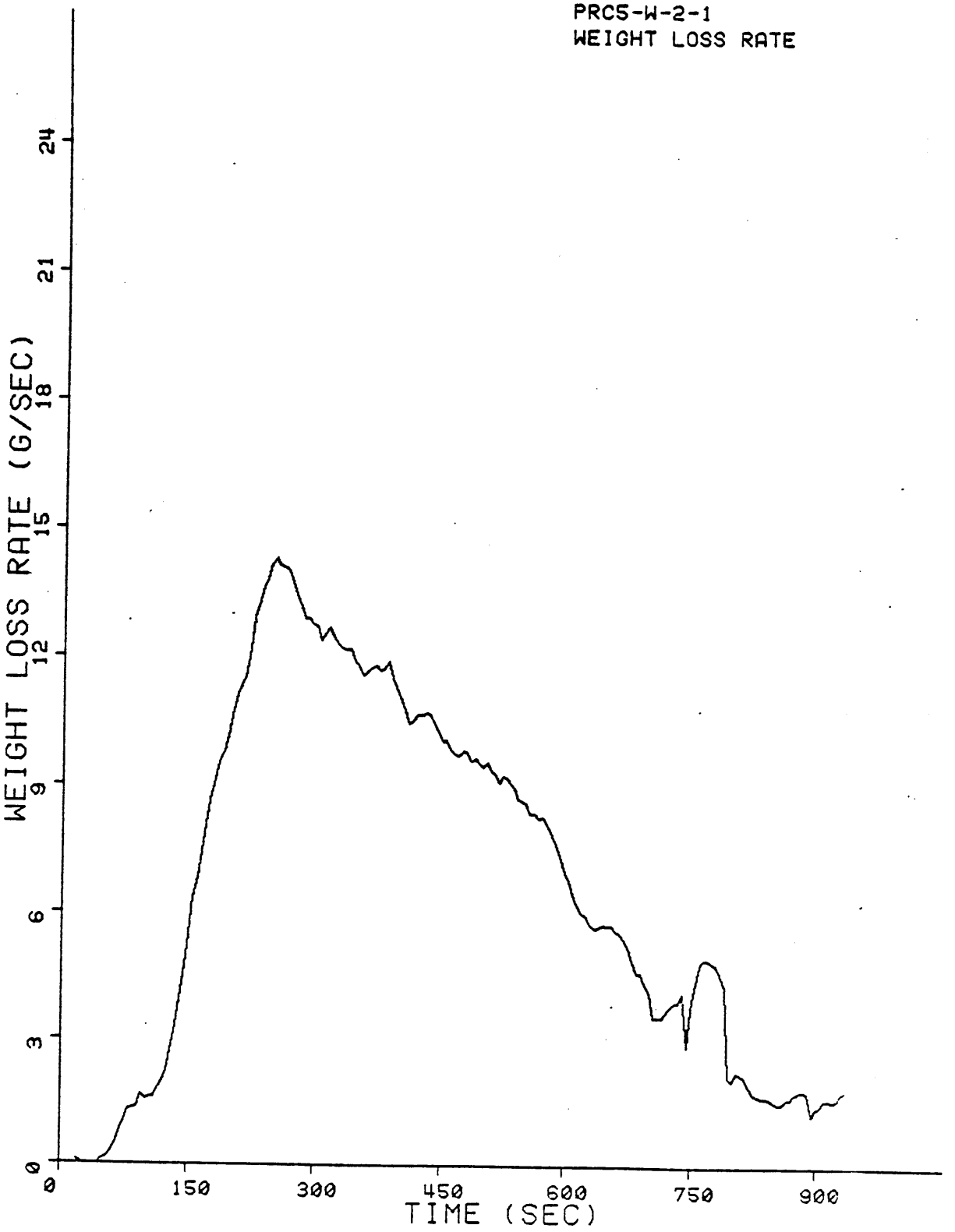
$$\dot{m}(t_i)\Big|_{i=5} = \frac{\sum_{i=1}^{10} t_i m_i - \frac{\sum_{i=1}^{10} t_i \sum_{i=1}^{10} m_i}{10}}{\sum_{i=1}^{10} t_i^2 - \frac{\left(\sum_{i=1}^{10} t_i\right)^2}{10}}$$

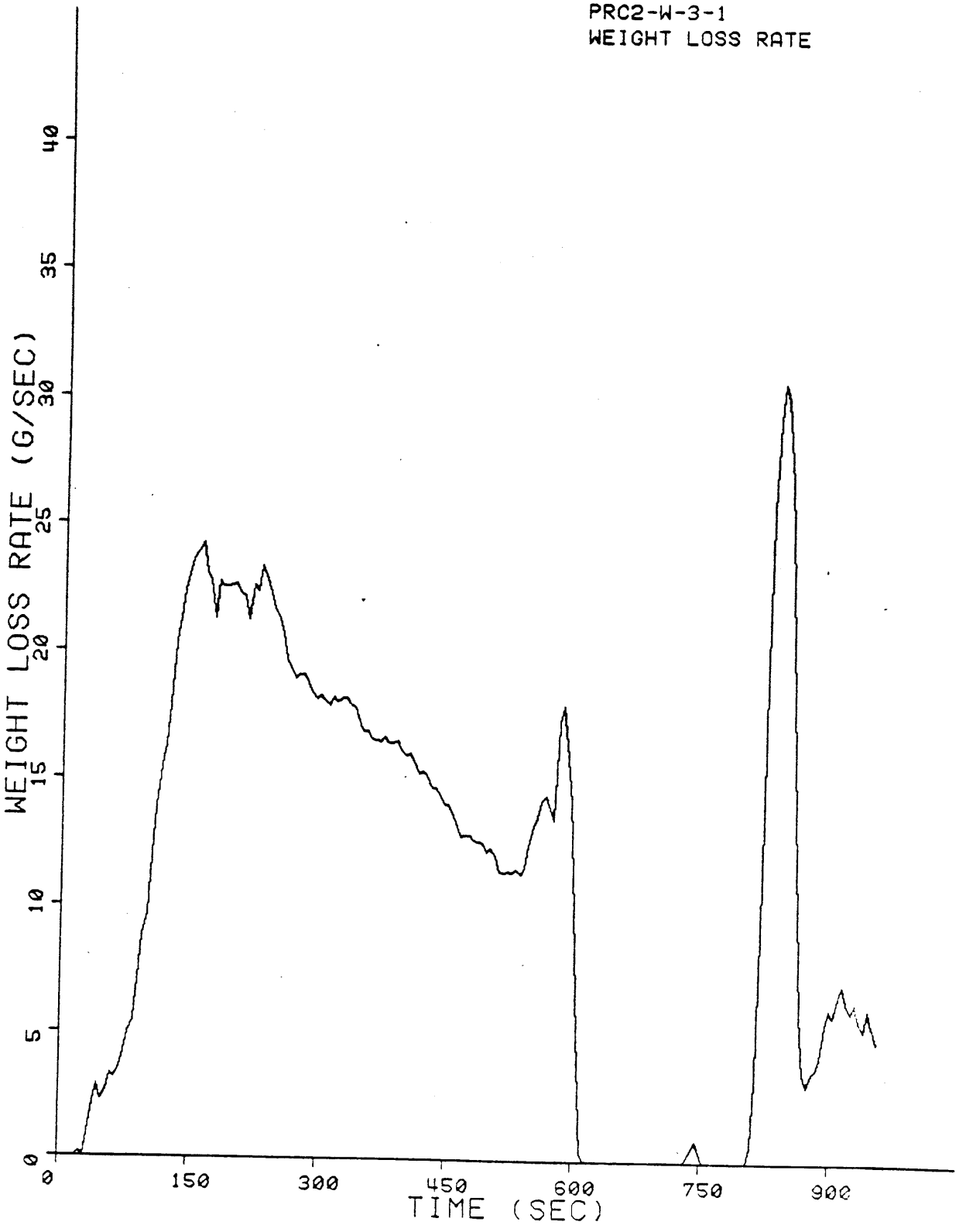
where t_i is the time
and m_i is the mass.

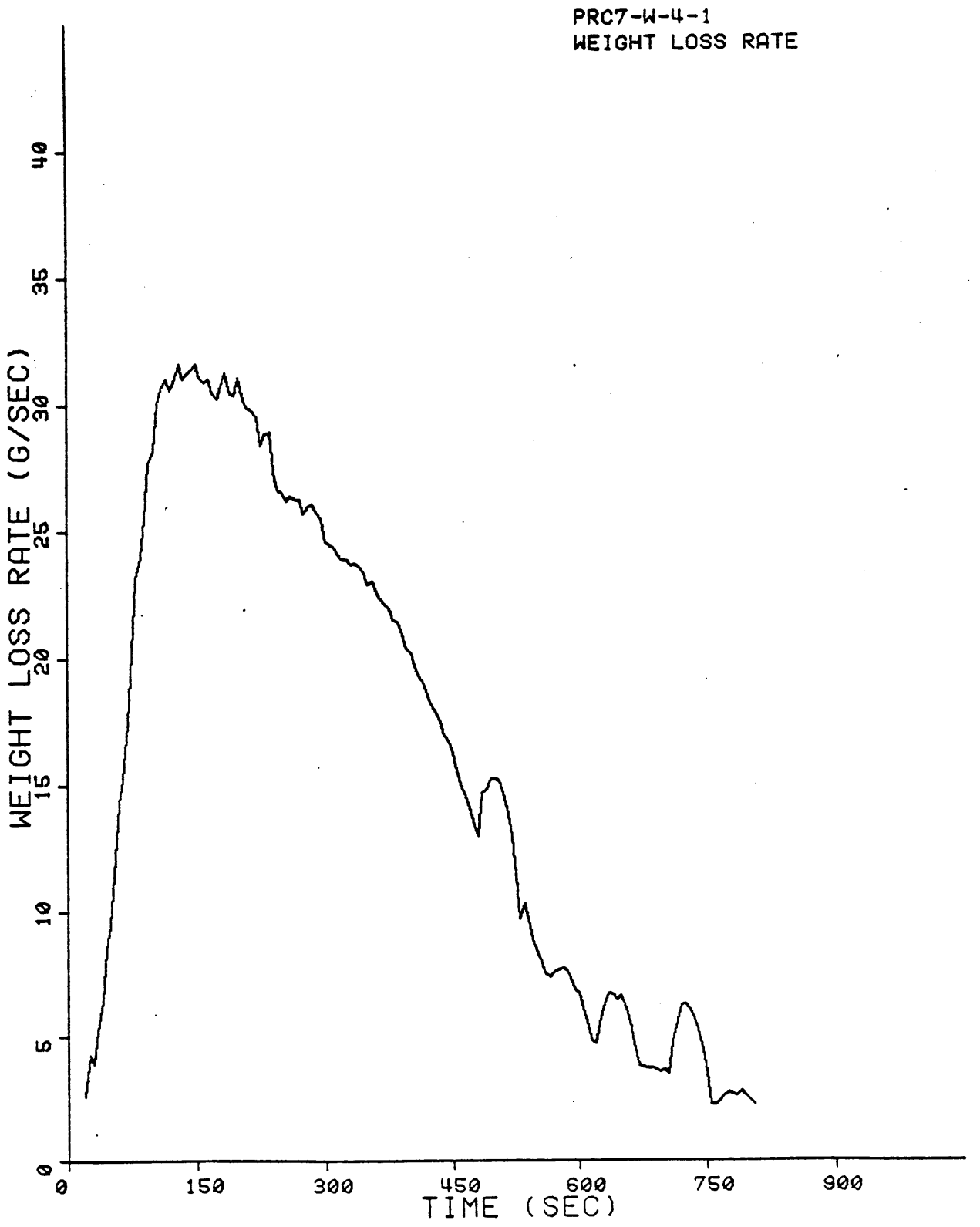
The results of these calculations are given in figures 5-1 through 5-20. Anomalous behavior can be traced back to problems with the mass loss data or to the manner in which the differentiation method is responding to the data fluctuations.

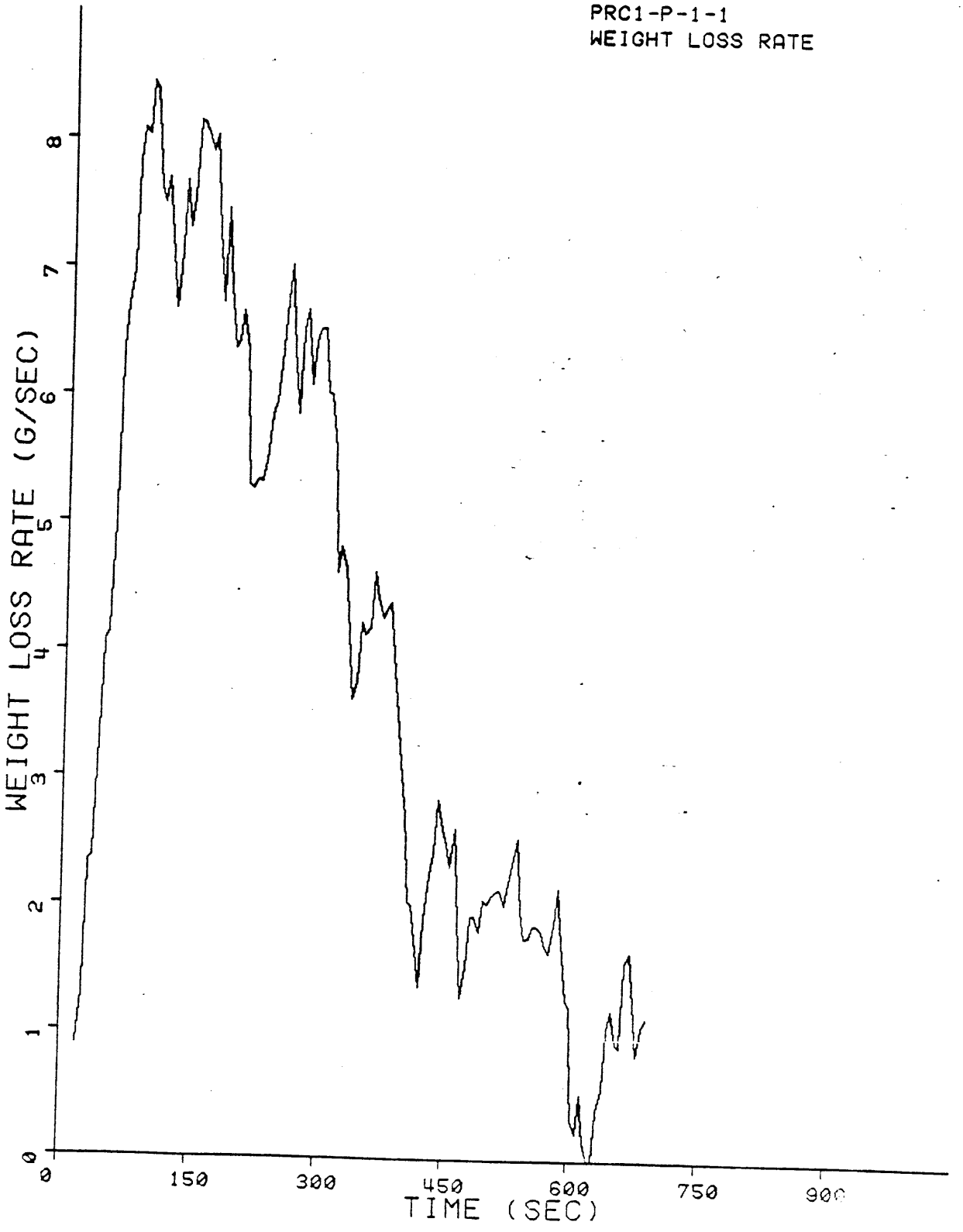
A comparison between repeat runs (PRC 17 with PRC 19, and PRC 20 with PRC 16) shows that the results are in fair agreement. (Note that the ordinate scale varies in each of these figures.)

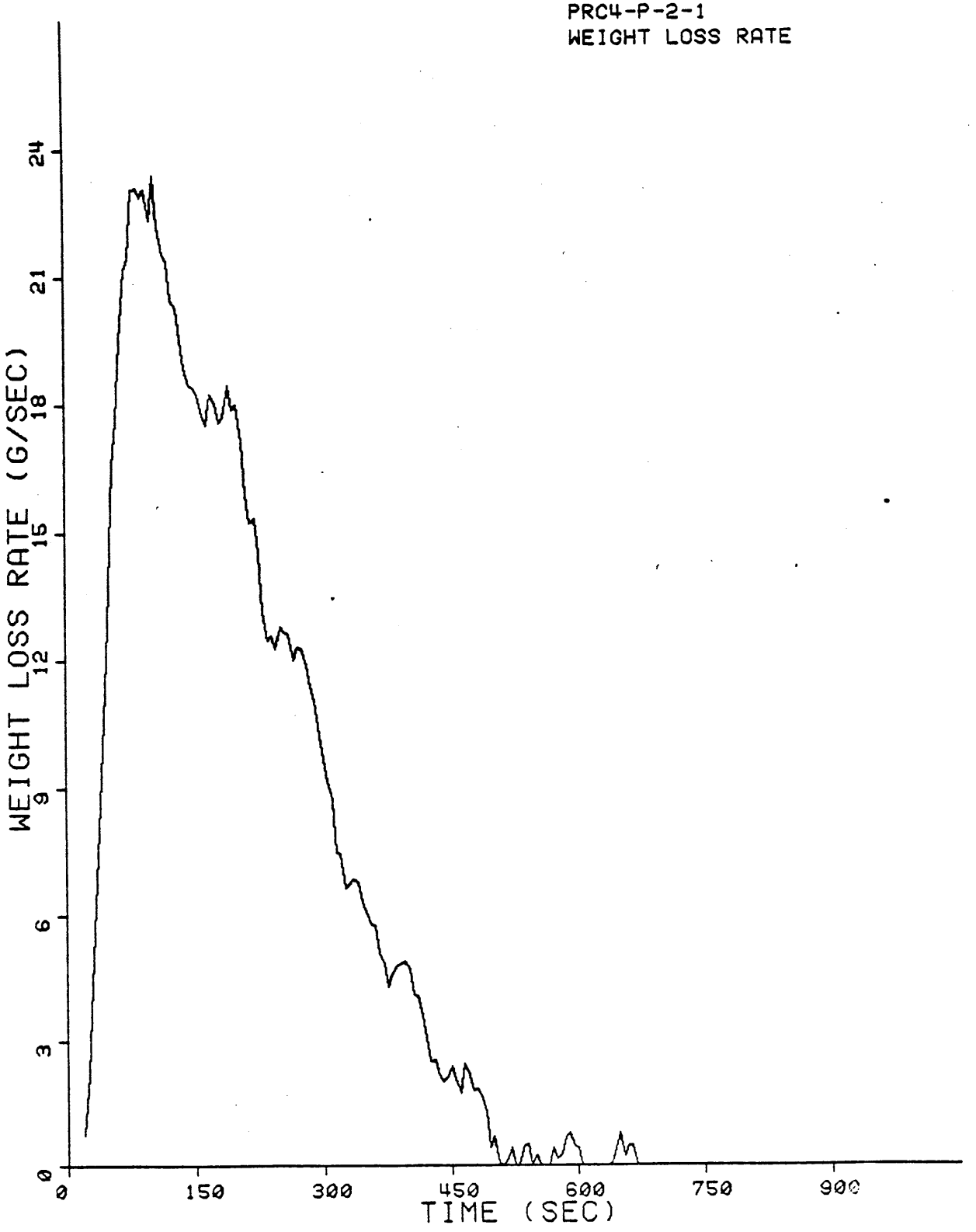

PRC3-W-1-1
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
1
2
3
4
5
6
7
8
0
150
300
450
600
750
900
TIME (SEC)


PRCS-W-2-1
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
3
6
9
12
15
18
21
24
0
150
300
450
600
750
900
TIME (SEC)

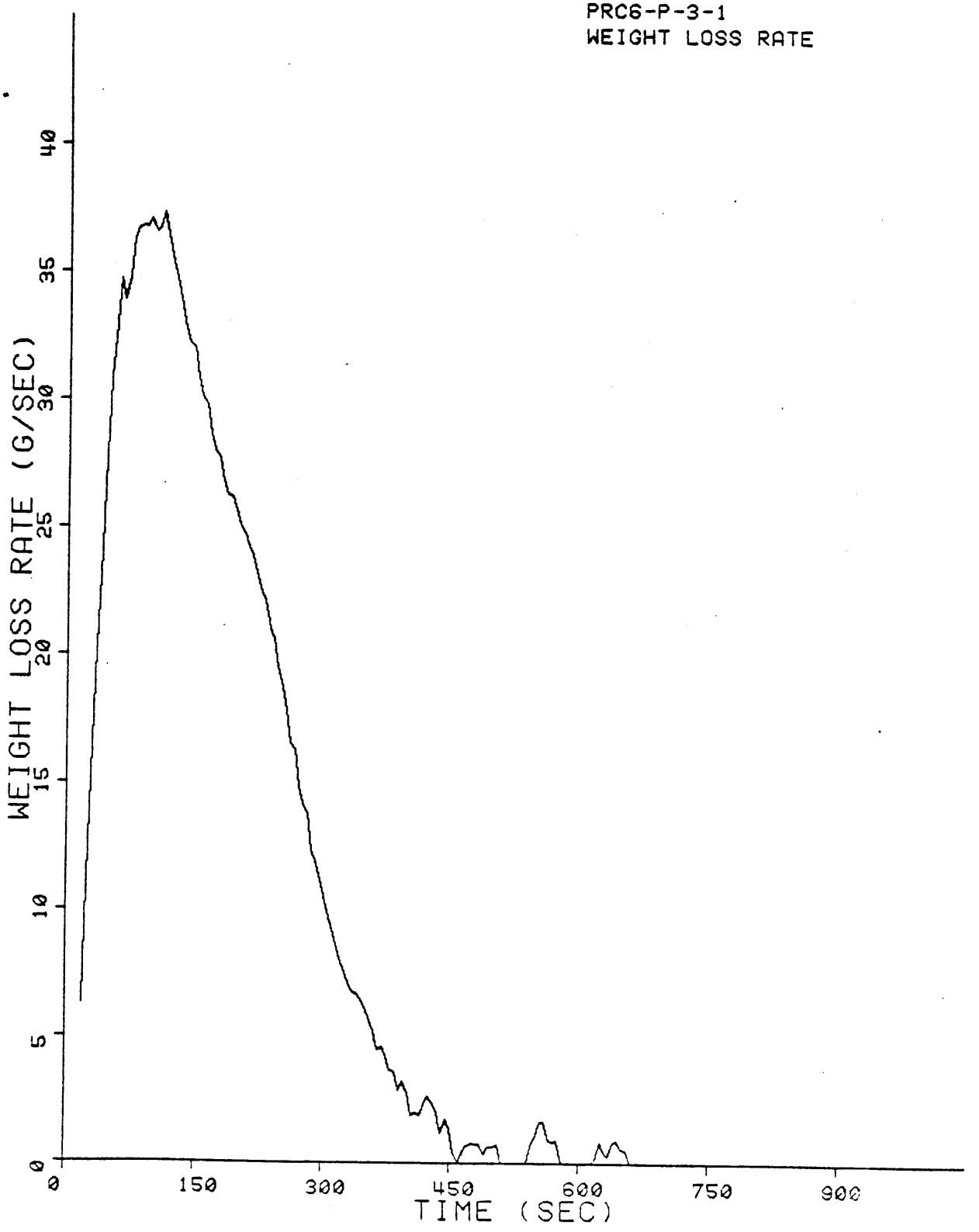

PRC2-W-3-1
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
5
10
15
20
25
30
35
40
0
150
300
450
600
750
900
TIME (SEC)

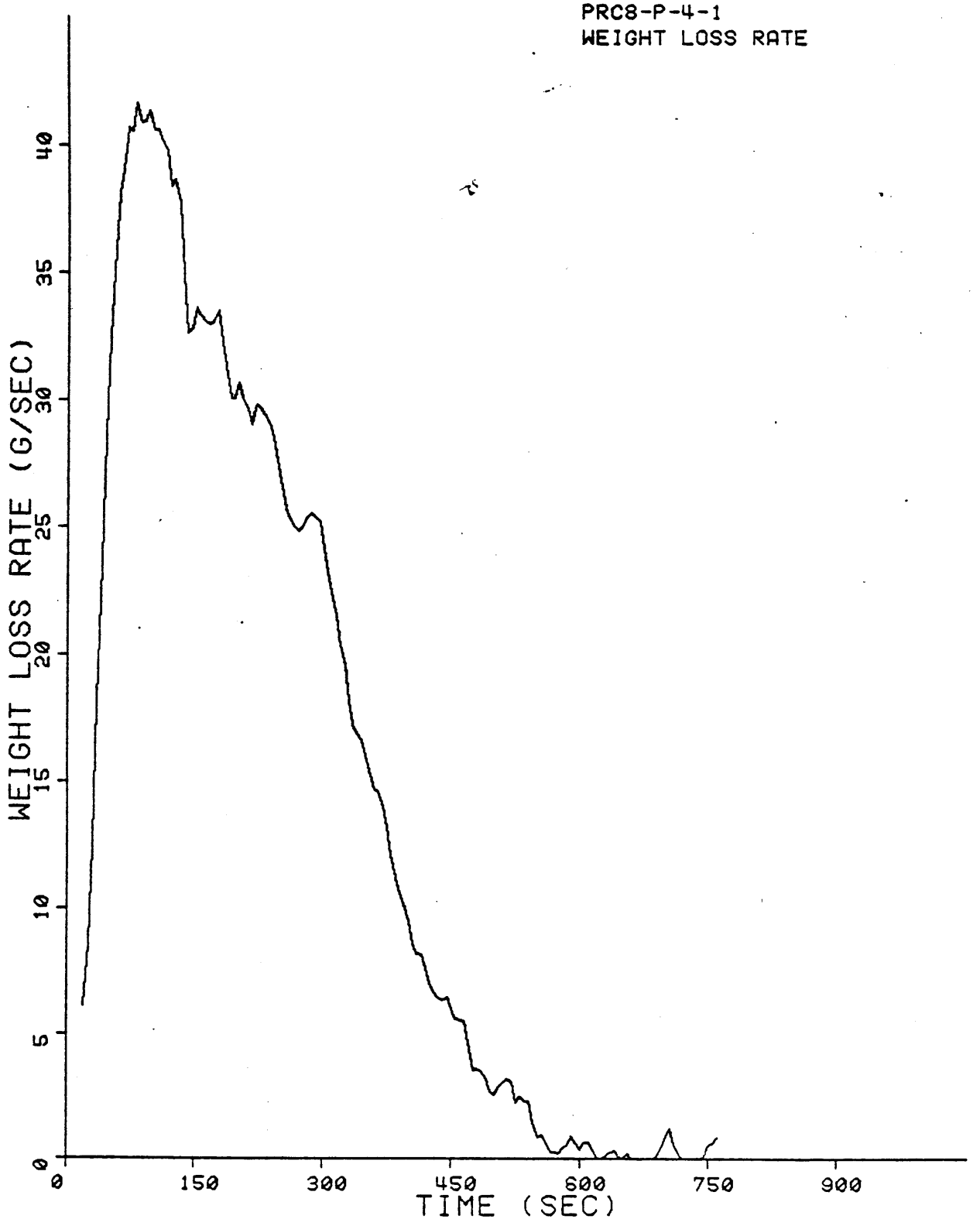

PRC7-W-4-1
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
5
10
15
20
25
30
35
40
0
150
300
450
600
750
900
TIME (SEC)

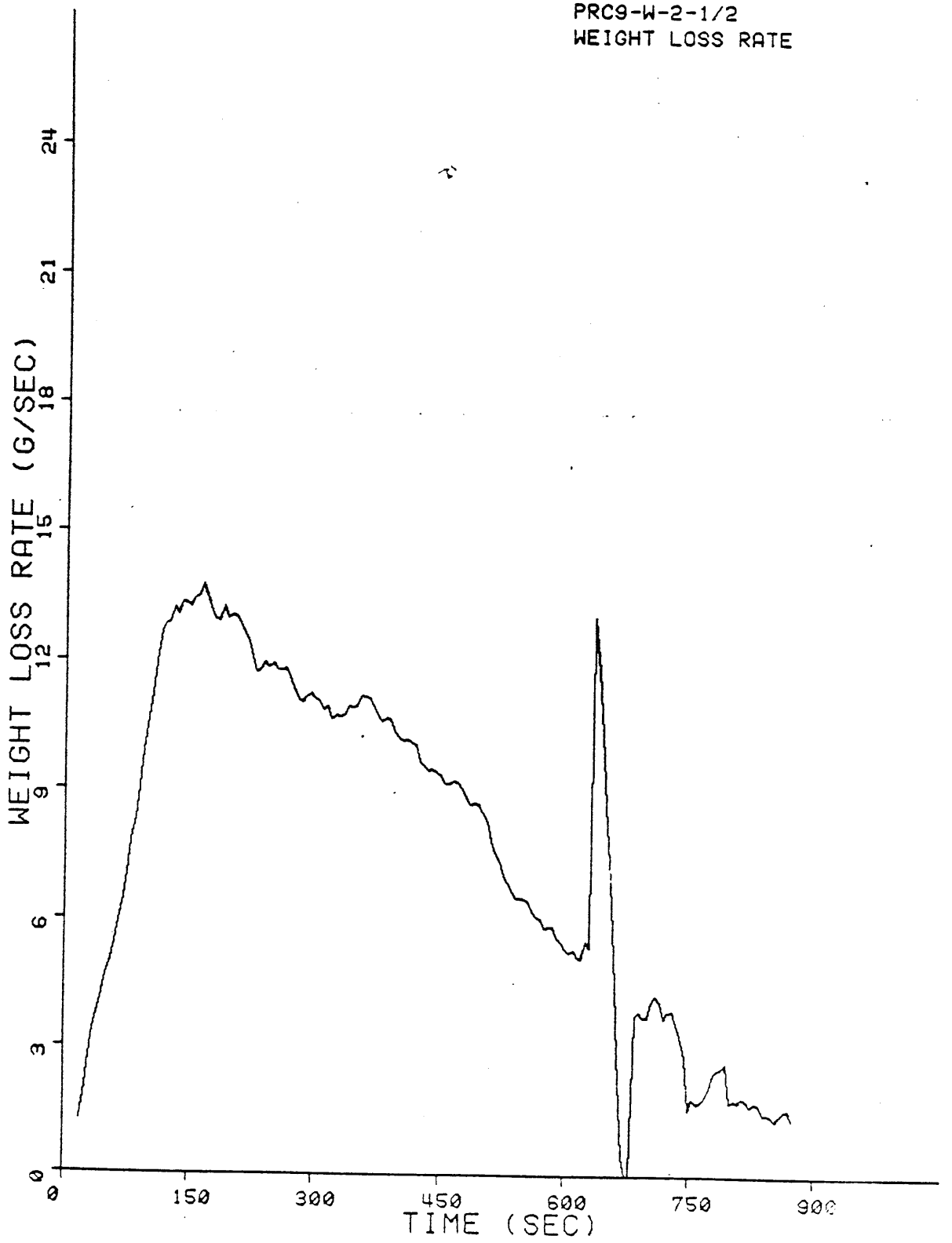

PRC1-P-1-1
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
1
2
3
4
5
6
7
8
0
150
300
450
600
750
900
TIME (SEC)

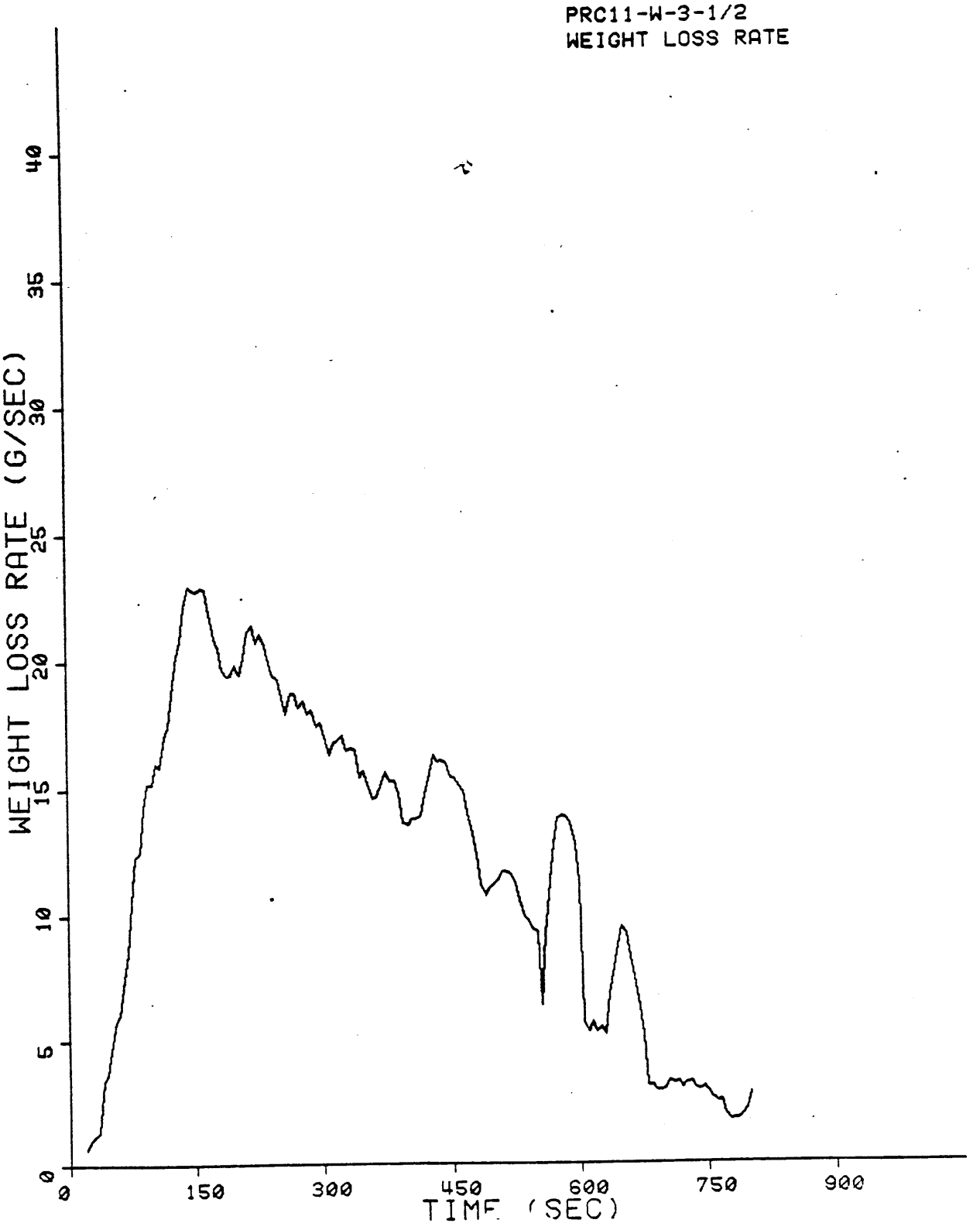

PRC4-P-2-1
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
3
6
9
12
15
18
21
24
0
150
300
450
600
750
900
TIME (SEC)

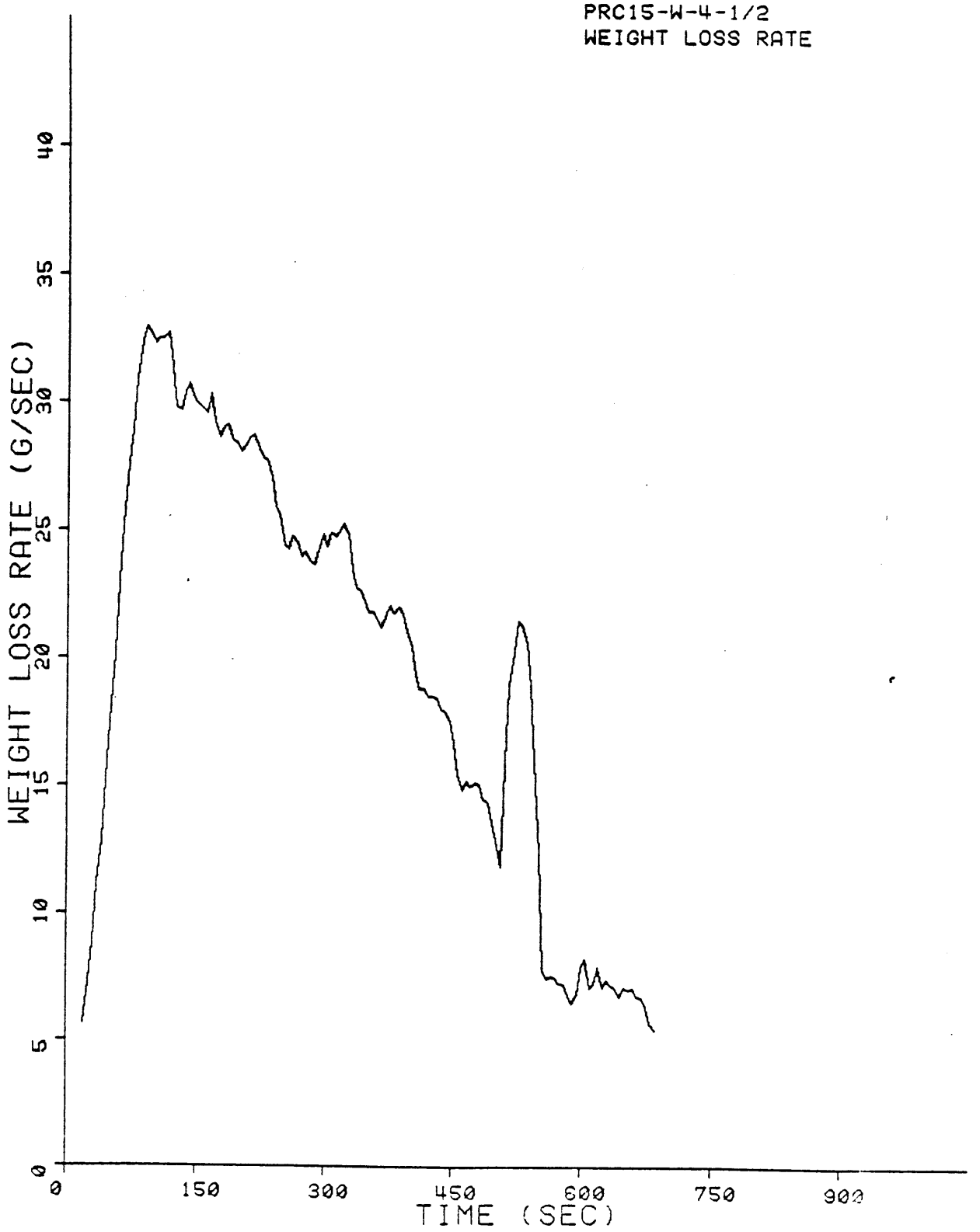
PRC6-P-3-1
WEIGHT LOSS RATE

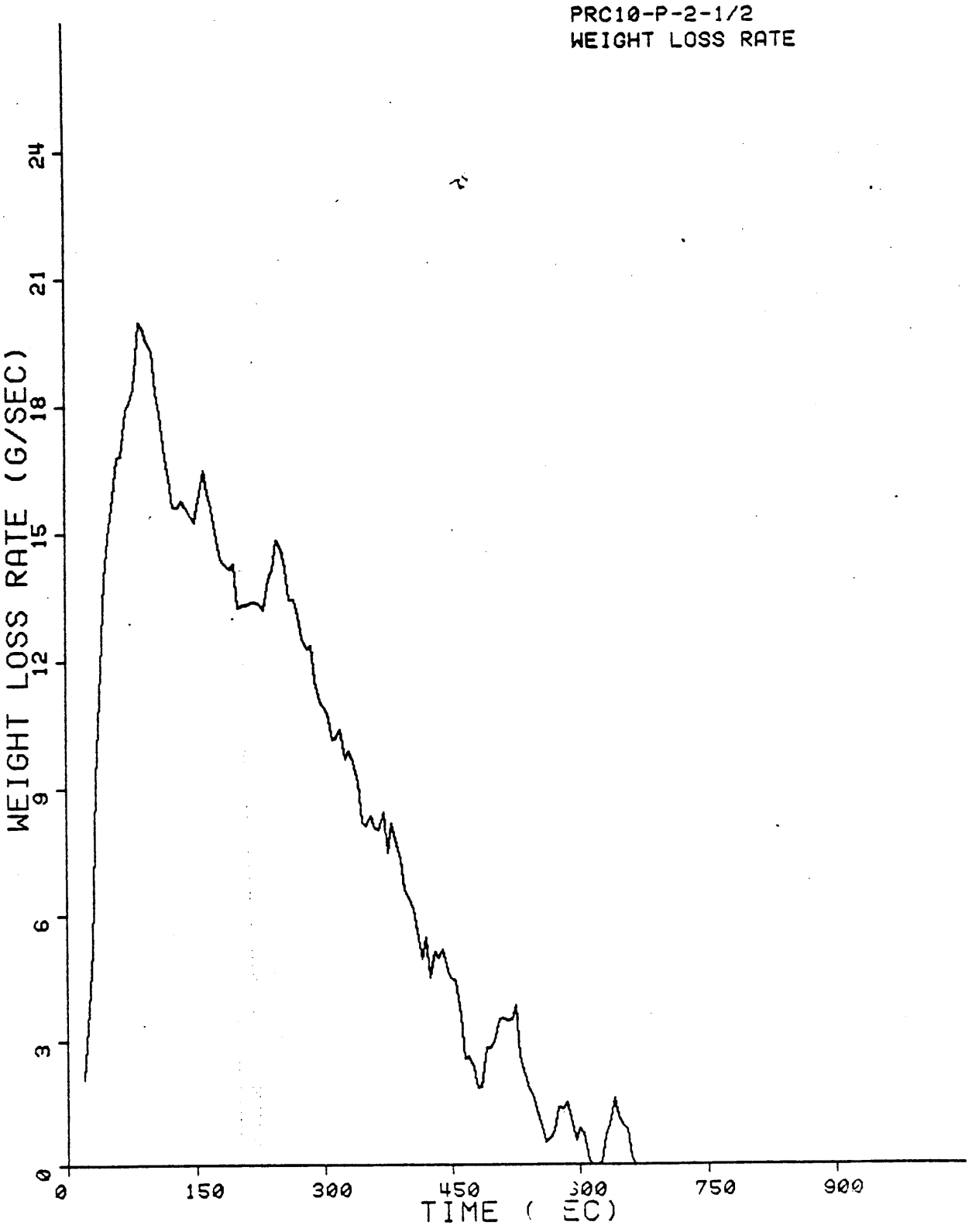


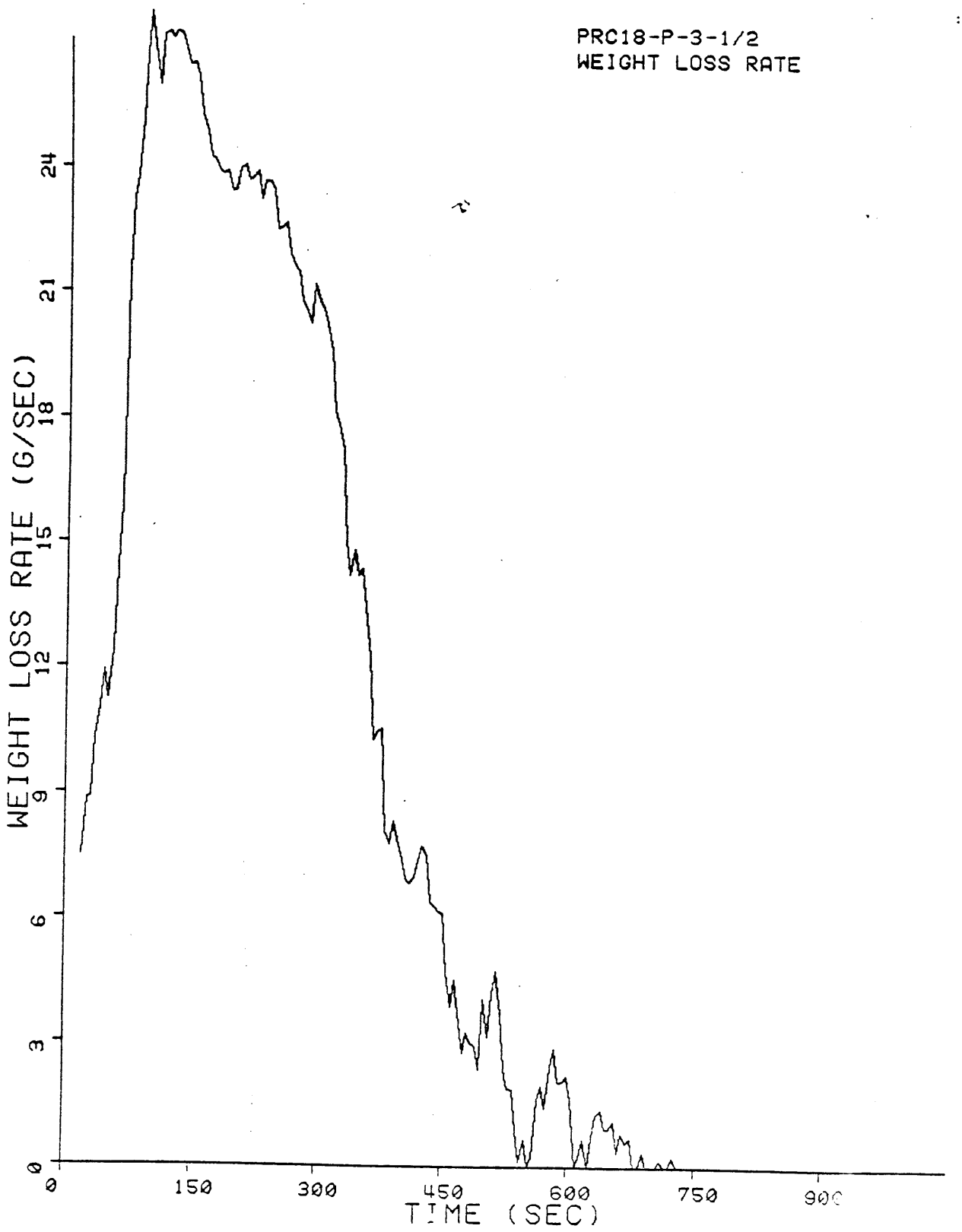

PRC8-P-4-1
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
5
10
15
20
25
30
35
40
0
150
300
450
600
750
900
TIME (SEC)

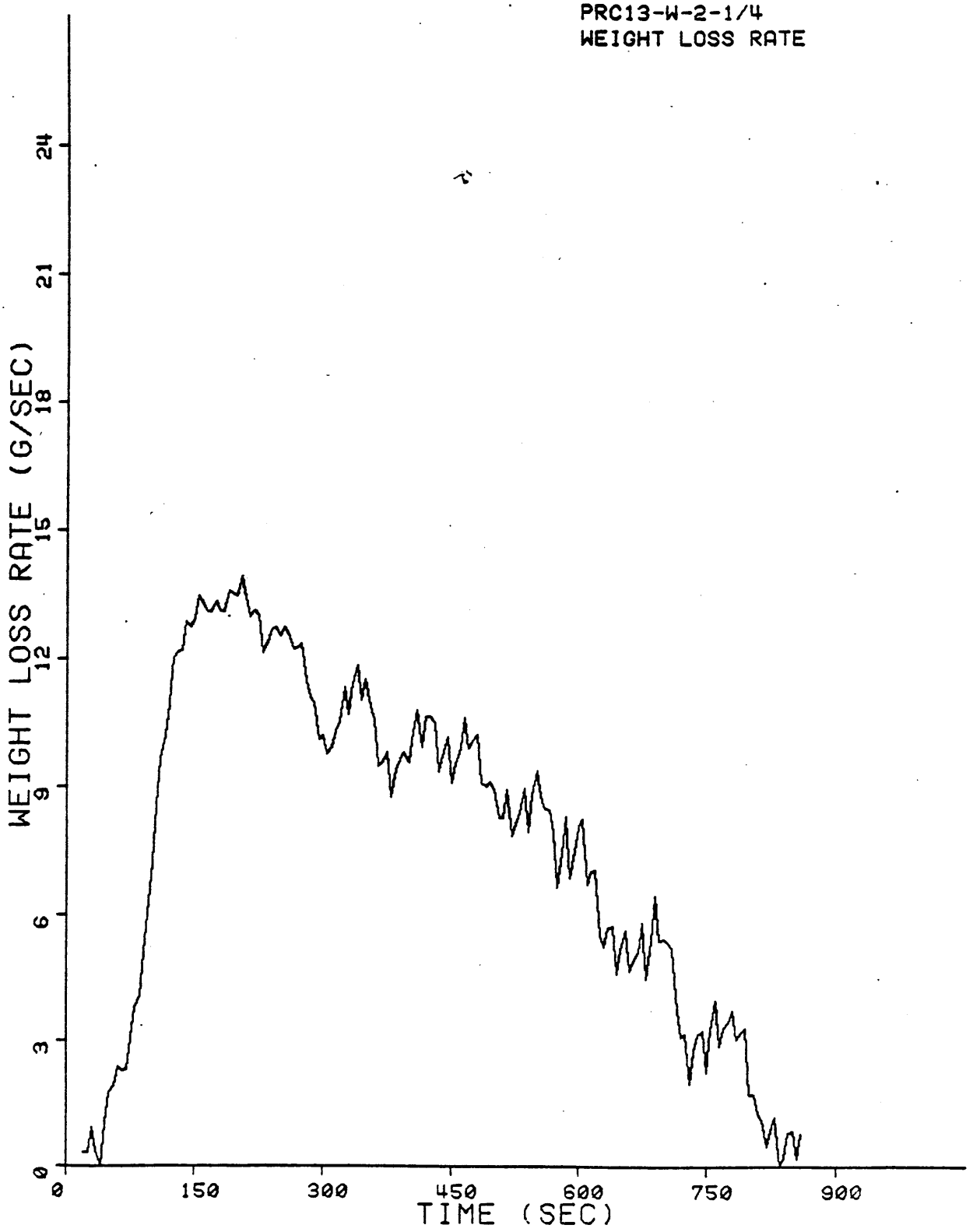

PRC9-W-2-1/2
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
3
6
9
12
15
18
21
24
0
150
300
450
600
750
900
TIME (SEC)

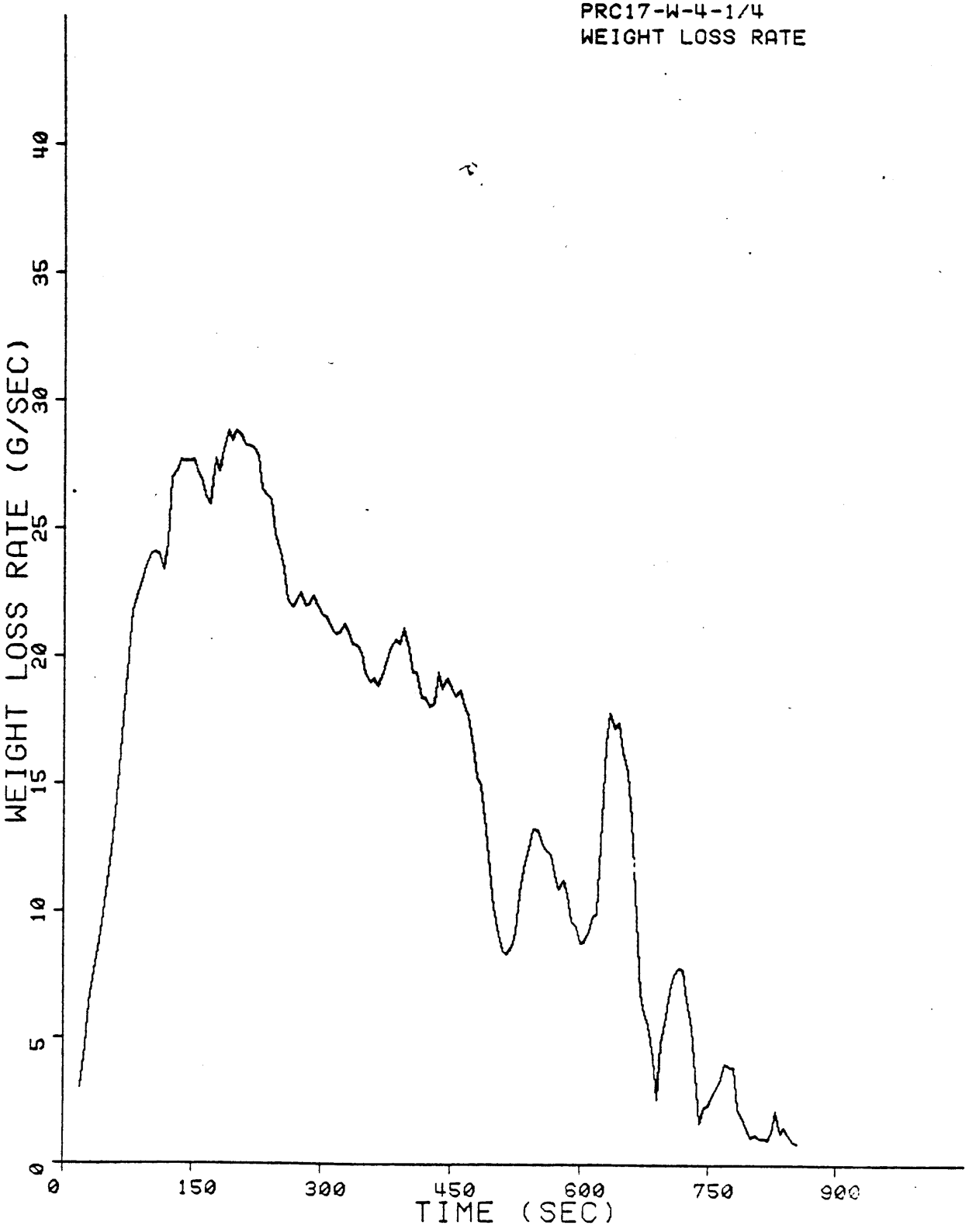

PRC11-W-3-1/2
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
5
10
15
20
25
30
35
40
0
150
300
450
600
750
900
TIME (SEC)

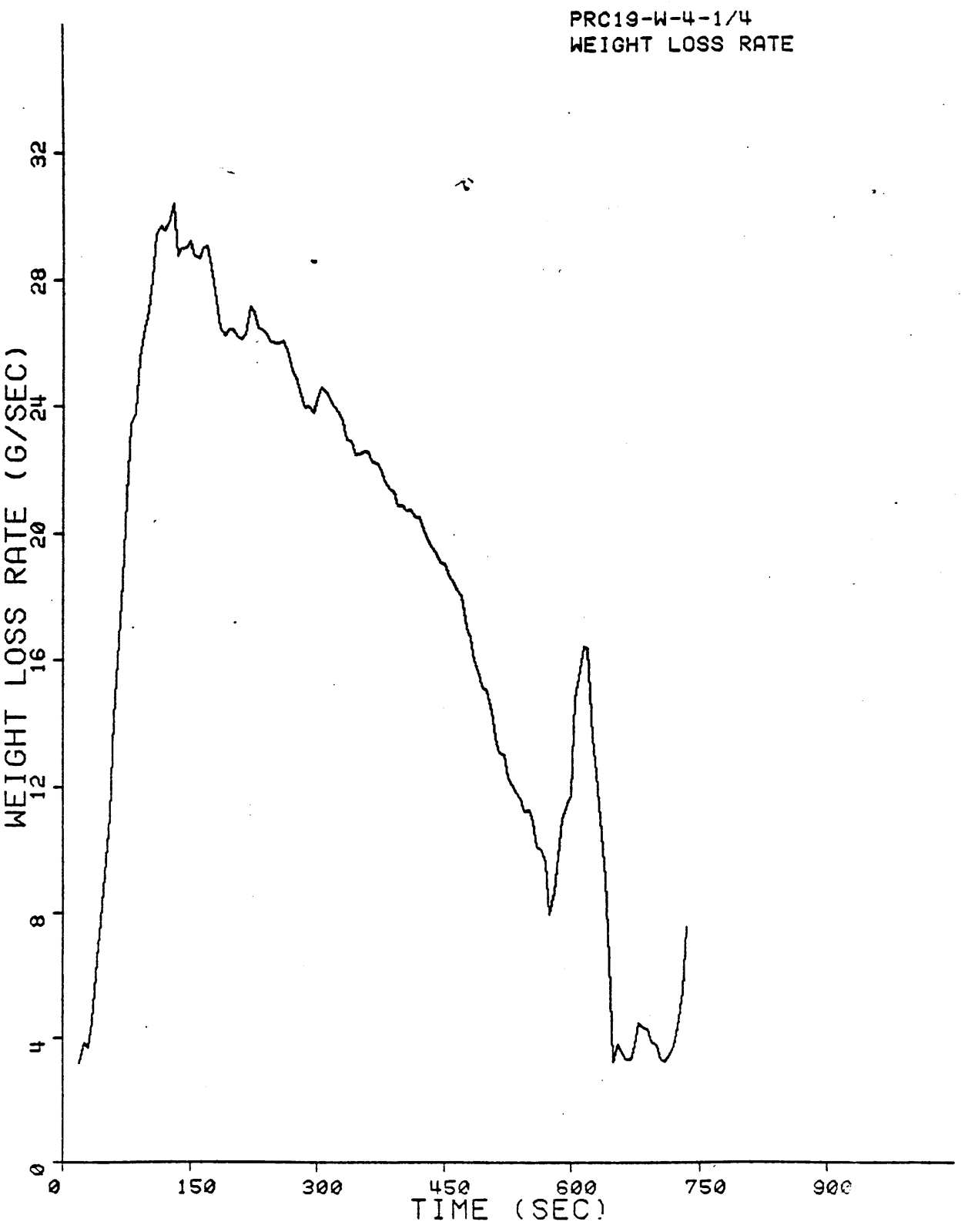

PRC15-W-4-1/2
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
5
10
15
20
25
30
35
40
0
150
300
450
600
750
900
TIME (SEC)

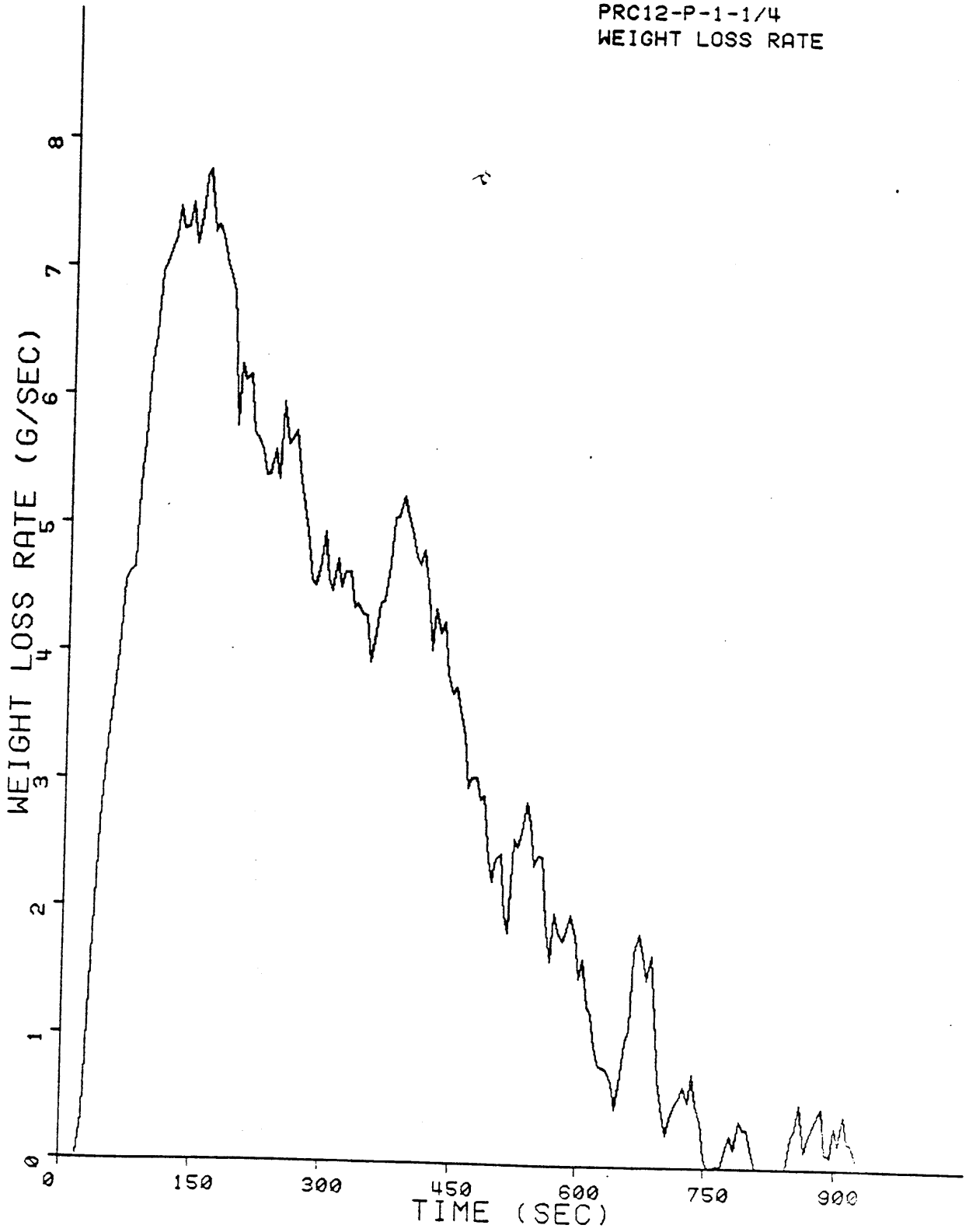

PRC10-P-2-1/2
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
3
6
9
12
15
18
21
24
0
150
300
450
600
750
900
TIME (SEC)

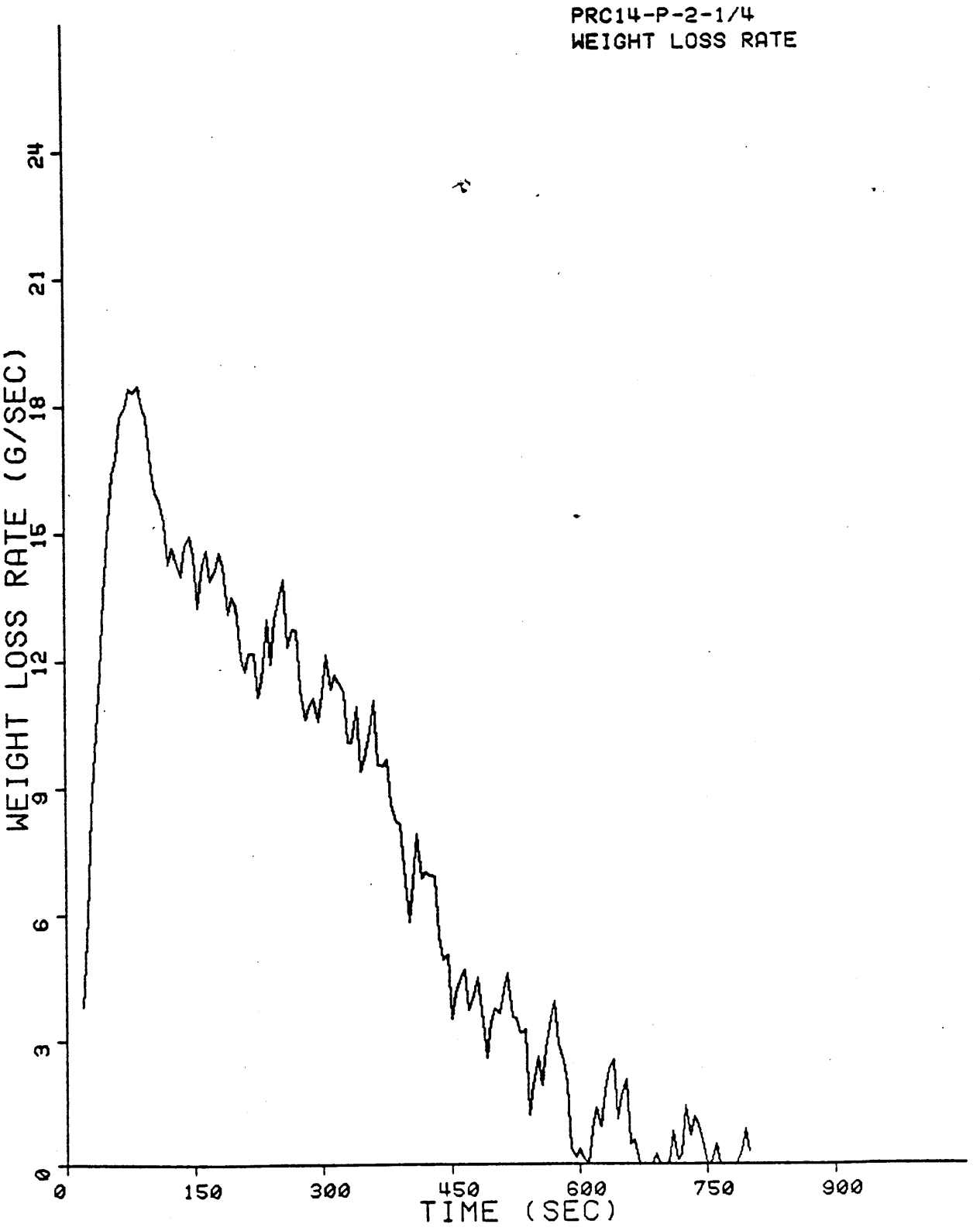

PRC18-P-3-1/2
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
3
6
9
12
15
18
21
24
0
150
300
450
600
750
900
TIME (SEC)

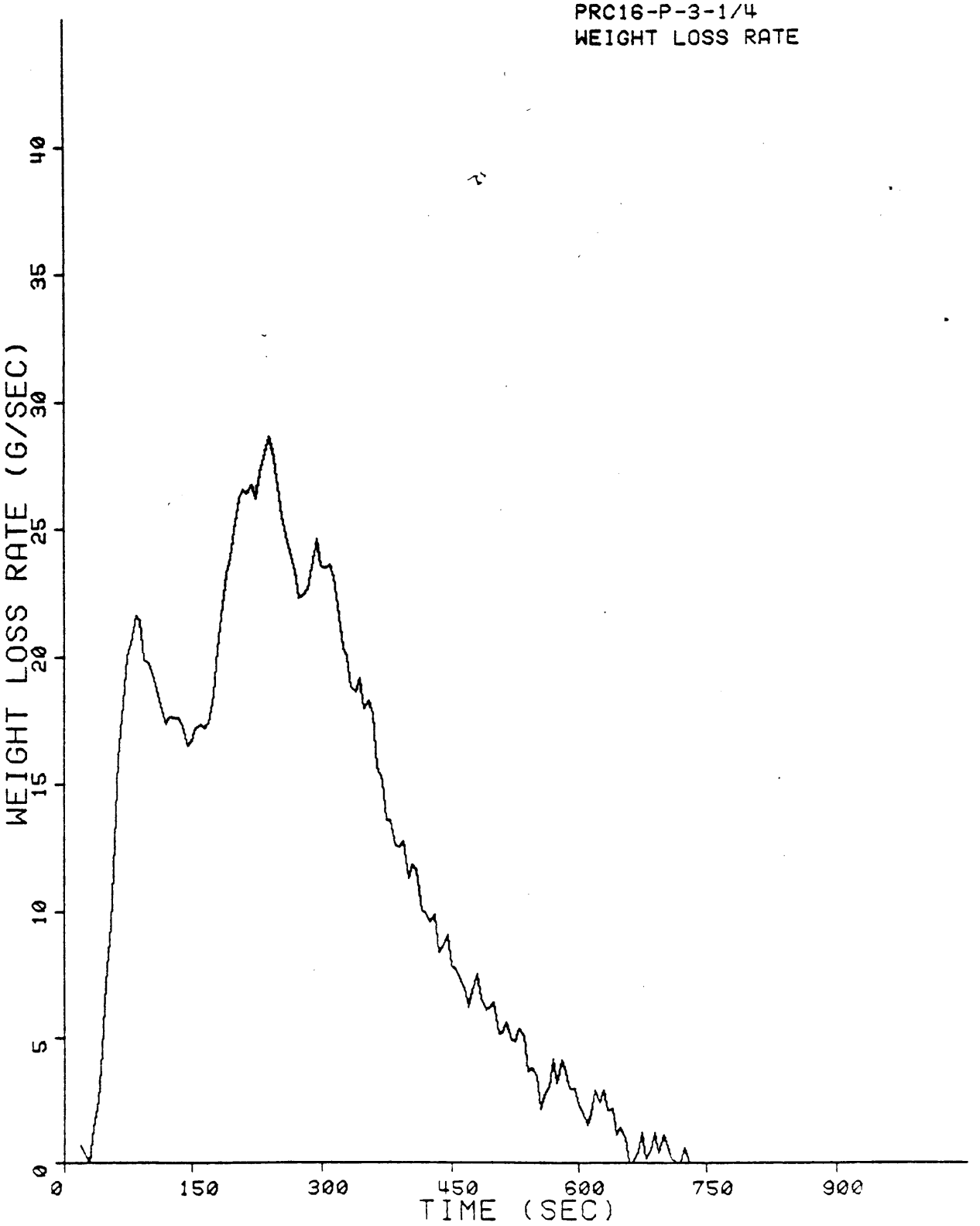

PRC13-W-2-1/4
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
3
6
9
12
15
18
21
24
0
150
300
450
600
750
900
TIME (SEC)

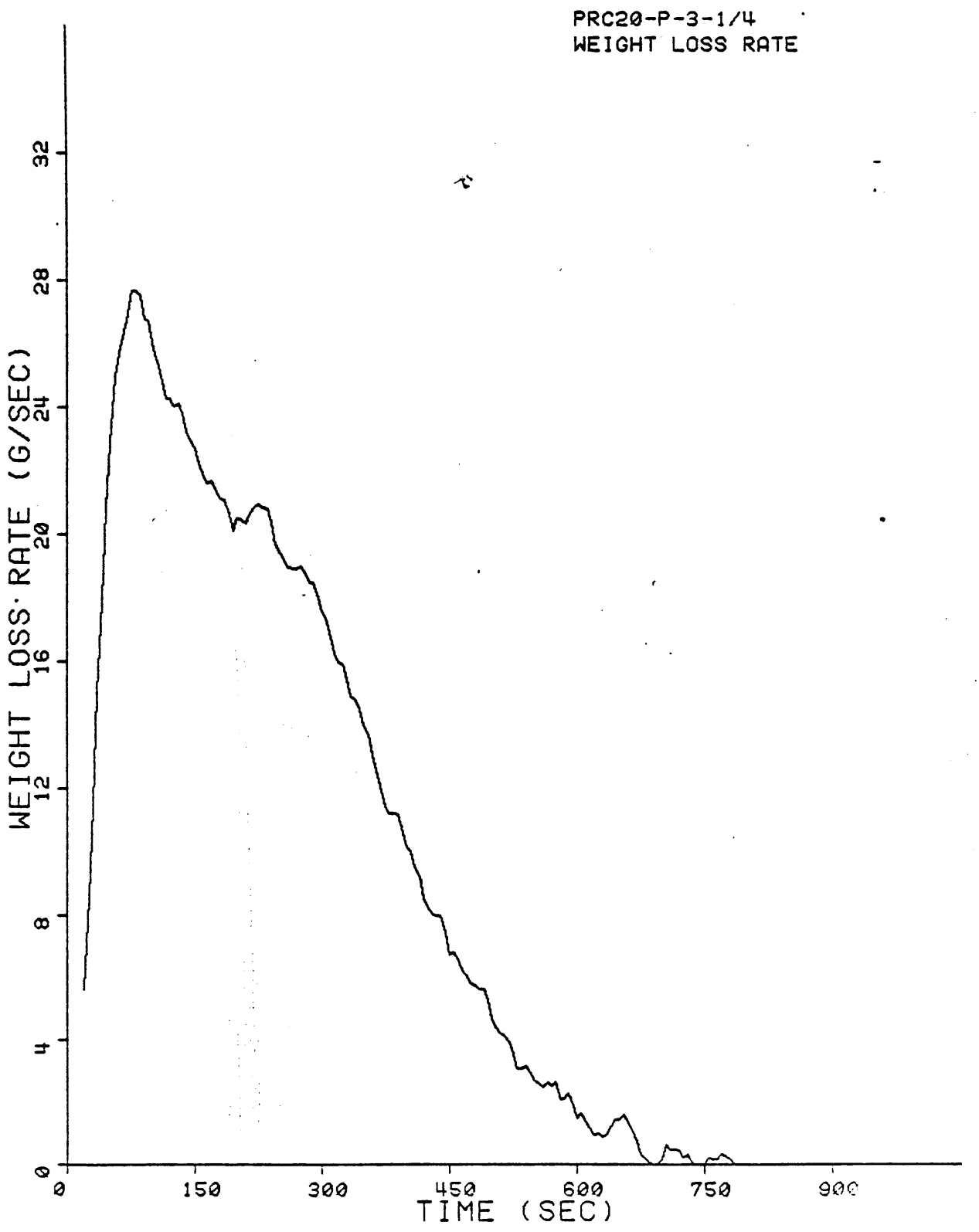

PRC17-W-4-1/4
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
5
10
15
20
25
30
35
40
0
150
300
450
600
750
900
TIME (SEC)


PRC19-W-4-1/4
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
4
8
12
16
20
24
28
32
0
150
300
450
600
750
900
TIME (SEC)


PRC12-P-1-1/4
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
1
2
3
4
5
6
7
8
0
150
300
450
600
750
900
TIME (SEC)

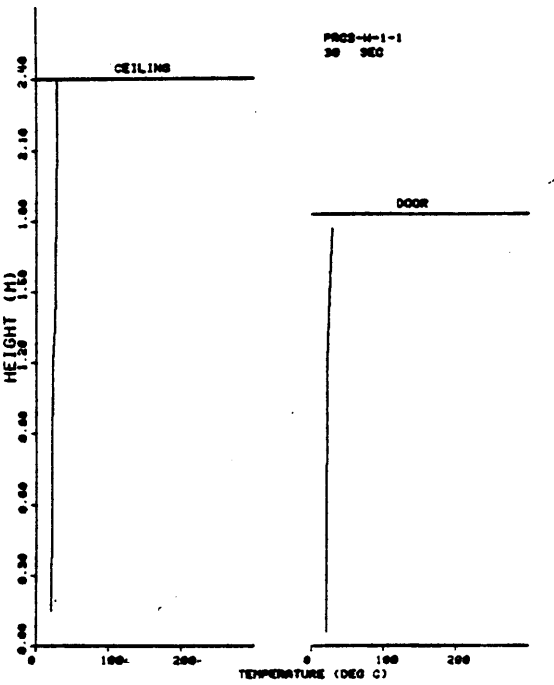

PRC14-P-2-1/4
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
3
6
9
12
15
18
21
24
0
150
300
450
600
750
900
TIME (SEC)

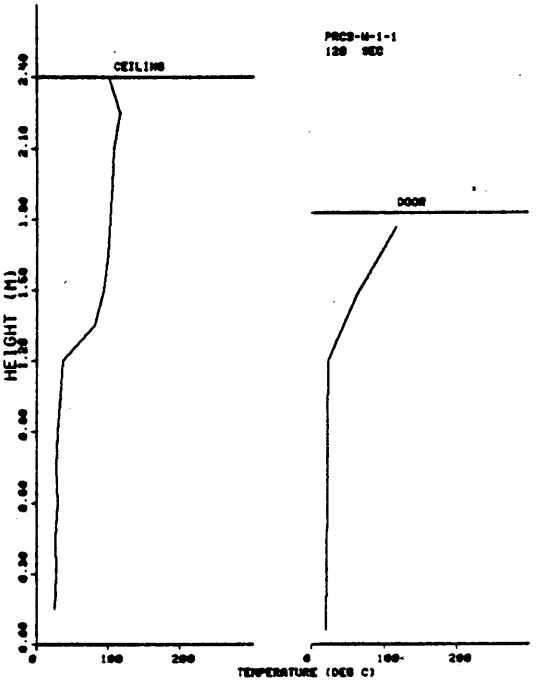

PRC16-P-3-1/4
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
5
10
15
20
25
30
35
40
0
150
300
450
600
750
900
TIME (SEC)

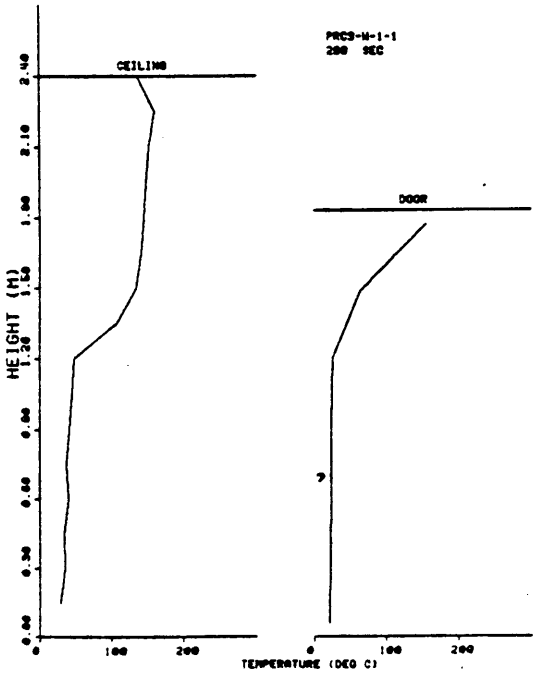

PRC20-P-3-1/4
WEIGHT LOSS RATE
WEIGHT LOSS RATE (G/SEC)
0
4
8
12
16
20
24
28
32
0
150
300
450
600
750
900
TIME (SEC)

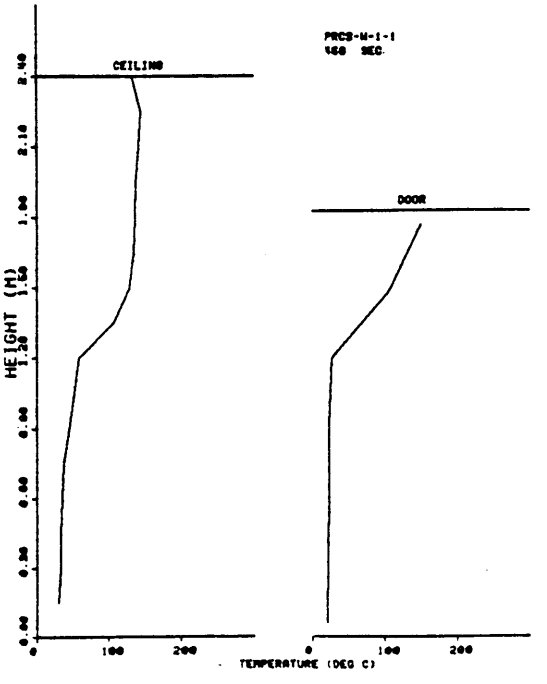
6. ROOM AND DOORWAY GAS TEMPERATURE PROFILES (T)

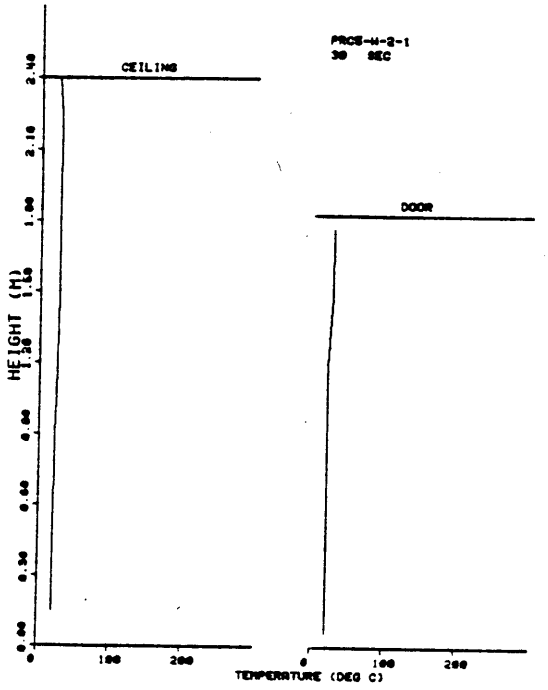
A sequence of room and doorway temperature profiles is shown in figures 6-1 to 6-20. In each figure the time sequence of profiles is shown for 30 seconds after ignition, the start of the average peak burning period, its midpoint, and its end. The plotted curves connect the data points, which have not been shown explicitly. The distinguishing features of the profiles are their shape and magnitude during the peak burning period. The depth of the heated gases within the room is much lower for the smaller doorway cases and stratification is stronger there. The "Star" data point in tests PRC 9 through PRC 20 indicates the true gas temperature measured by the aspirated probe at that point. A significant result is that the maximum doorway temperature is lower in each case than the maximum temperature in the room. This is probably due to heat loss from the gases flowing between the two measuring stations. Thus a unique upper and lower room gas temperature is an idealization. Yet this concept is useful in analyzing room fire data and in predicting fire behavior from zone models. However, there will always be some inconsistency between measured room temperatures and those temperatures predicted by zone models.

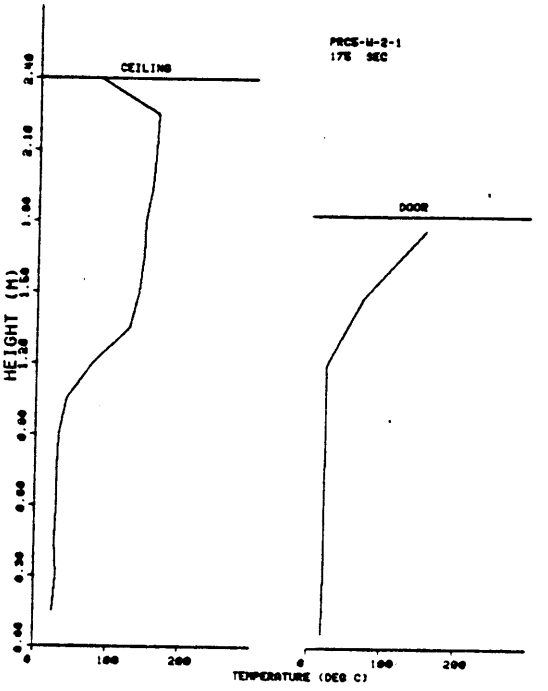

PRCS-M-1-1
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

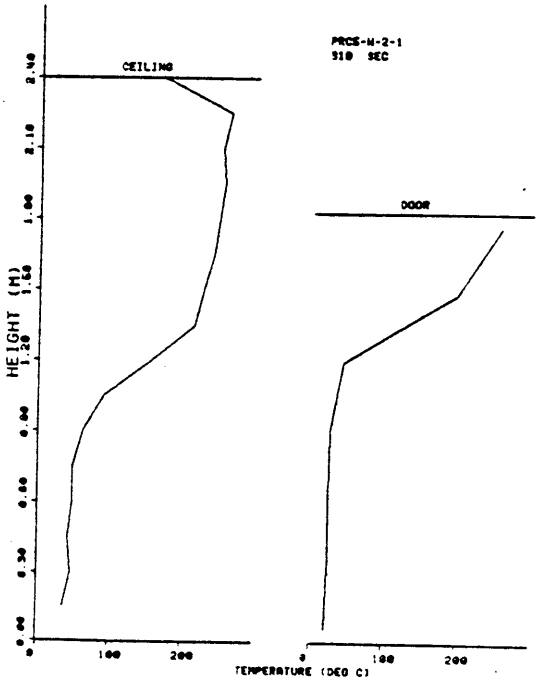

PRCS-M-1-1
120 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

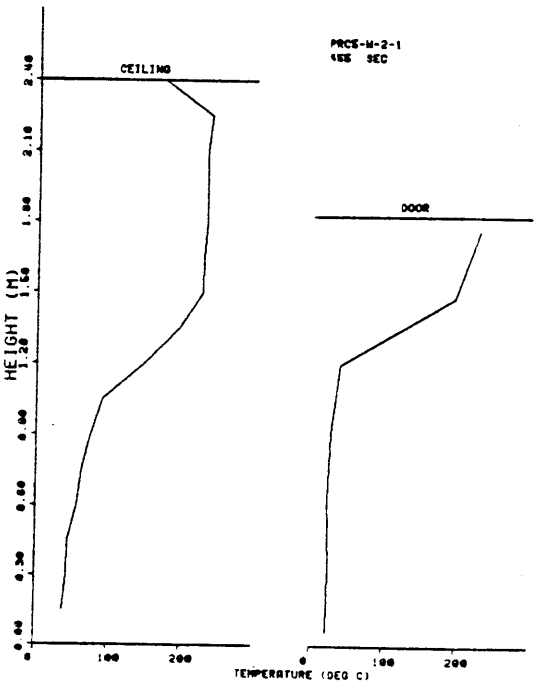

PRCS-M-1-1
200 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

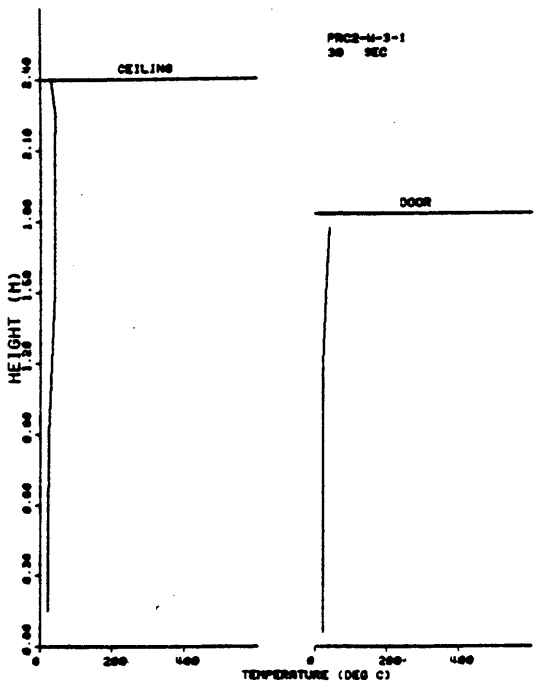

PRCS-M-1-1
160 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

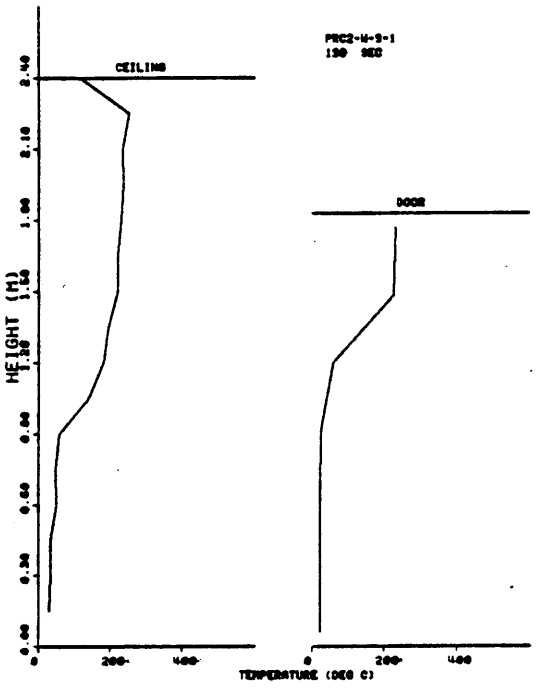

PRCS-M-2-1
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

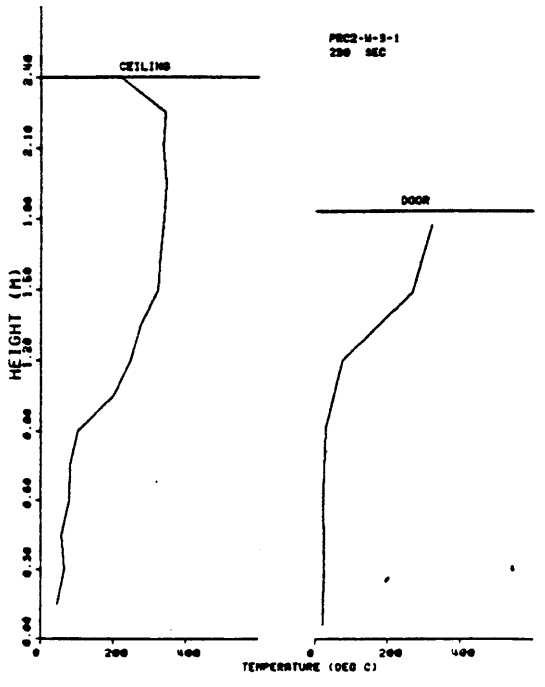

PRCS-M-2-1
175 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

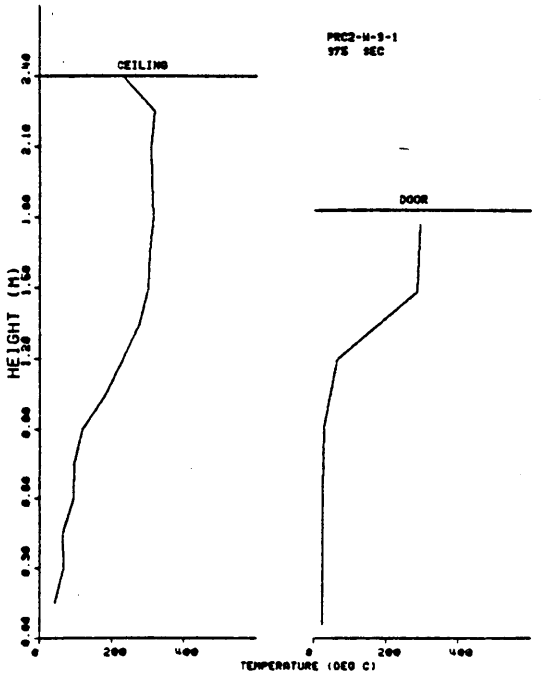

PRCS-M-2-1
910 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

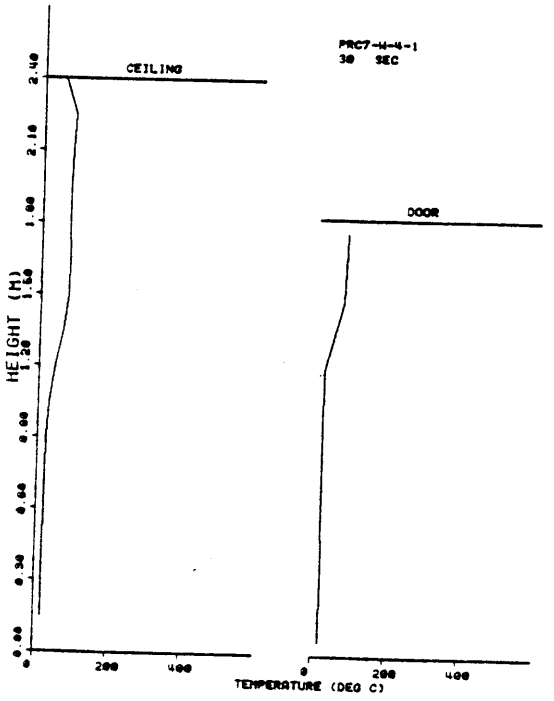

PRCS-M-2-1
455 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

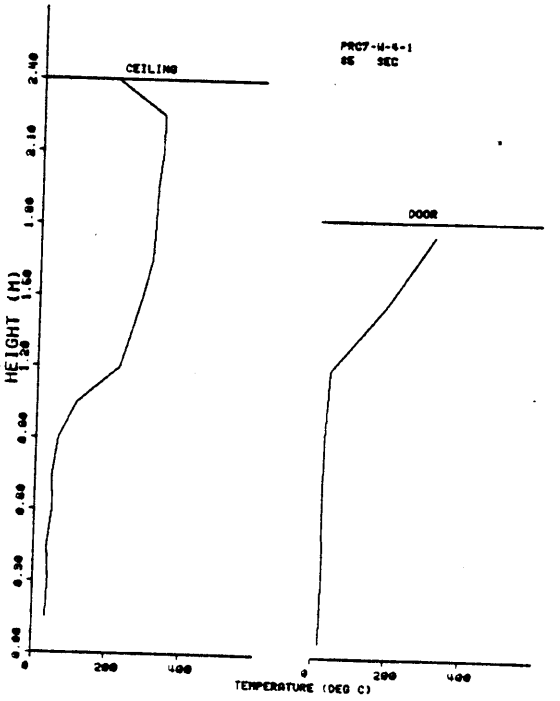

PRC2-M-9-1
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

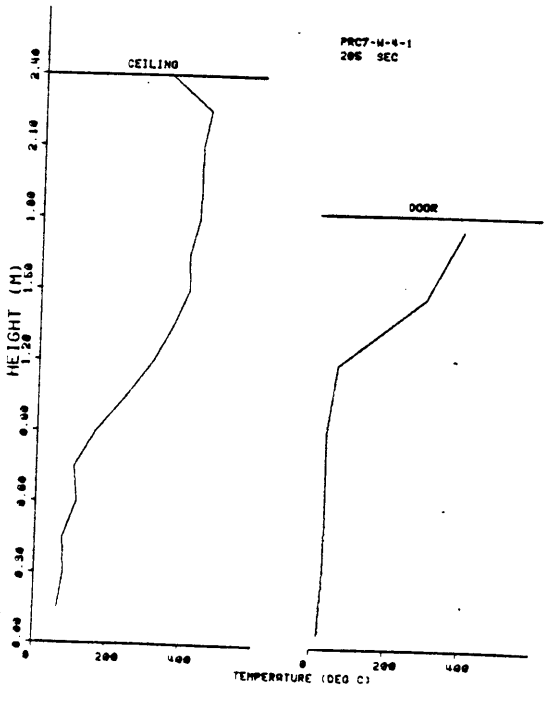

PRC2-M-9-1
130 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

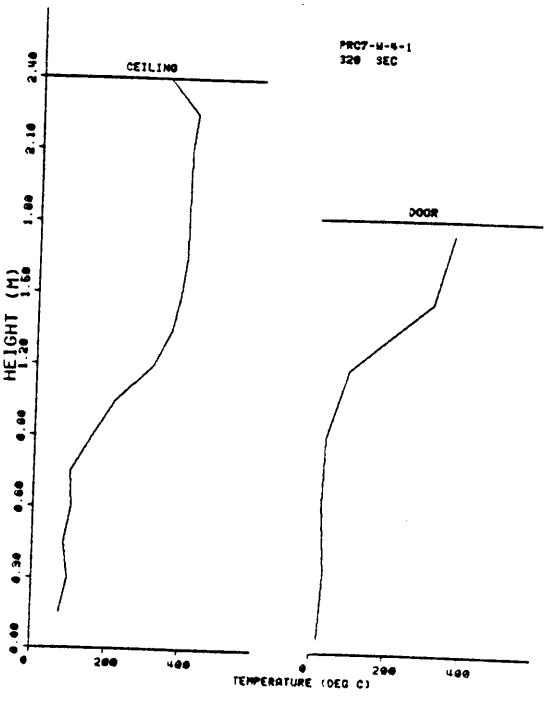

PRC2-M-9-1
230 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

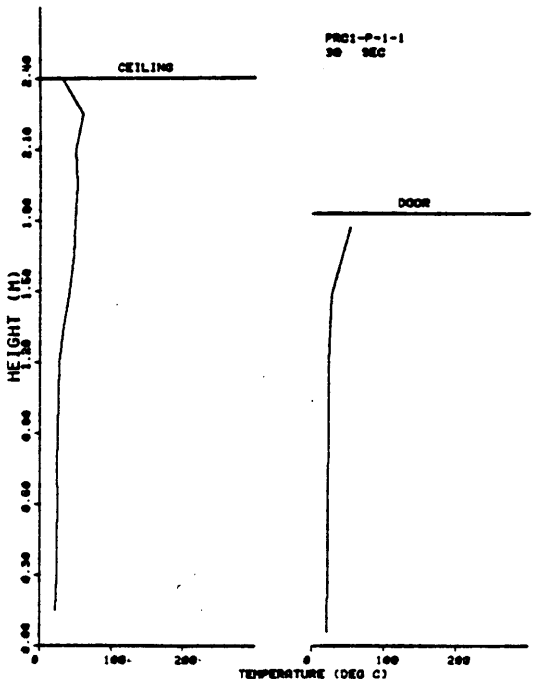

PRC2-M-9-1
975 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

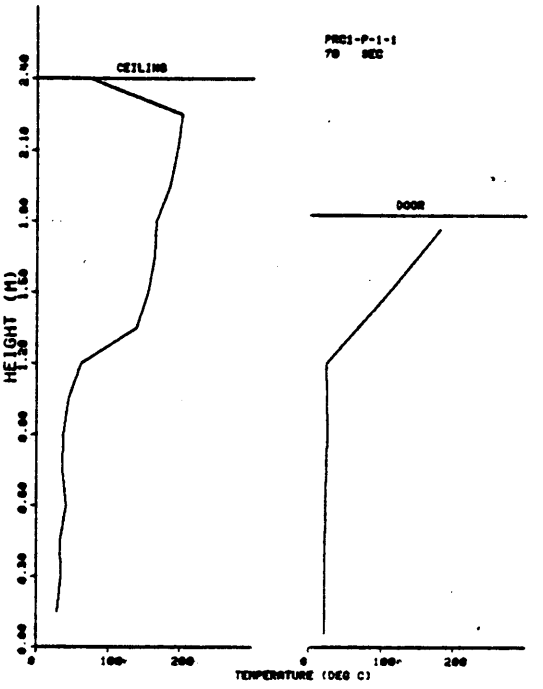

PRC7-W-6-1
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

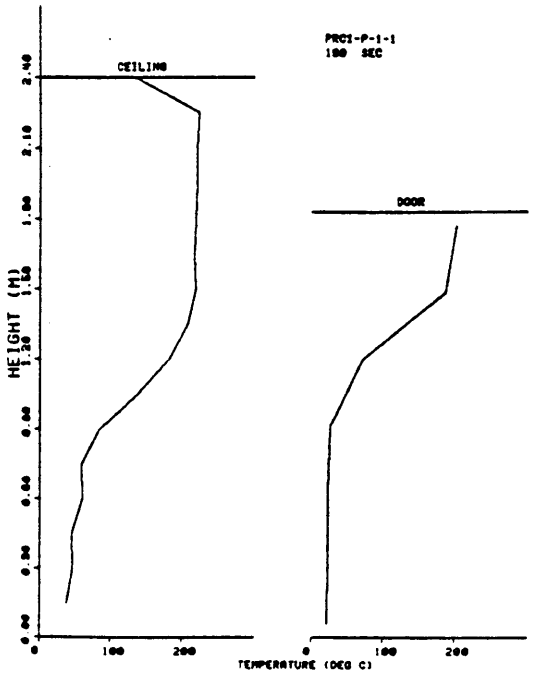

PRC7-W-6-1
65 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

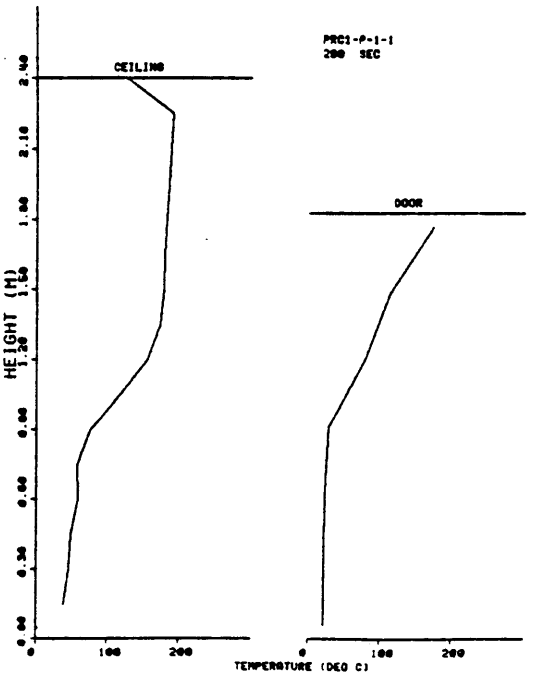

PRC7-W-6-1
205 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

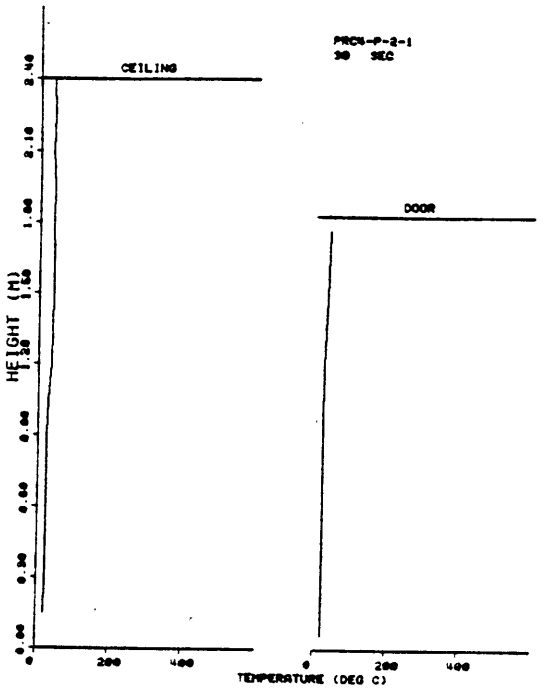

PRC7-W-6-1
320 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

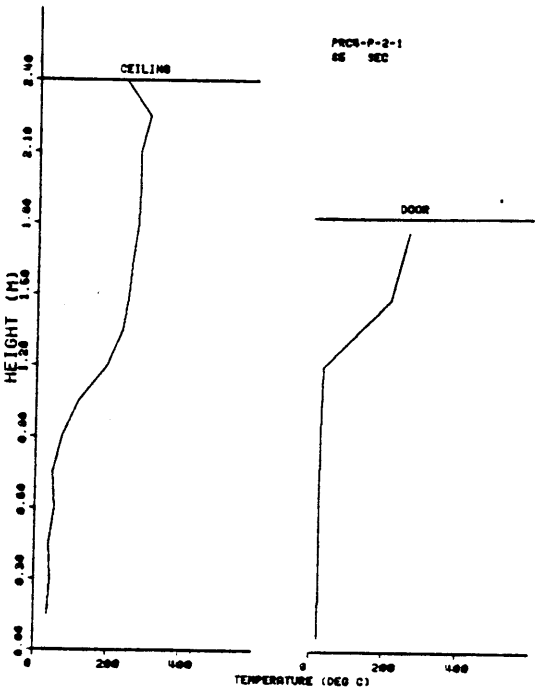

PRC1-P-1-1
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

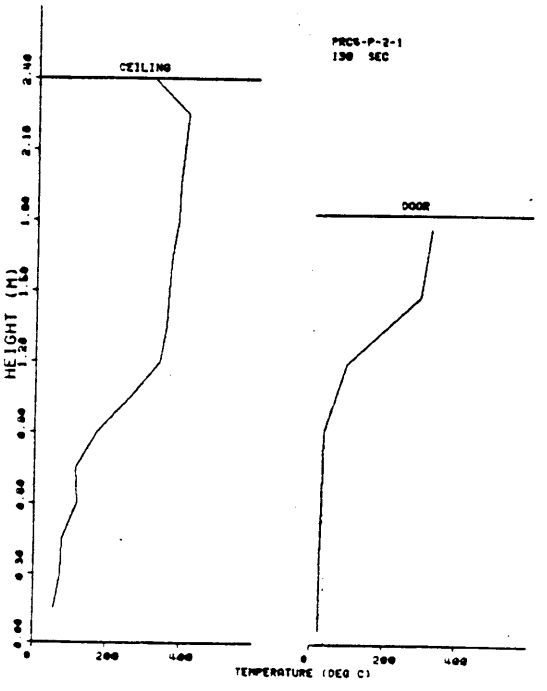

PRC1-P-1-1
70 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

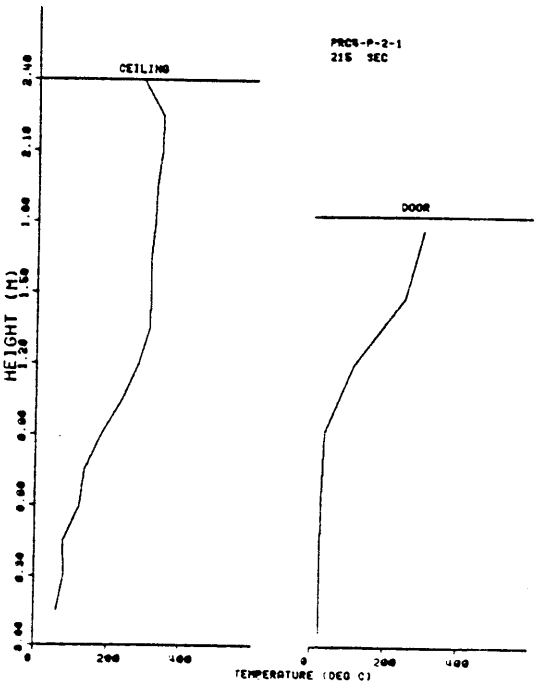

PRC1-P-1-1
100 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

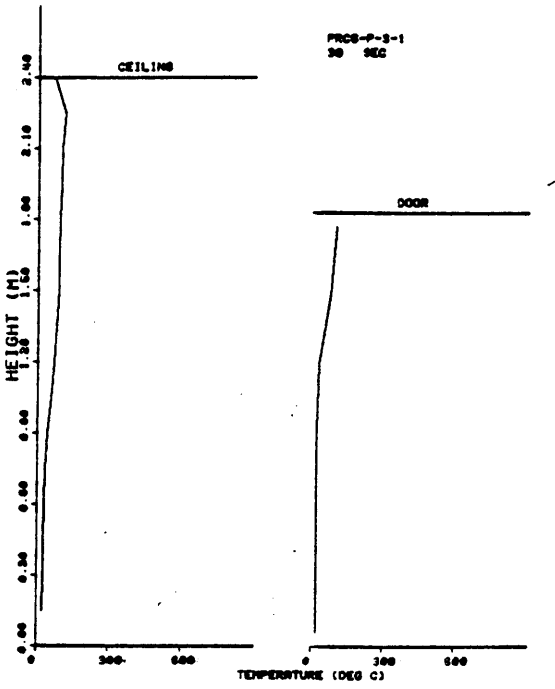

PRC1-P-1-1
200 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

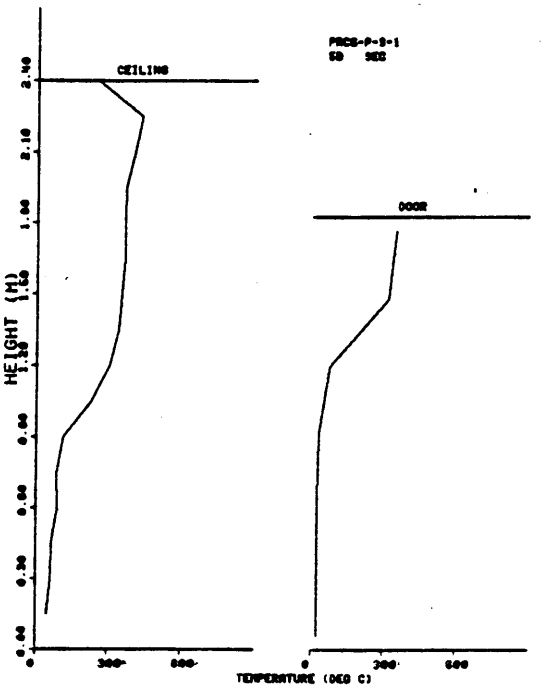

PRCS-P-2-1
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

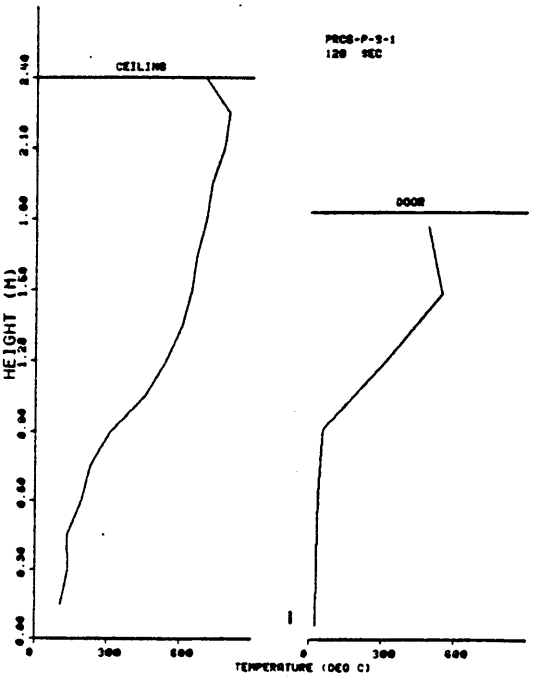

PRCS-P-2-1
65 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

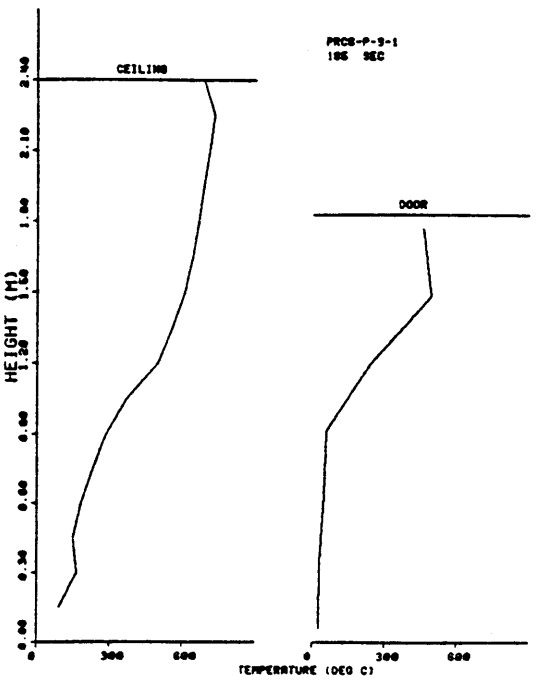

PRCS-P-2-1
130 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

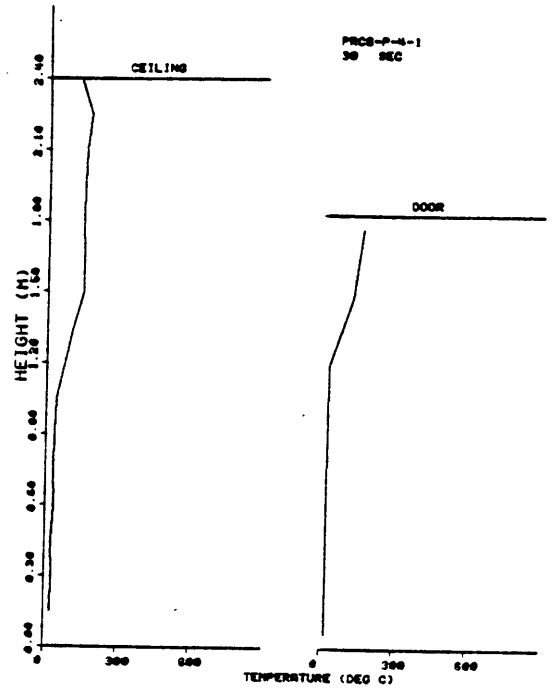

PRCS-P-2-1
215 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

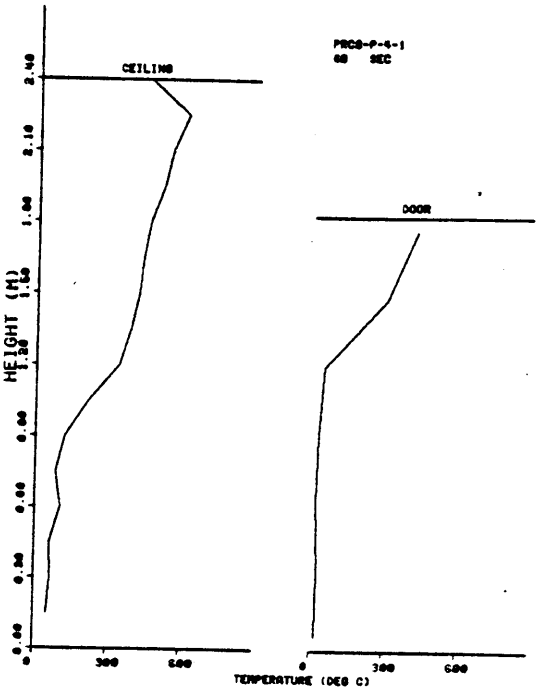

PRCS-P-S-1
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

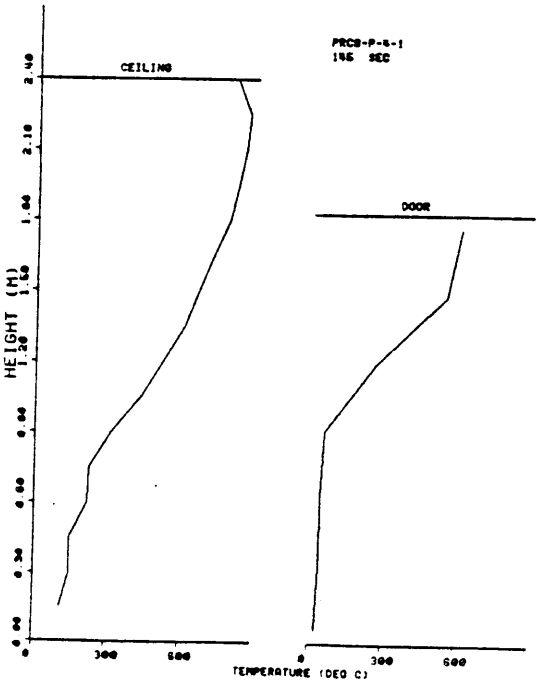

PRCS-P-S-1
60 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

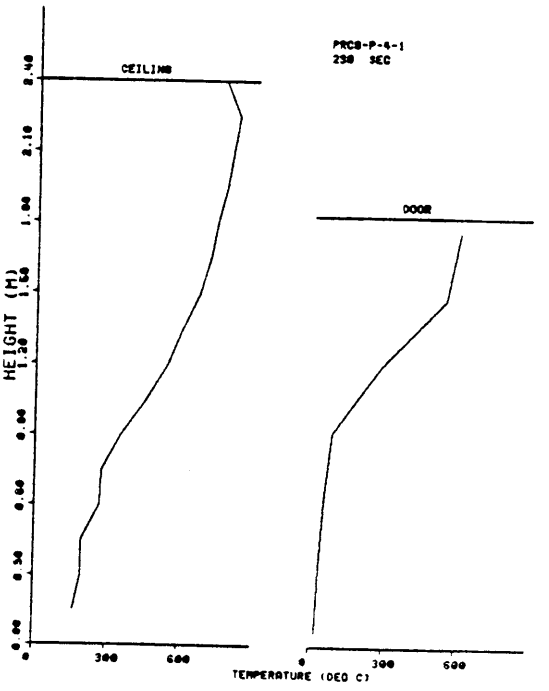

PRCS-P-S-1
120 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

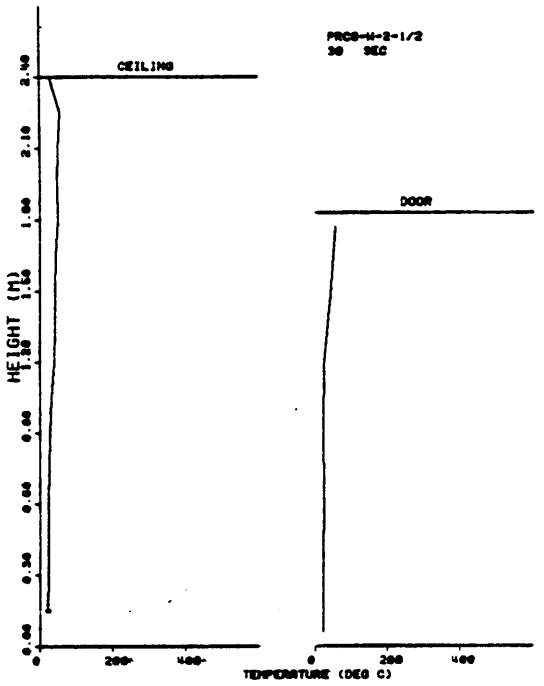

PRCS-P-S-1
185 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

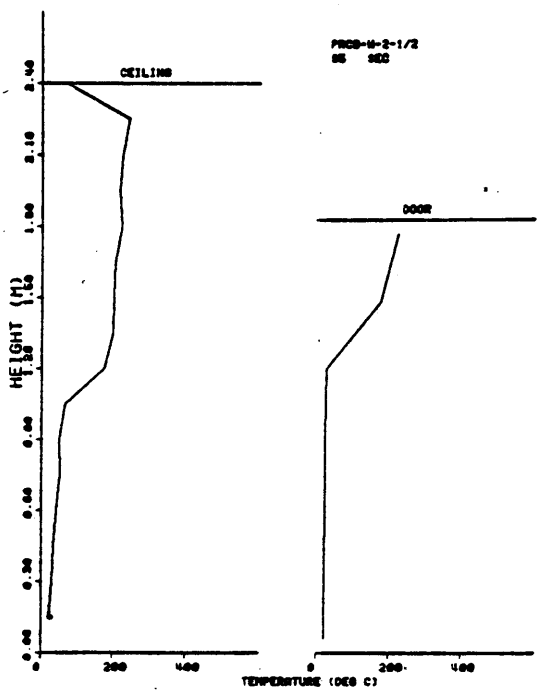

PRCS-P-4-1
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

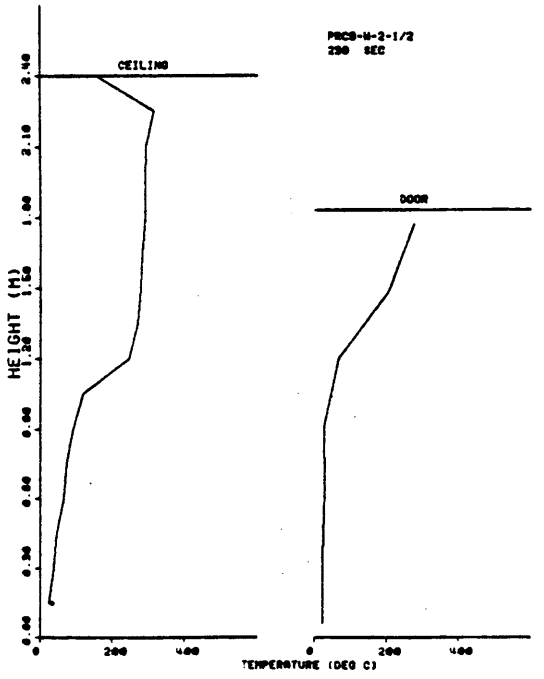

PRCS-P-4-1
60 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

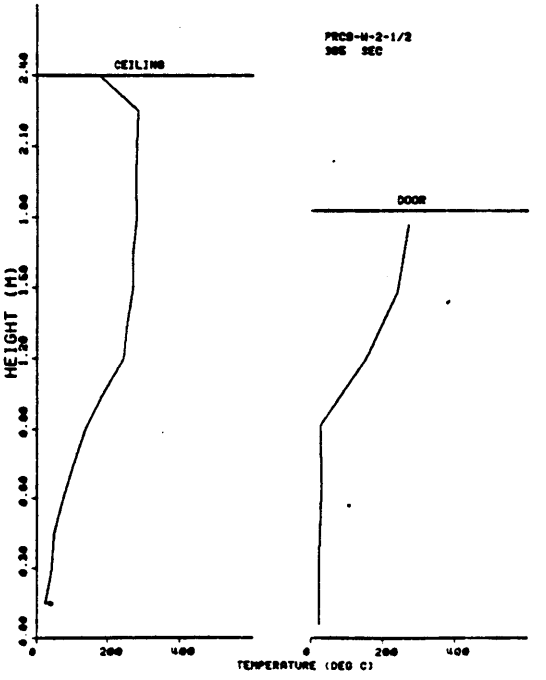

PRCS-P-4-1
145 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

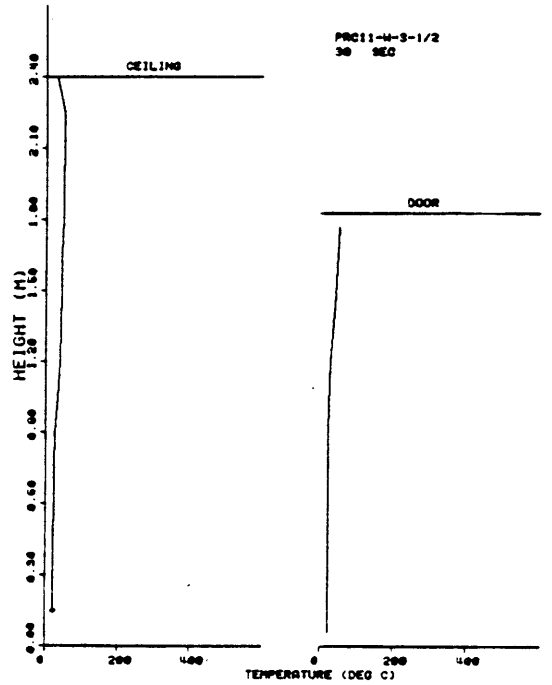

PRCS-P-4-1
230 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

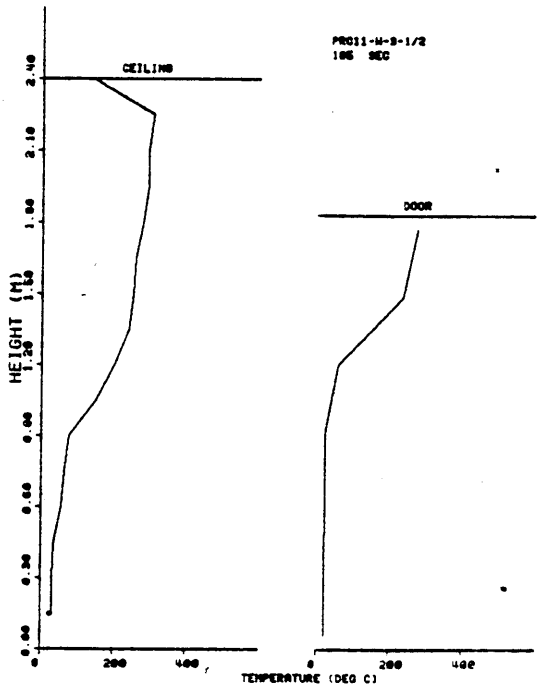

FRCS-M-2-1/2
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

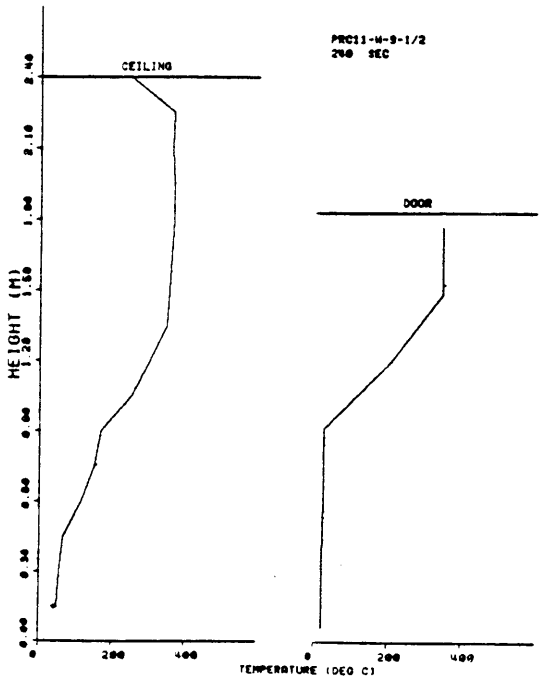

FRCS-M-2-1/2
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

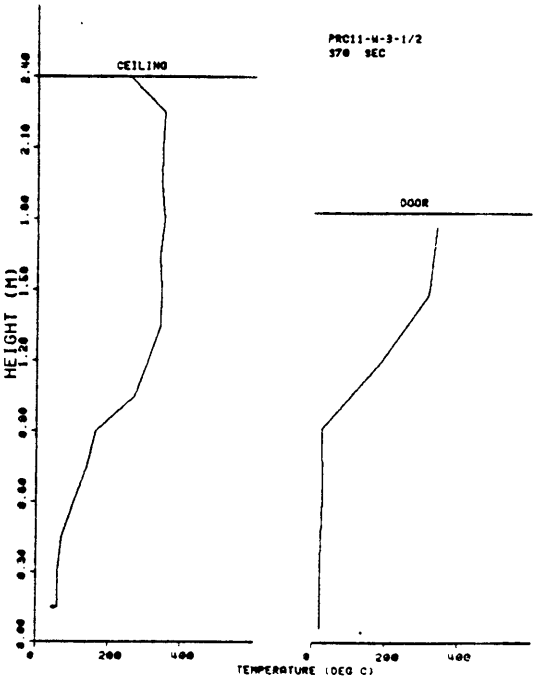

FRCS-M-2-1/2
200 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

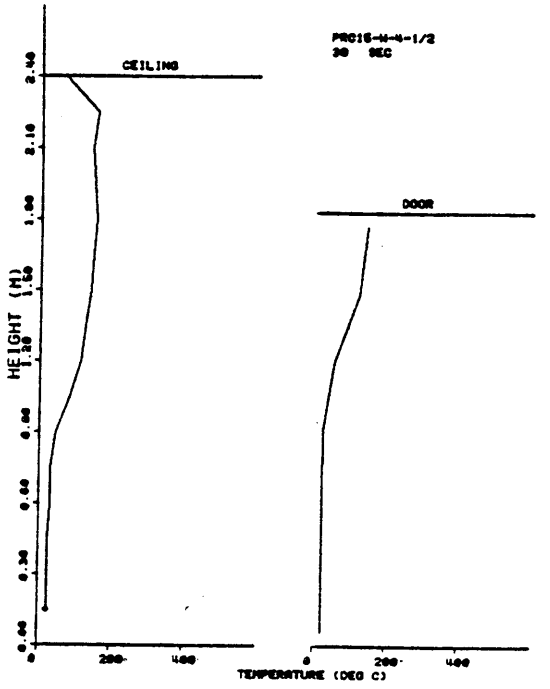

FRCS-M-2-1/2
300 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

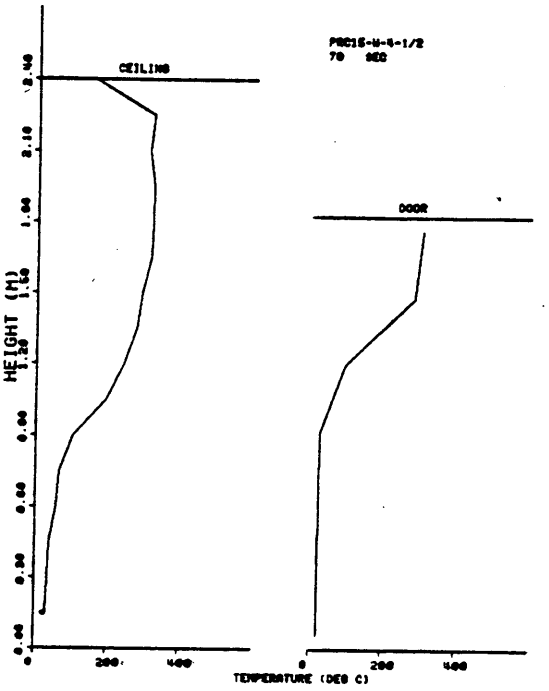

PRC11-W-3-1/2
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

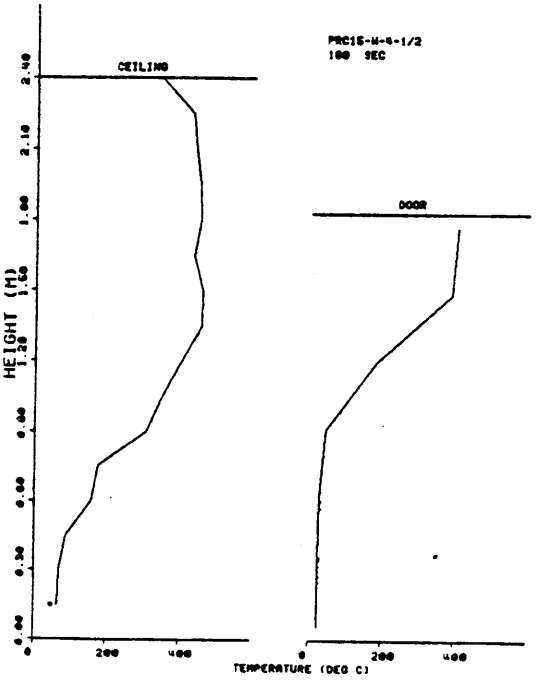

PRC11-W-3-1/2
180 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

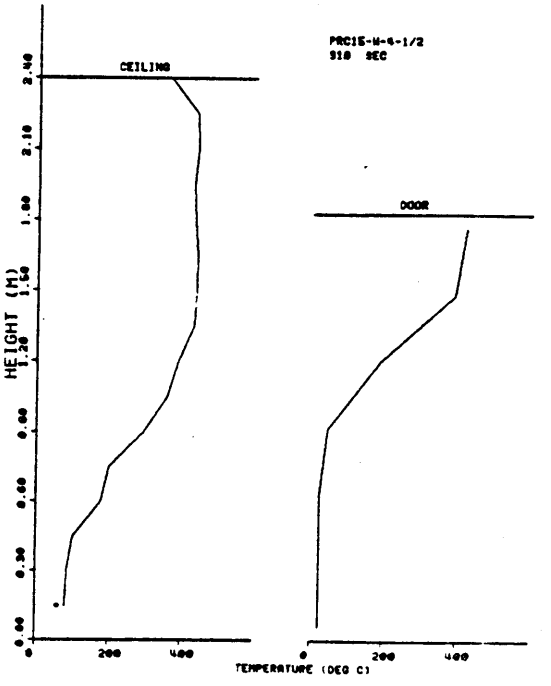

PRC11-W-3-1/2
240 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

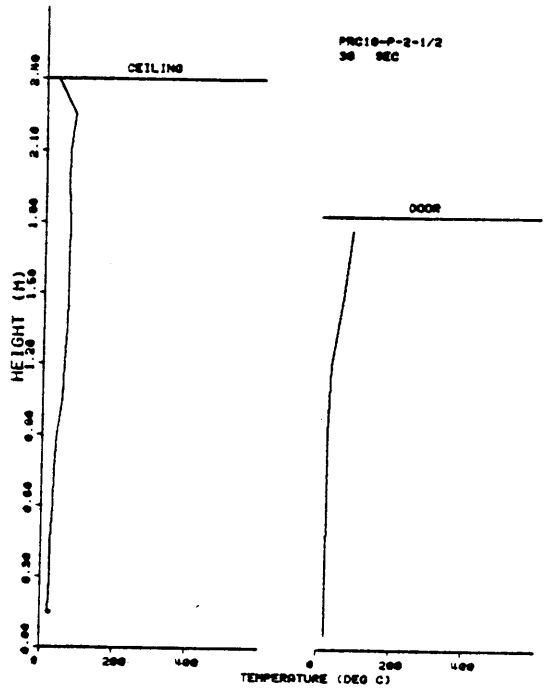

PRC11-W-3-1/2
570 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

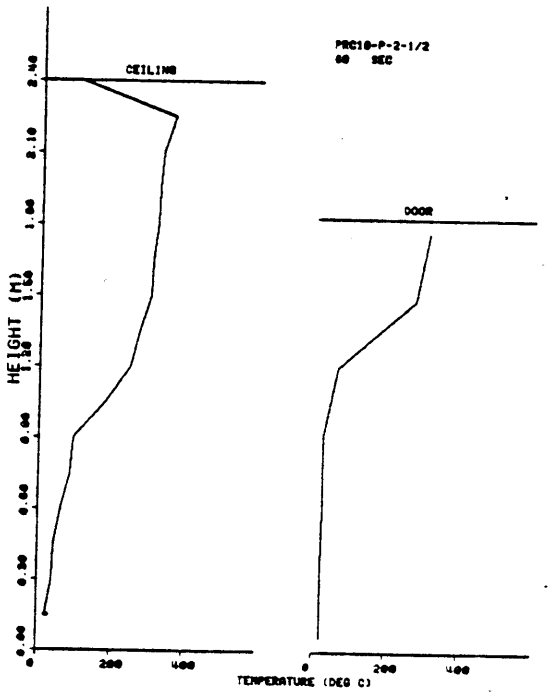

PRC15-M-4-1/2
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

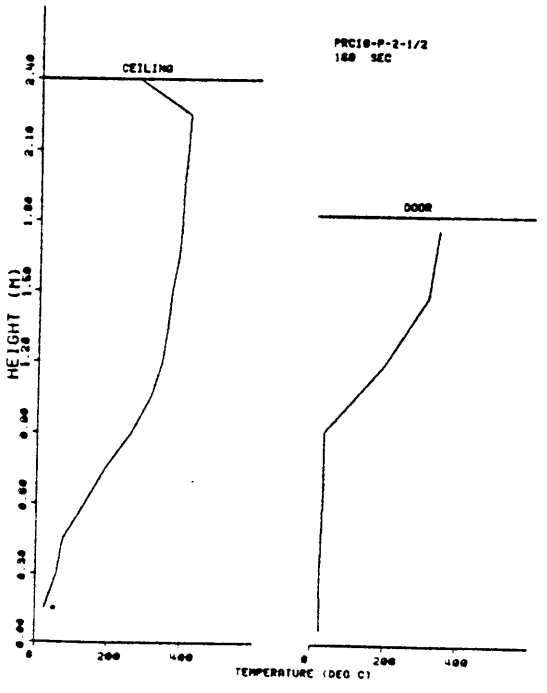

PRC15-M-4-1/2
70 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

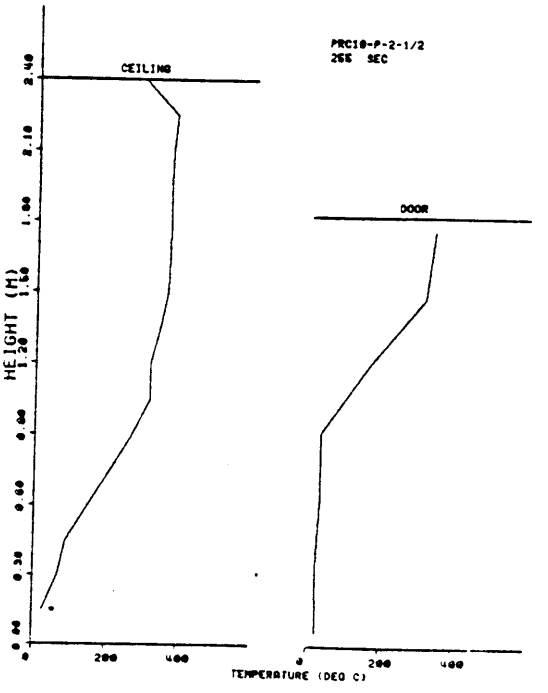

PRC15-M-4-1/2
100 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

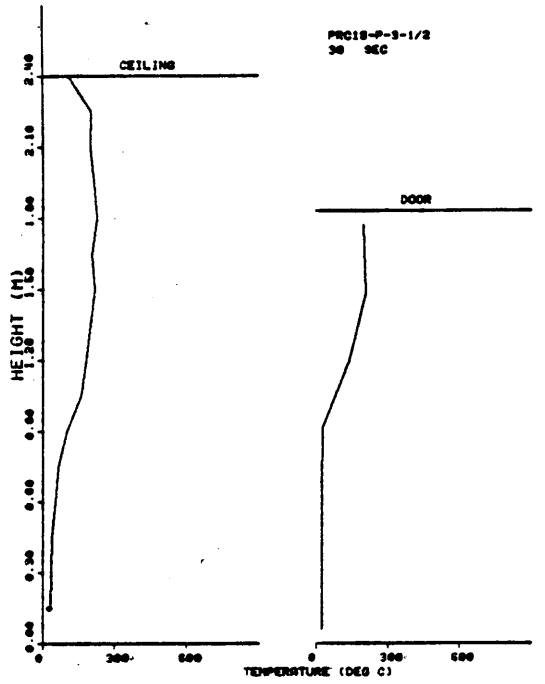

PRC15-M-4-1/2
910 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

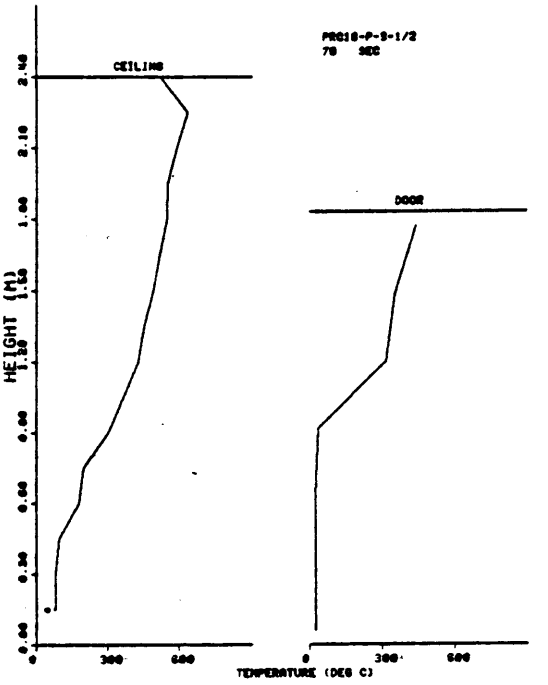

PRC10-P-2-1/2
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

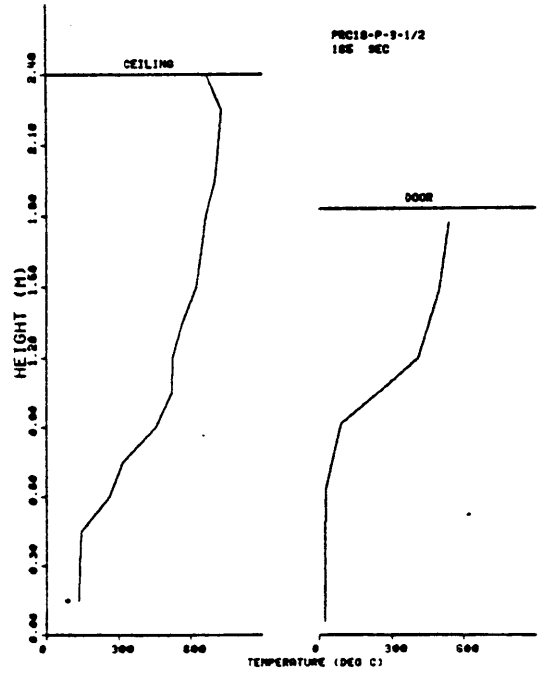

PRC10-P-2-1/2
60 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

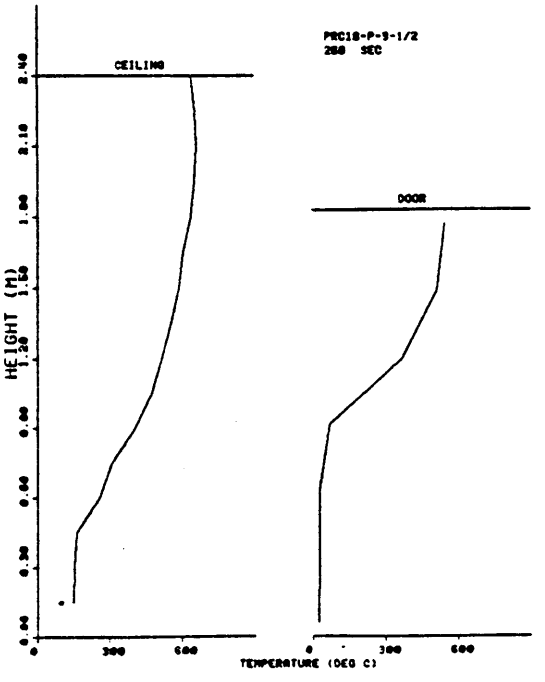

PRC10-P-2-1/2
180 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

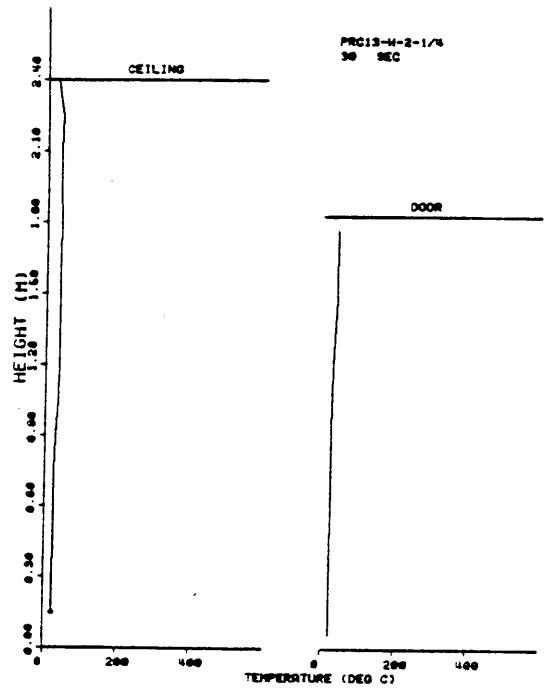

PRC10-P-2-1/2
255 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

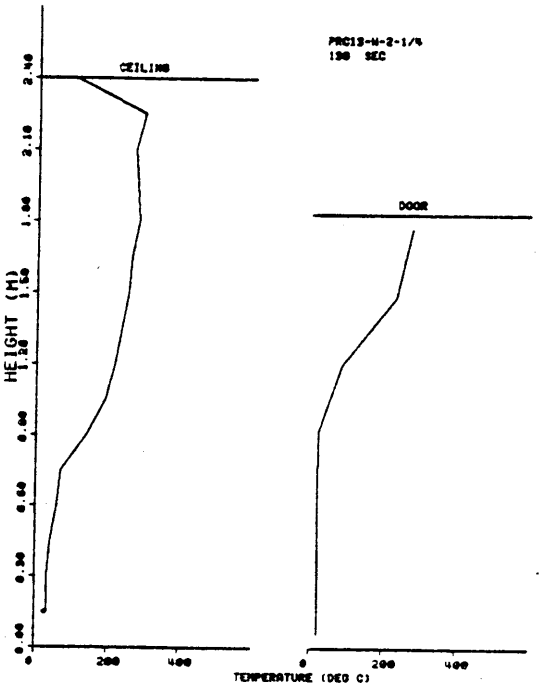

PRC18-P-9-1/2
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

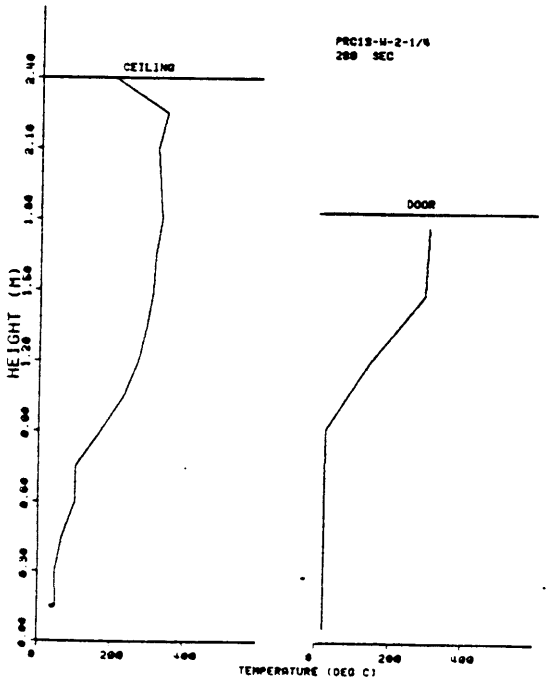

PRC18-P-9-1/2
70 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

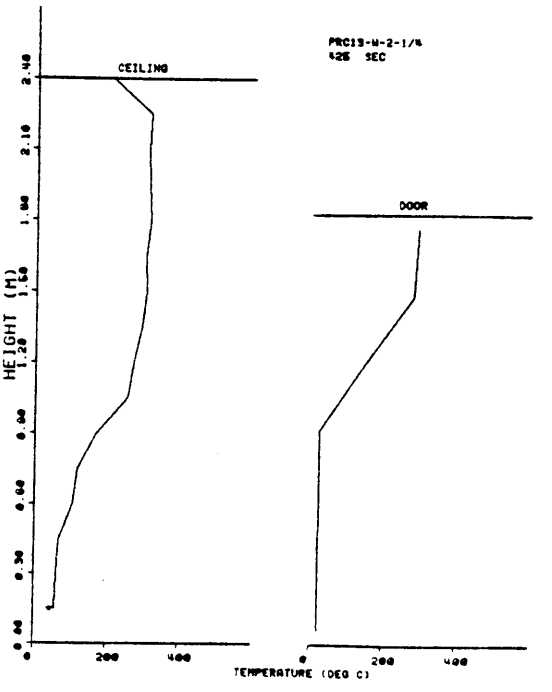

PRC18-P-9-1/2
185 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

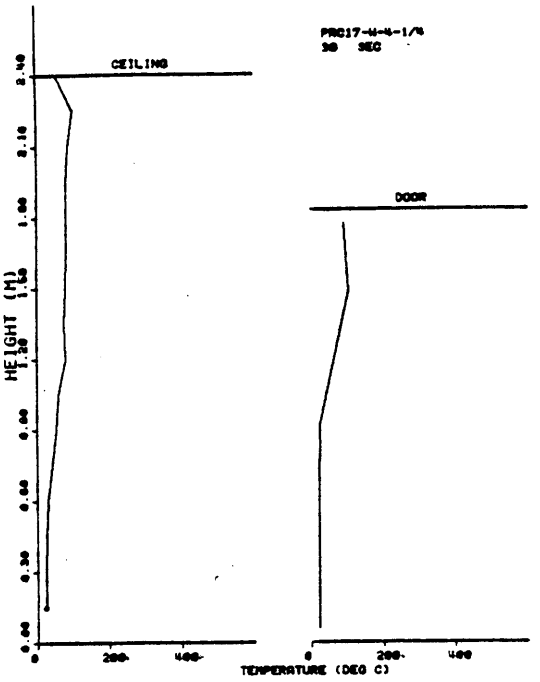

PRC18-P-9-1/2
250 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

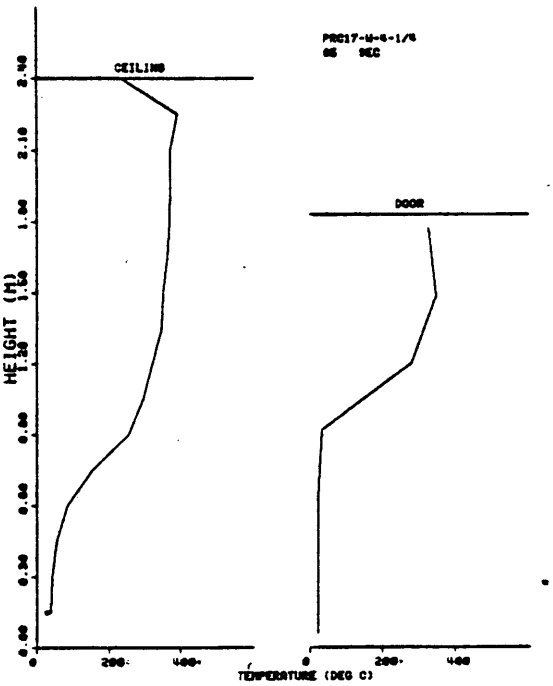

PRC13-W-2-1/4
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

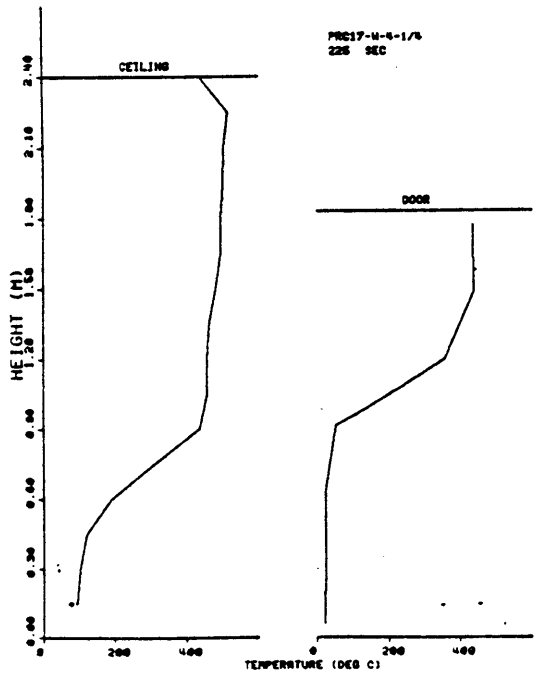

PRC13-W-2-1/4
130 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

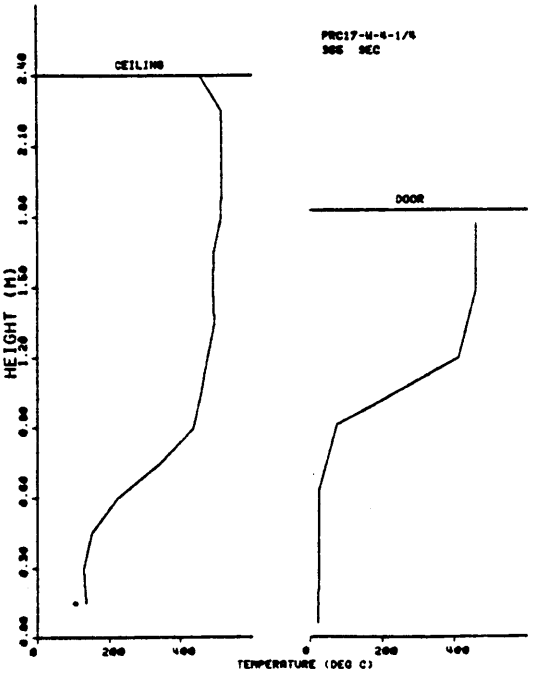

PRC13-W-2-1/4
280 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

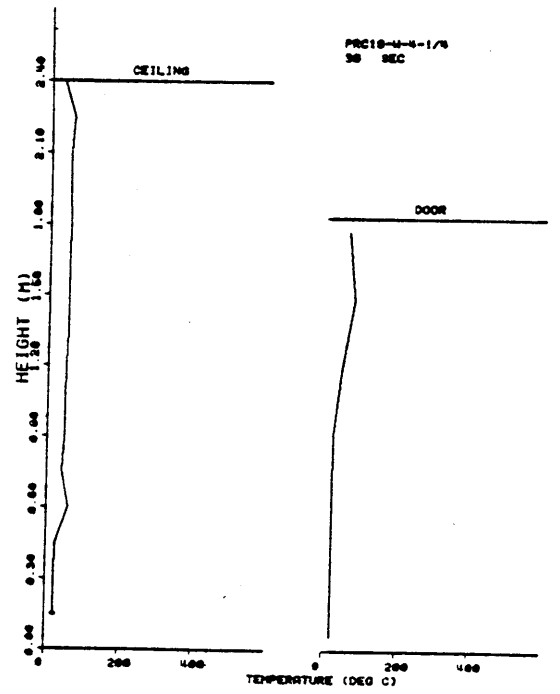

PRC13-W-2-1/4
425 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

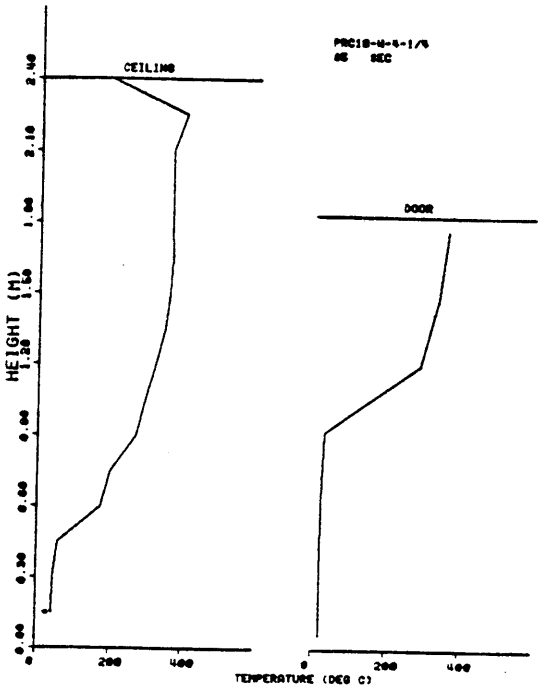

CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

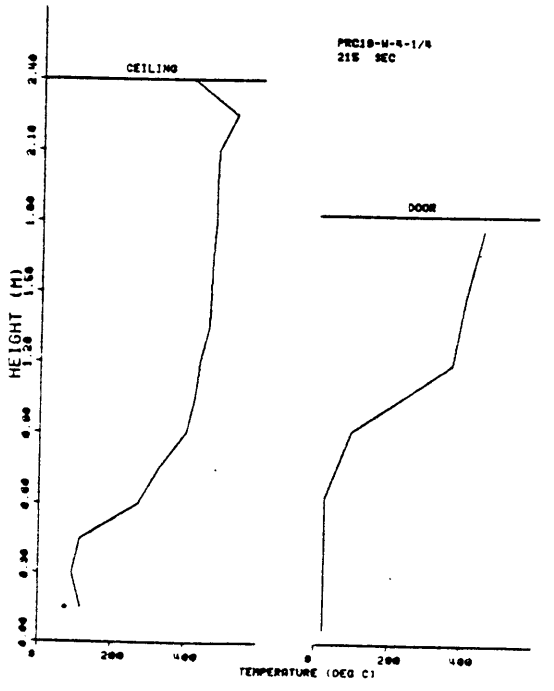

CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

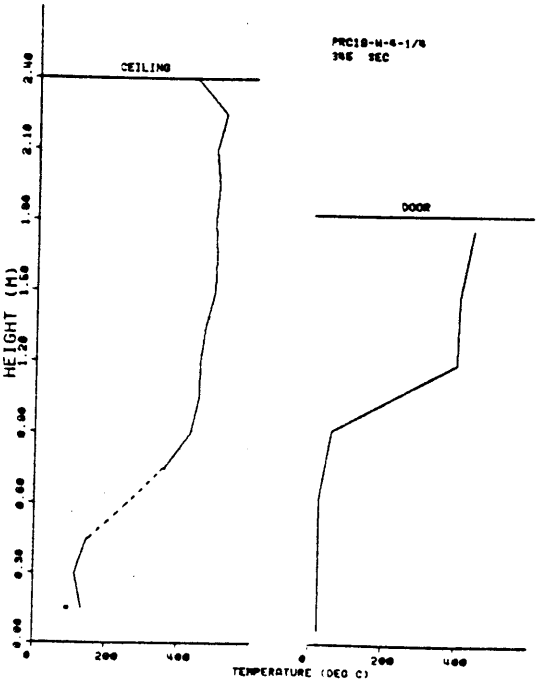

CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

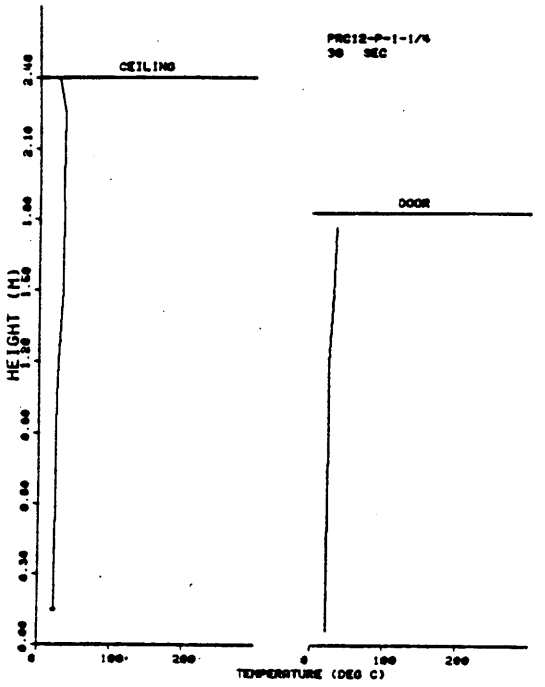

CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

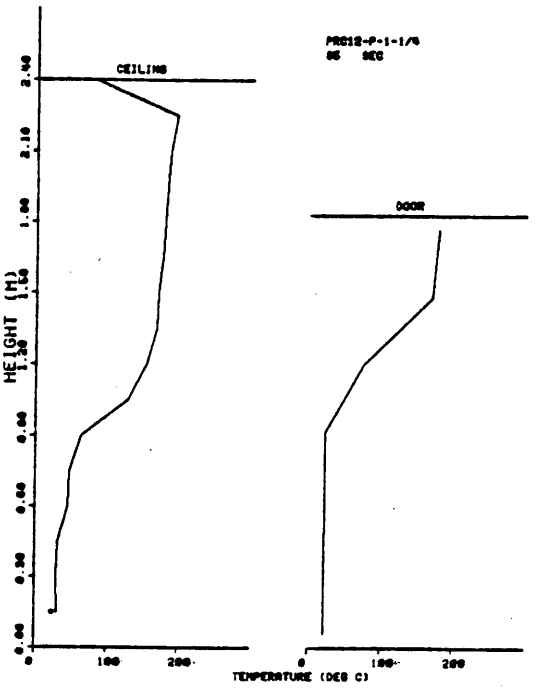

PRC10-W-4-1/8
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

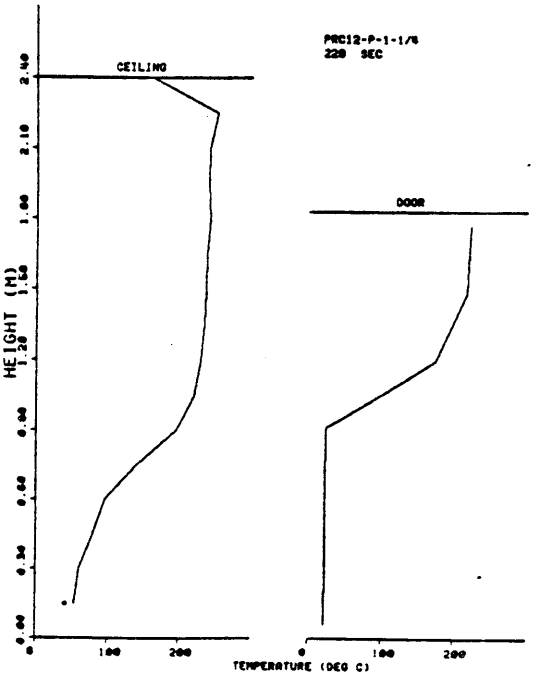

PRC10-W-4-1/8
60 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

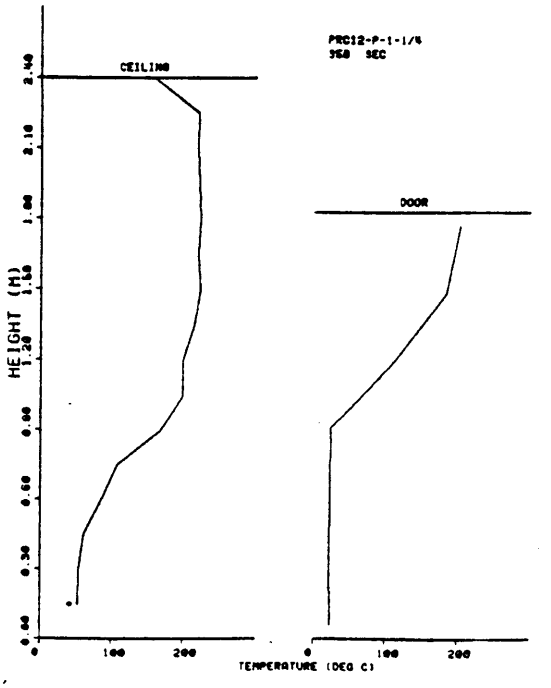

PRC10-W-4-1/8
215 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)


PRC10-W-4-1/8
345 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)


PRC12-P-1-1/6
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)


PRC12-P-1-1/6
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)


PRC12-P-1-1/6
220 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)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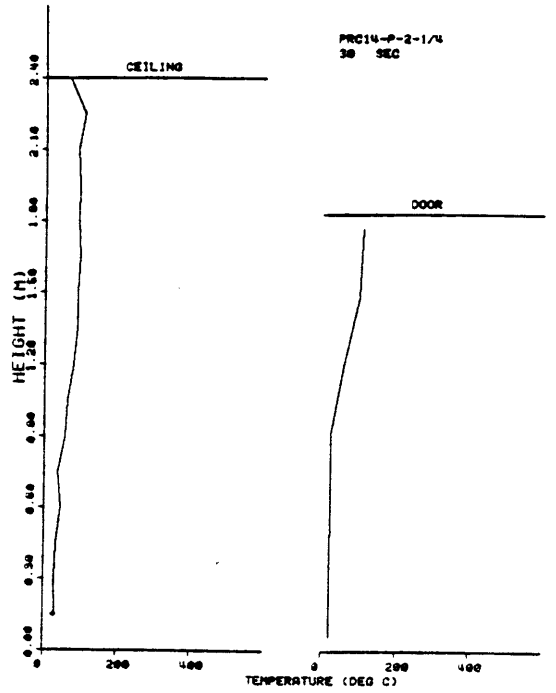
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)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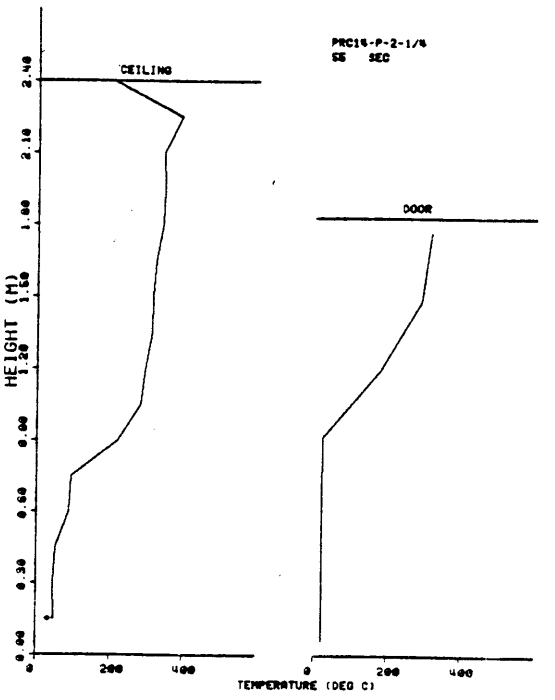
30 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)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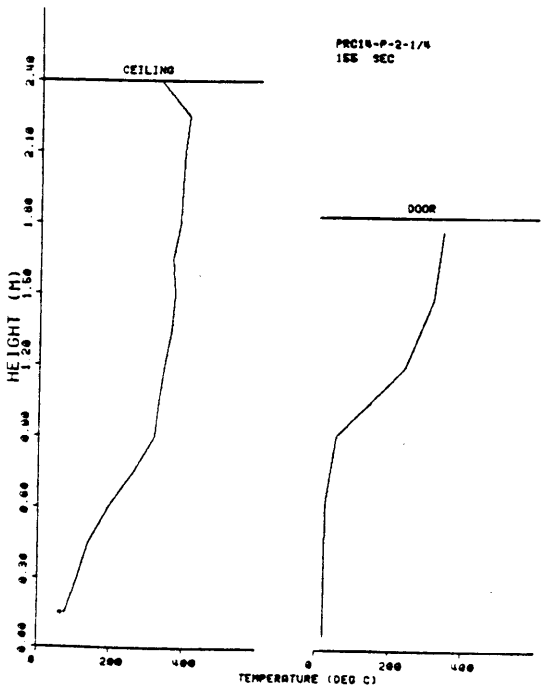
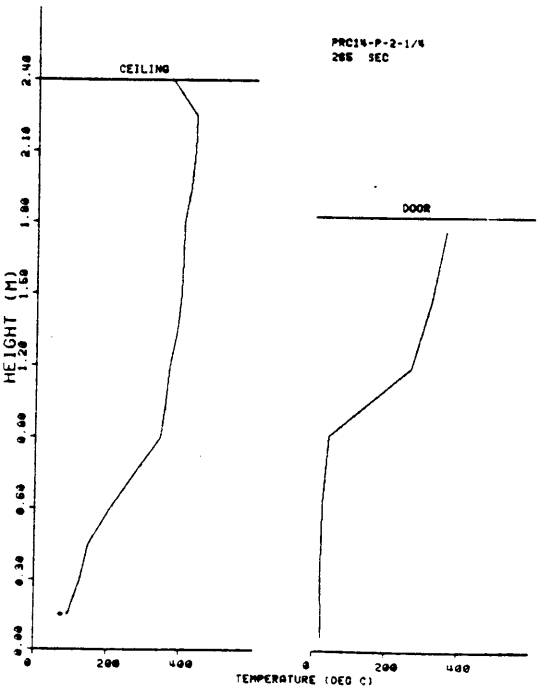
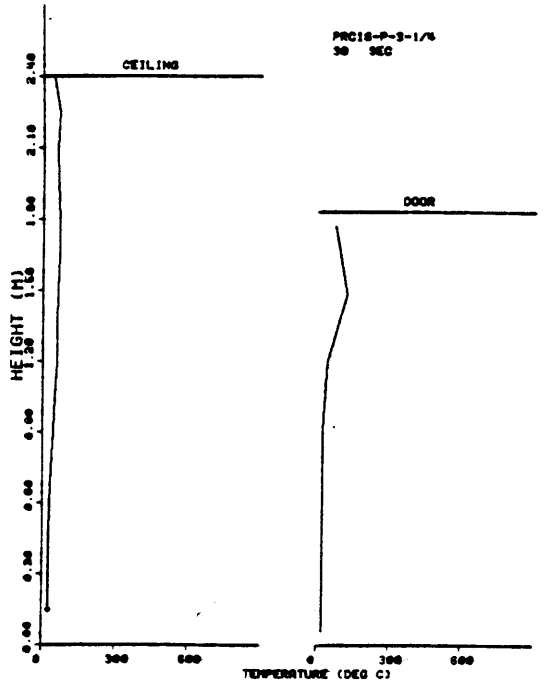
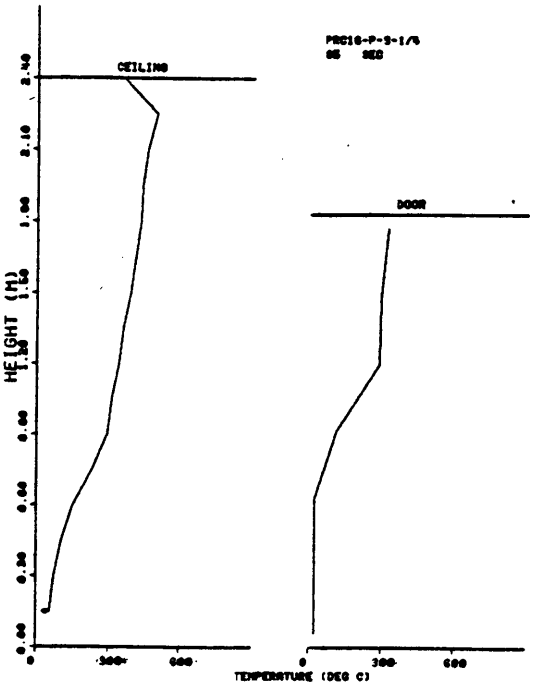
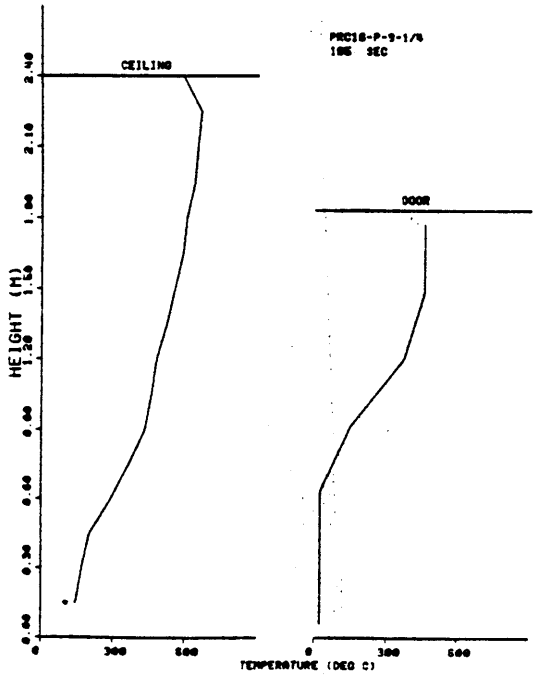
55 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

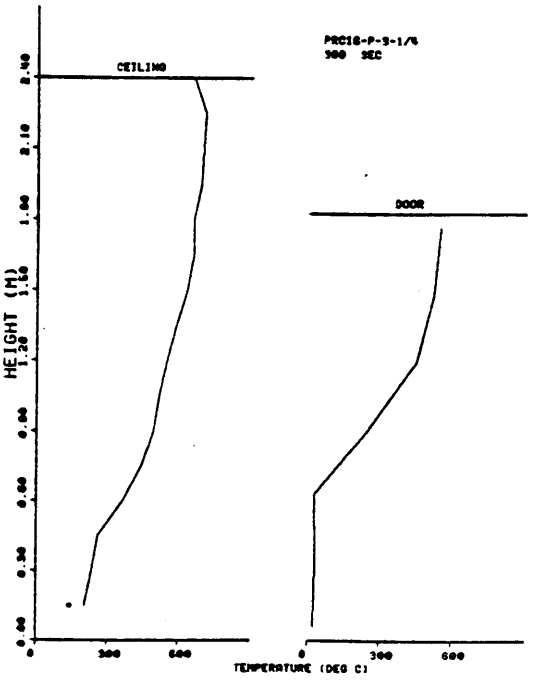

PRC1%-P-2-1/%
155 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

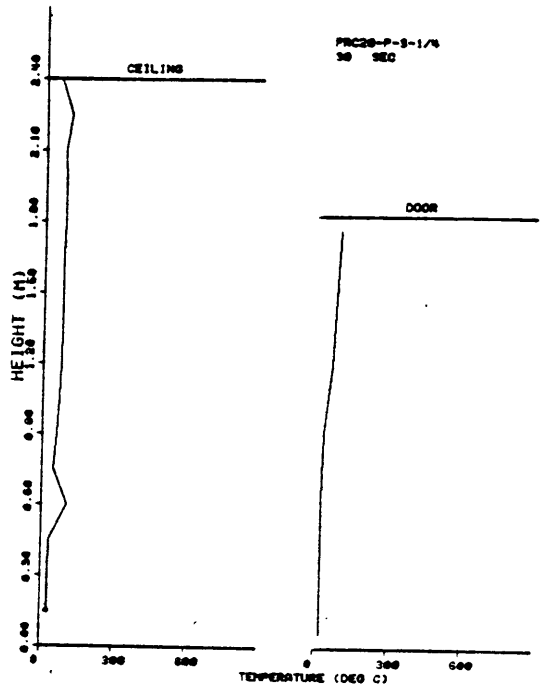

PRC1%-P-2-1/%
265 SEC
CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

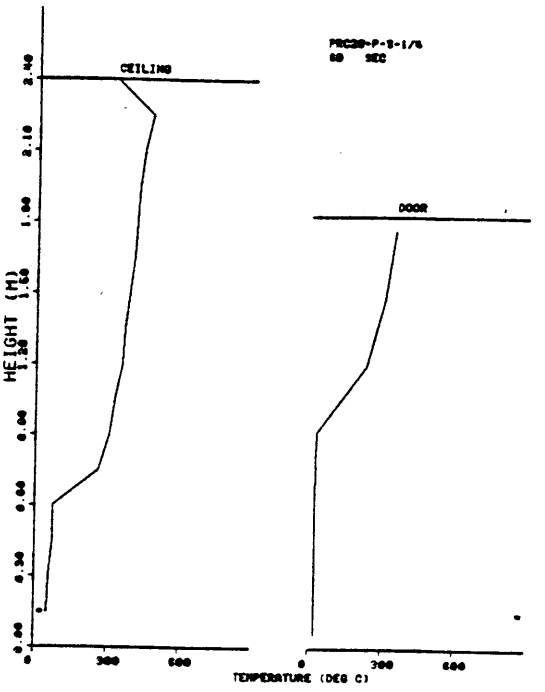

CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

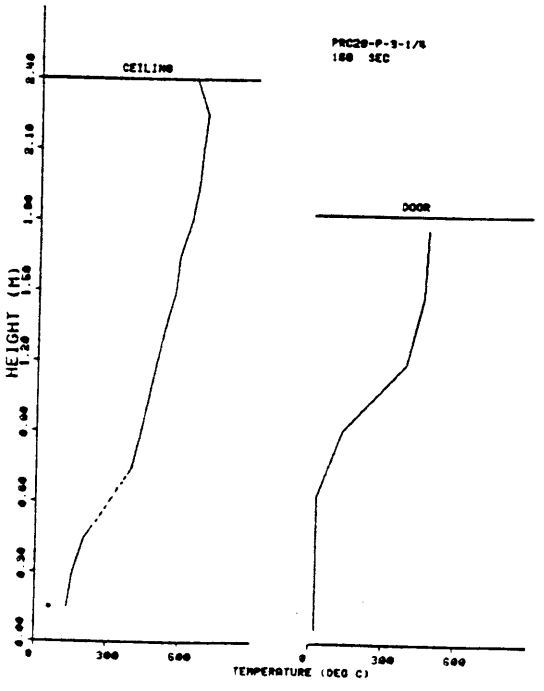

CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

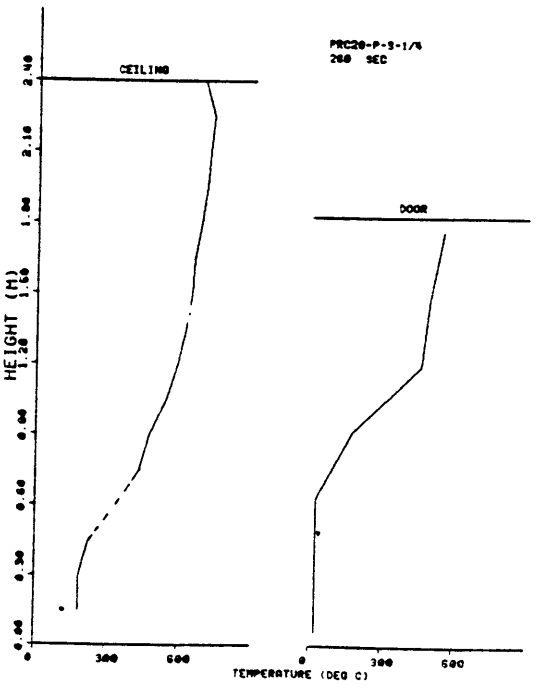

CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)


CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)


CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)


CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)


CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

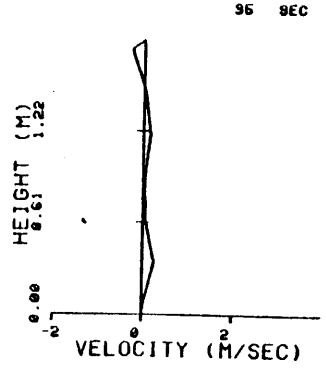

CEILING
DOOR
HEIGHT (M)
TEMPERATURE (DEG C)

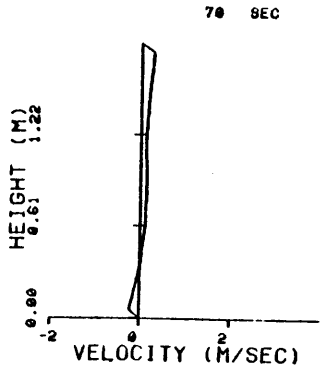
7. DOORWAY VELOCITY PROFILES (V)

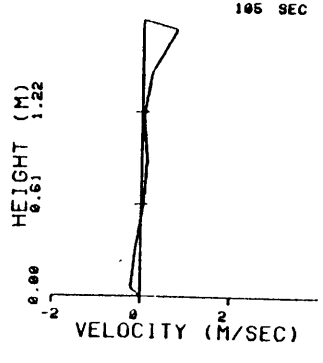
Doorway velocity profiles over a 560-second period are shown in figures 7-1 to 7-20. Each figure contains 16 profiles with each produced at 35-second intervals, the end of each complete velocity scan of the vertical probe a ray in the doorway.

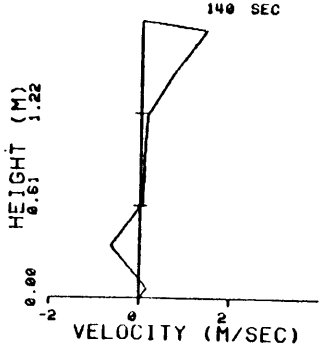
After an initial transient period the profiles reach a nearly steady state and are relatively insensitive to fire changes up to burnout. In general for a fixed room temperature level, the profiles indicate increasing velocities and a decreasing zero velocity position (neutral plane height) as the doorway width is decreased.

PRC9-M-1-1

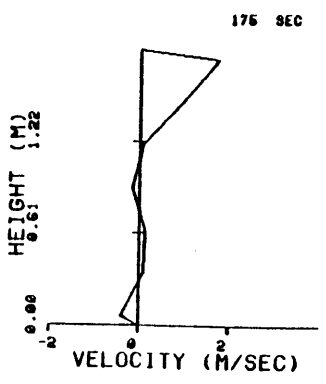


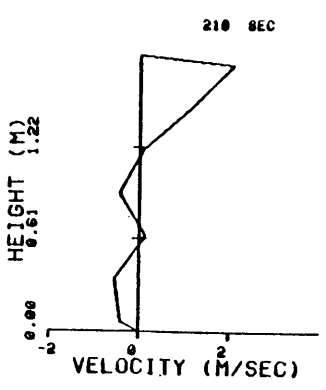


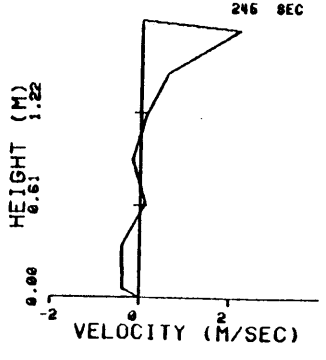


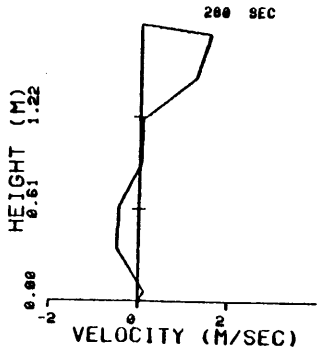


PRC9-M-1-1

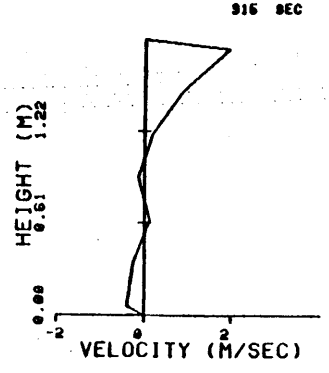


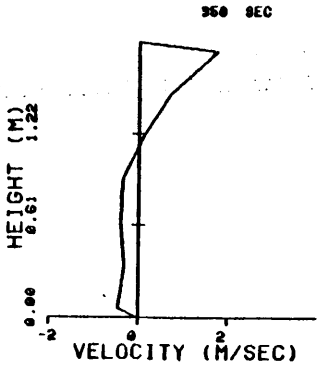


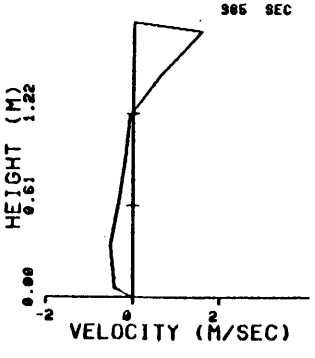


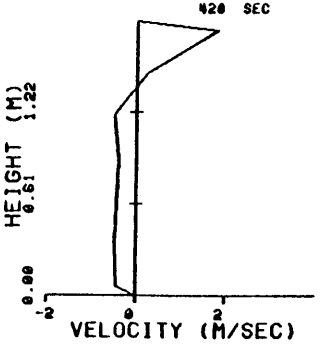


PRCS-M-1-1

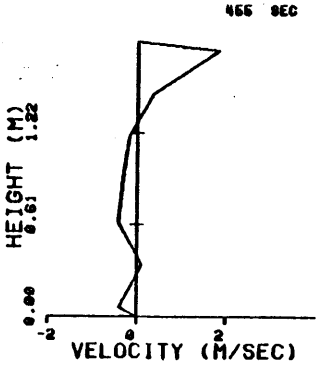


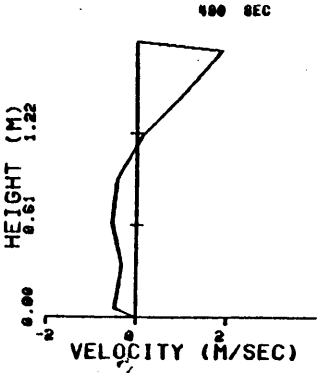


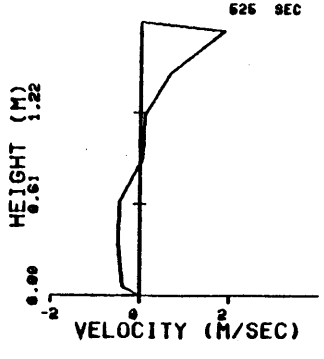


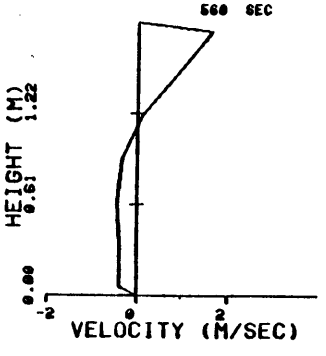


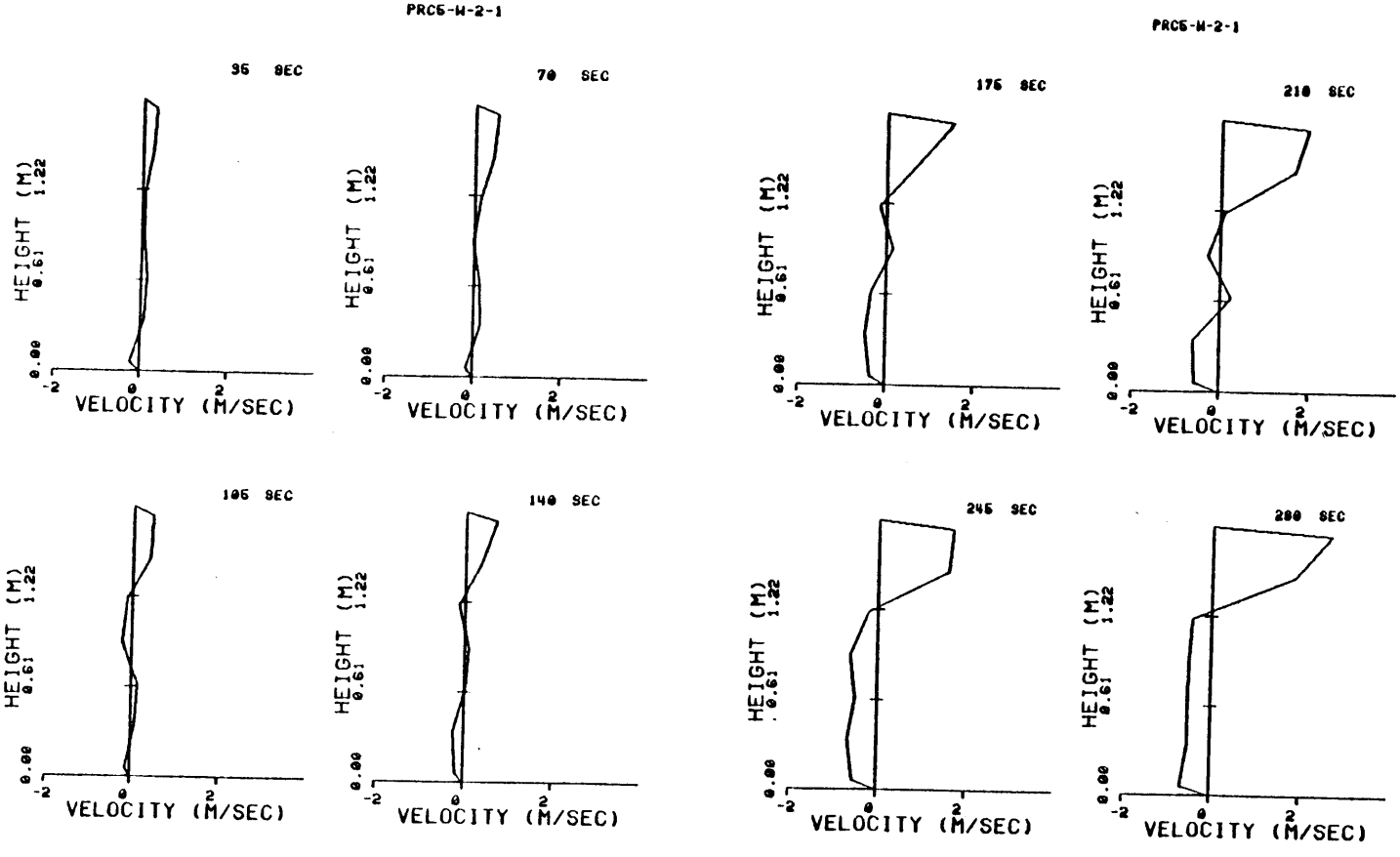
PRCS-M-1-1







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PRC5-W-2-1
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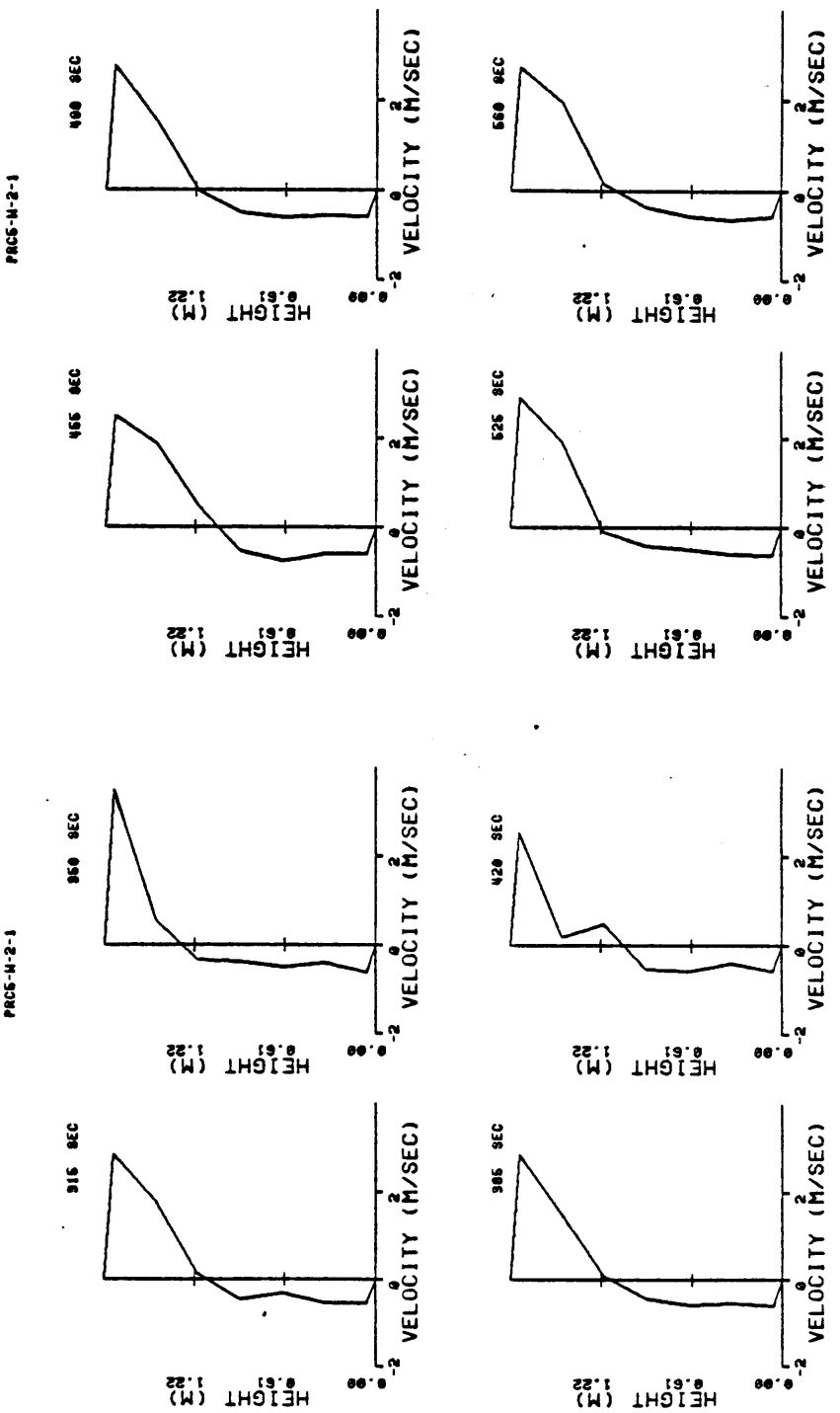
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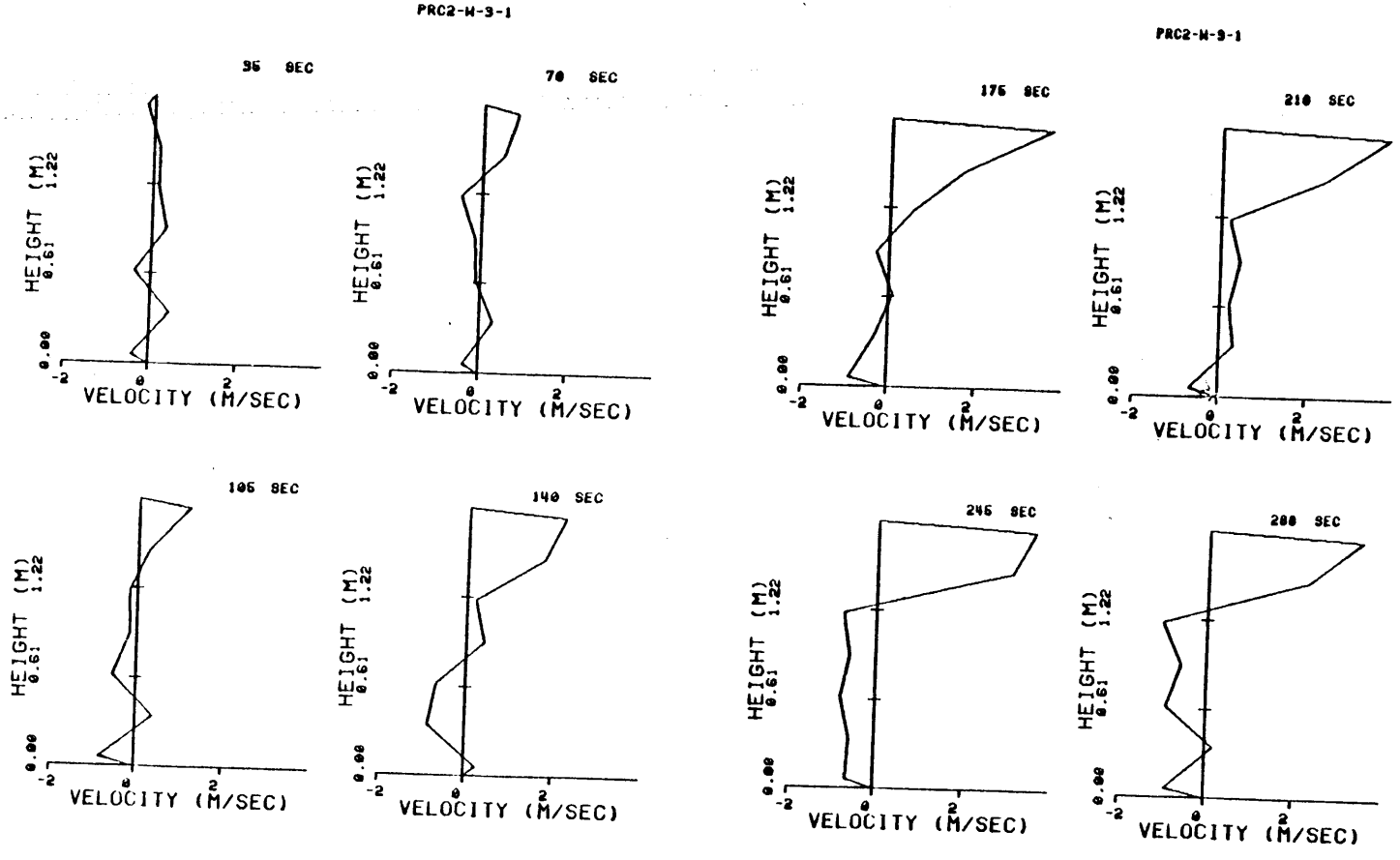
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0
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VELOCITY (M/SEC)

PRC2-W-9-1
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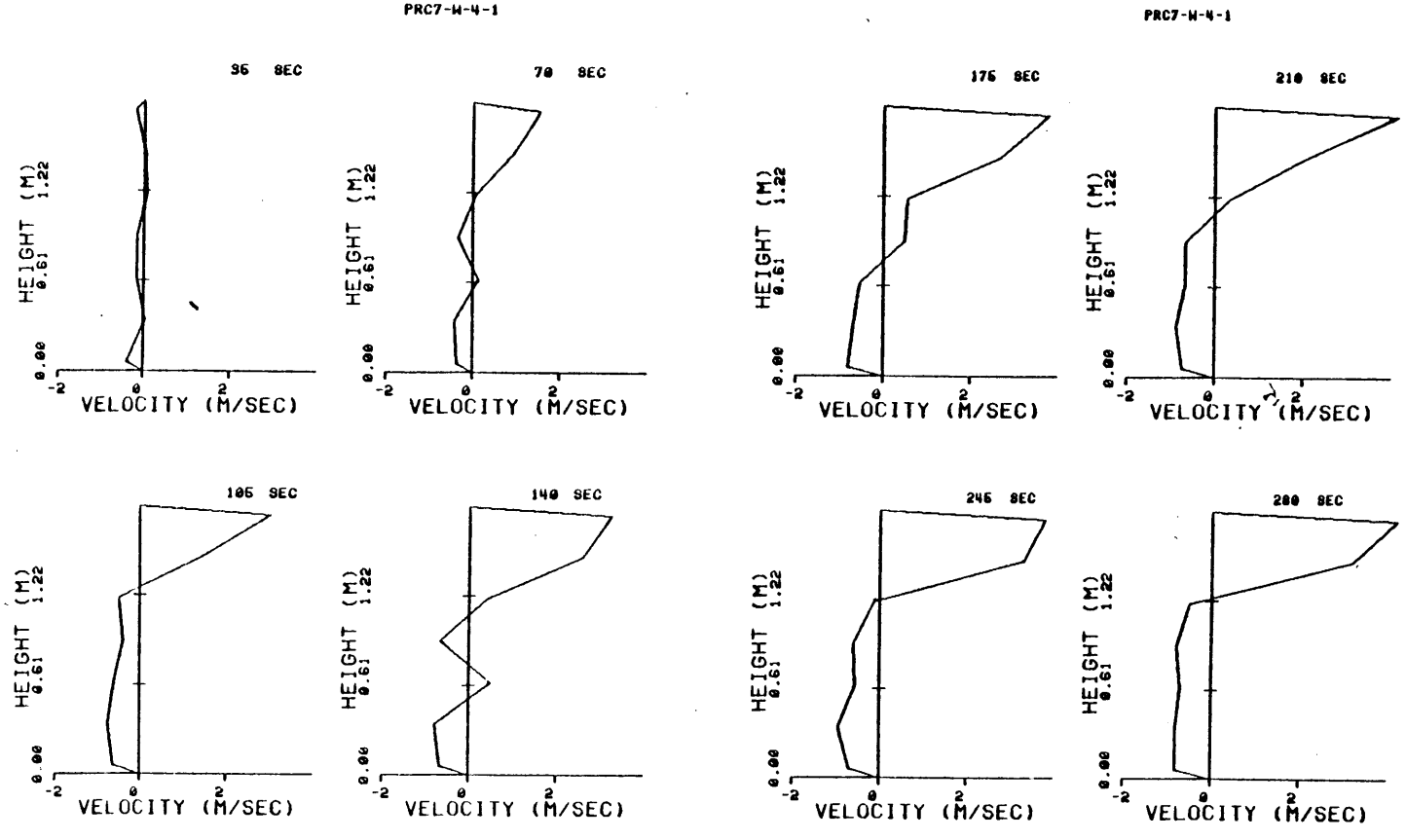
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VELOCITY (M/SEC)

PRC7-N-4-1
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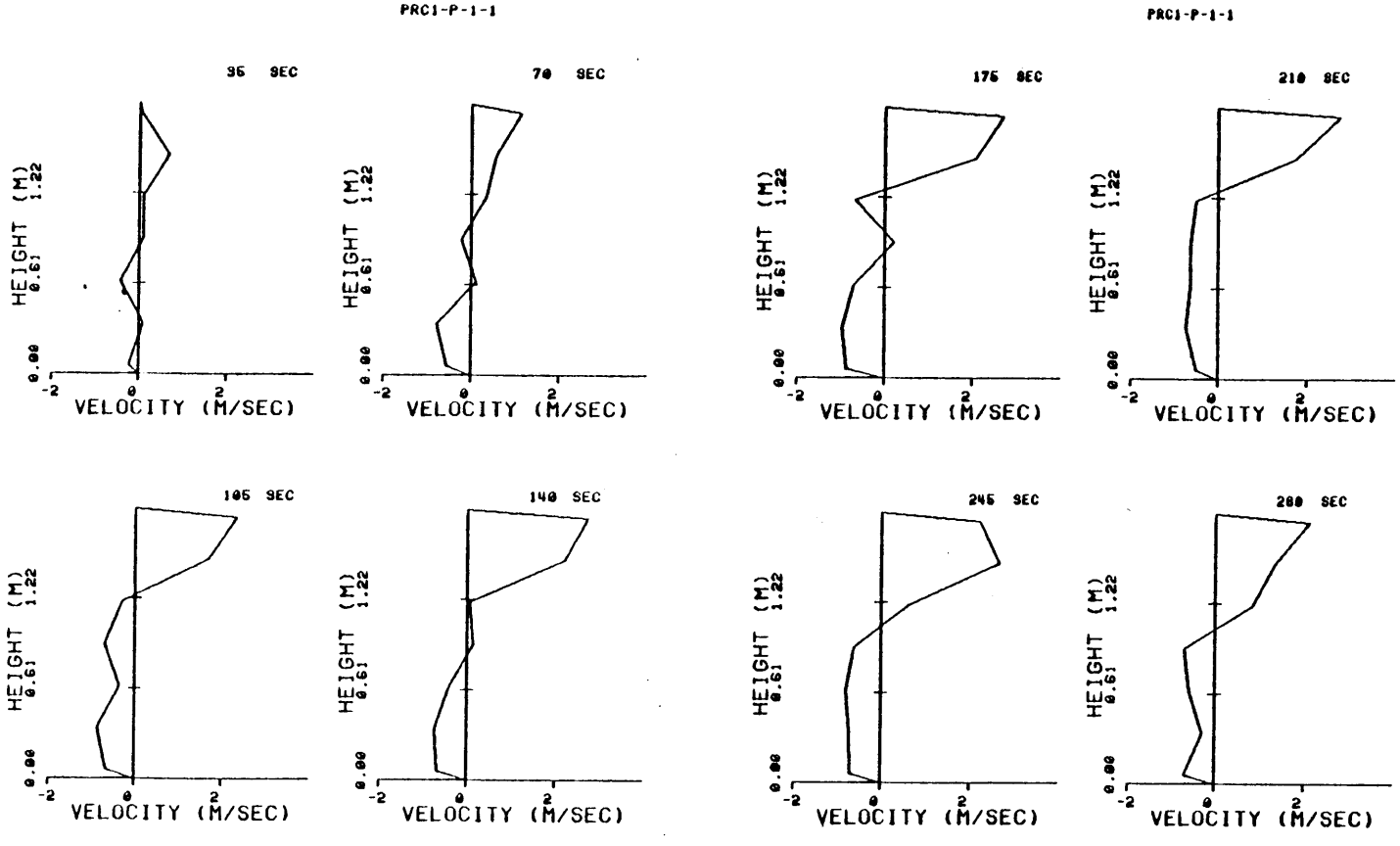
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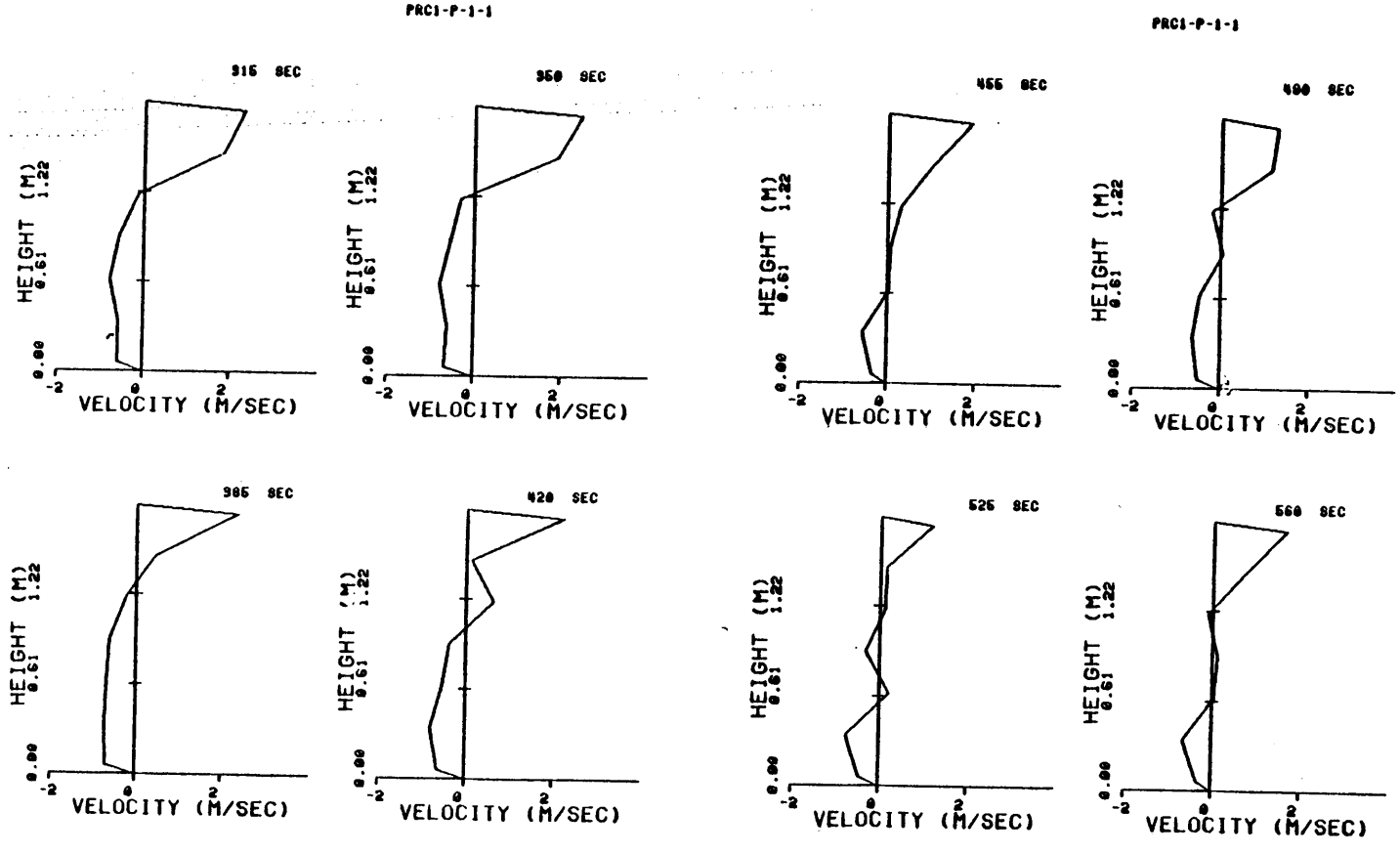
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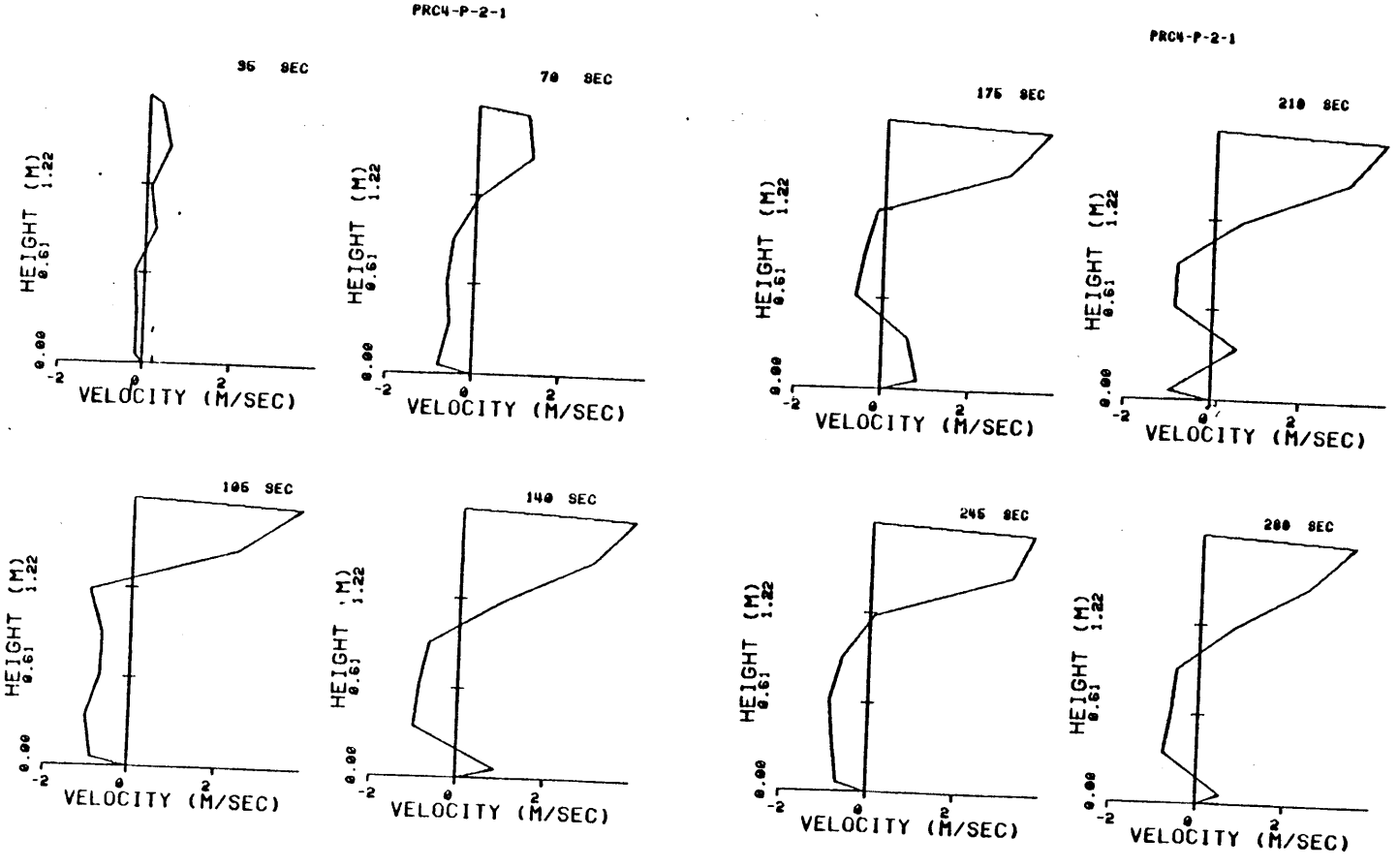
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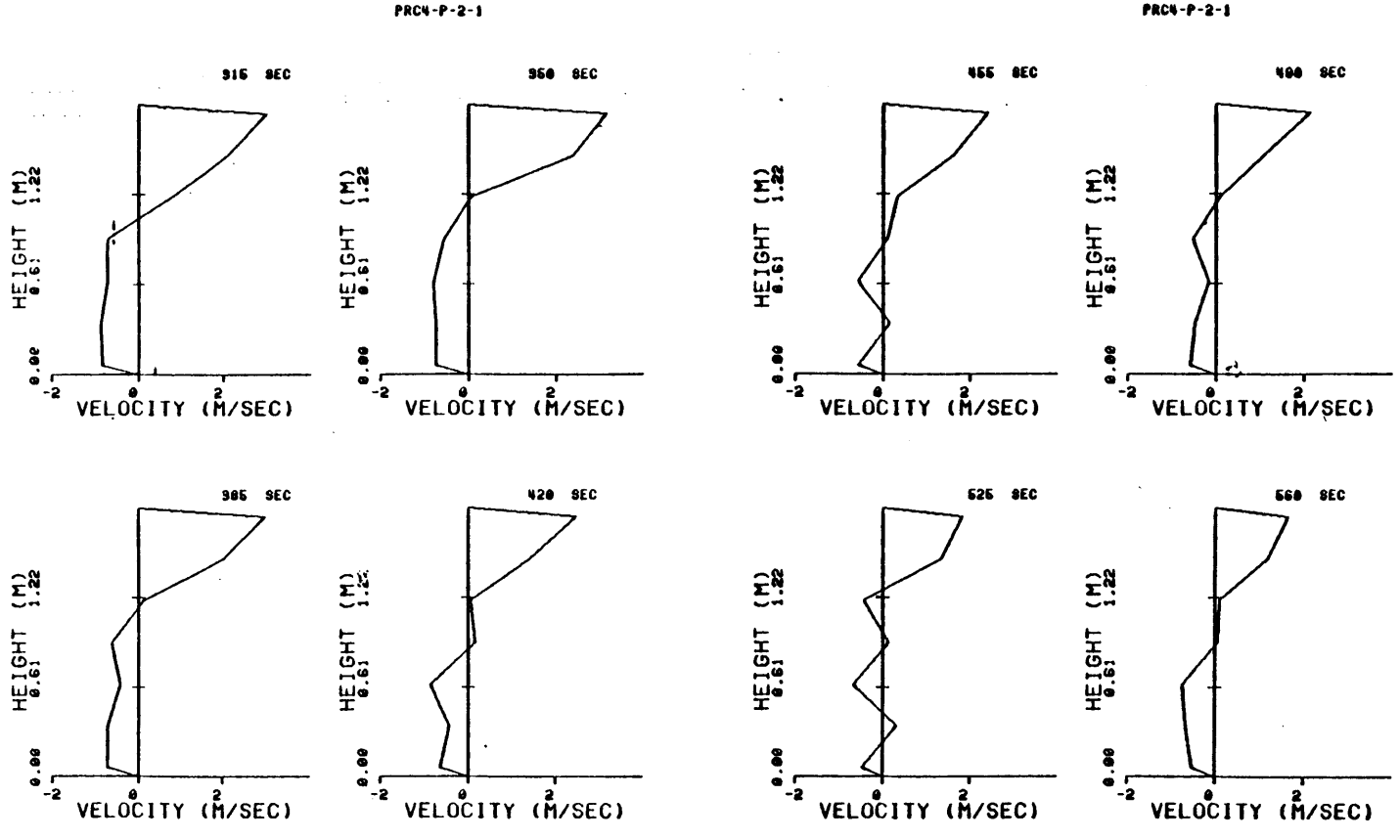
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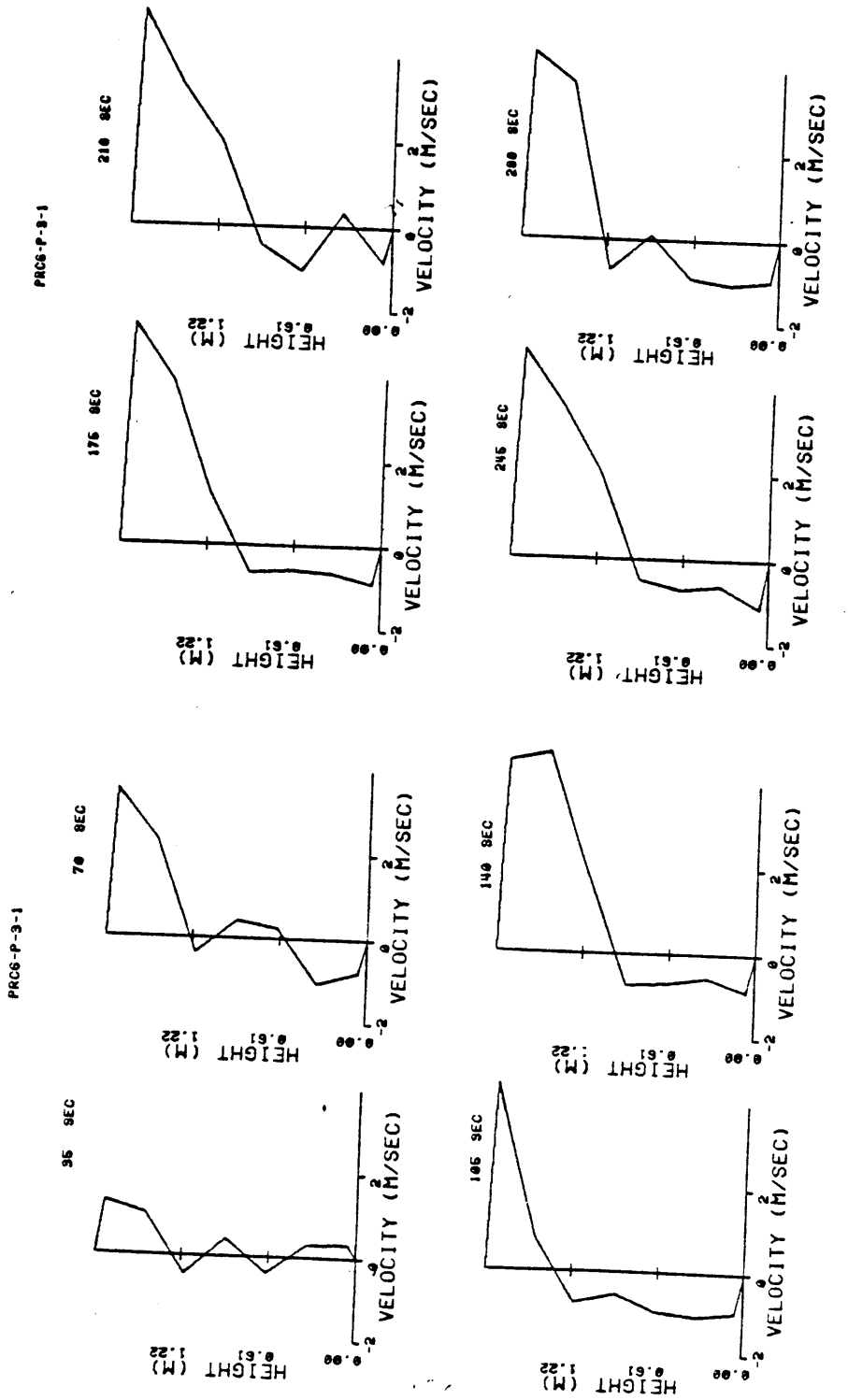
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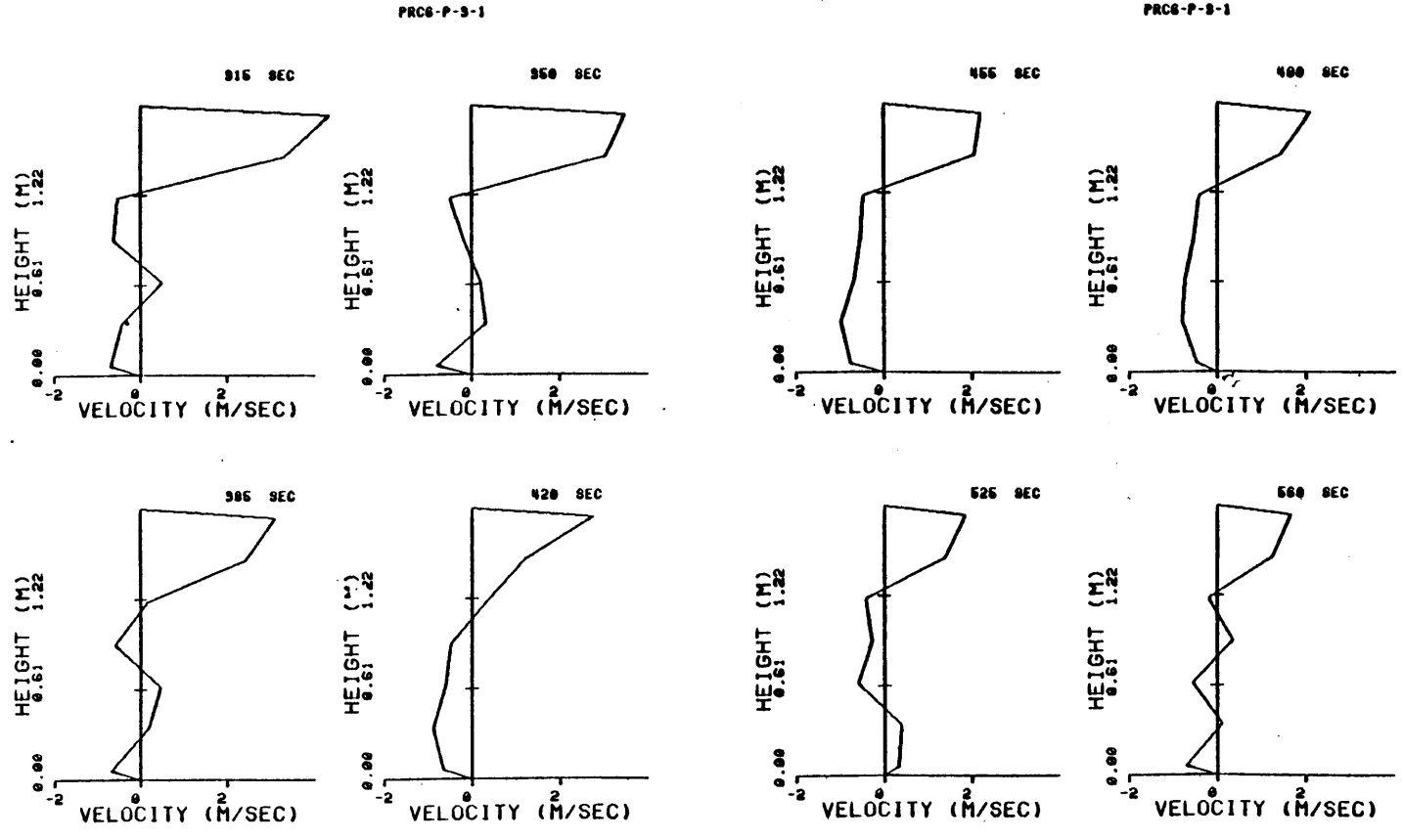
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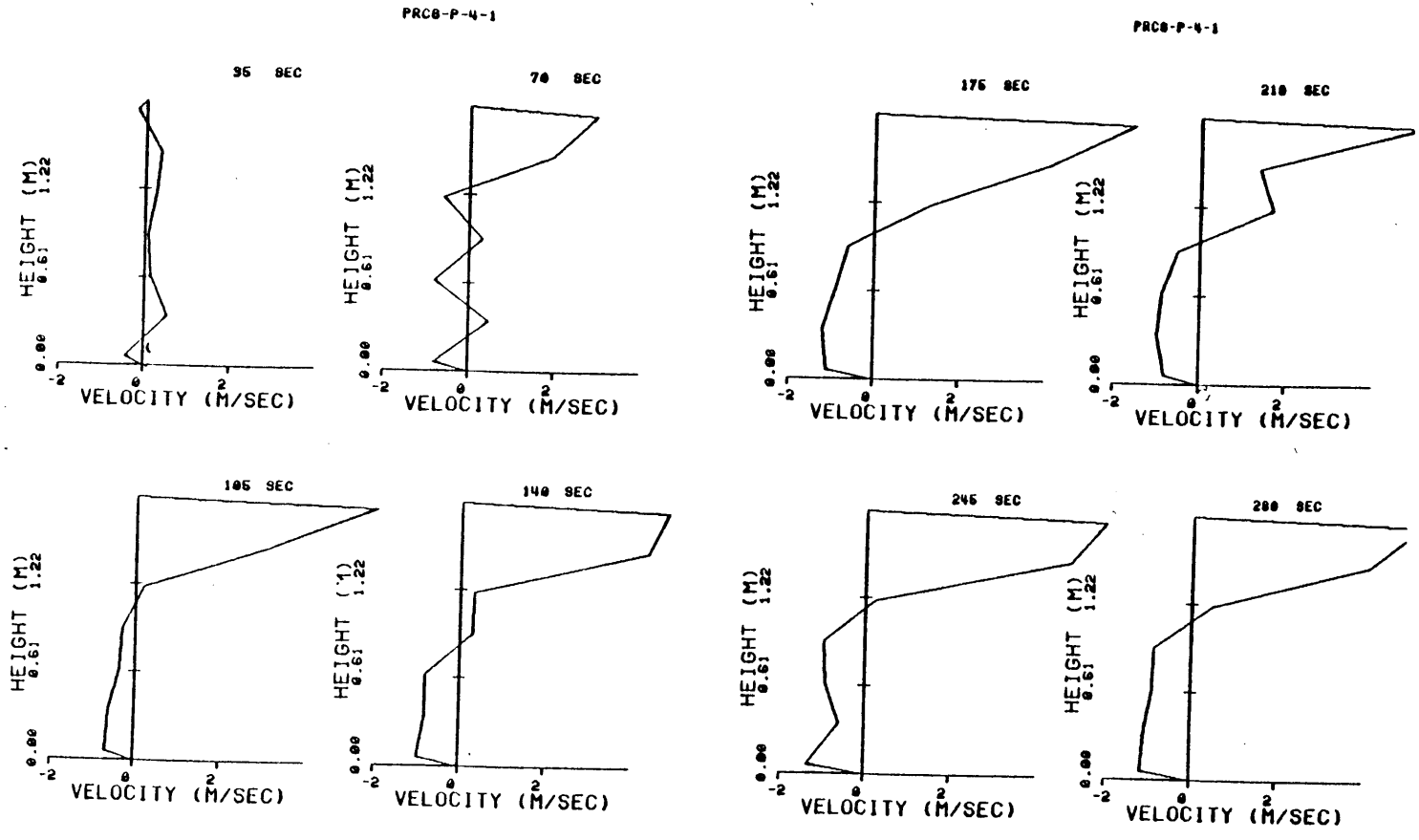
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VELOCITY (M/SEC)
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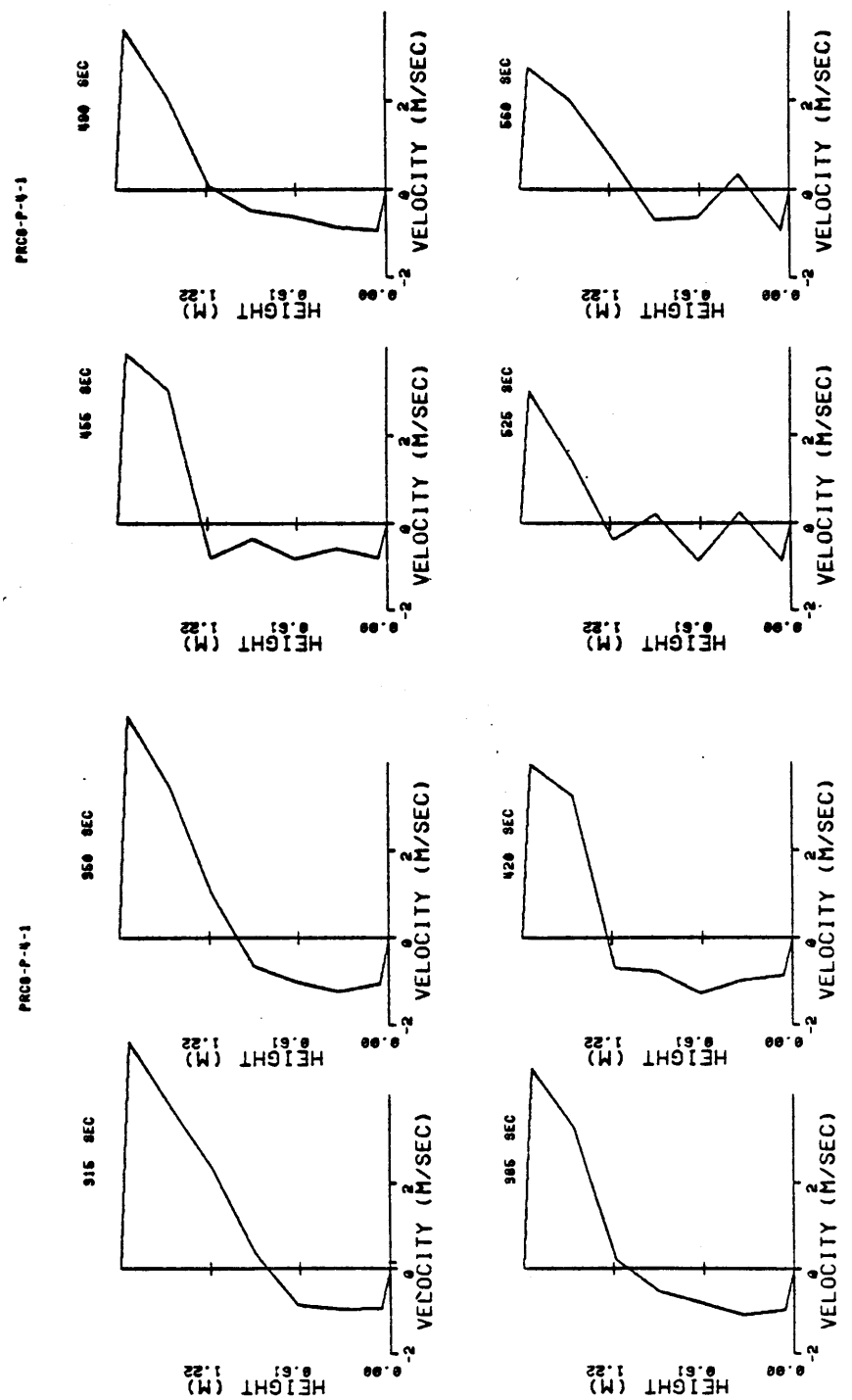
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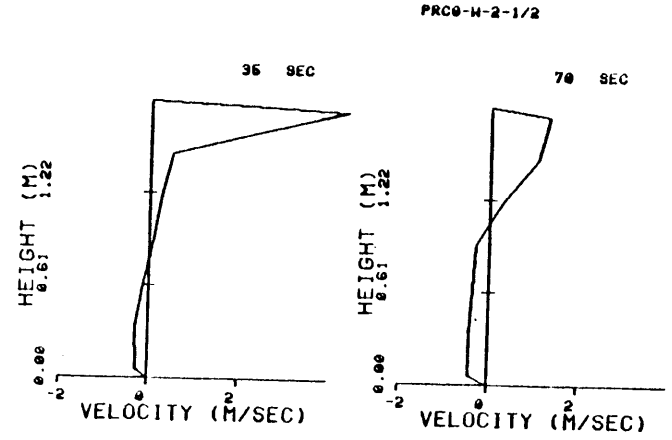
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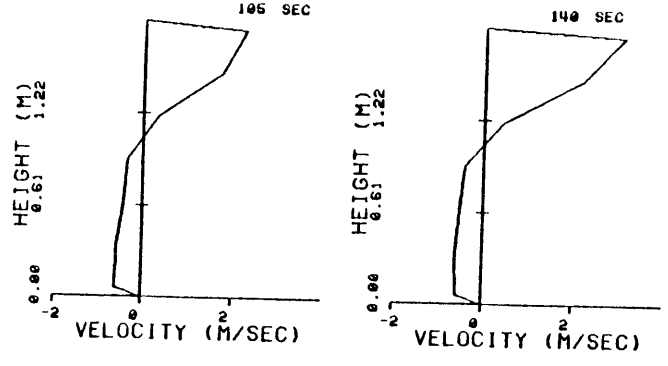
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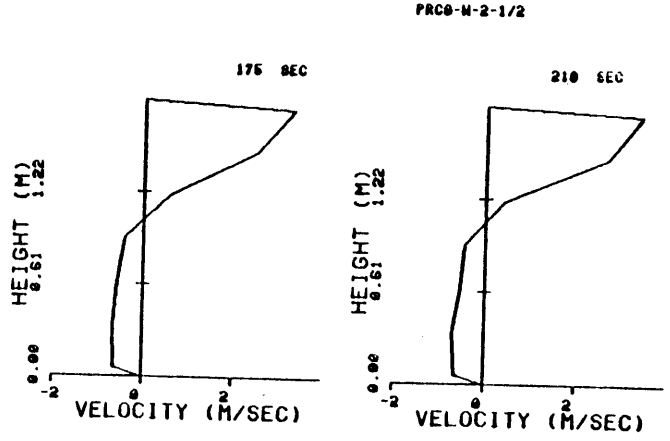
VELOCITY (M/SEC)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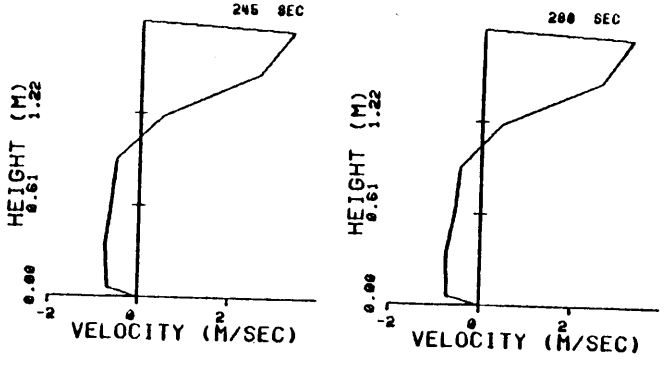
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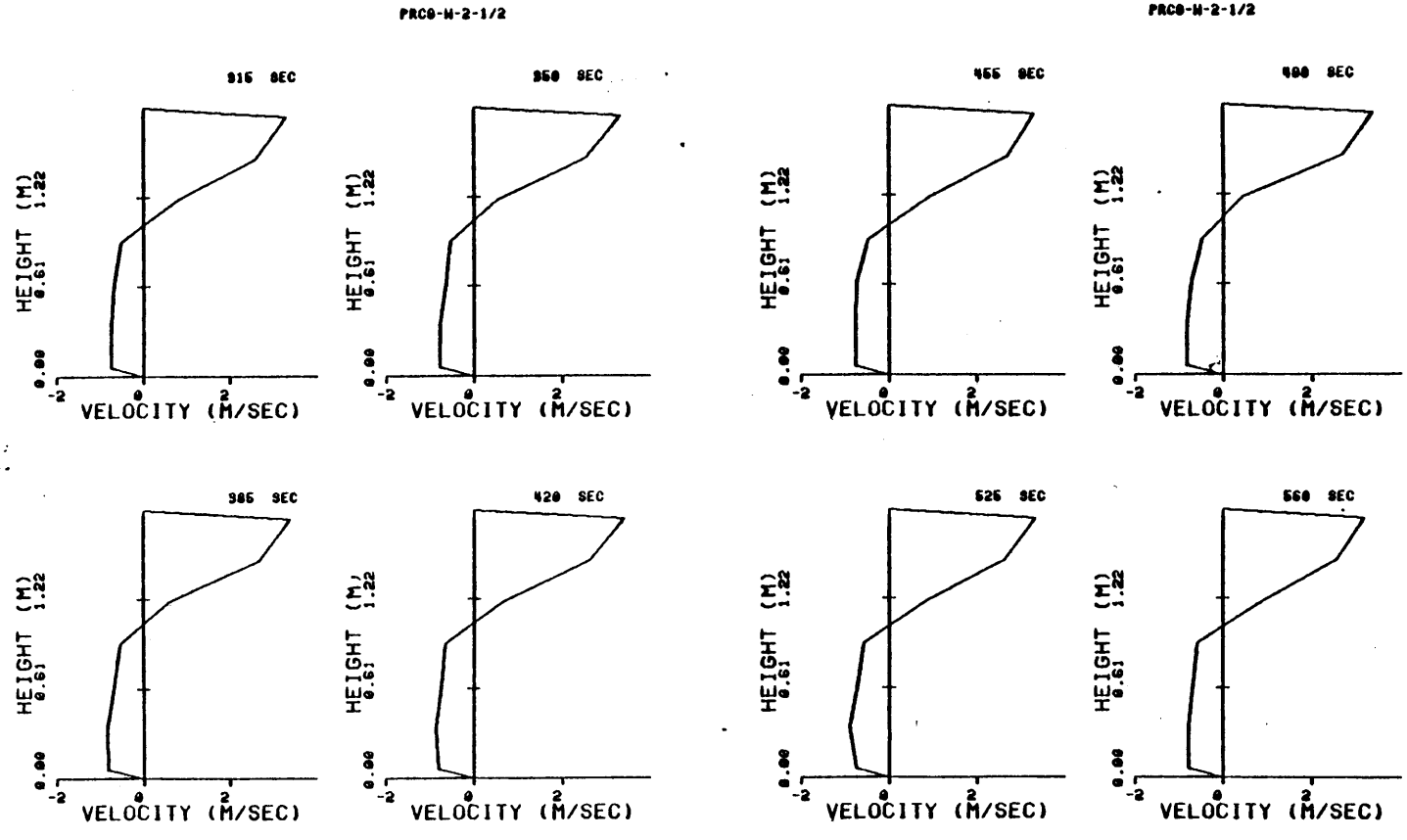
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PRC0-M-2-1/2
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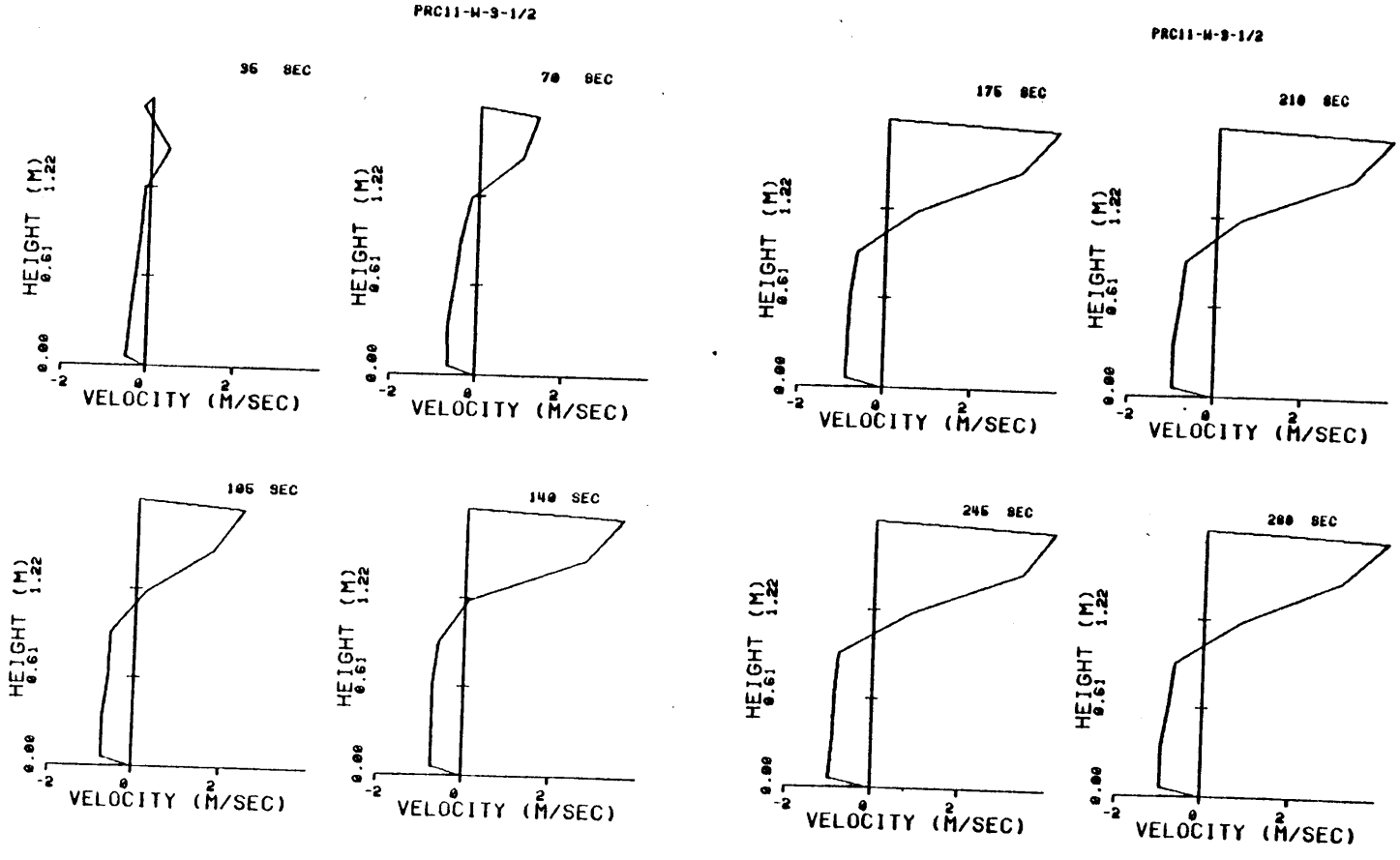
VELOCITY (M/SEC)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VELOCITY (M/SEC)

PRC11-W-9-1/2
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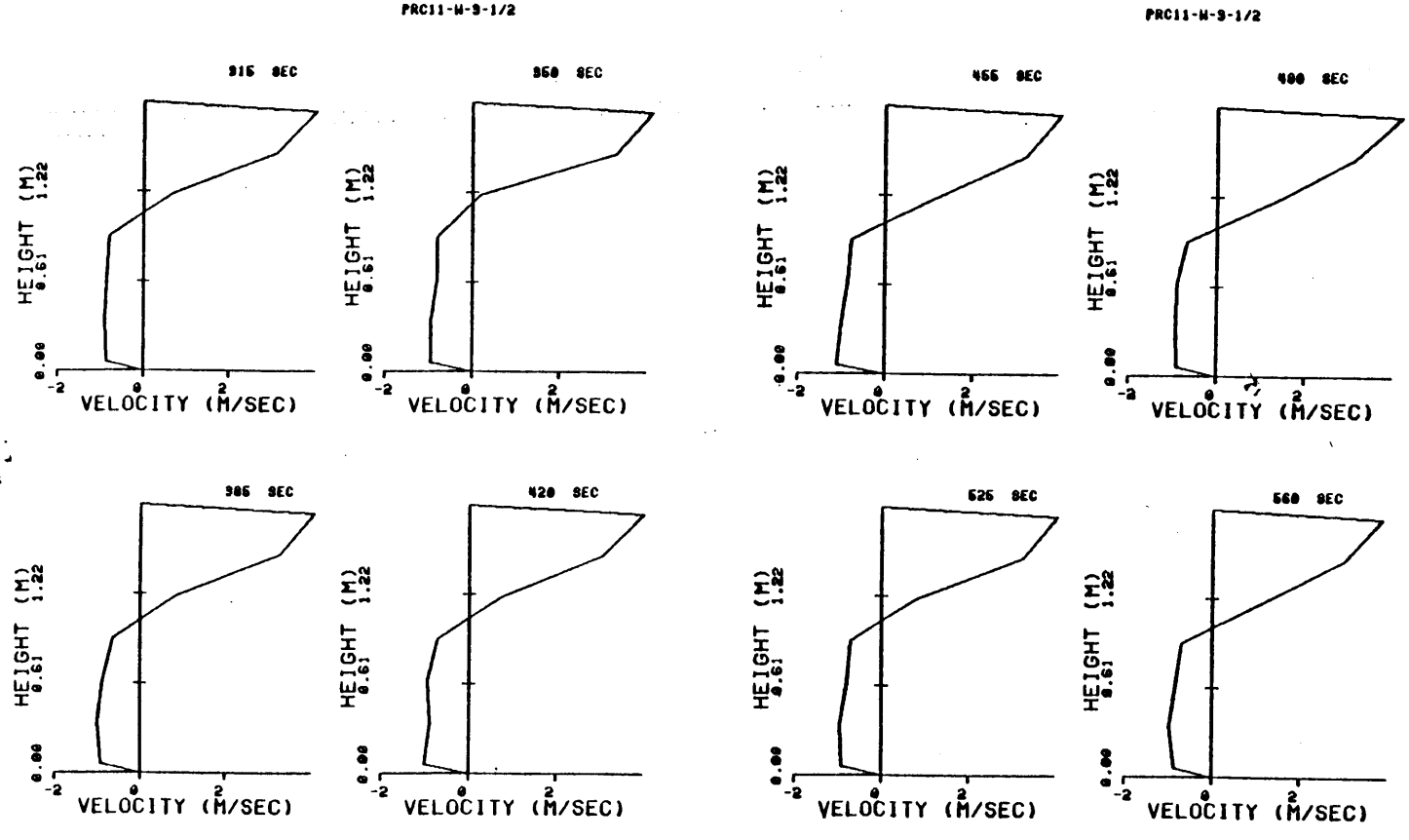
VELOCITY (M/SEC)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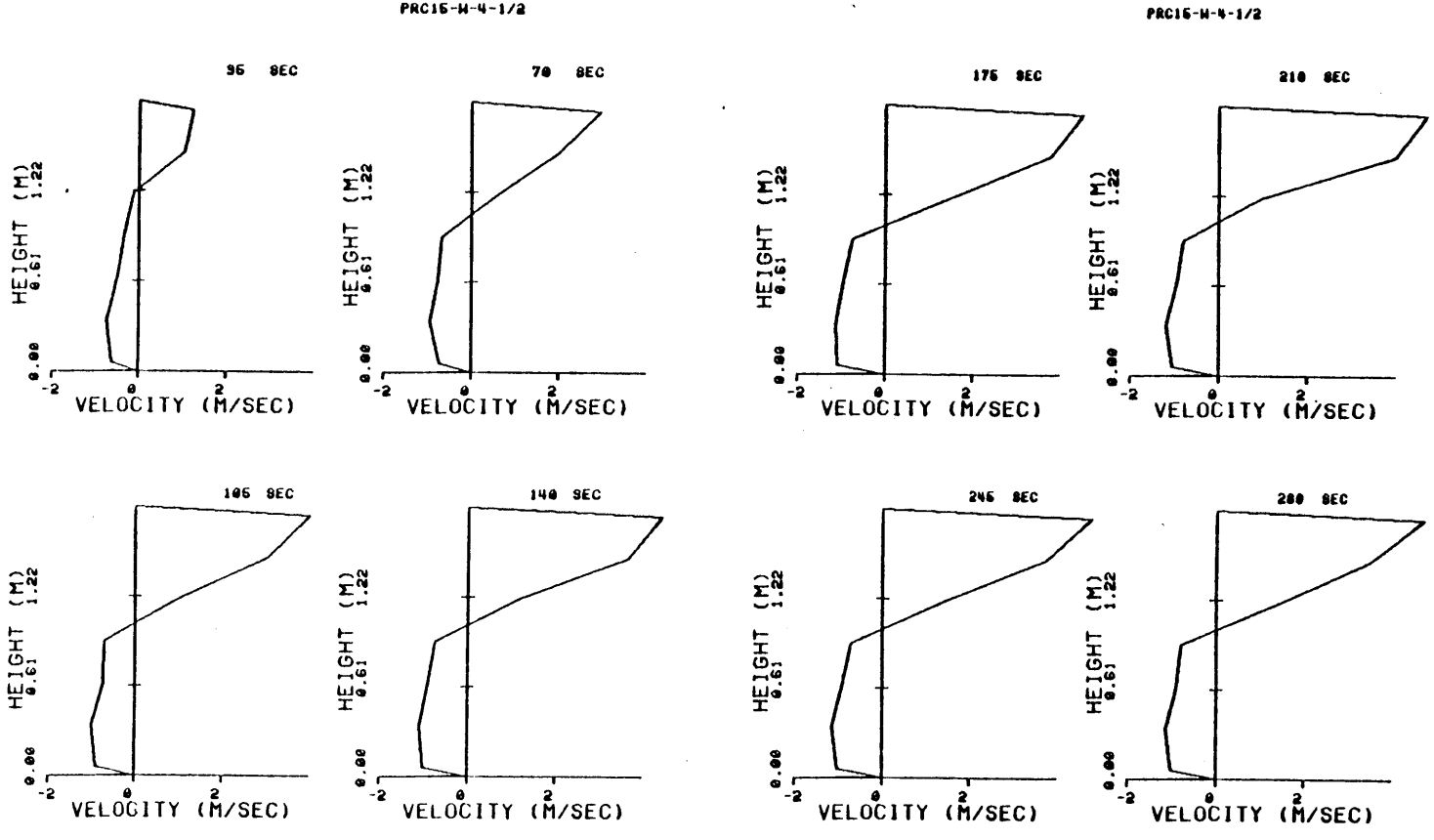
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PRC15-M-4-1/2
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210 SEC
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-2
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VELOCITY (M/SEC)

PRC15-N-4-1/2
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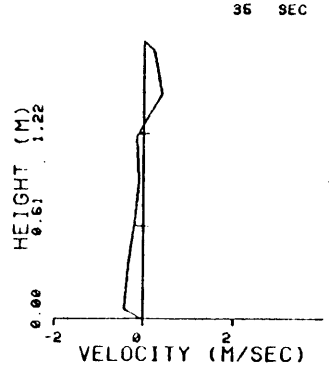
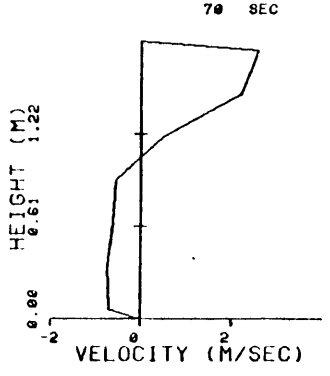
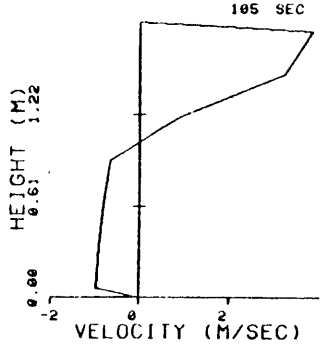
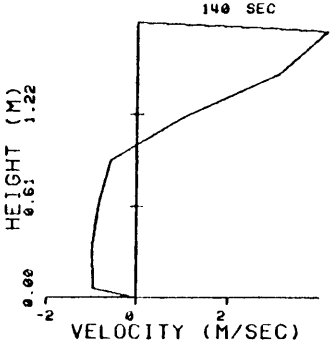
PRC10-P-2-1/2









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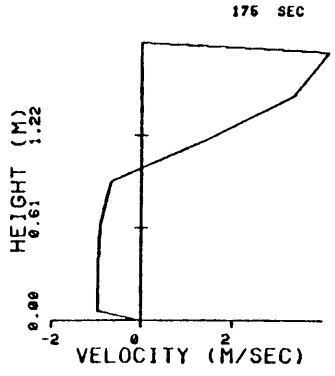

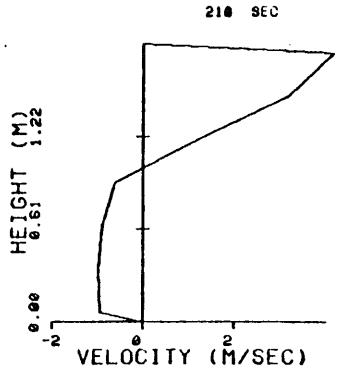

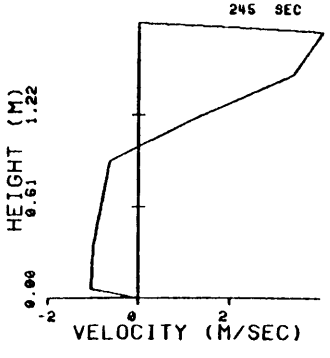

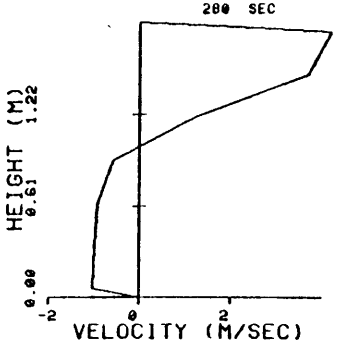

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HEIGHT (M)
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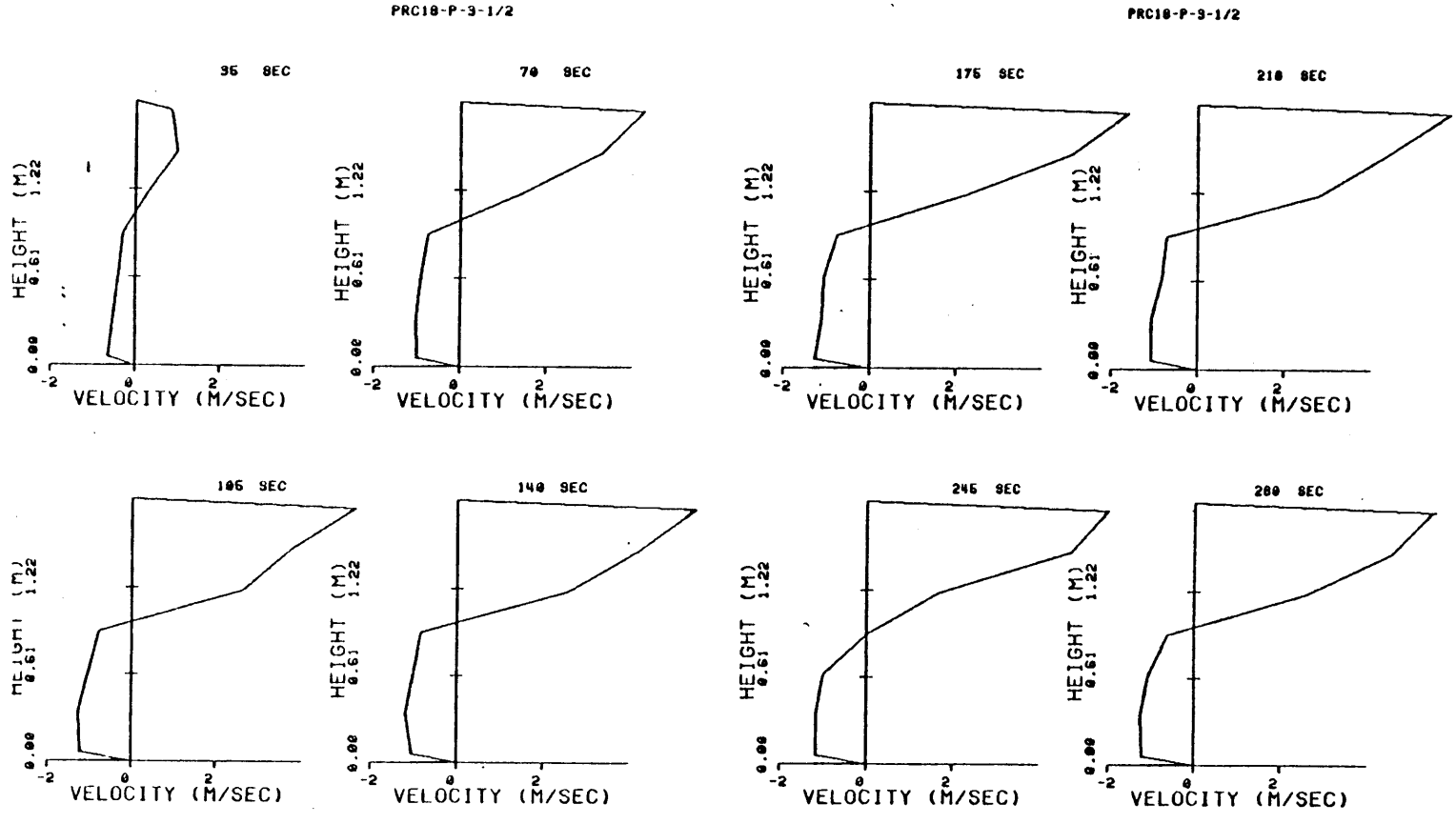
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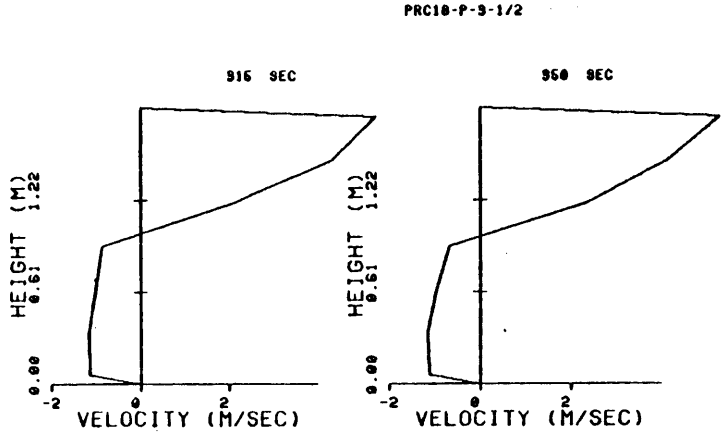
VELOCITY (M/SEC)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1.22
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VELOCITY (M/SEC)

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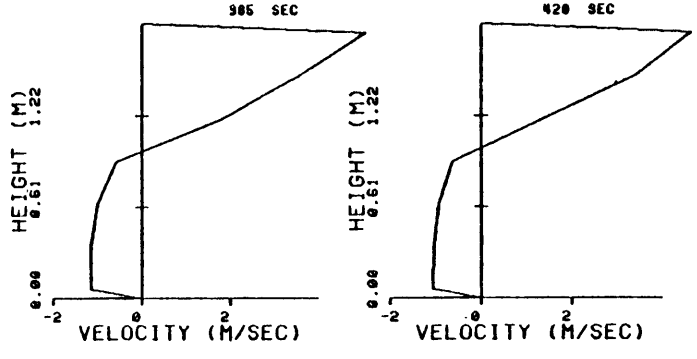
VELOCITY (M/SEC)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VELOCITY (M/SEC)

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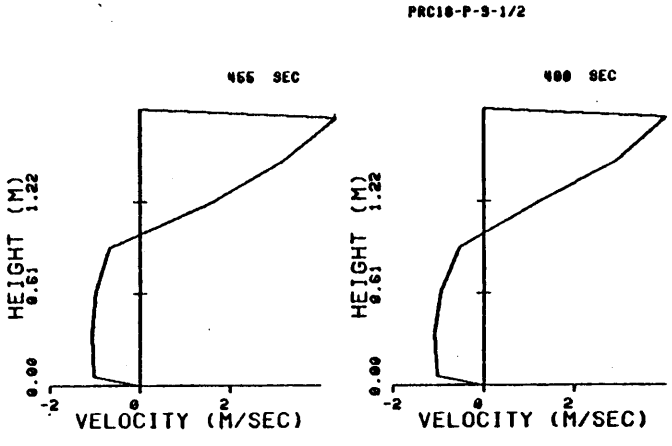
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VELOCITY (M/SEC)

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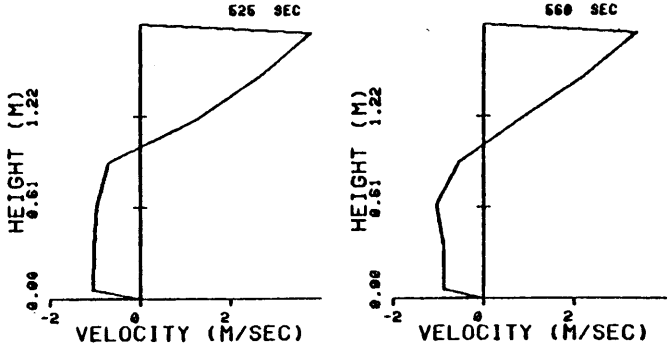
VELOCITY (M/SEC)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VELOCITY (M/SEC)

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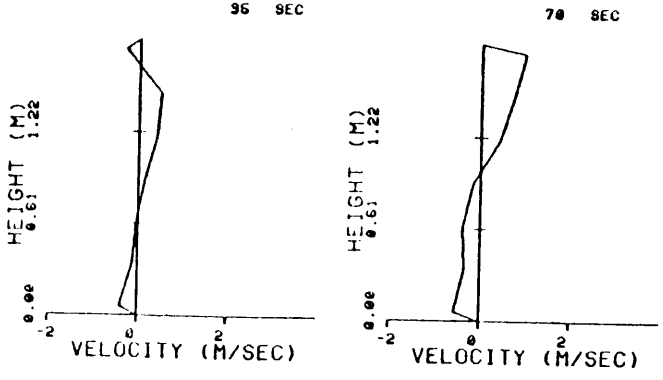
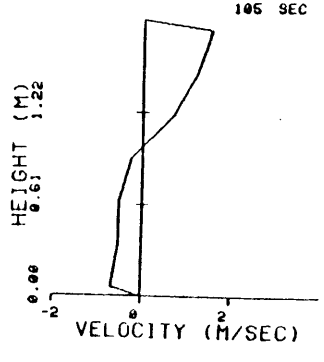
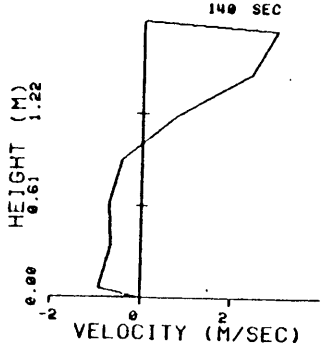
VELOCITY (M/SEC)

PRC13-M-2-1/4







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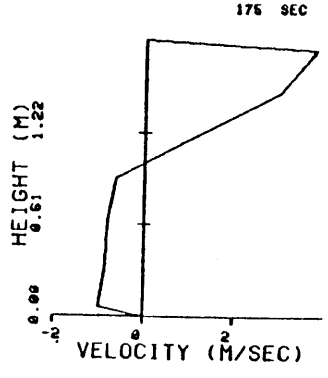

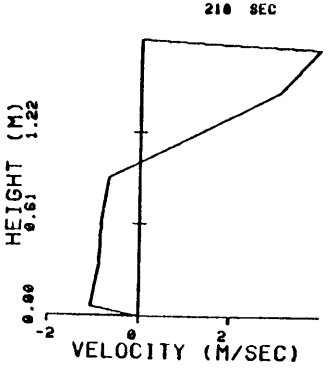

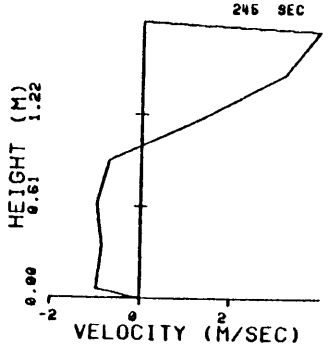

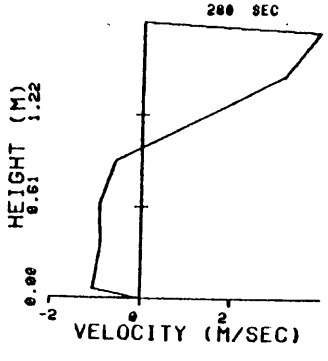

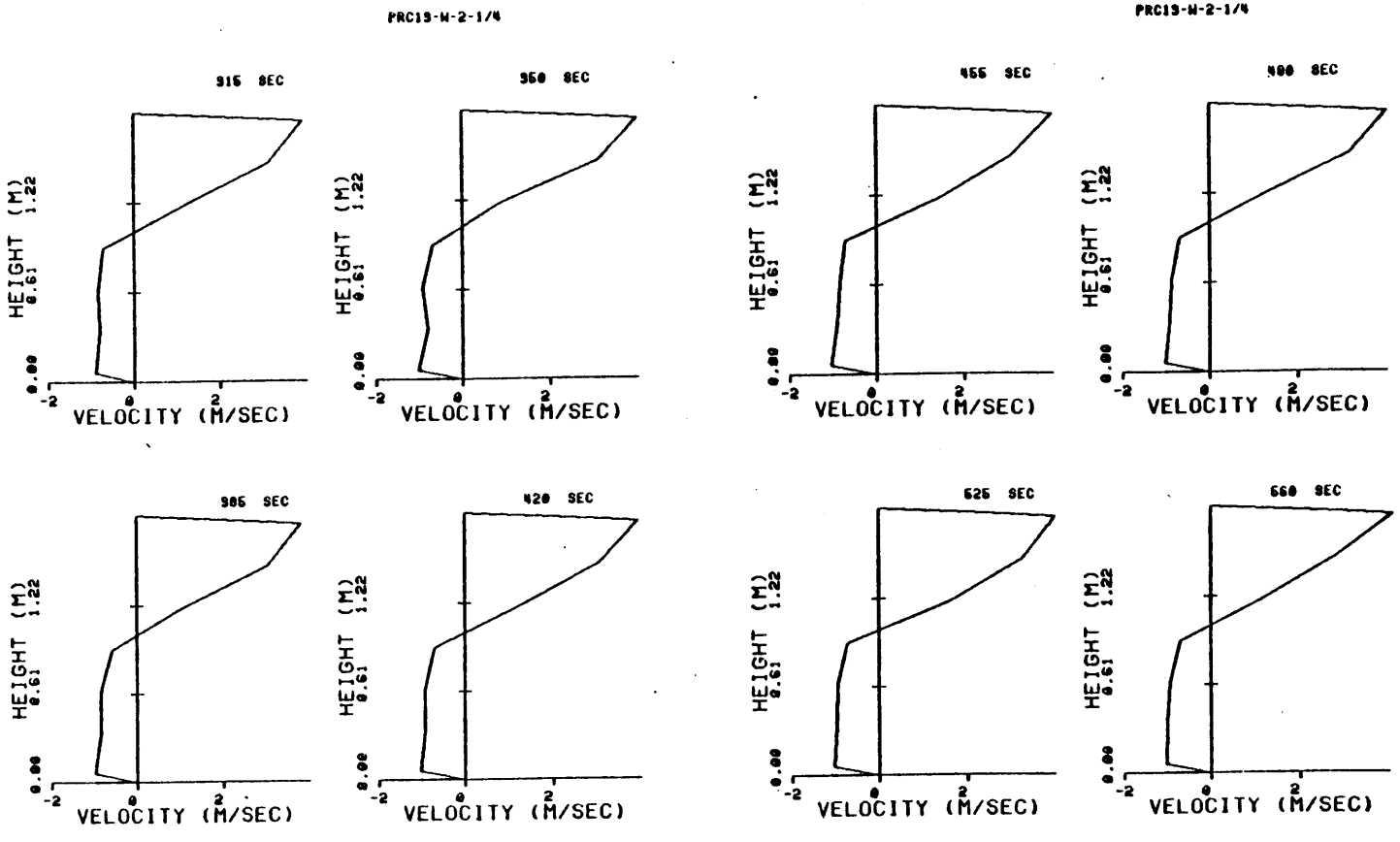
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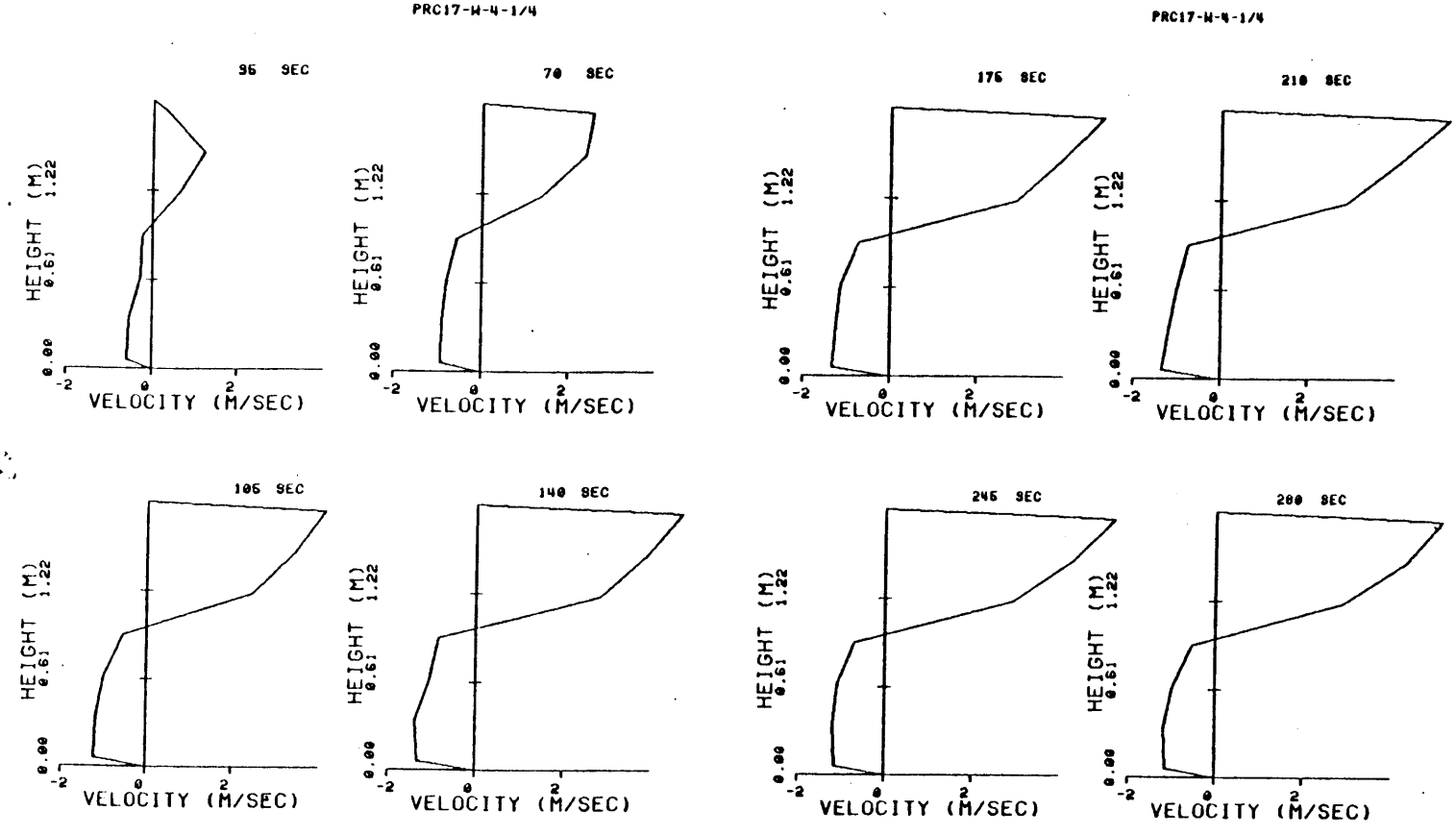
VELOCITY (M/SEC)


PRC17-W-4-1/4
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70 SEC
HEIGHT (M)
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0.00
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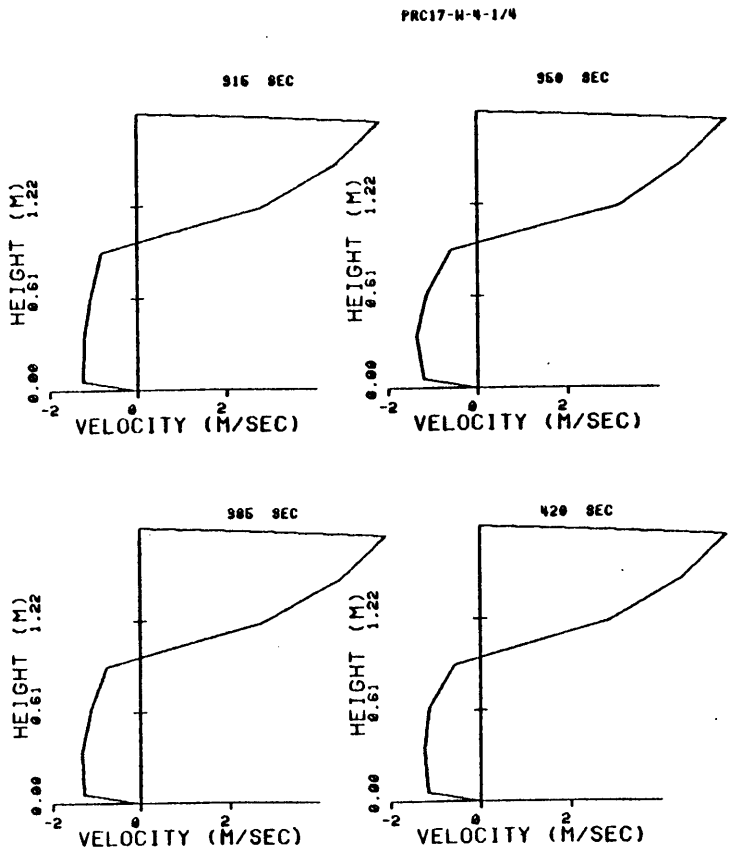
2
VELOCITY (M/SEC)
PRC17-W-4-1/4
175 SEC
210 SEC
105 SEC
140 SEC
245 SEC
280 SEC


PRC17-M-N-1/4
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950 SEC
HEIGHT (M)
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0.61
0.00
-2
0
2
VELOCITY (M/SEC)

985 SEC
420 SEC
HEIGHT (M)
1.22
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-2
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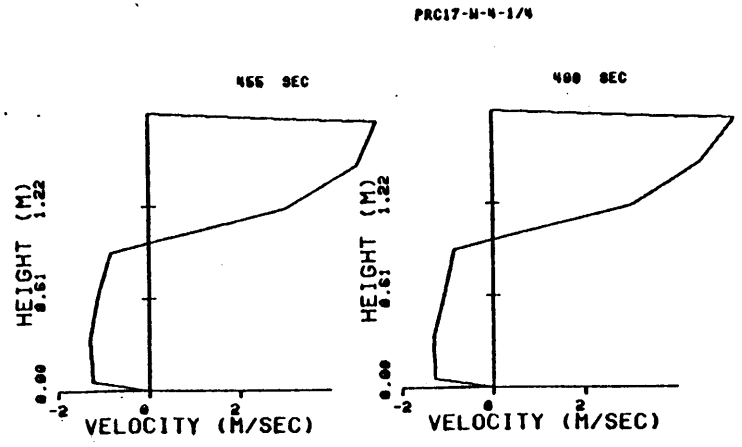
2
VELOCITY (M/SEC)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HEIGHT (M)
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0.00
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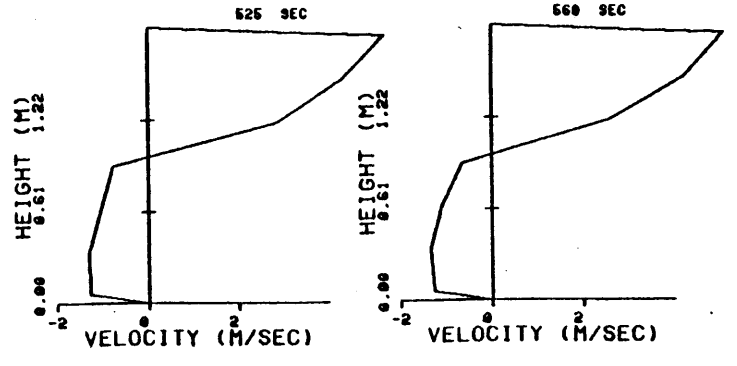
0
2
VELOCITY (M/SEC)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560 SEC
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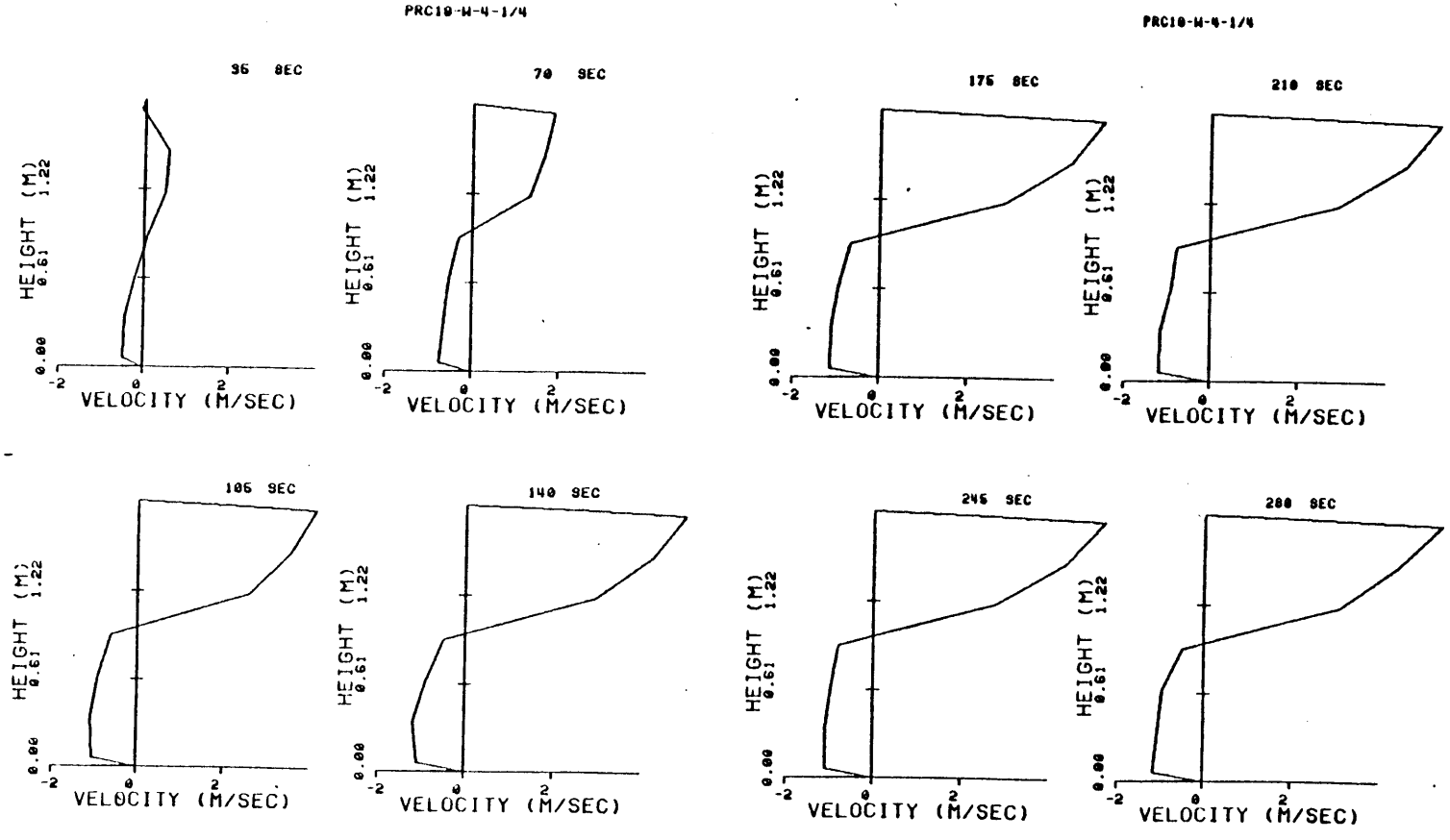
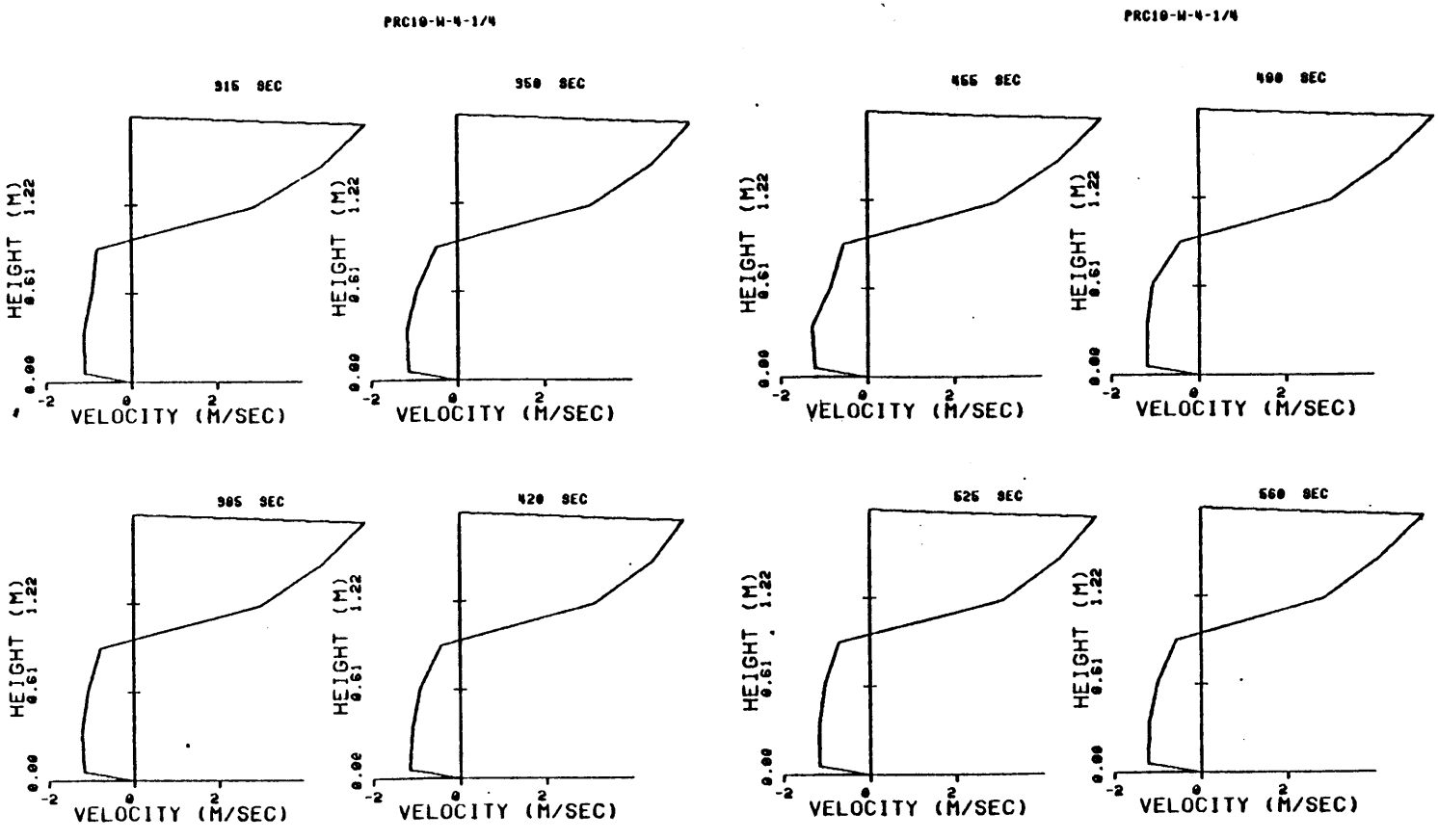
-2
0
2
VELOCITY (M/SEC)


PRC10-W-4-1/4
35 SEC
70 SEC
105 SEC
140 SEC
PRC10-W-4-1/4
175 SEC
210 SEC
245 SEC
280 SEC
HEIGHT (M)
1.22
0.61
0.00
-2
0
2
VELOCITY (M/SEC)


PRC10-W-4-1/4
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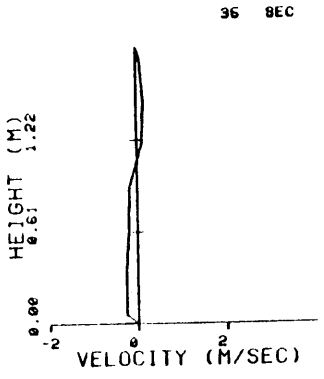
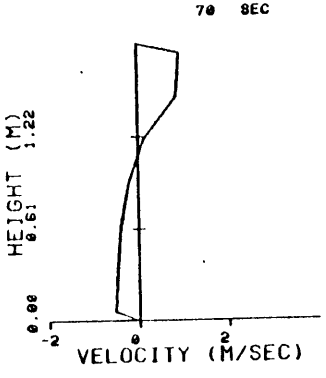
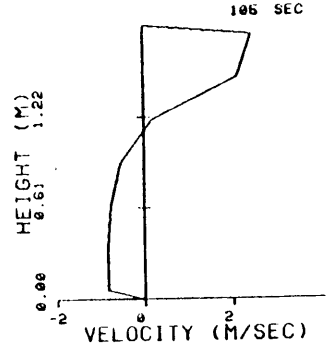
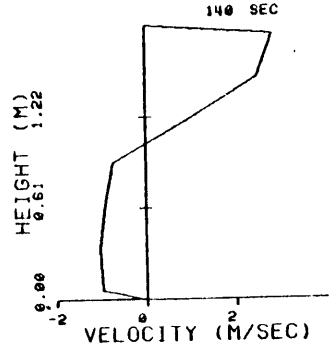
950 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)
PRC10-W-4-1/4
455 SEC
490 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)
985 SEC
420 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)
525 SEC
560 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)

PRC12-P-1-1/4









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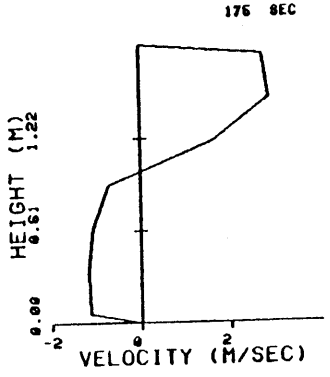

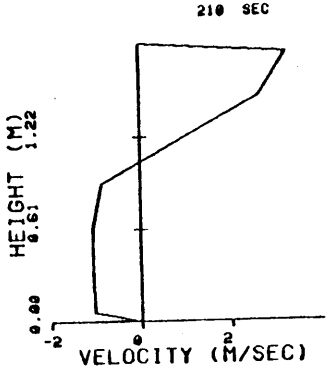

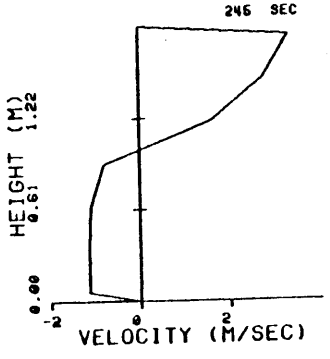

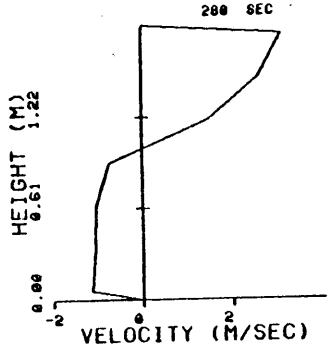

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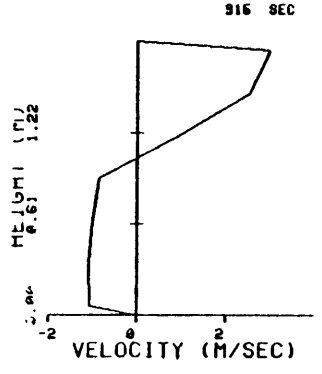

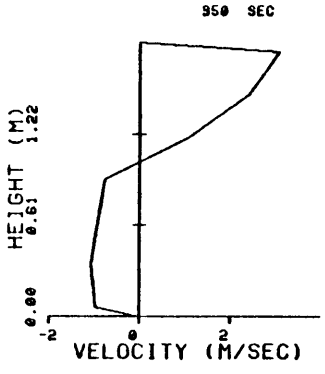

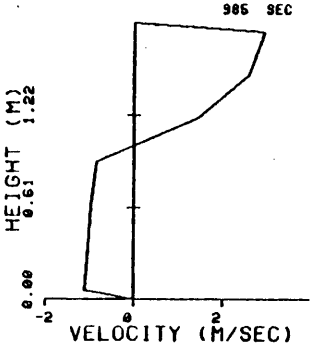

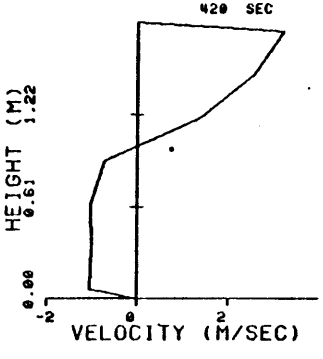

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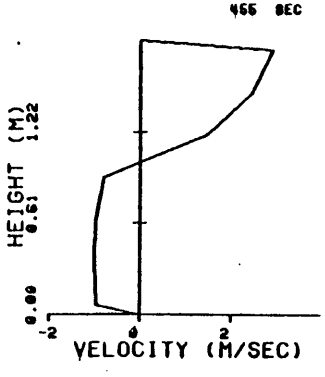

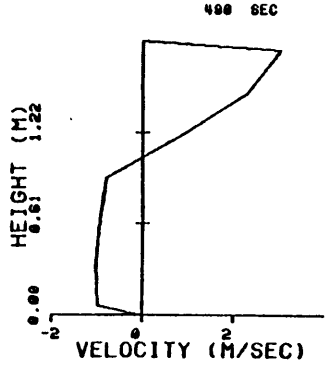

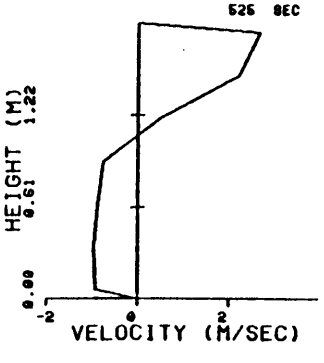

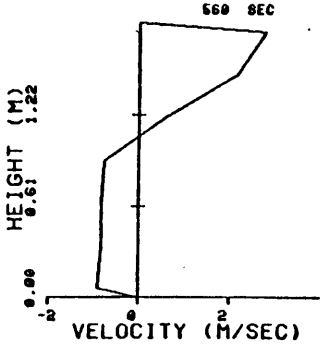

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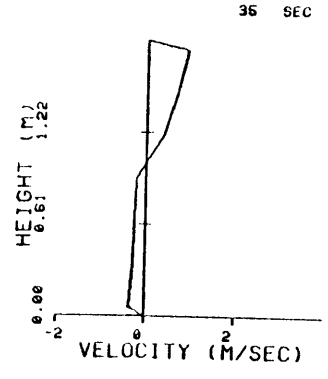

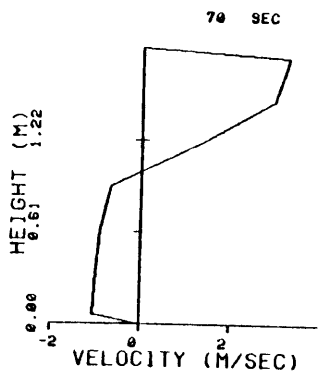

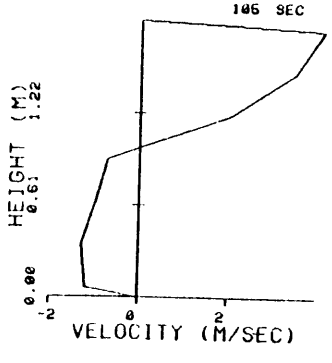

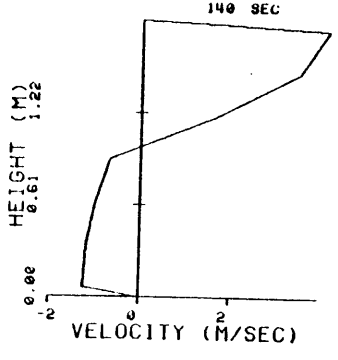

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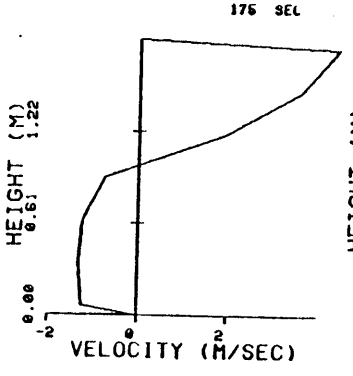
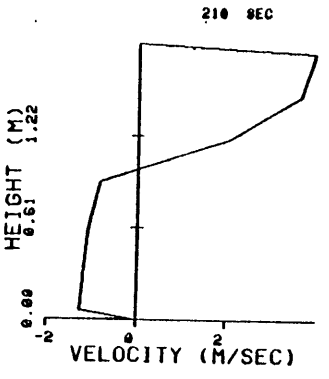
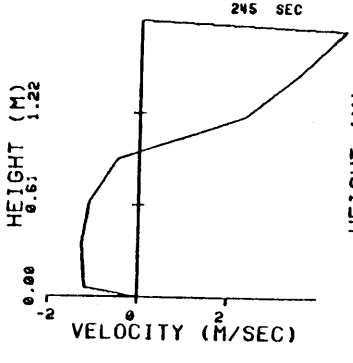
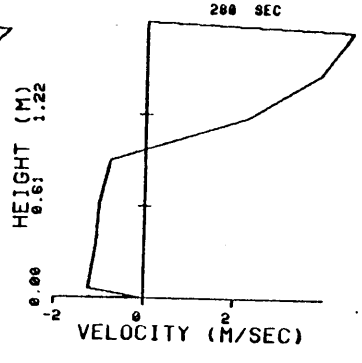


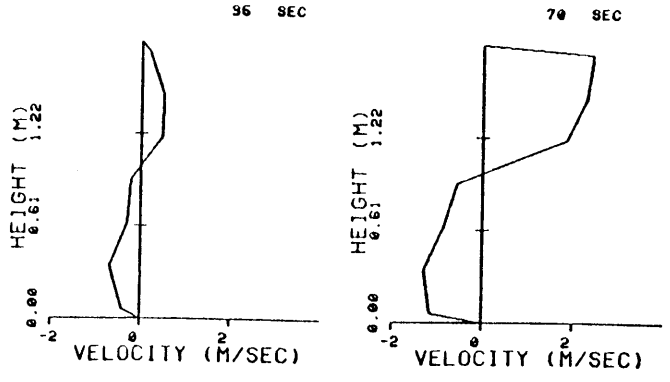


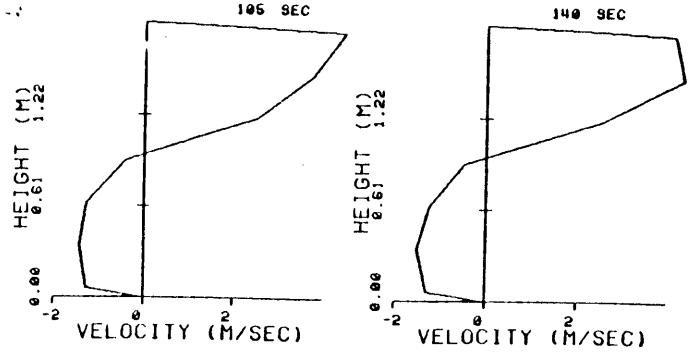




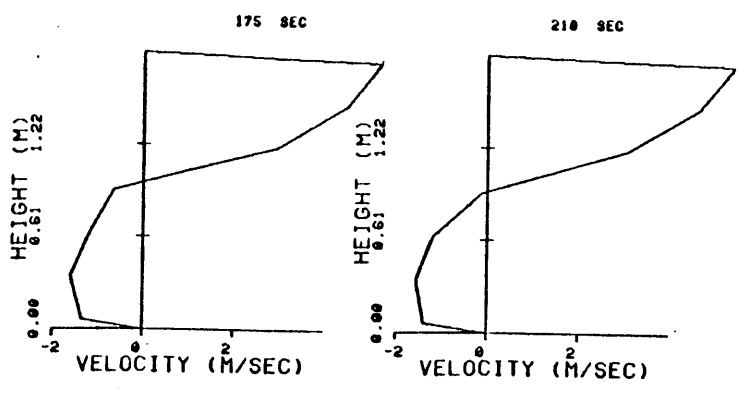
PRC14-P-2-1/4
490 SEC
560 SEC
455 SEC
525 SEC
950 SEC
420 SEC
915 SEC
985 SEC
VELOCITY (M/SEC)
HEIGHT (M)
0.00
0.61
1.22
-2
0
2

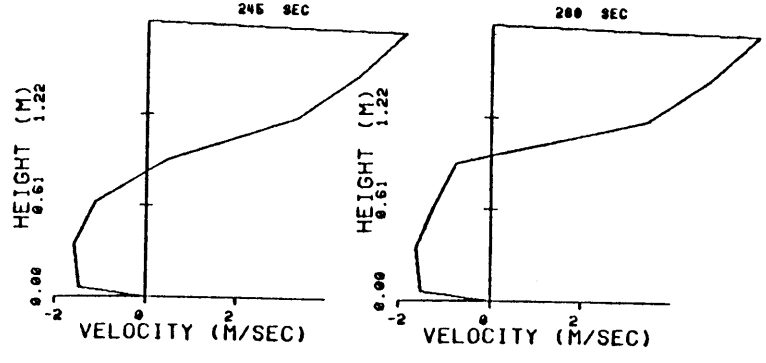
PRC16-P-9-1/4

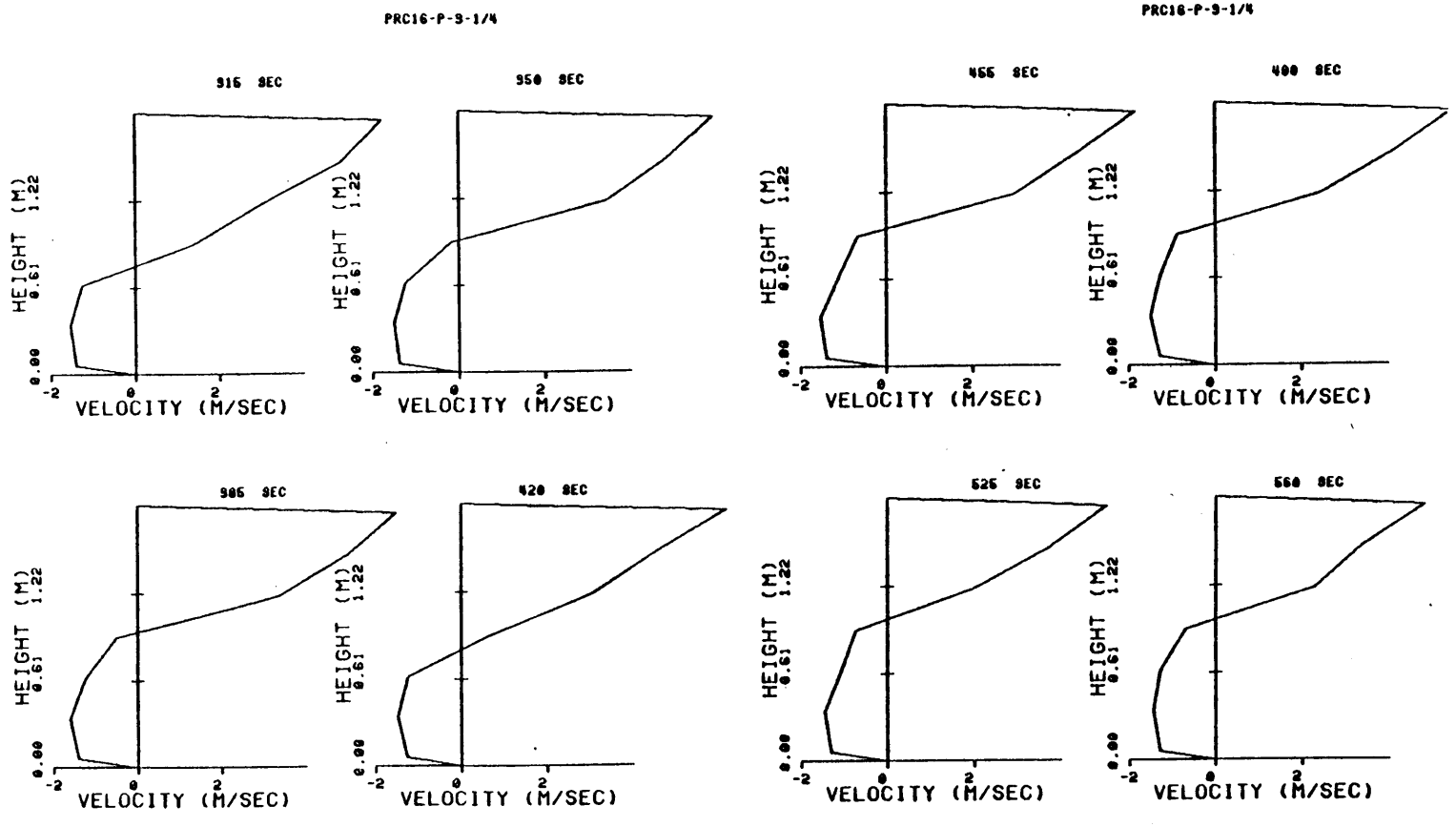




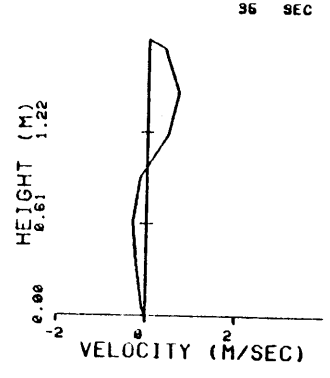
PRC18-P-9-1/4

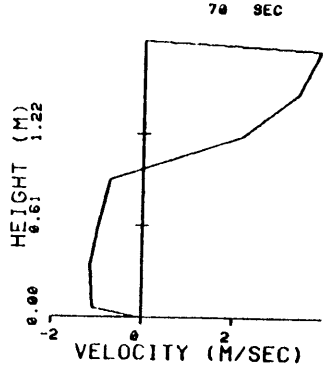





PRC16-P-9-1/4
915 SEC
950 SEC
985 SEC
420 SEC
PRC16-P-9-1/4
455 SEC
490 SEC
525 SEC
560 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)

PRC20-P-3-1/4





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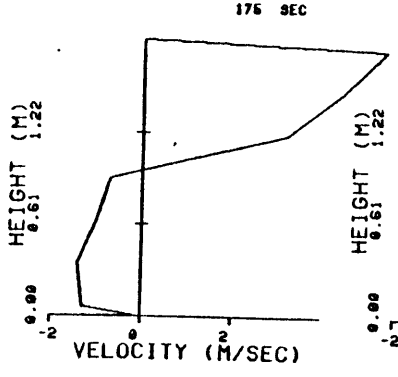
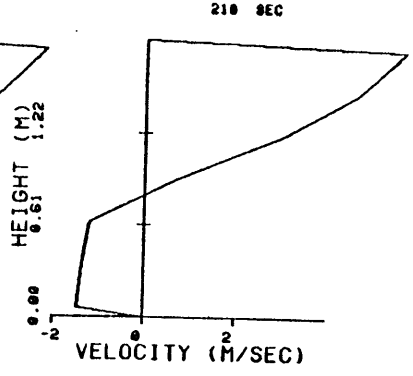
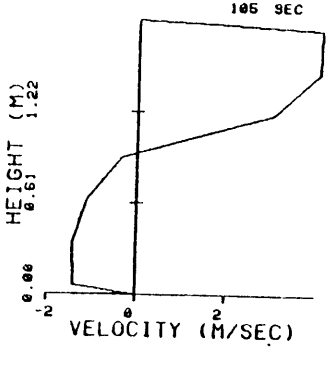
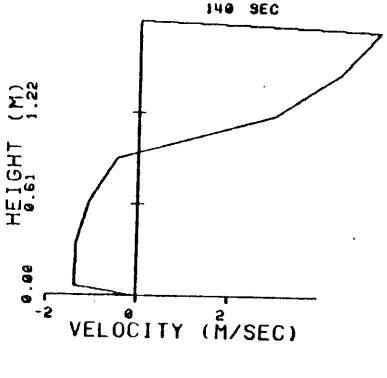
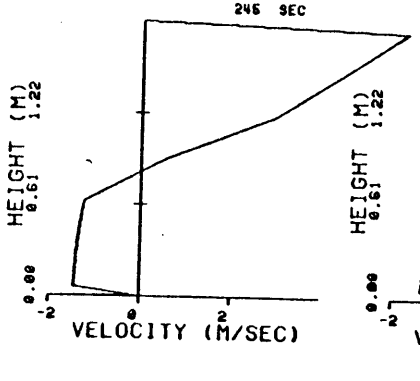
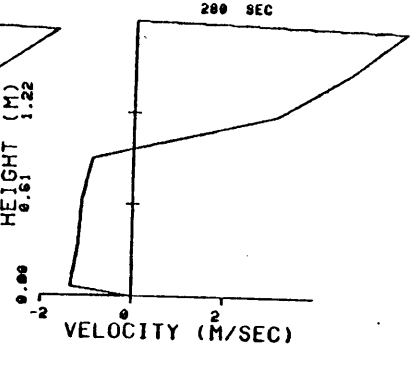


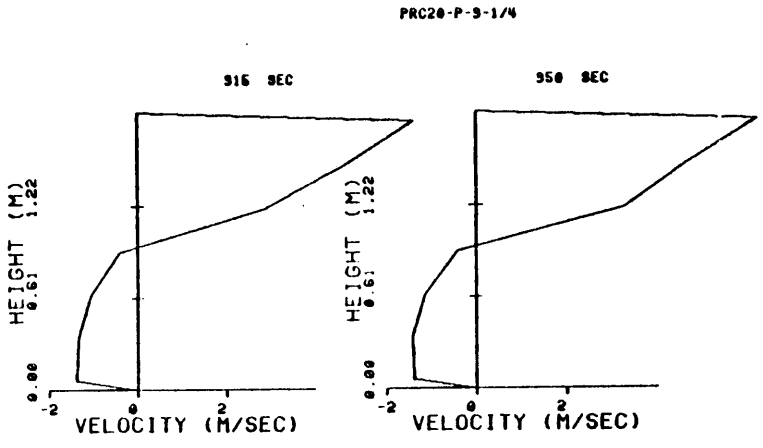




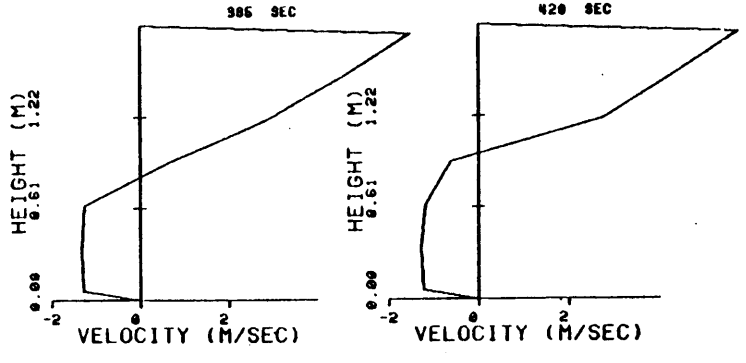




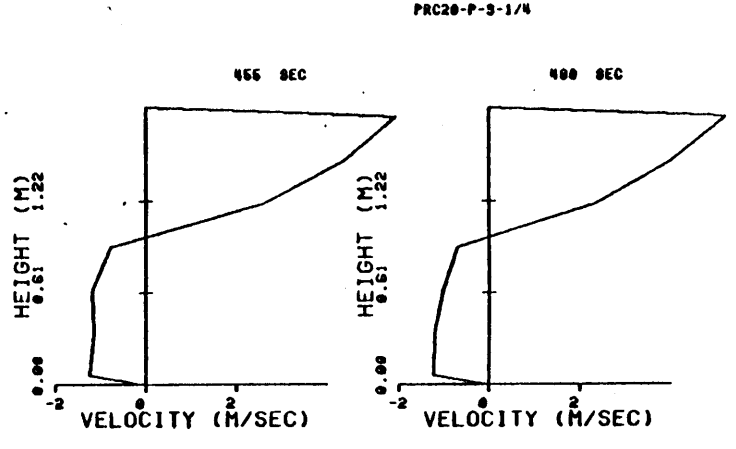



PRC20-P-9-1/4
315 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)

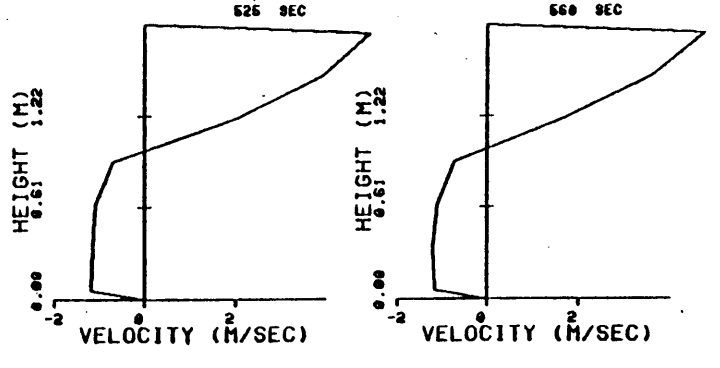
350 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)


385 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)

420 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)


PRC20-P-9-1/4
455 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)

490 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)


525 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)

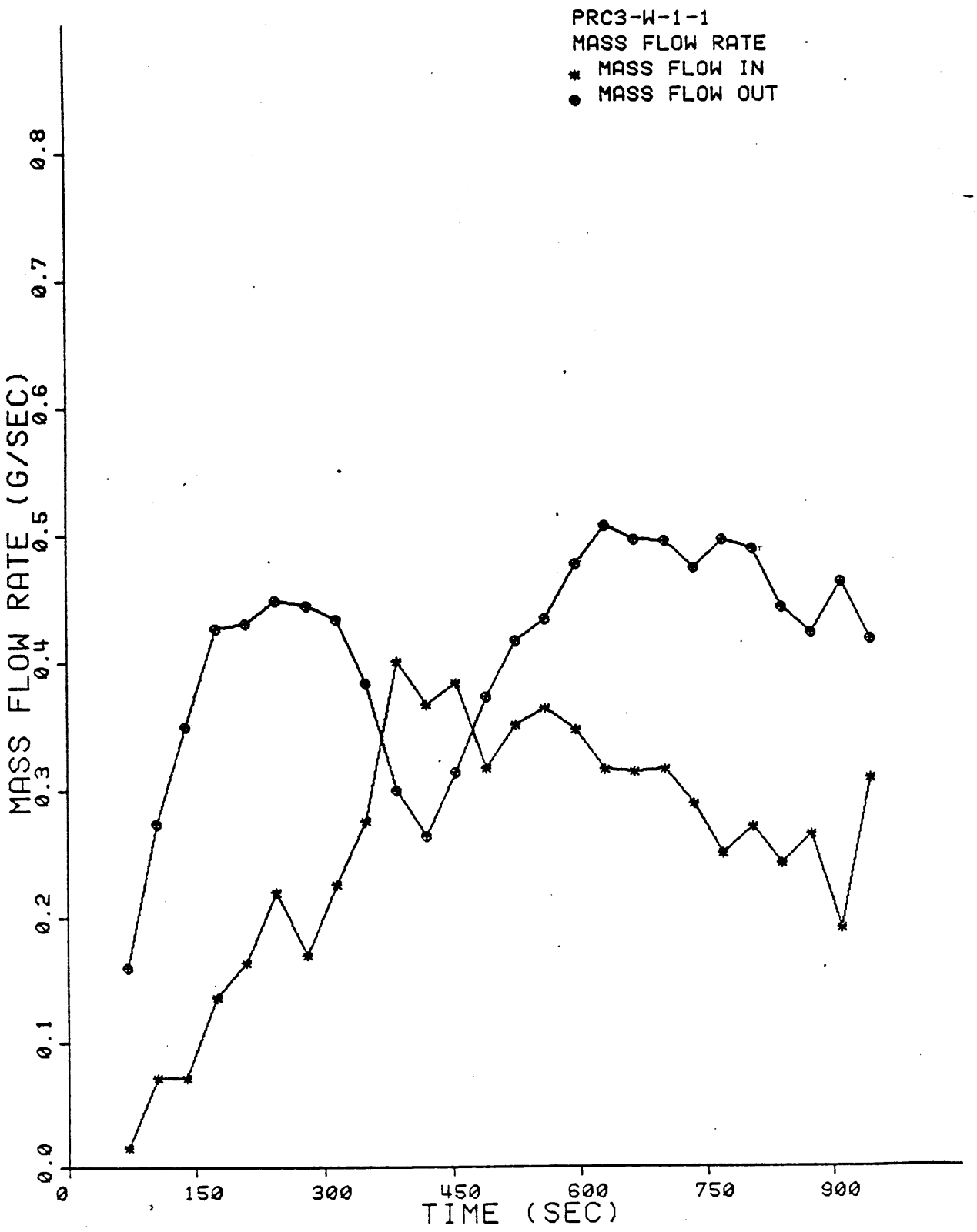
560 SEC
HEIGHT (M)
0.00
0.61
1.22
-2
0
2
VELOCITY (M/SEC)

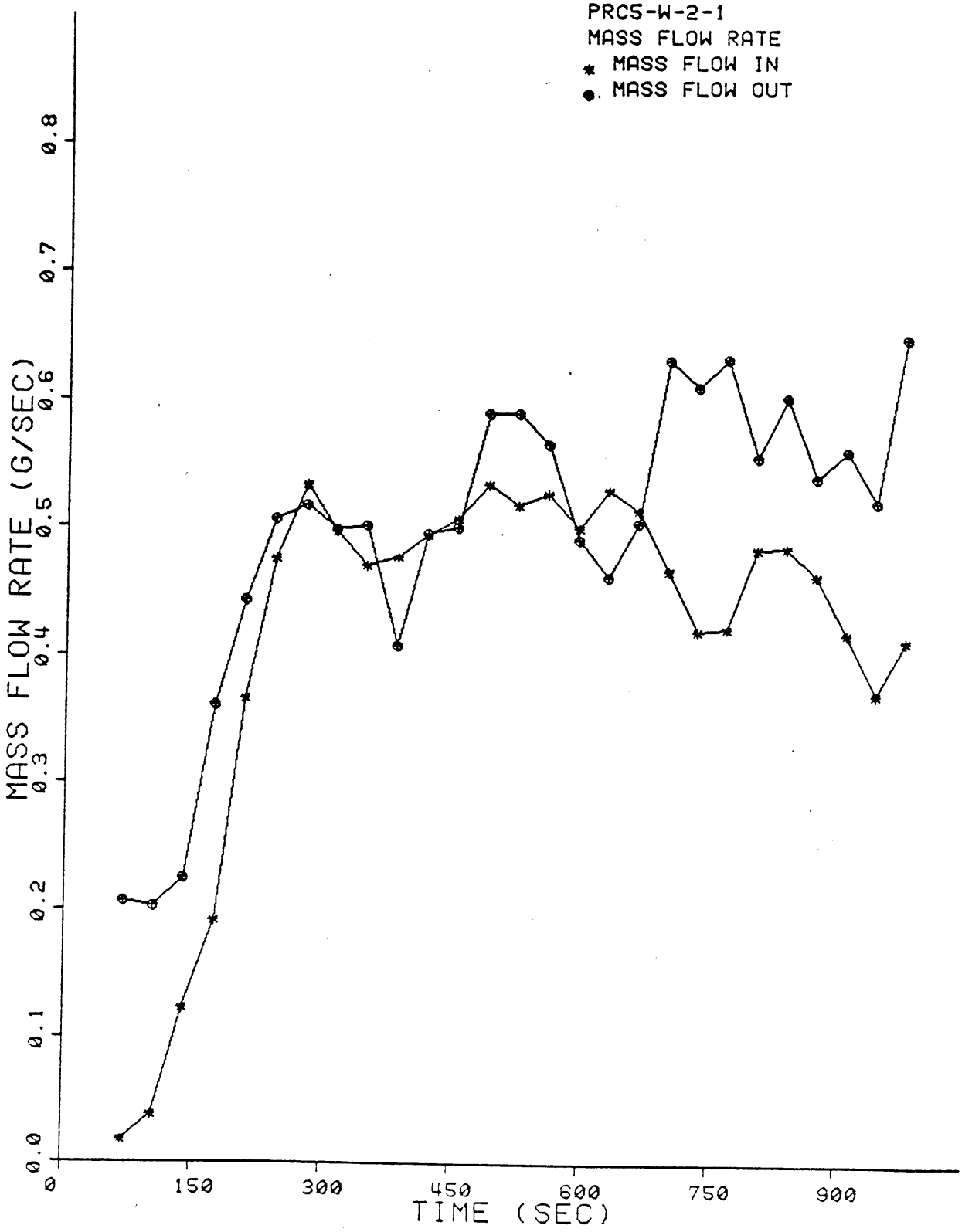
8. DOORWAY MASS FLOW RATE

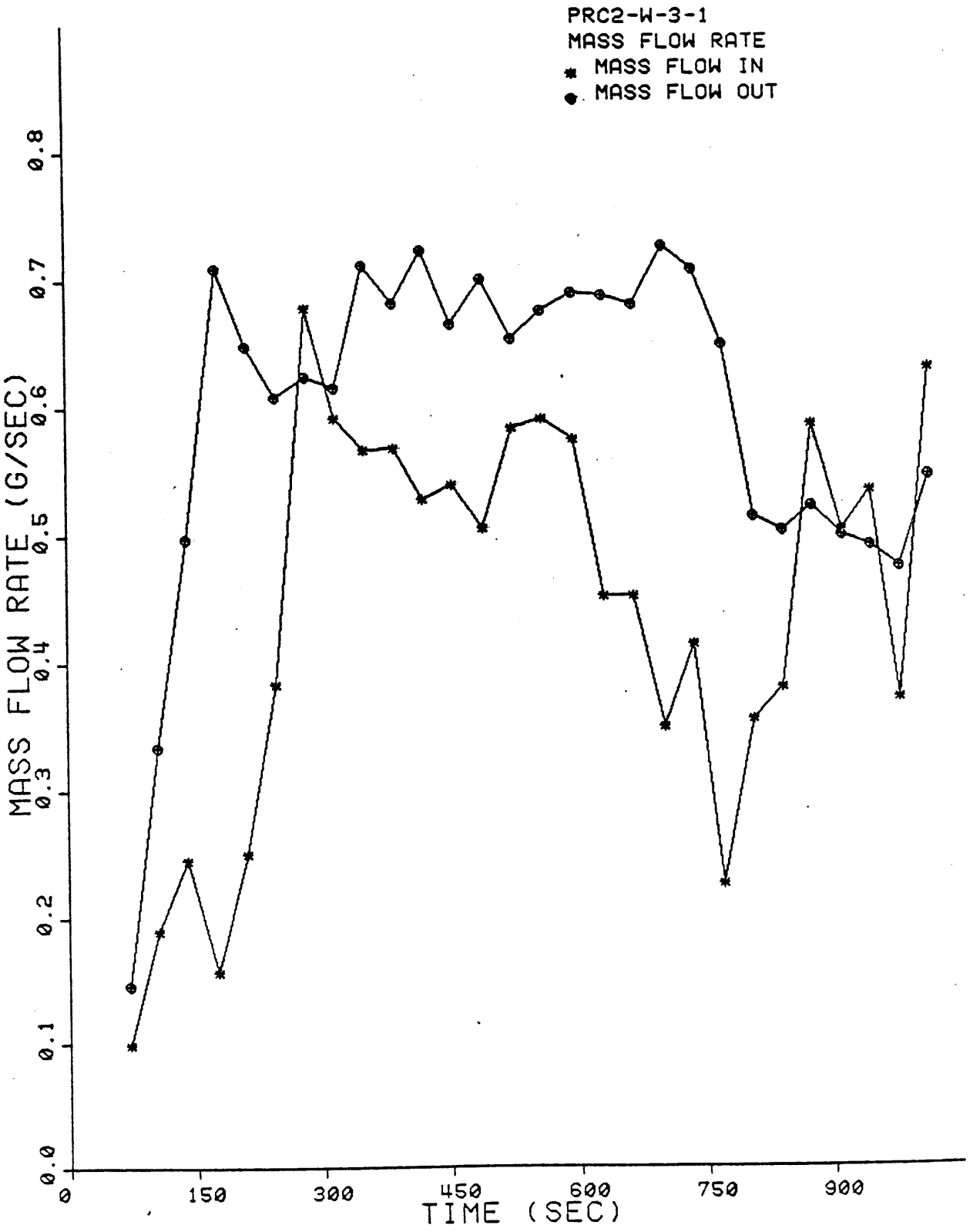
The mass flow rate of combustion products out of the room and airflow into the room was calculated from the velocity and density (temperature) measurements at the centerline of the doorway. The equation is

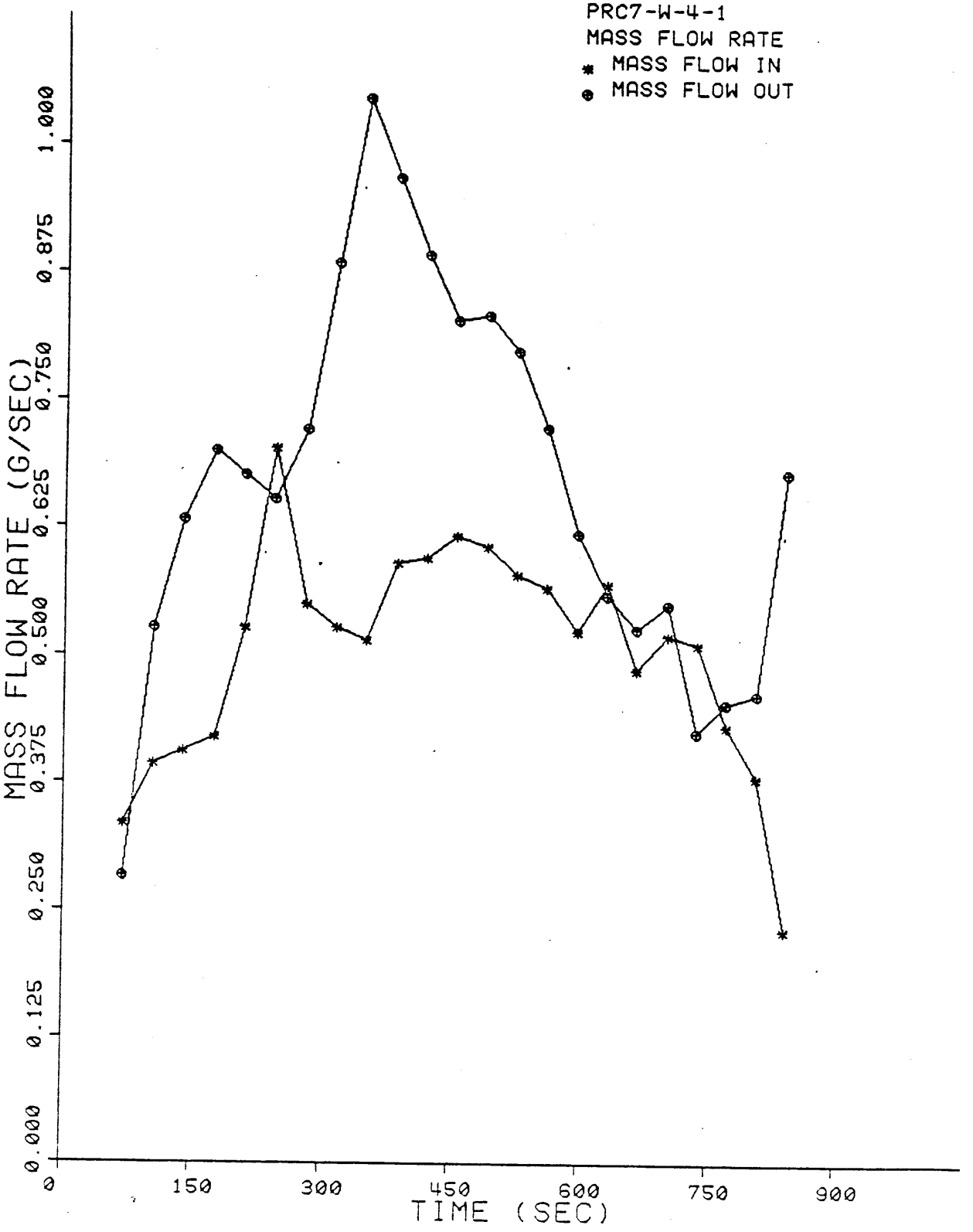
$$\dot{m} = W_o \int \rho_a \, T_a \, (V/T) \, dy$$

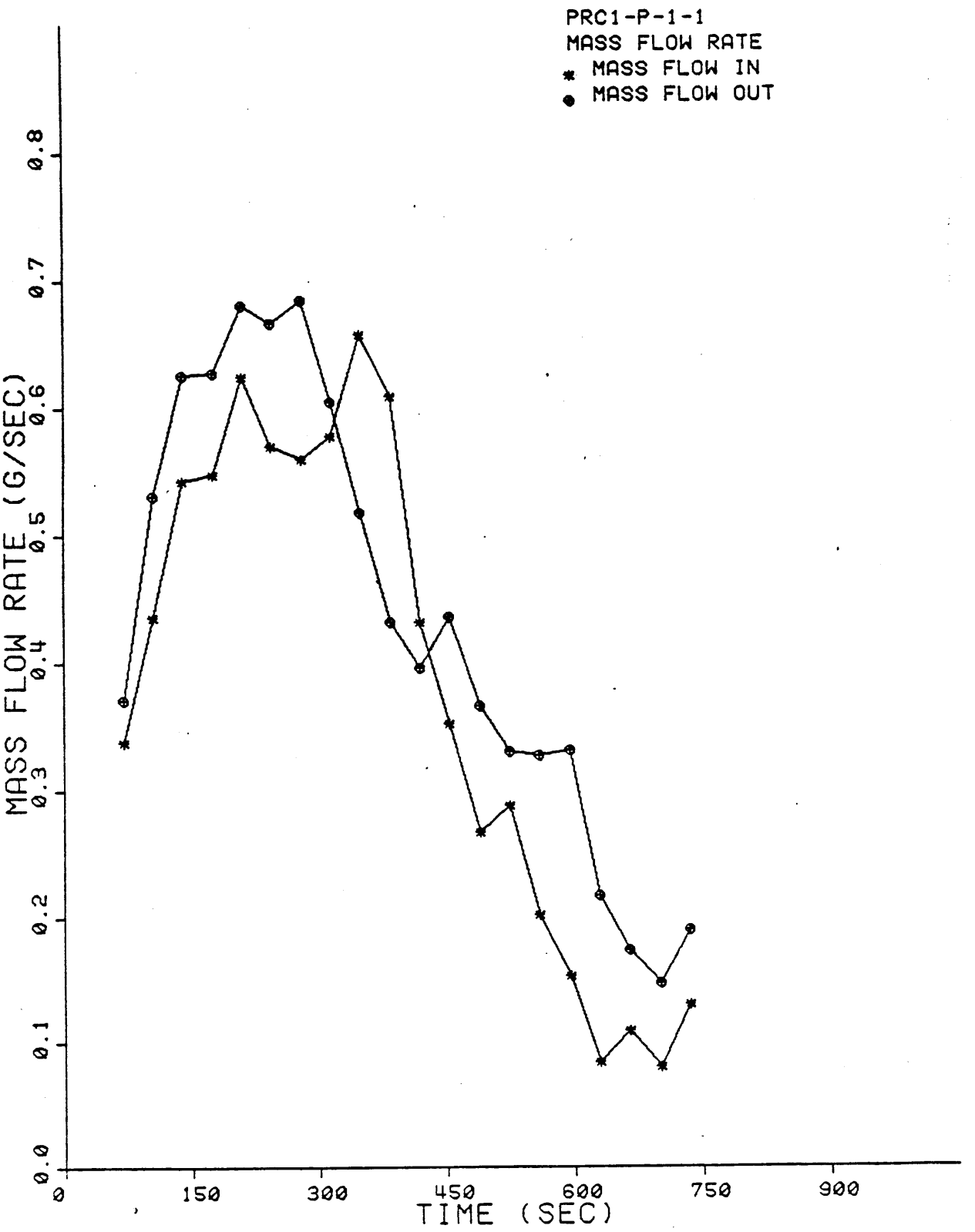
where the velocity and temperature was assumed invariant over the doorway width. The perfect gas state equation for air was used where ρ_a T_a are reference values of density and temperature. The integral was taken over the bottom (or top) of the doorway to the neutral plane and the integral was evaluated by a trapezodial formula. The position of the neutral plane was found by linear extrapolation of the velocity data at the flow reversal point in the doorway. It should be realized that our data acquisition limitations led to a complete vertical velocity traverse every 35 seconds. Hence, the integral was evaluated every 35 seconds. Because of the inherent fluctuation of the velocity due to turbulence, and the transient changes due to fire growth and decay, a "smoothing" process was applied to this calculation. For all experiments the data results presented represent a running three-point average of the mass flow rate over 35-second intervals. The average was assigned to the mid-point. Also, for each run following PRC 8, the pressure signal from each transducer was electronically averaged, and this result was recorded every 35 seconds. The results of these calculations are shown in figures 8-1 through 8-20. The results appear much smoother following PRC 8 due to this electronic signal averaging process. The lack of mass balance in the results is a serious problem which could have been remedied by more comprehensive measurements.

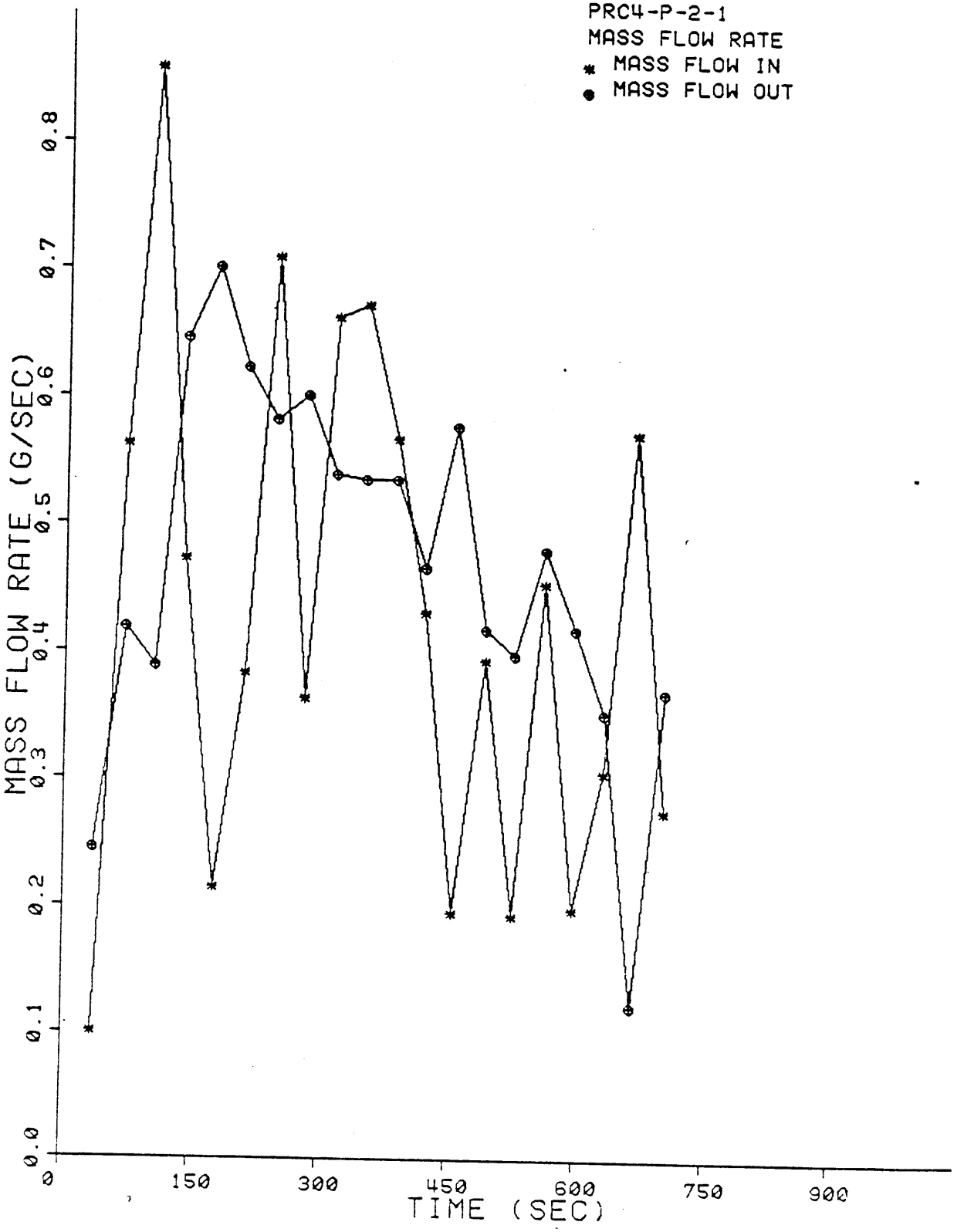

PRC3-W-1-1
MASS FLOW RATE
MASS FLOW IN
MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

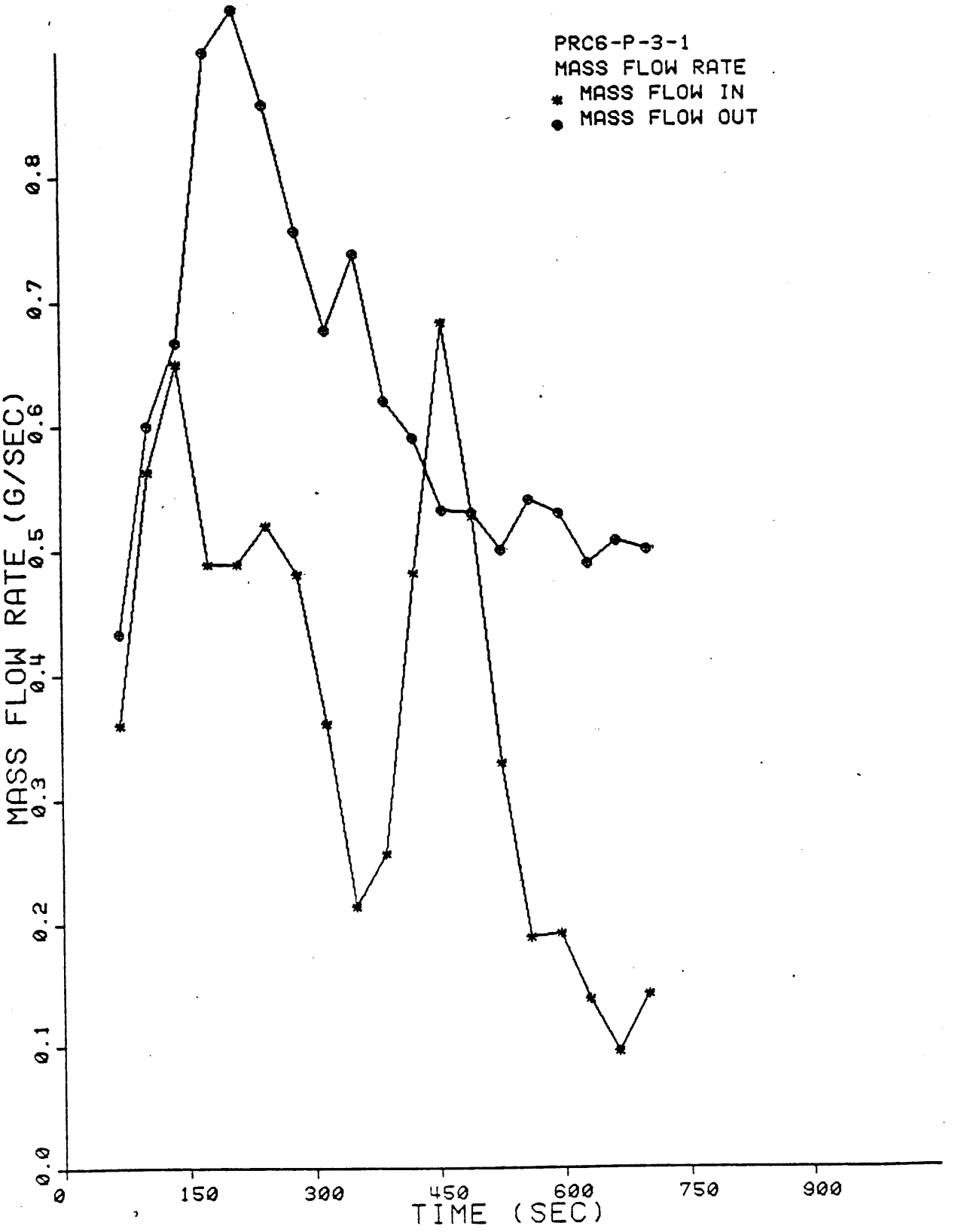

PRC5-W-2-1
MASS FLOW RATE
* MASS FLOW IN
● MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

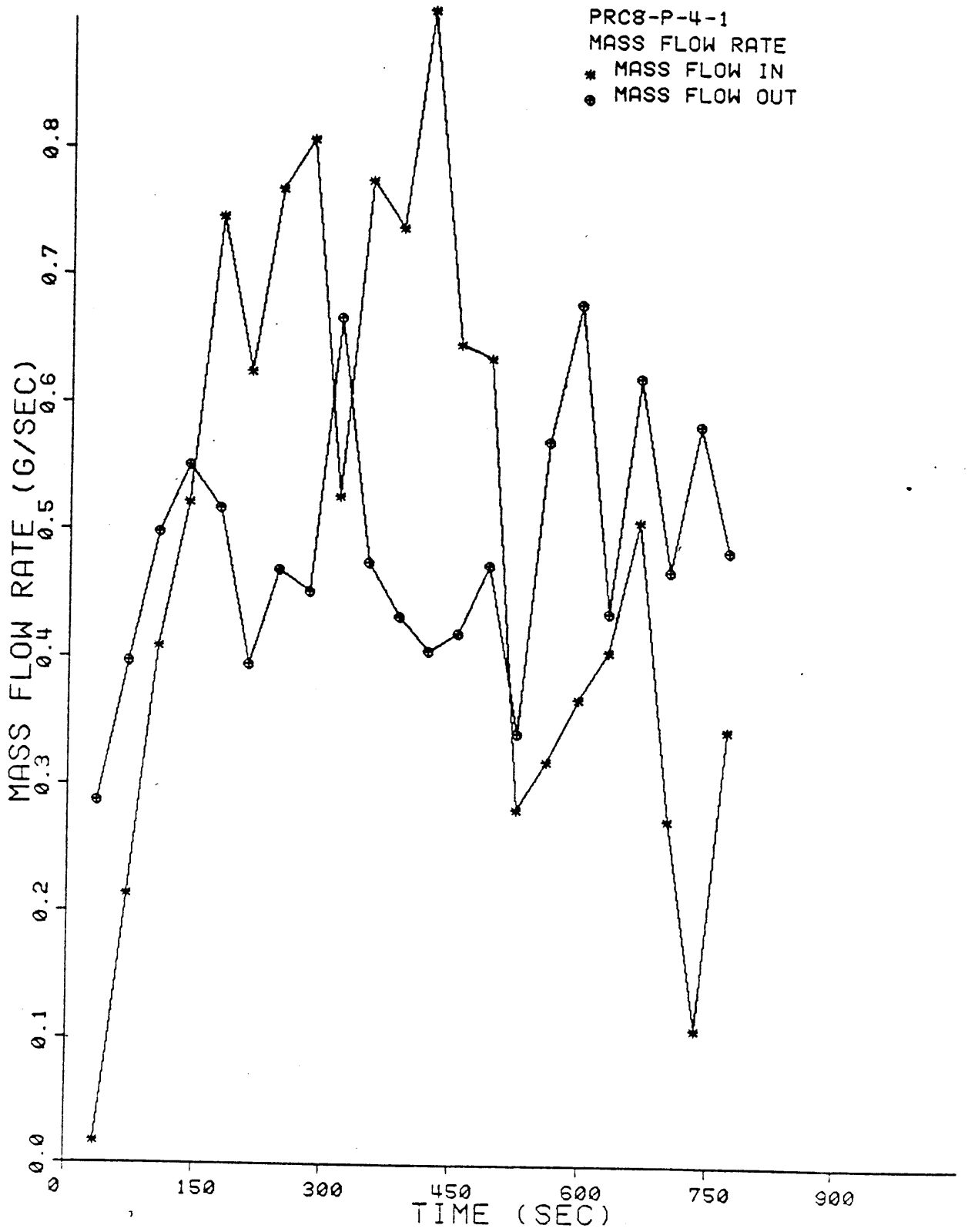

PRC2-W-3-1
MASS FLOW RATE
* MASS FLOW IN
● MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

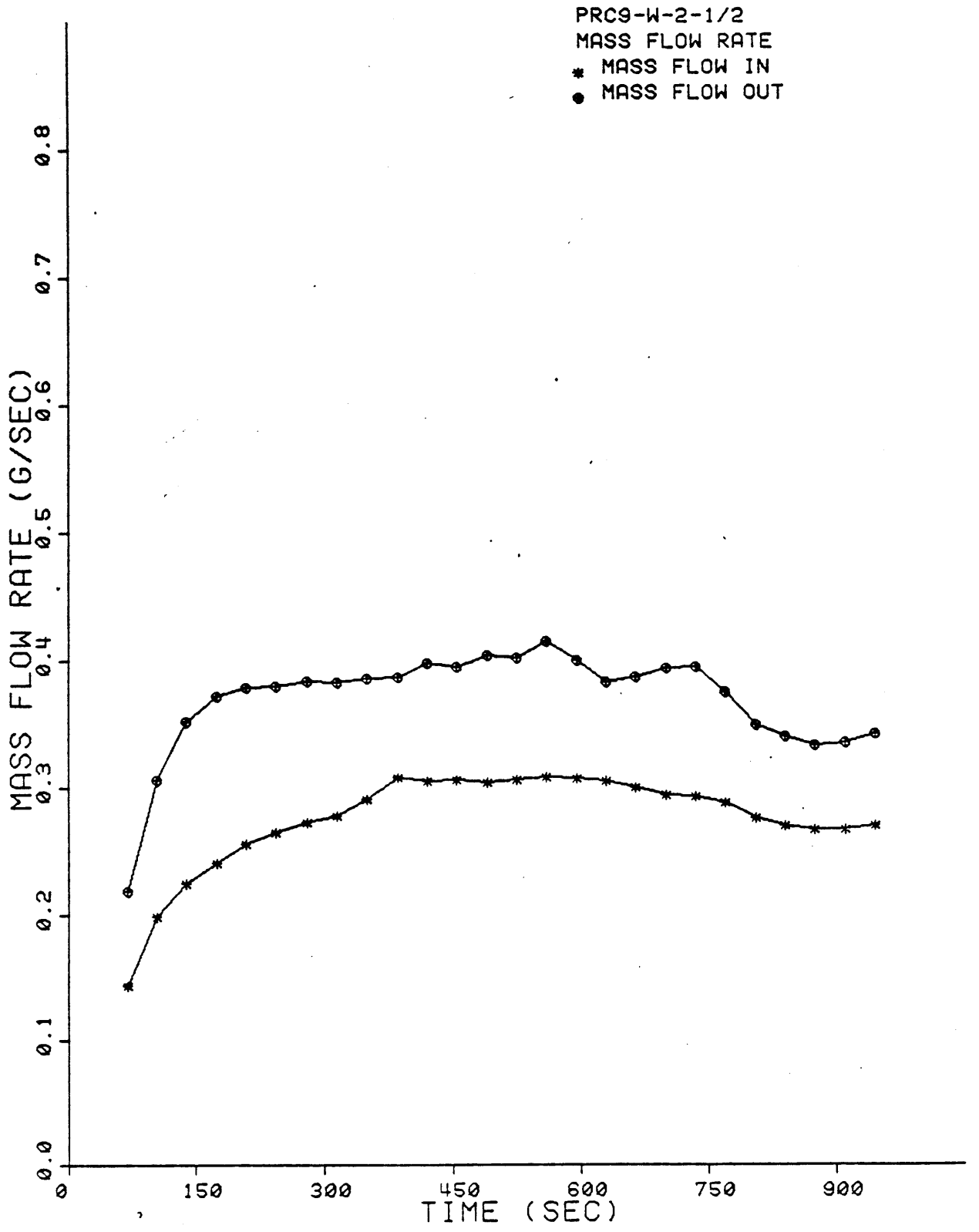

PRC7-W-4-1
MASS FLOW RATE
* MASS FLOW IN
⊕ MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.000
0.125
0.250
0.375
0.500
0.625
0.750
0.875
1.000
0
150
300
450
600
750
900
TIME (SEC)

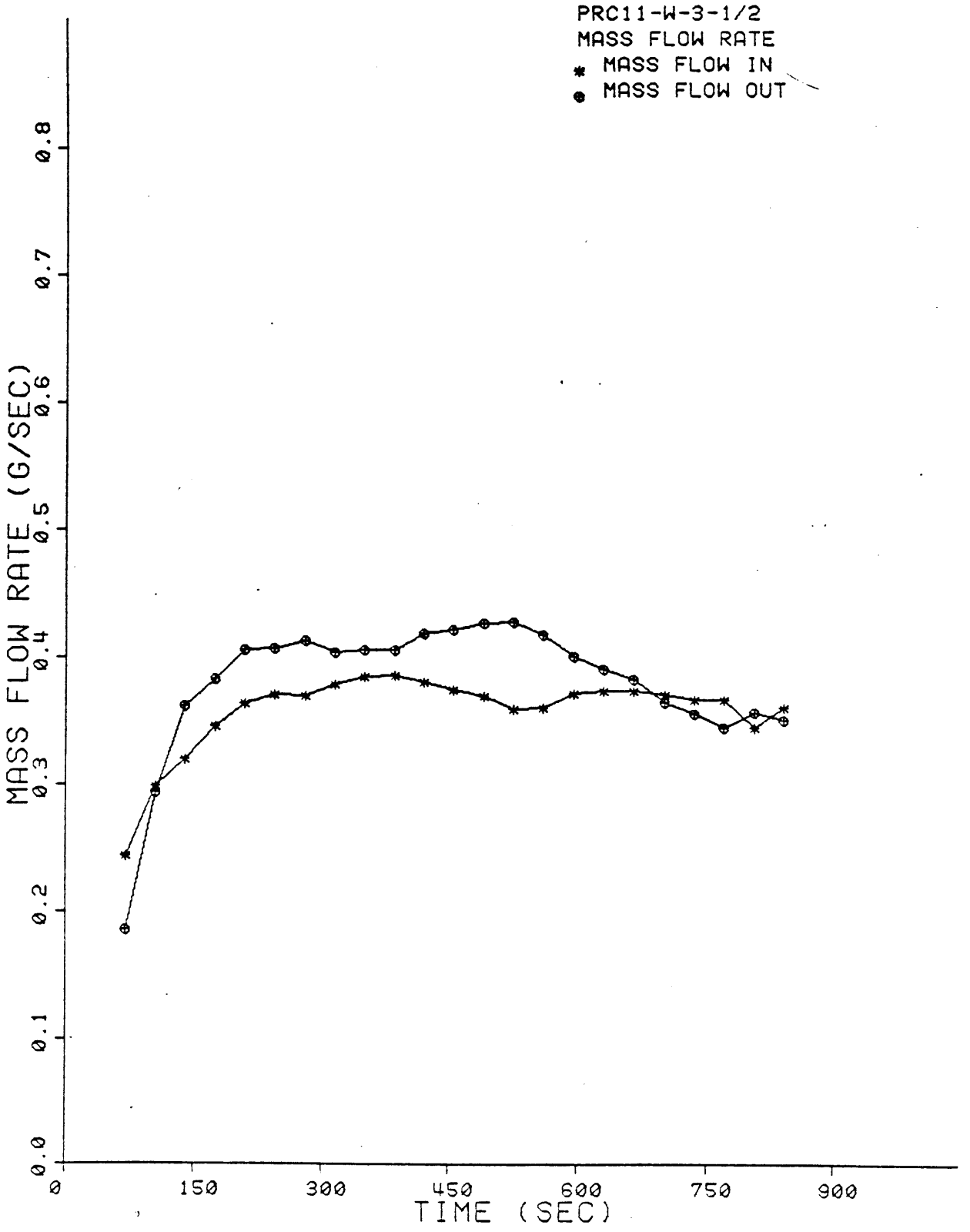

PRC1-P-1-1
MASS FLOW RATE
MASS FLOW IN
MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

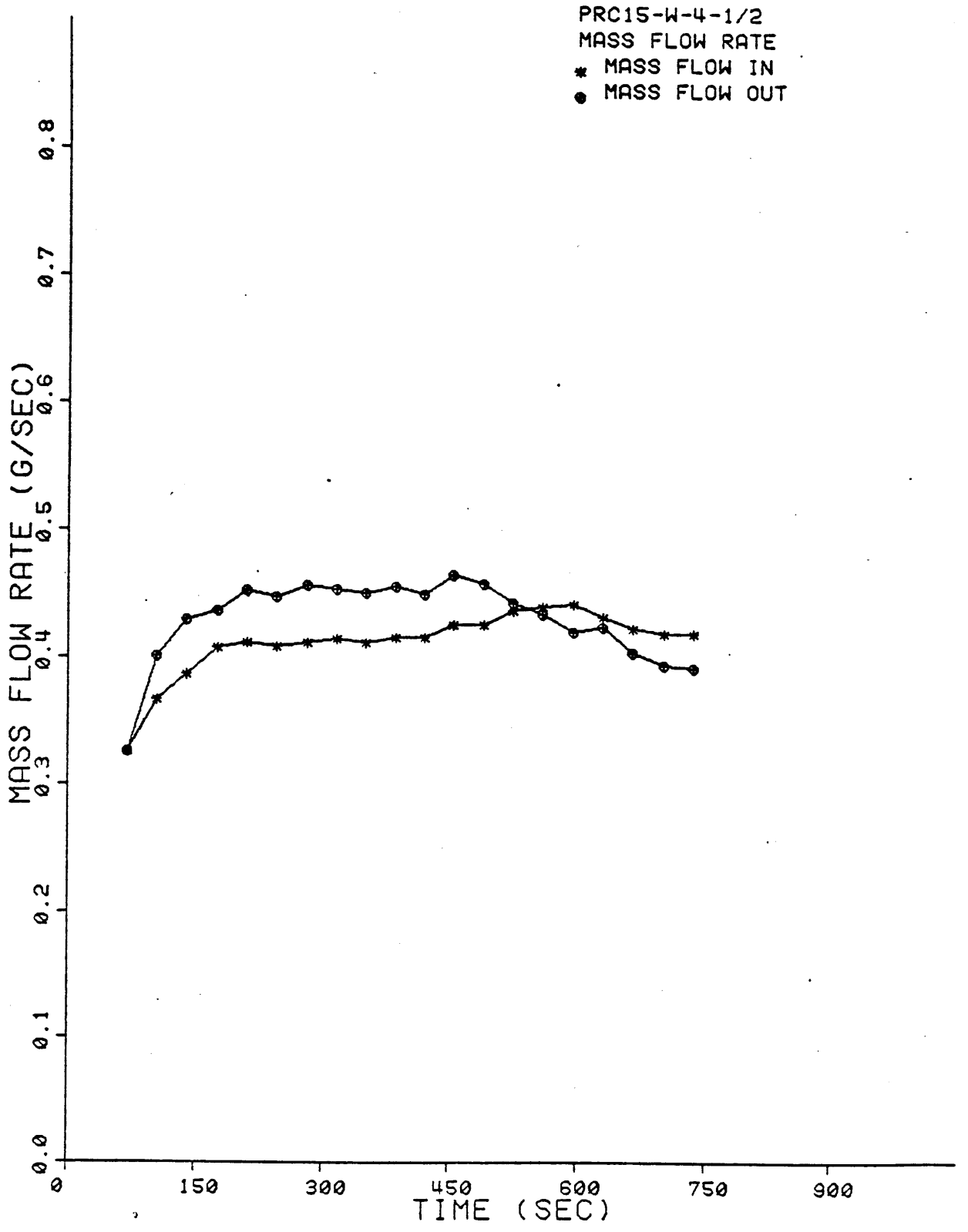

PRC4-P-2-1
MASS FLOW RATE
MASS FLOW IN
MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

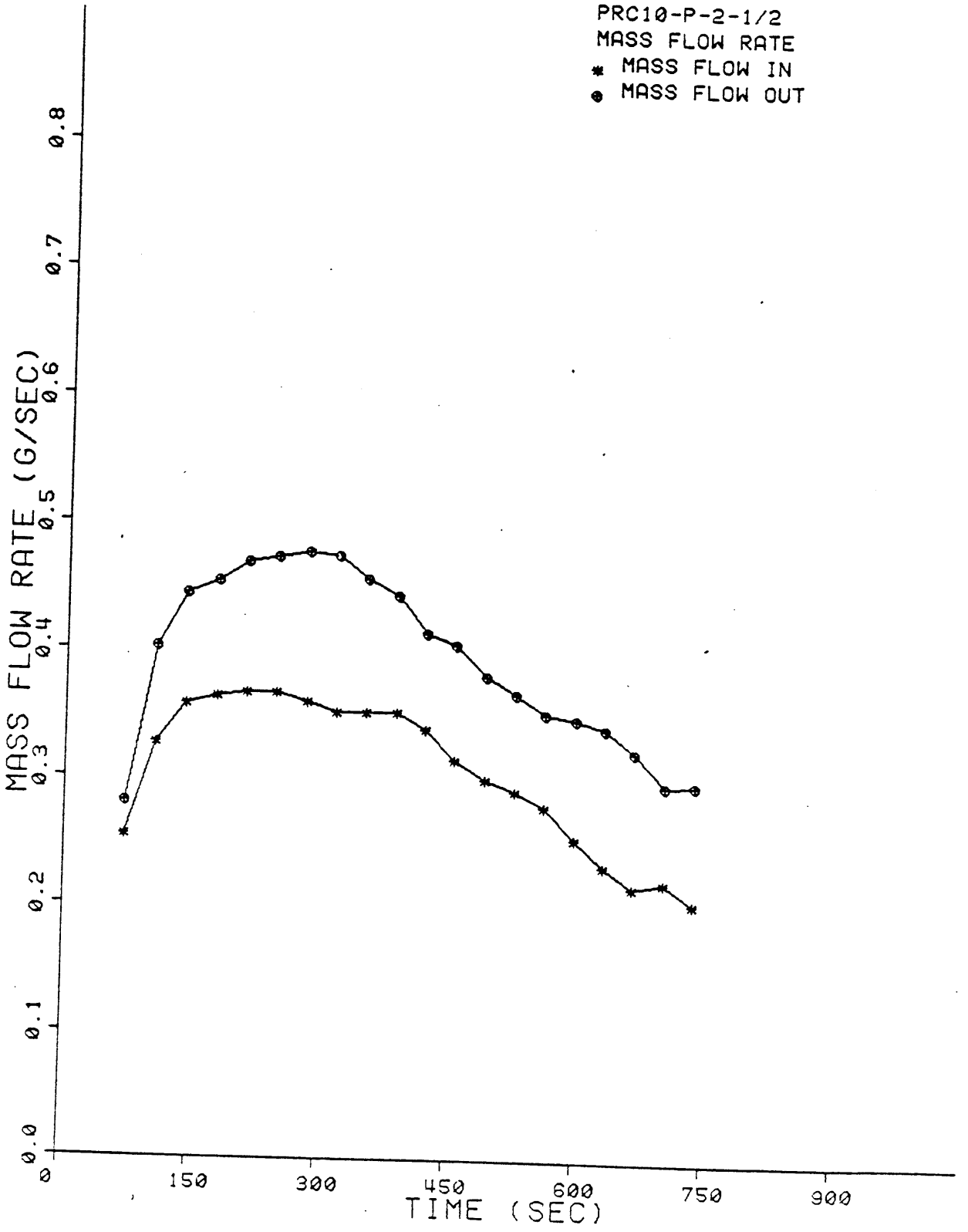

PRC6-P-3-1
MASS FLOW RATE
* MASS FLOW IN
● MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

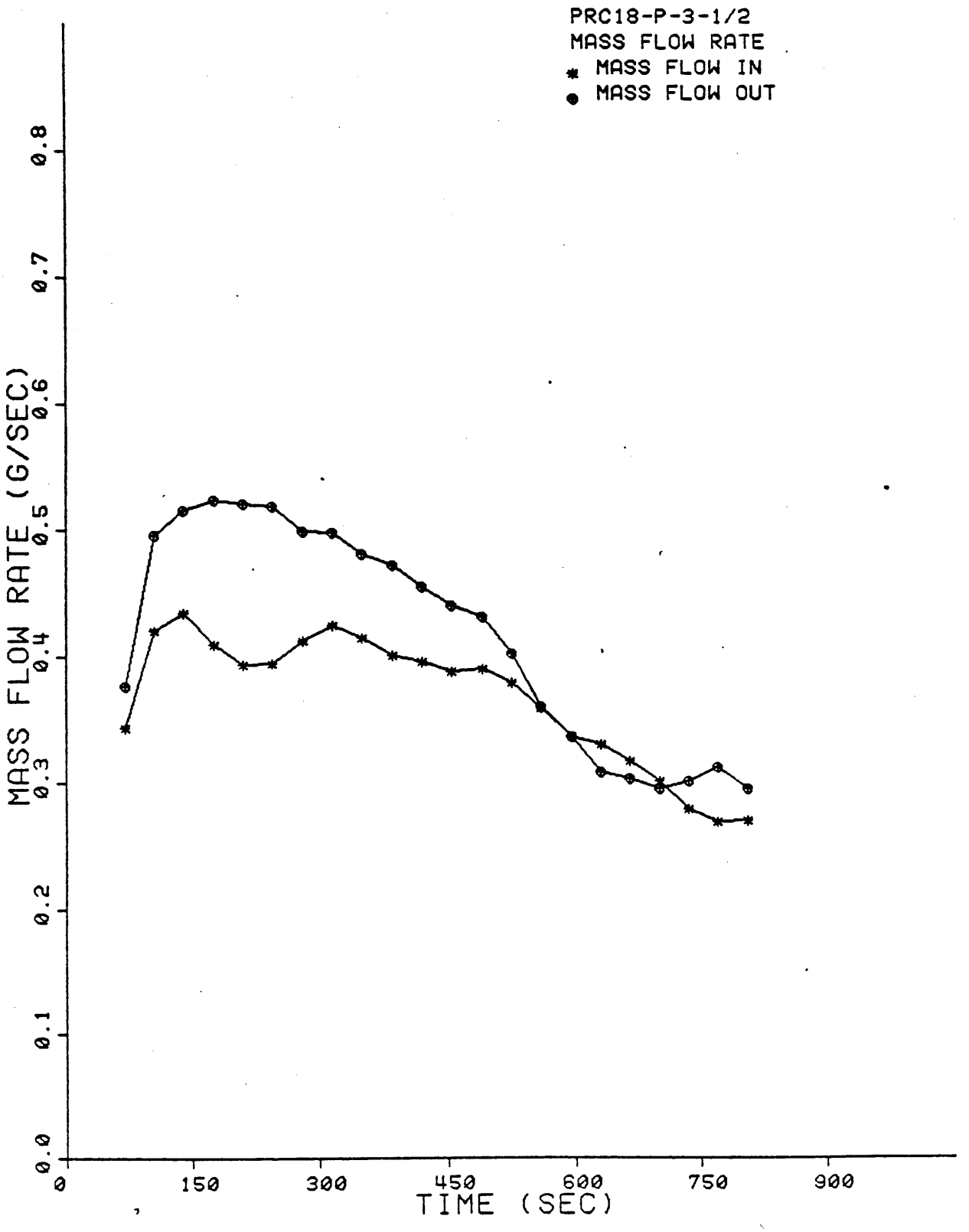

PRC8-P-4-1
MASS FLOW RATE
MASS FLOW IN
MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

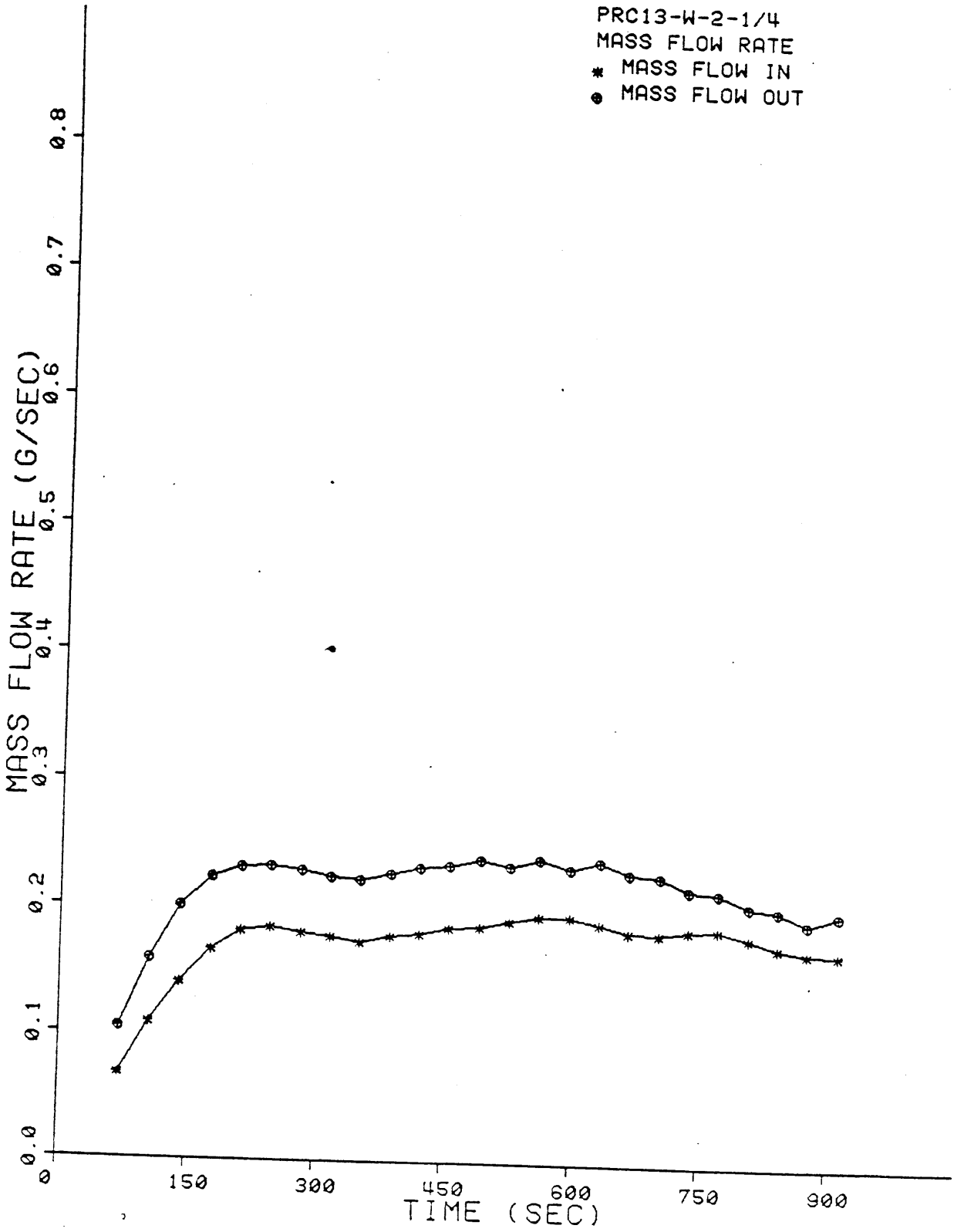

PRC9-W-2-1/2
MASS FLOW RATE
* MASS FLOW IN
● MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

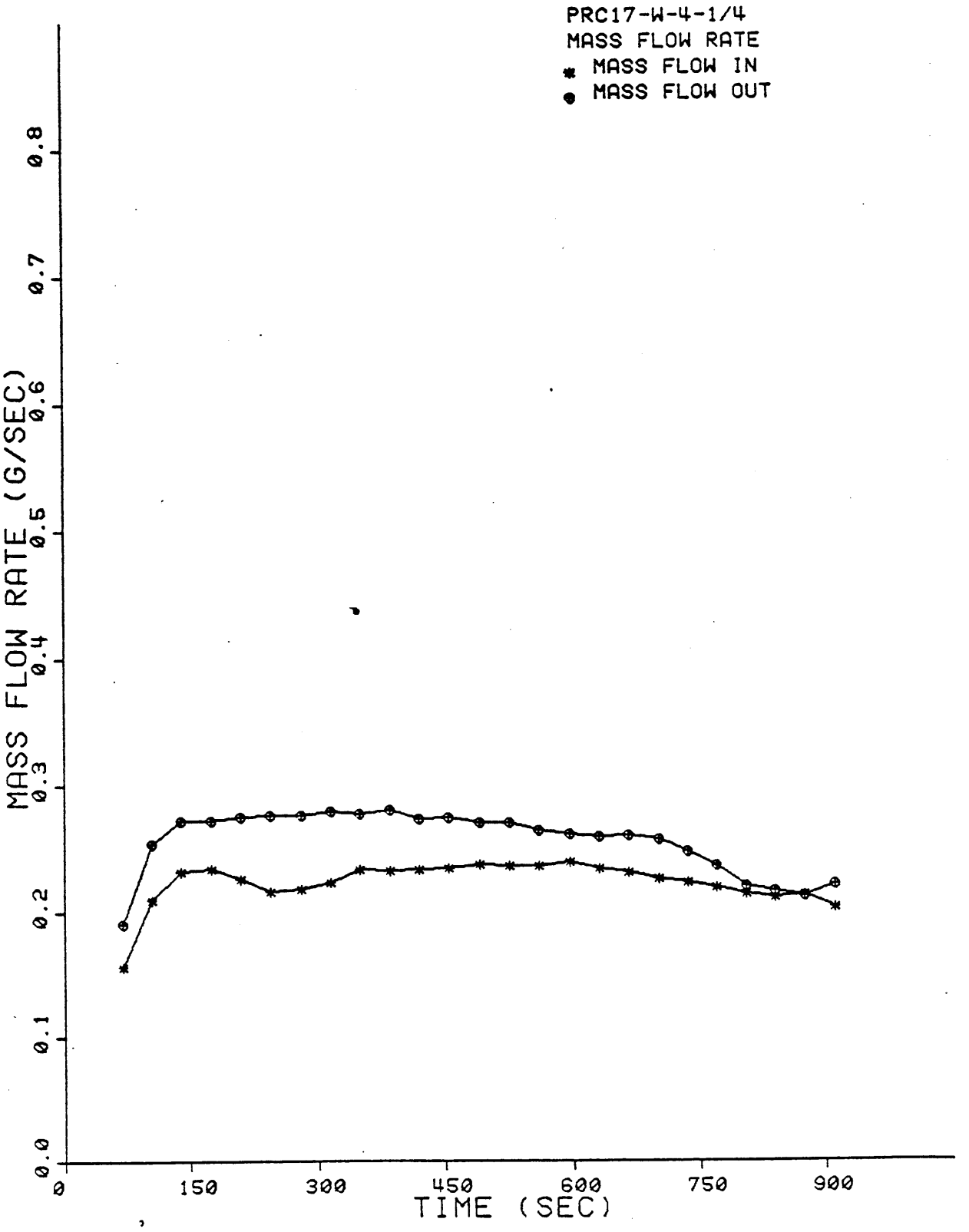

PRC11-W-3-1/2
MASS FLOW RATE
* MASS FLOW IN
⊕ MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

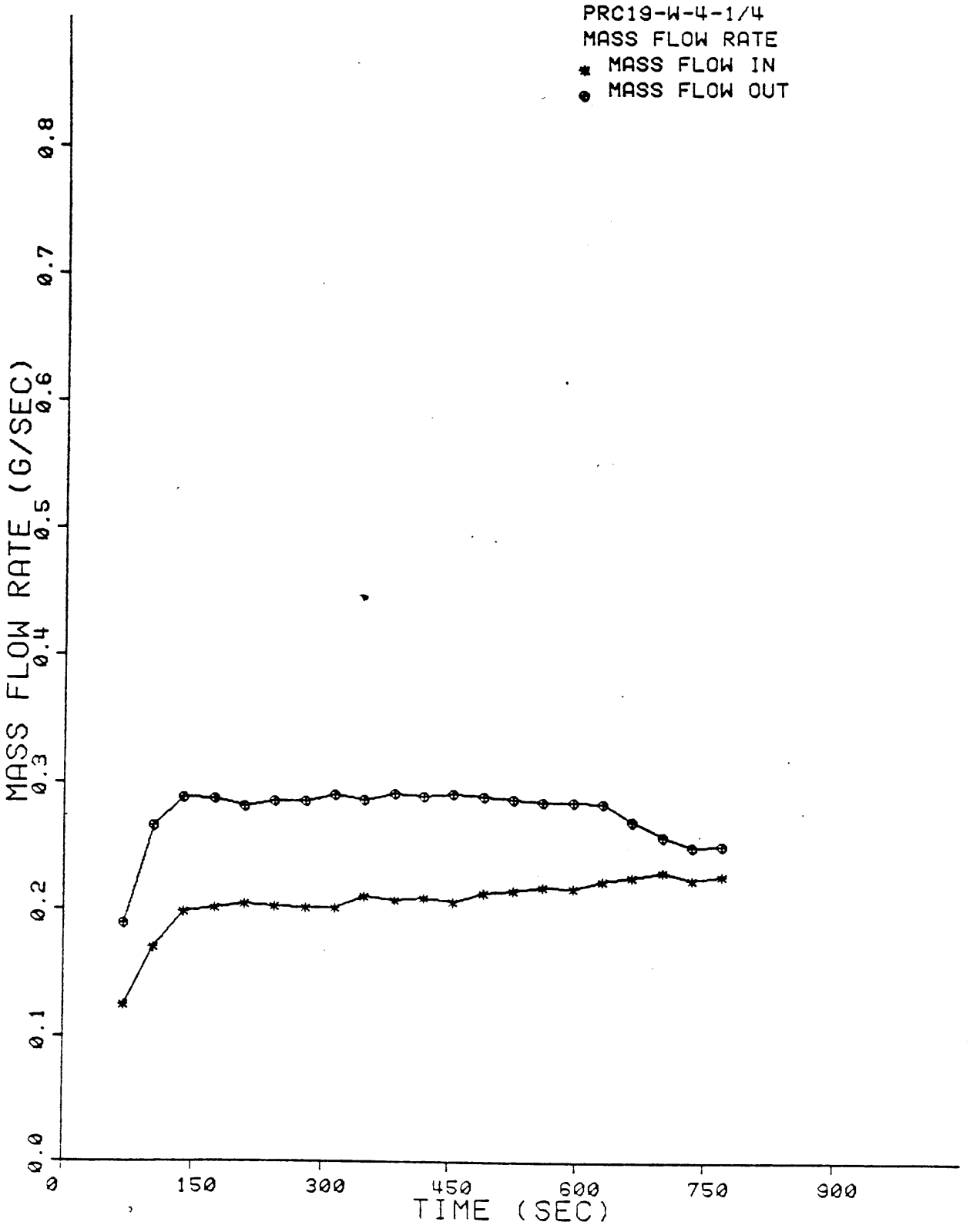

PRC15-W-4-1/2
MASS FLOW RATE
* MASS FLOW IN
● MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

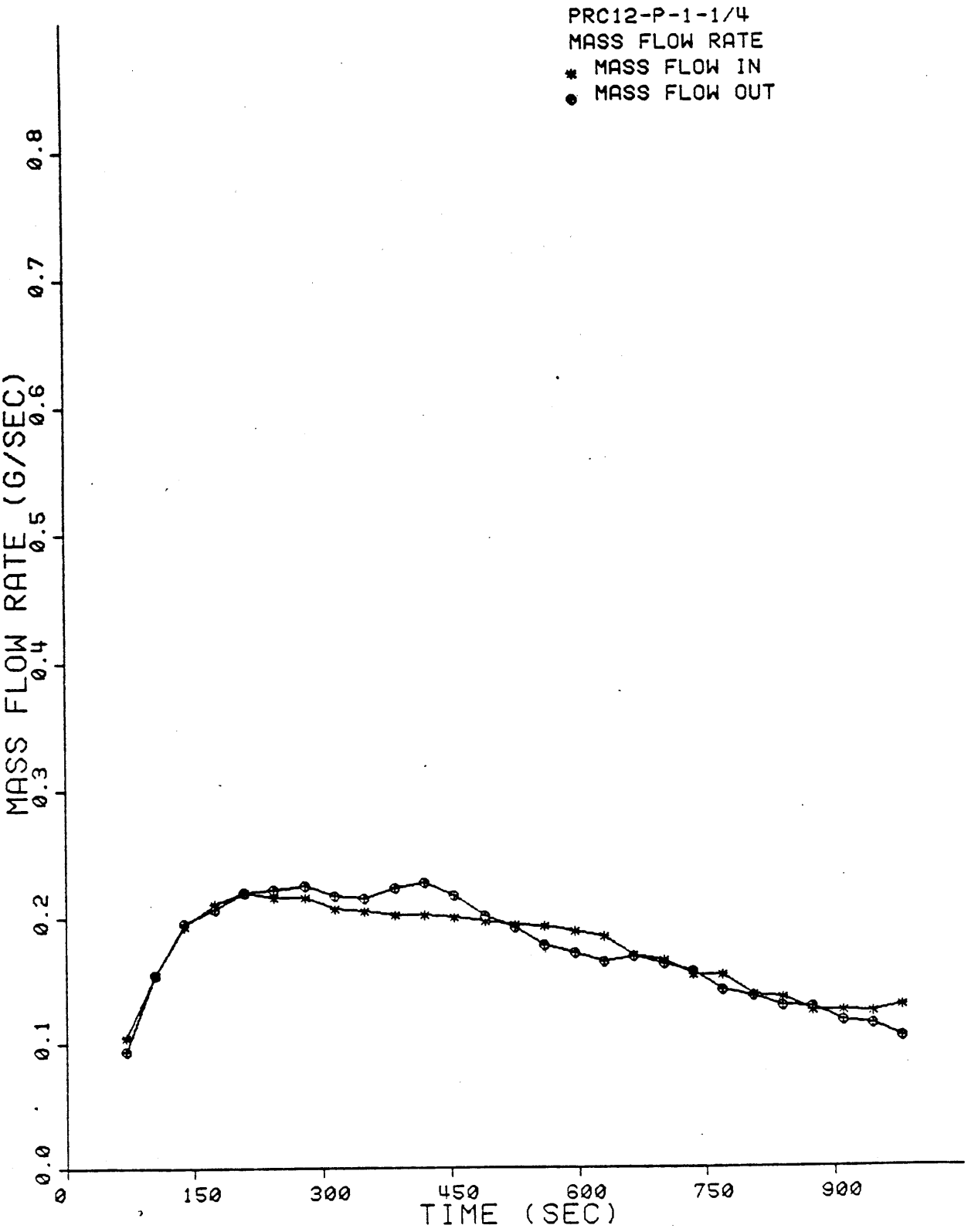

PRC10-P-2-1/2
MASS FLOW RATE
* MASS FLOW IN
⊕ MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

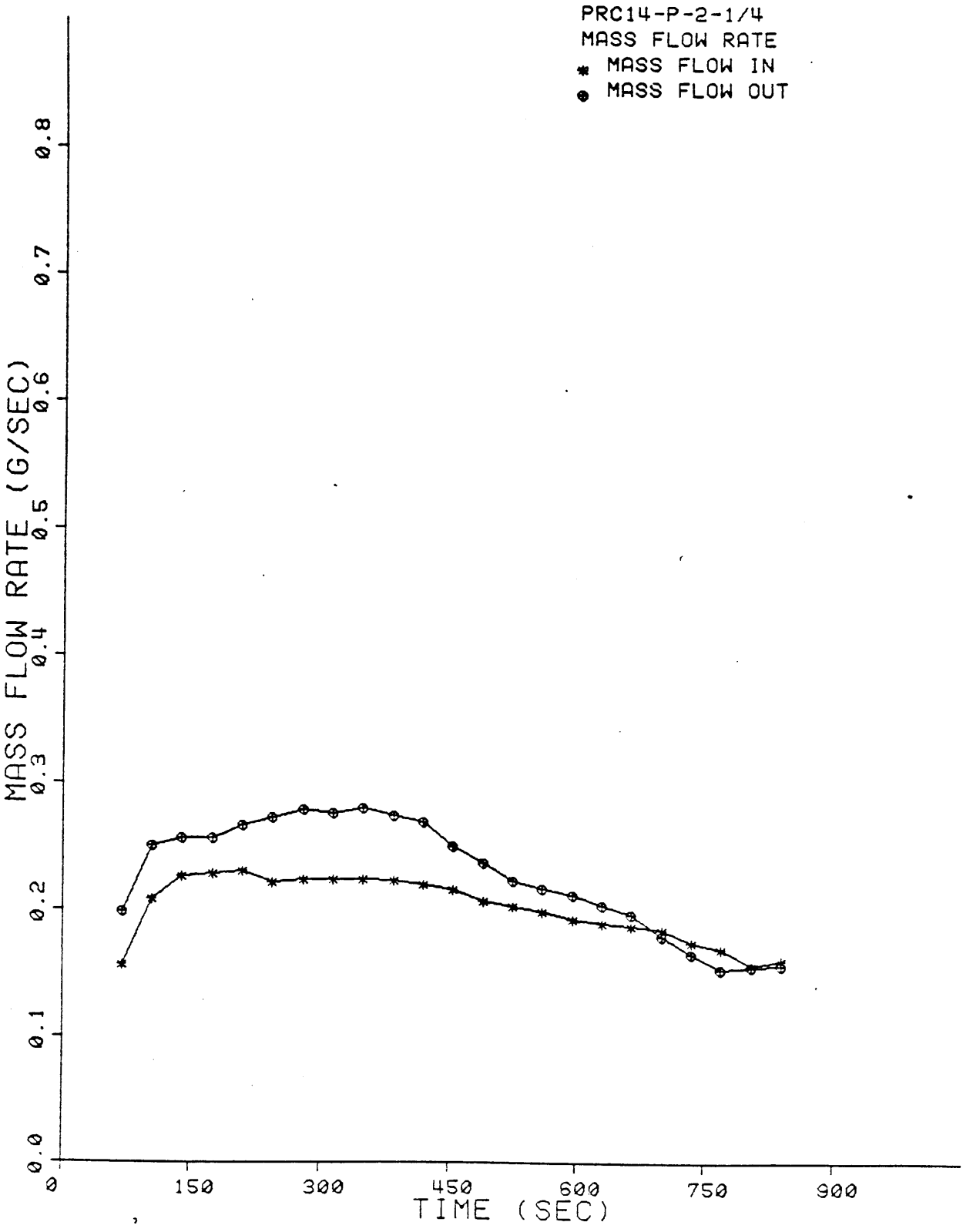

PRC18-P-3-1/2
MASS FLOW RATE
* MASS FLOW IN
● MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

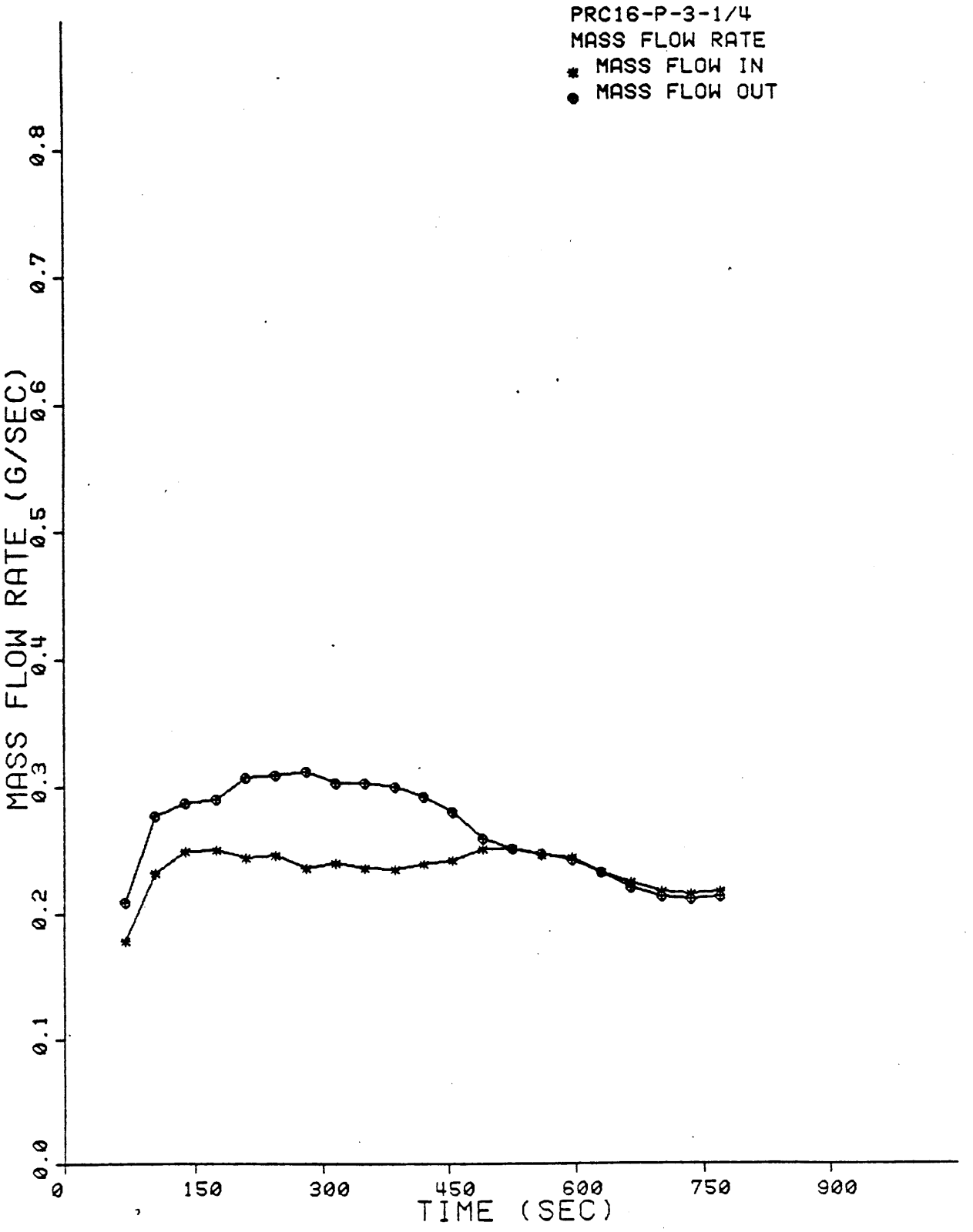

PRC13-W-2-1/4
MASS FLOW RATE
* MASS FLOW IN
⊕ MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

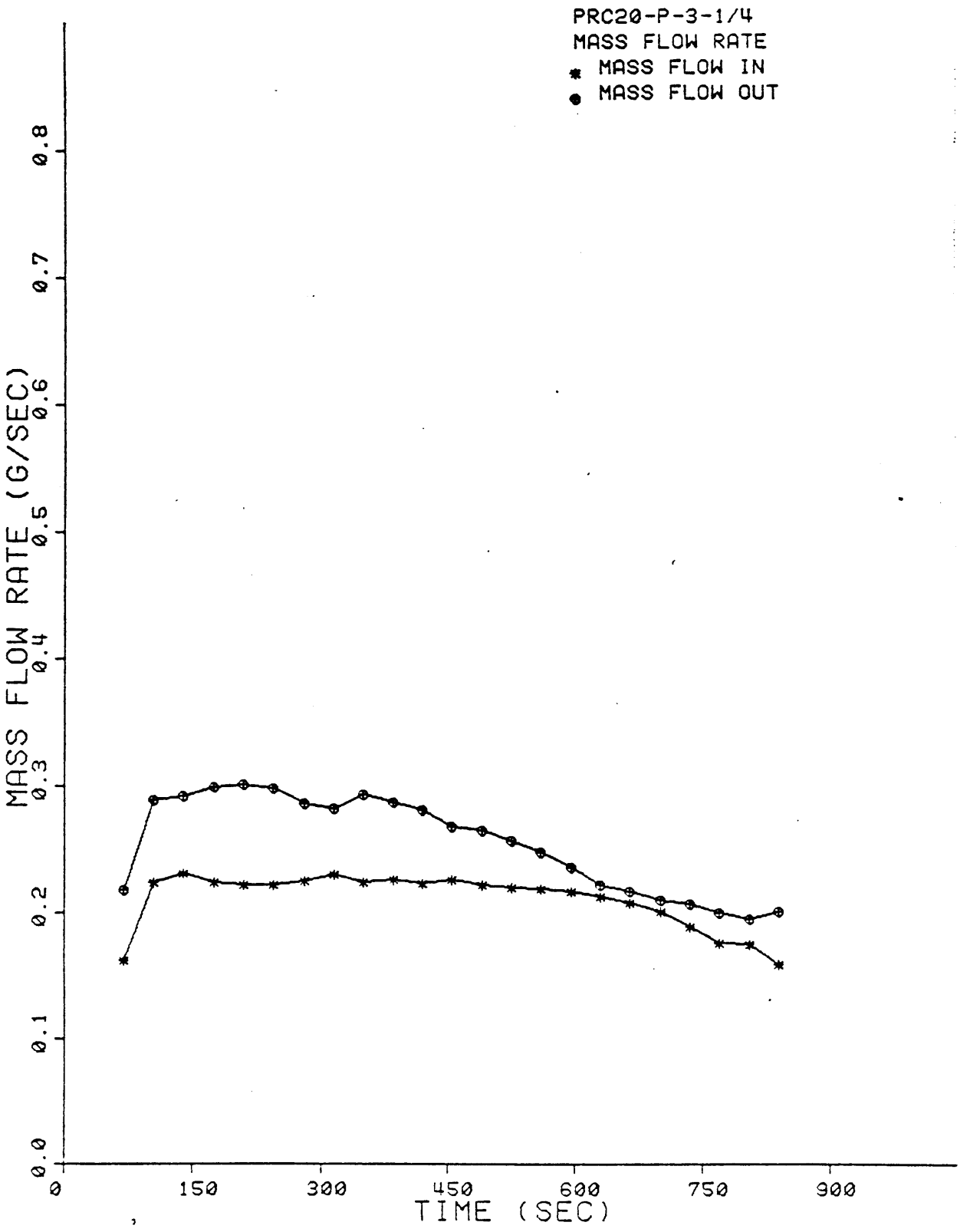

PRC17-W-4-1/4
MASS FLOW RATE
* MASS FLOW IN
● MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)


PRC19-W-4-1/4
MASS FLOW RATE
* MASS FLOW IN
● MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)


PRC12-P-1-1/4
MASS FLOW RATE
* MASS FLOW IN
● MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)


PRC14-P-2-1/4
MASS FLOW RATE
* MASS FLOW IN
⊕ MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)


PRC16-P-3-1/4
MASS FLOW RATE
* MASS FLOW IN
● MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)


PRC20-P-3-1/4
MASS FLOW RATE
MASS FLOW IN
MASS FLOW OUT
MASS FLOW RATE (G/SEC)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0
150
300
450
600
750
900
TIME (SEC)

9. ROOM STATIC PRESSURE

In this section the pressure differentials between the inside and outside of the room are presented at six elevations. The results are presented as a function of time in figures 9-1 through 9-20. The elevation can be identified by the channel number listed in the figure, and the information listed below (see also figure 1-2).

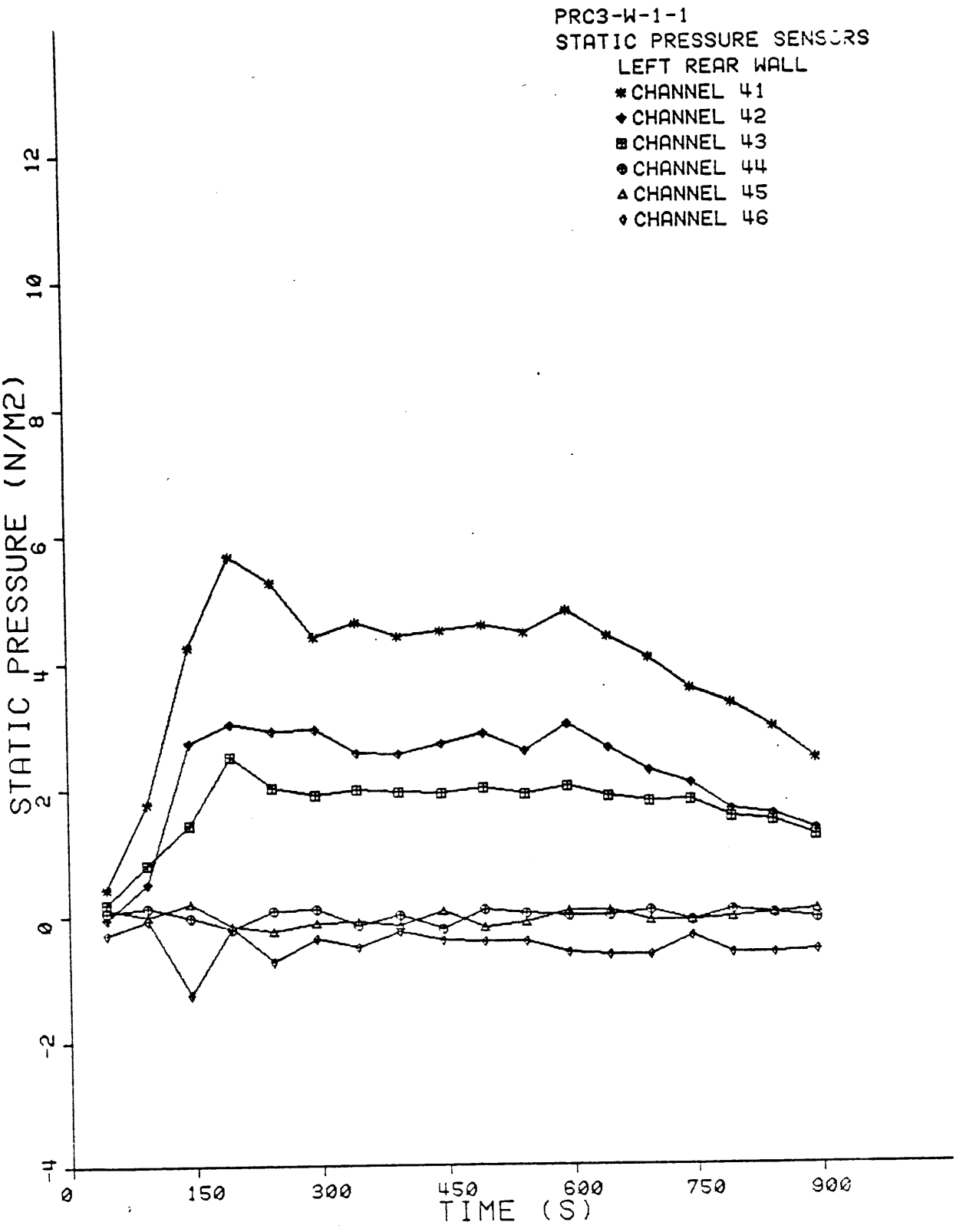
Channel Number	Probe Symbol	Distance Above the Floor (m) PRC 0-8	PRC 9-20
41	DP1	2.30	2.28
42	DP2	2.01	1.81
43	DP3	1.76	1.35
44	DP4	0.54	0.89
45	DP5	0.285	0.49
46	DP6	0.0285	0.04

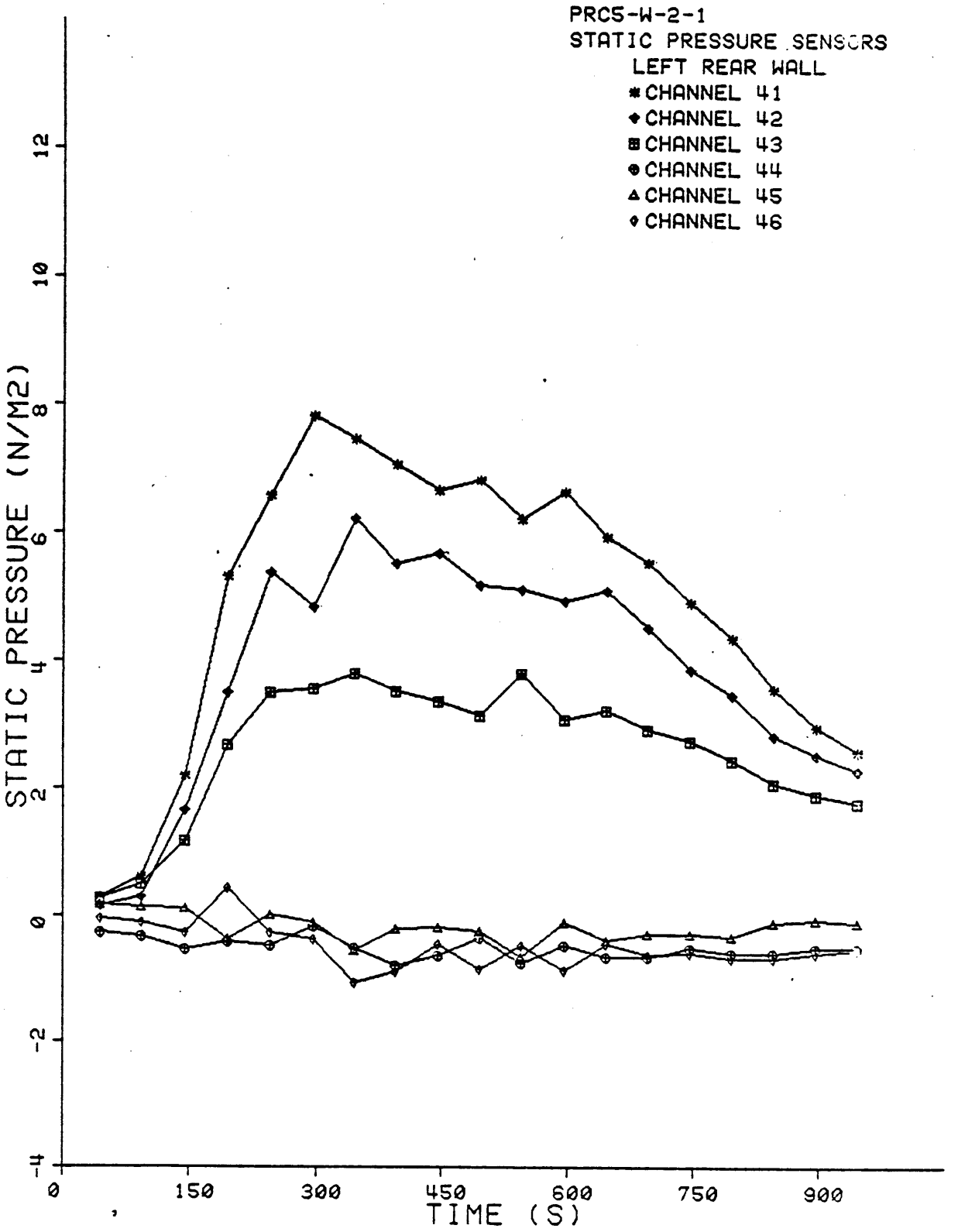
The probe positions were changed after PRC 8 in order to yield a more complete vertical distribution.

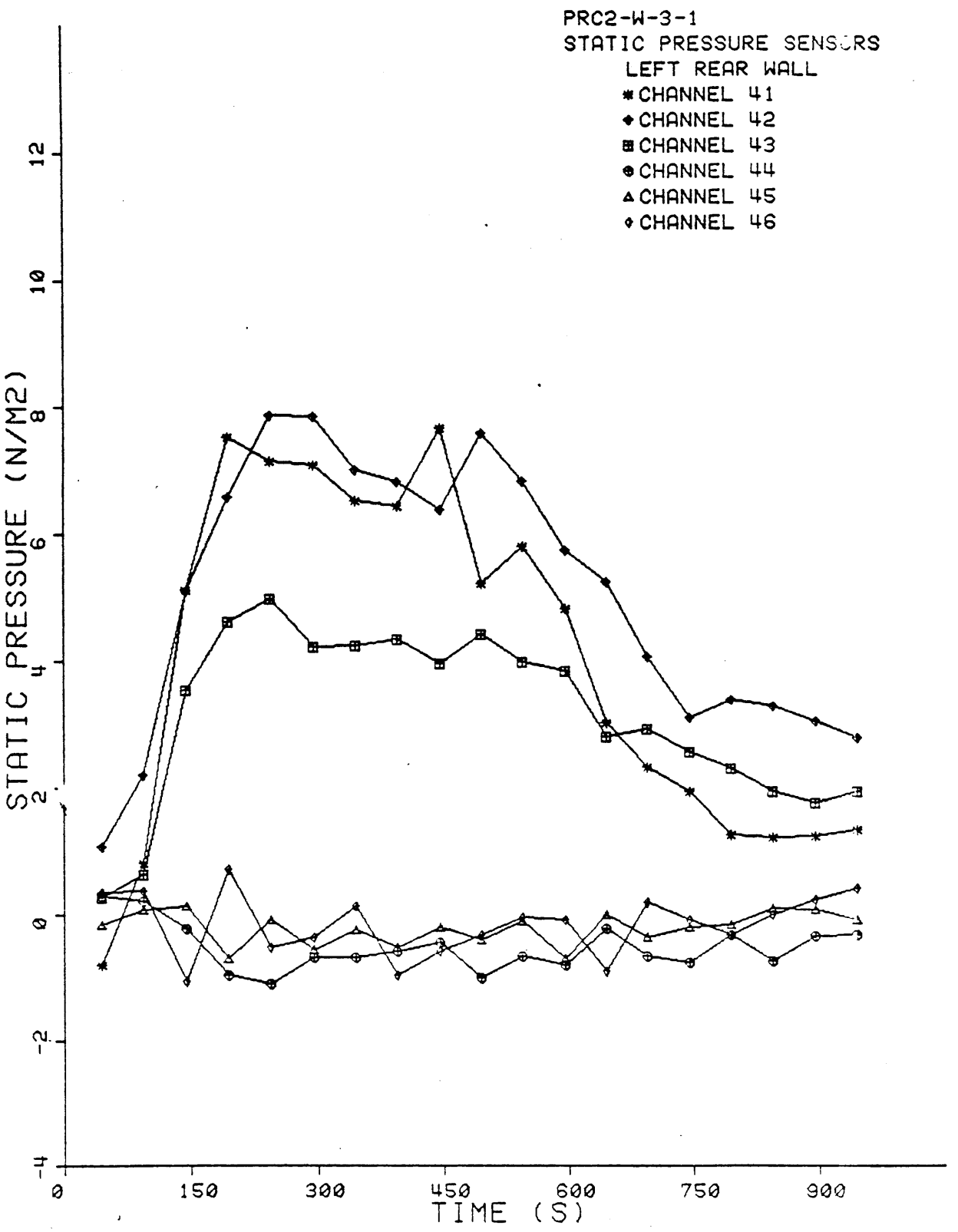
Since these probes responded to a turbulent phenomenon it is appropriate to average their signal in order to present the near pressure differential. The main result will depend on the averaging process used, and in appendix A various averaging results are presented for illustration. The results given in figures 9-1 through 9-20 have been time-averaged as

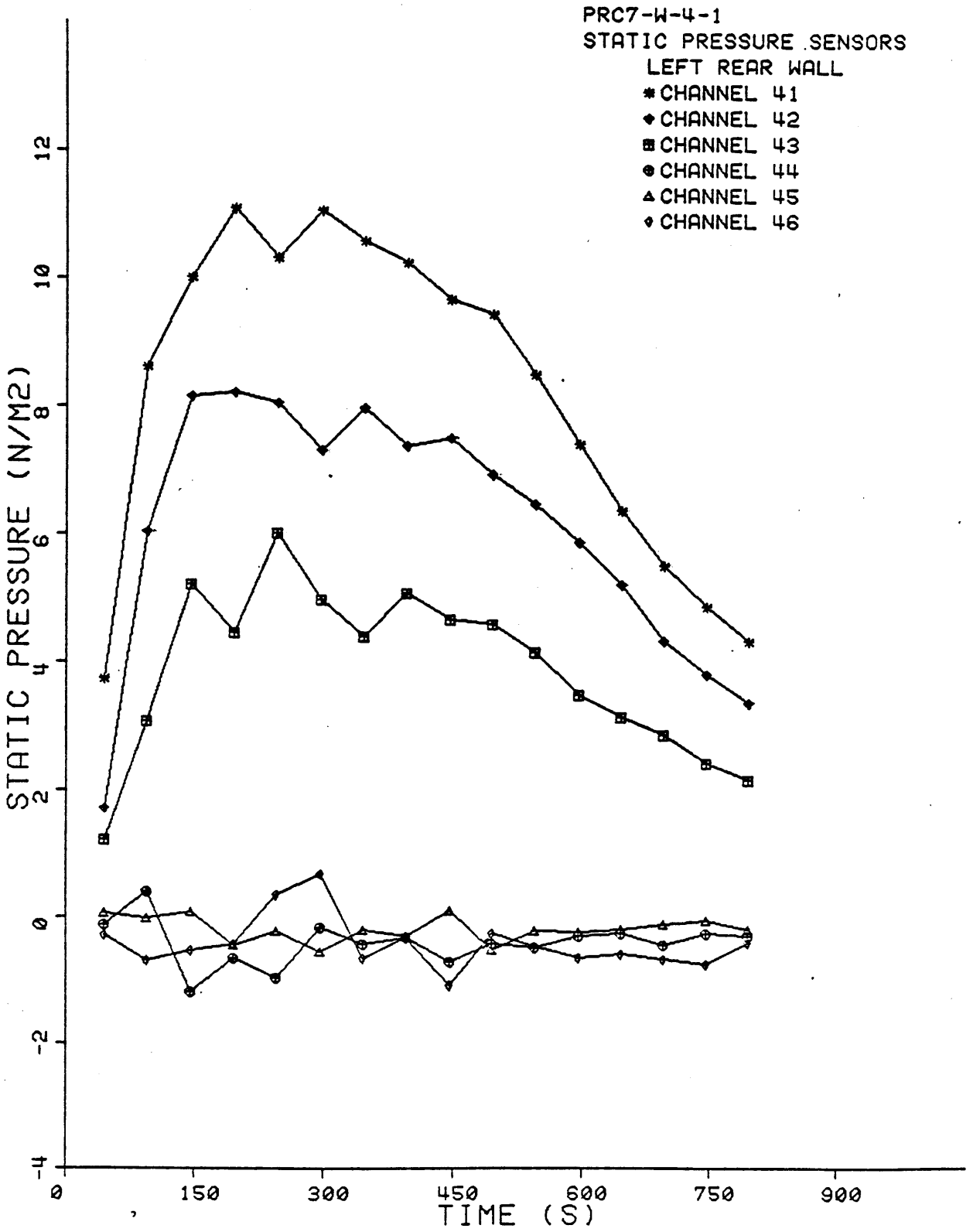
$$\bar{p}\left(t_{i+4}\right) = \frac{1}{\left(t_{i+10} - t_i\right)} \int_{t_i}^{t_{i+10}} p(t)\ .\ dt$$

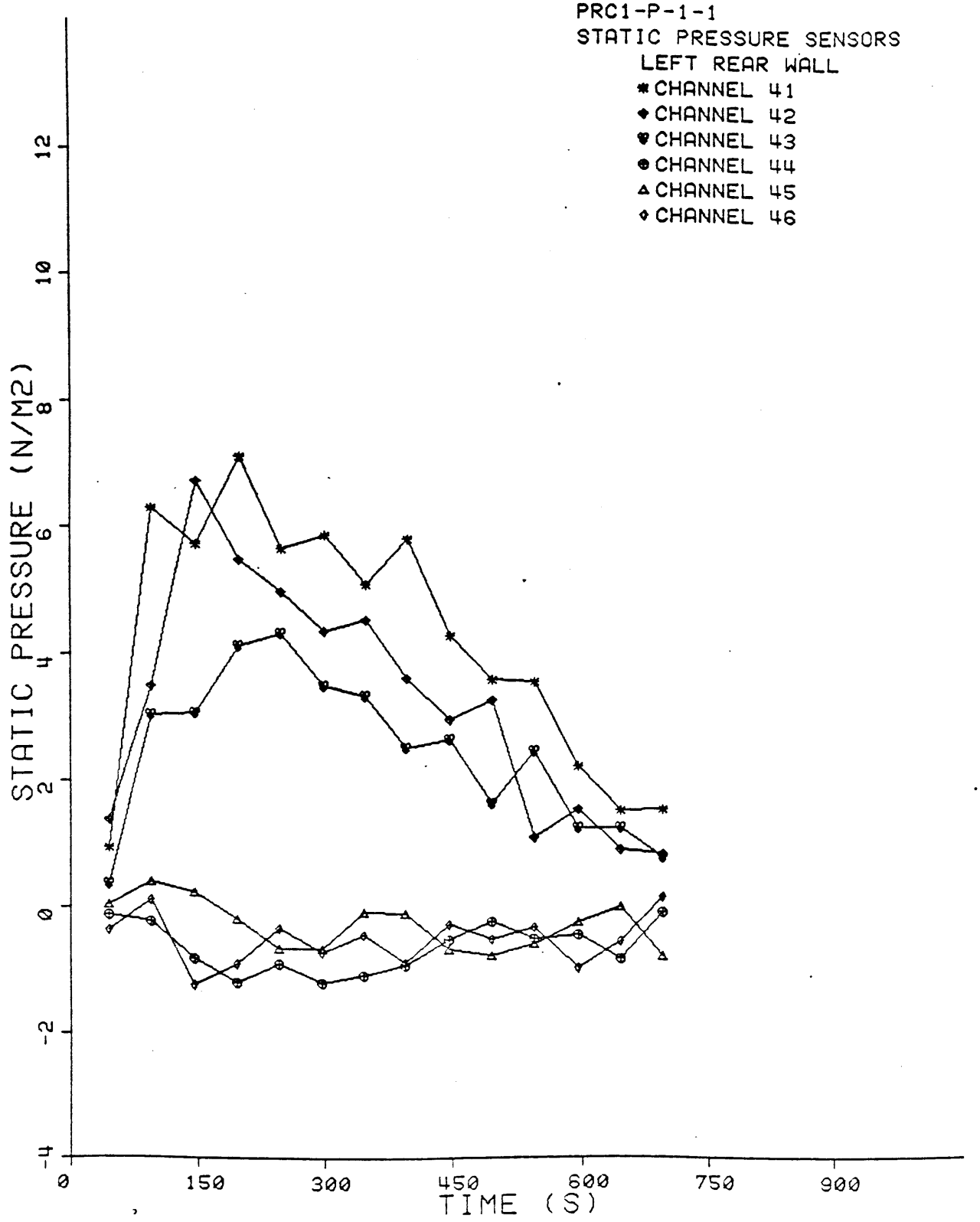
a 50-second running average using a rectangular rule for evaluating the integral with a time increment equal to the data scan time of 5 seconds. In the above formula, p is the pressure signal, and t_i is the time at the ith data scan.

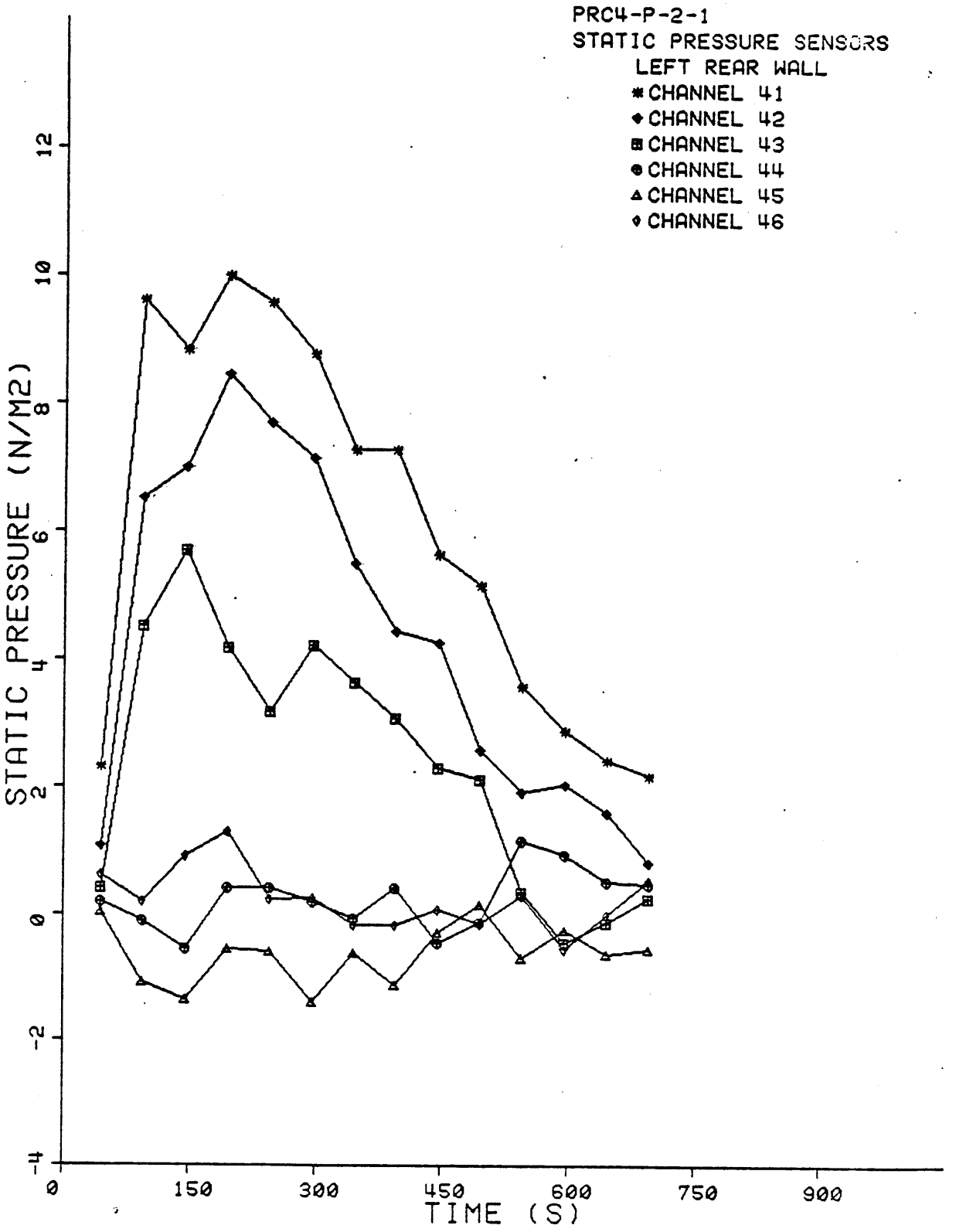

PRC3-W-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

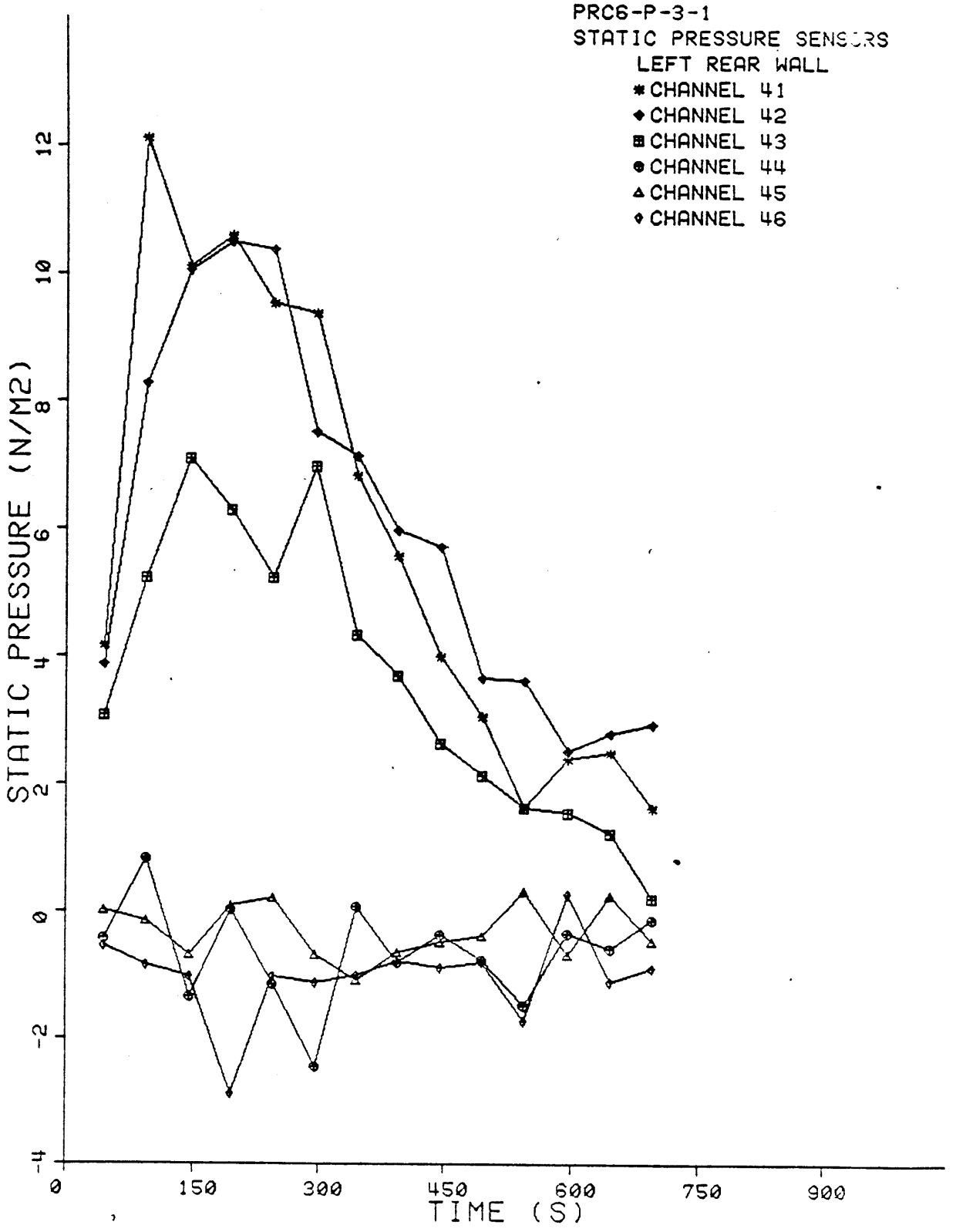

PRC5-W-2-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

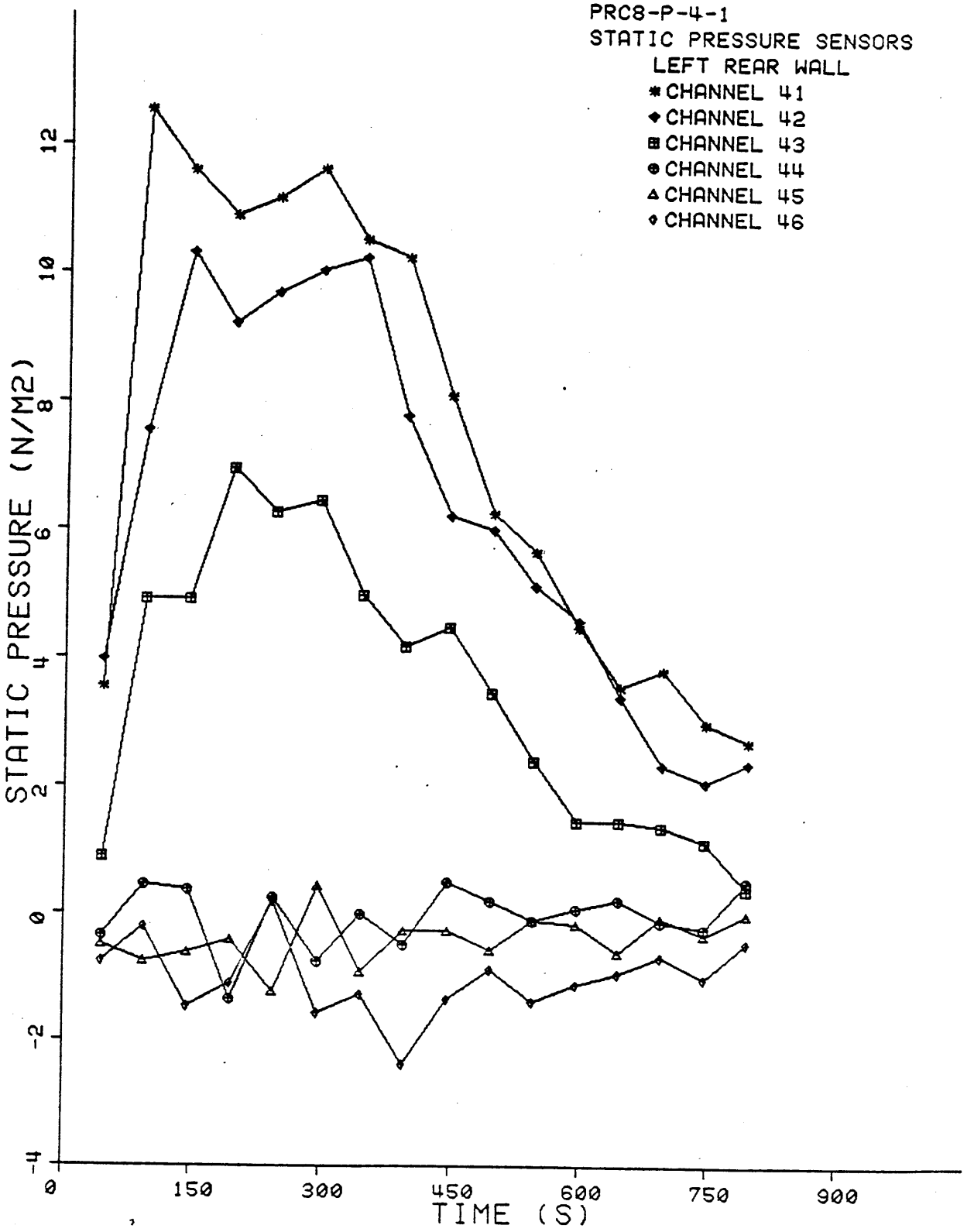

PRC2-W-3-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

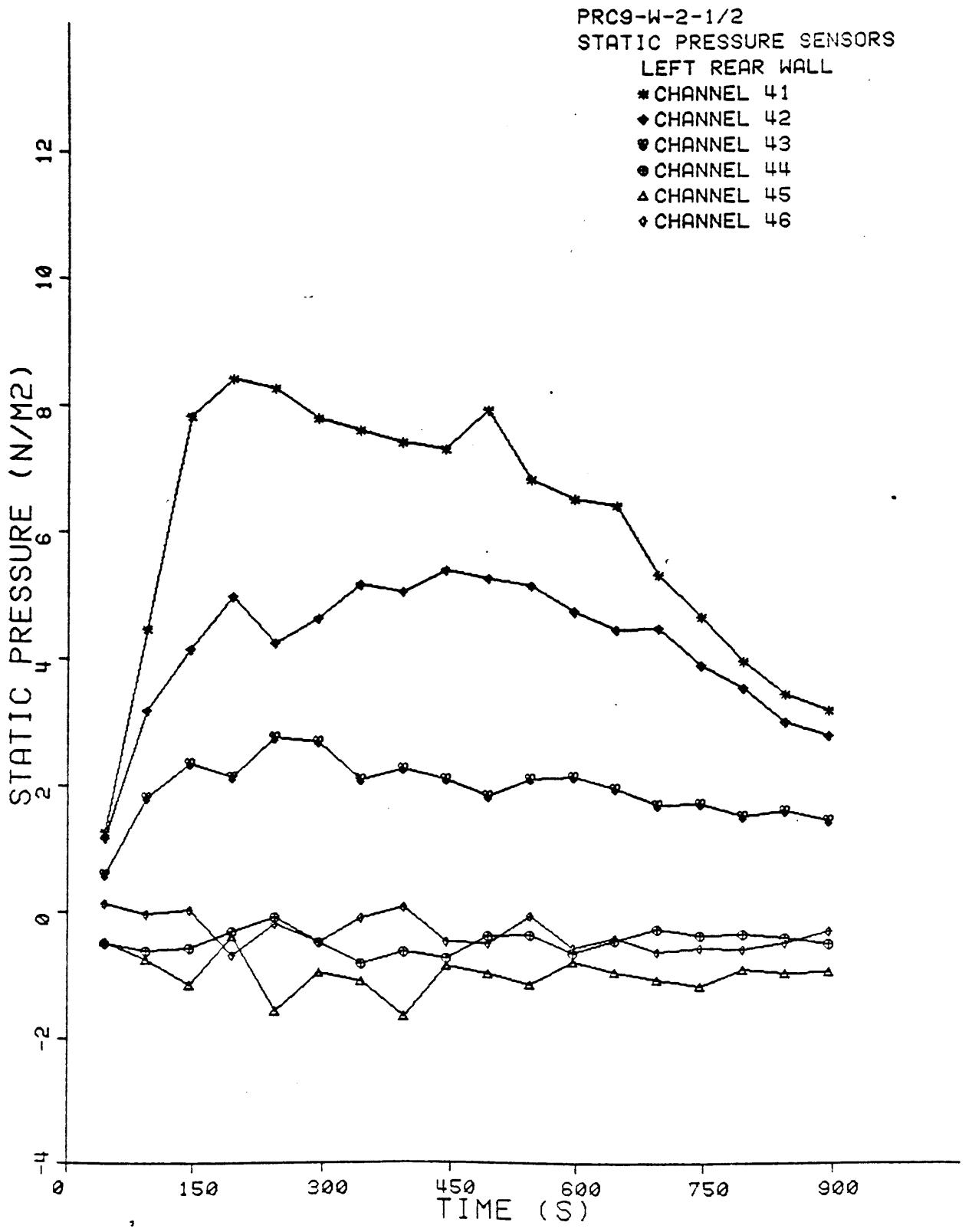

PRC7-W-4-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

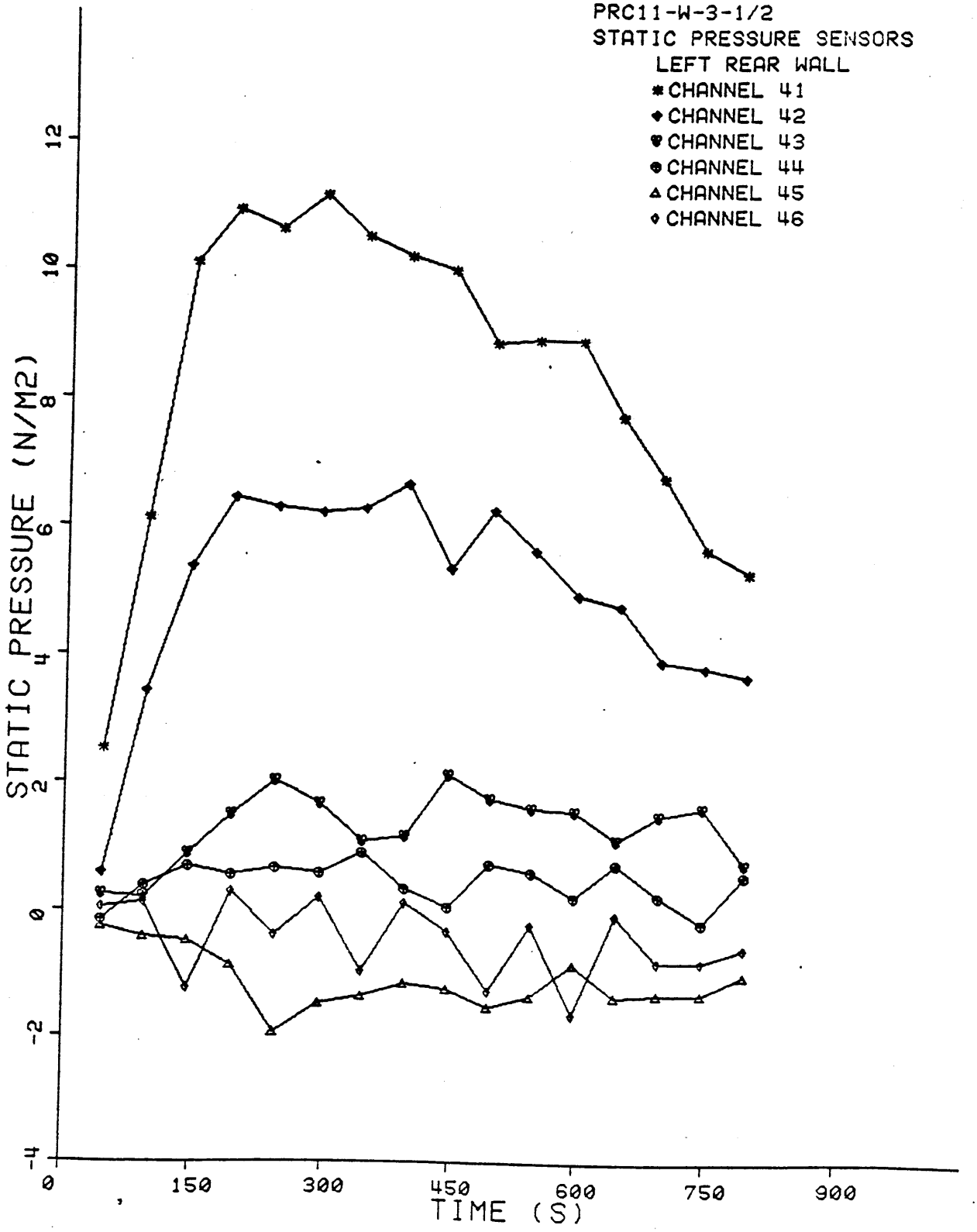

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

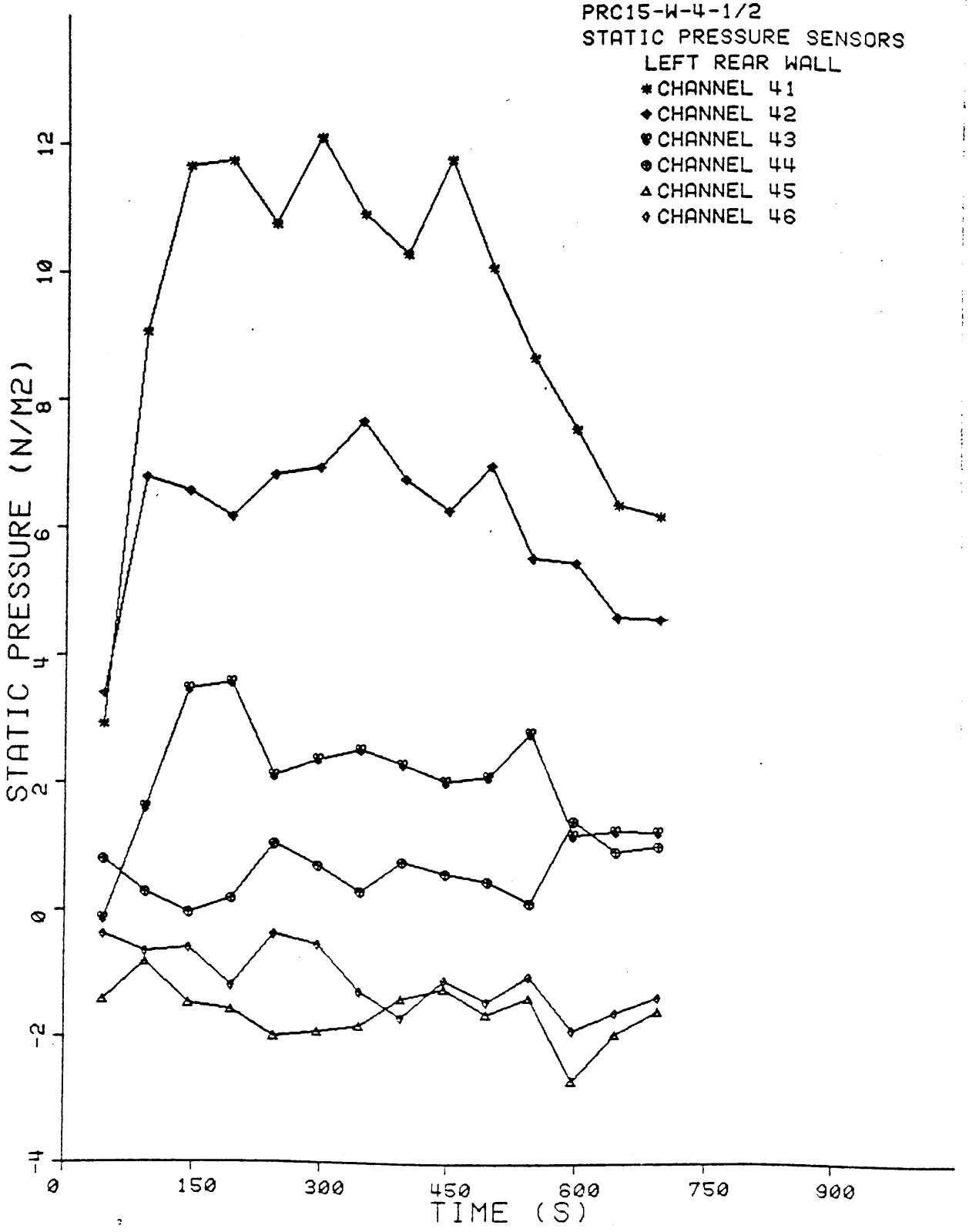

PRC4-P-2-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

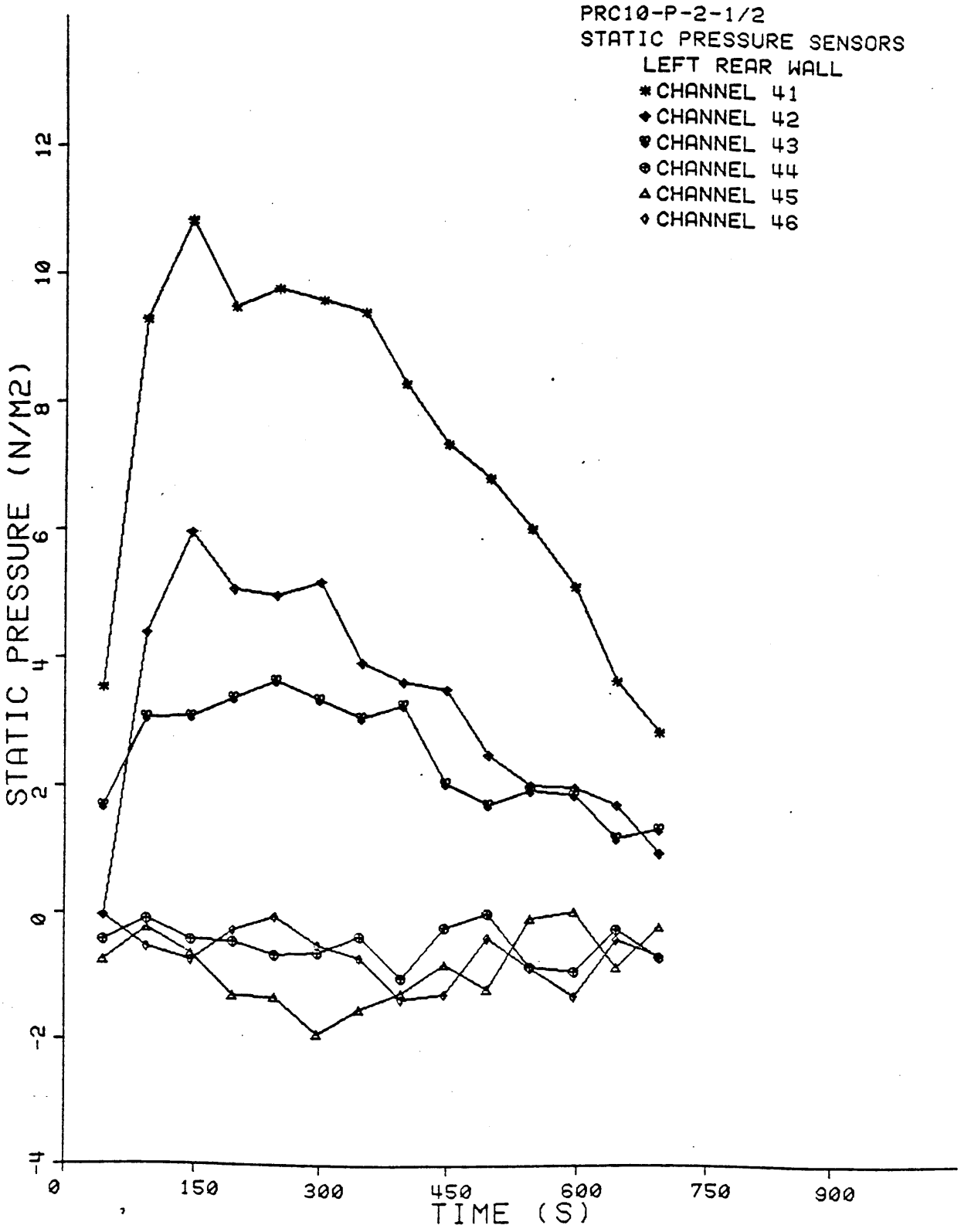

PRC6-P-3-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

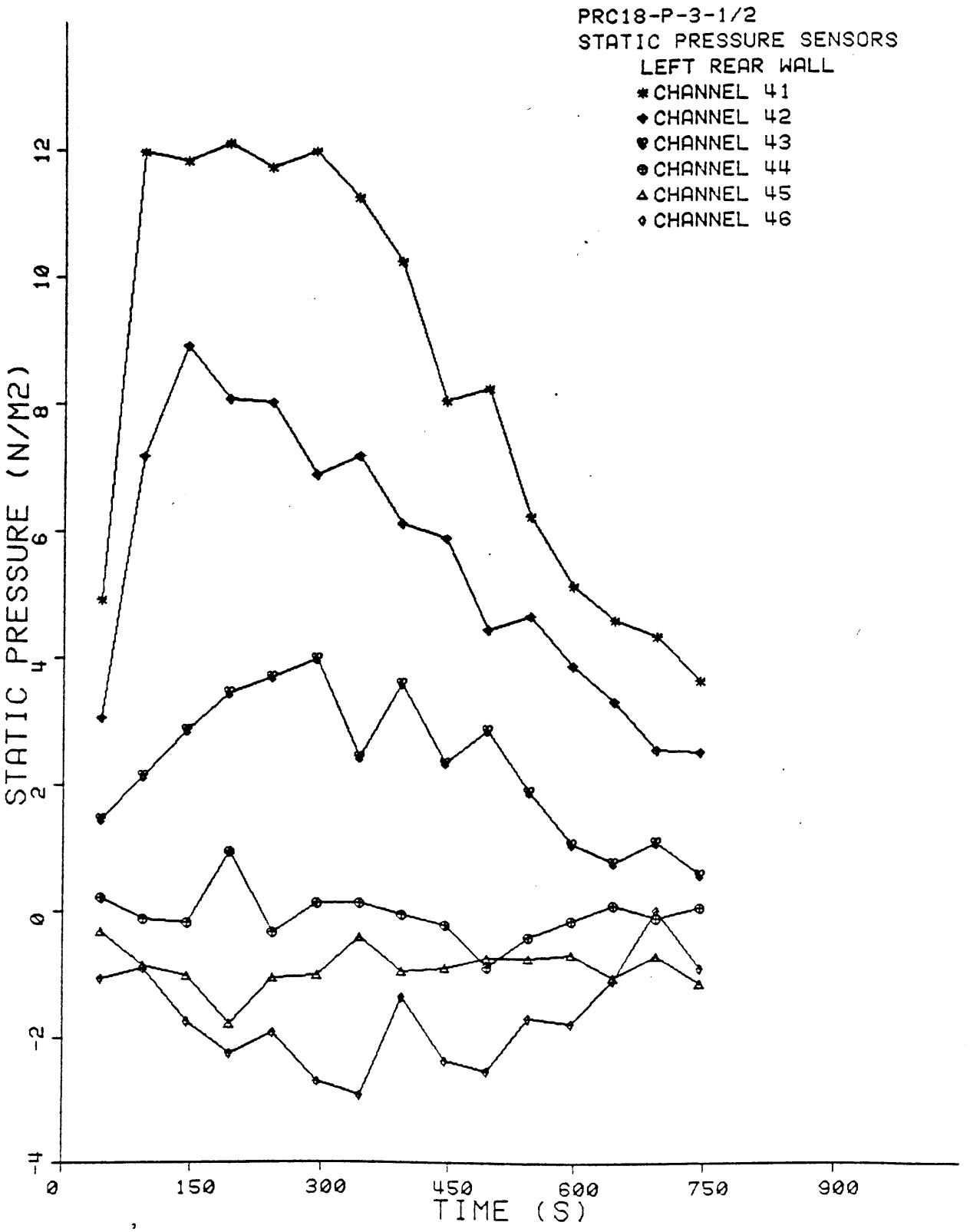

PRC8-P-4-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

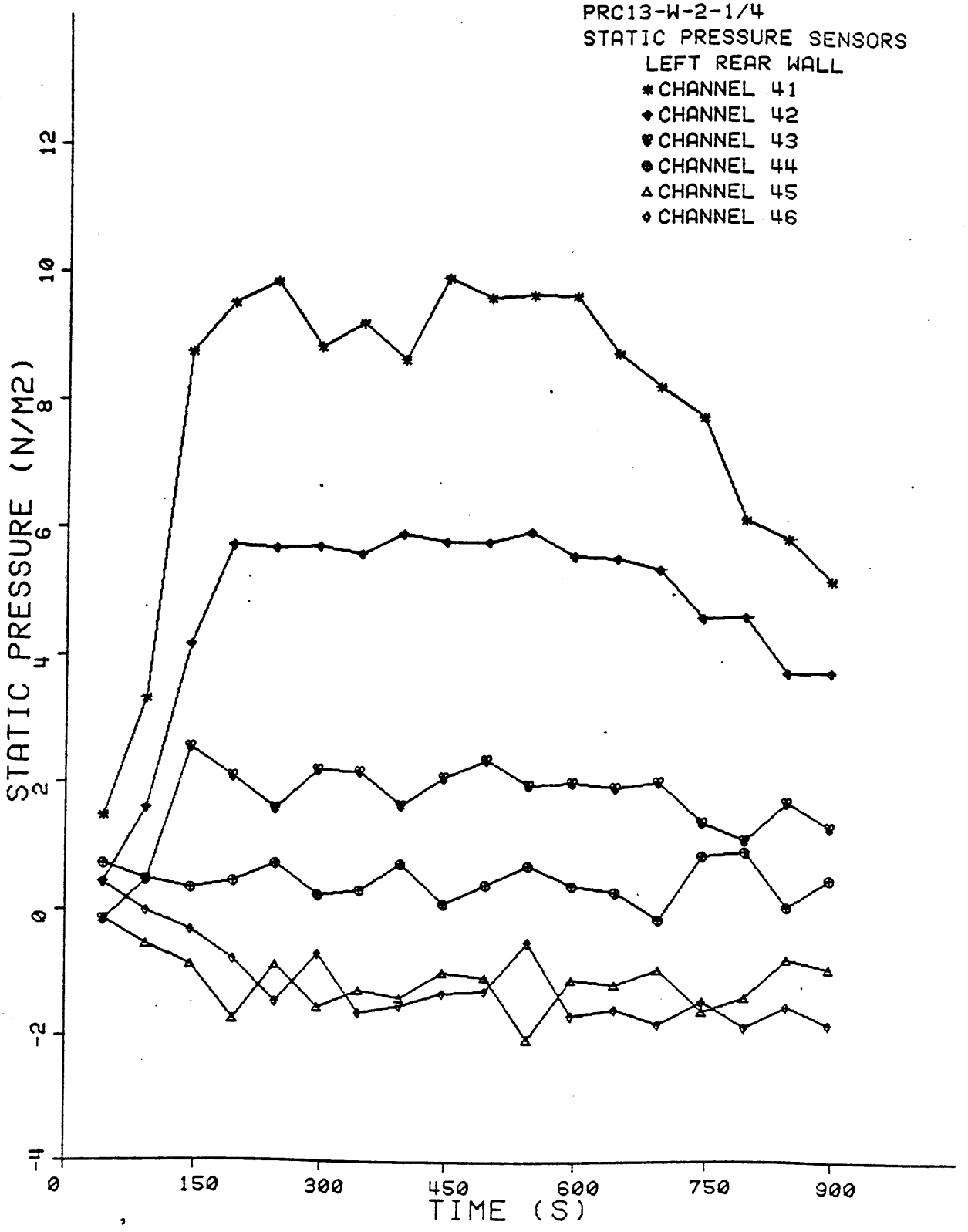

PRC9-W-2-1/2
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

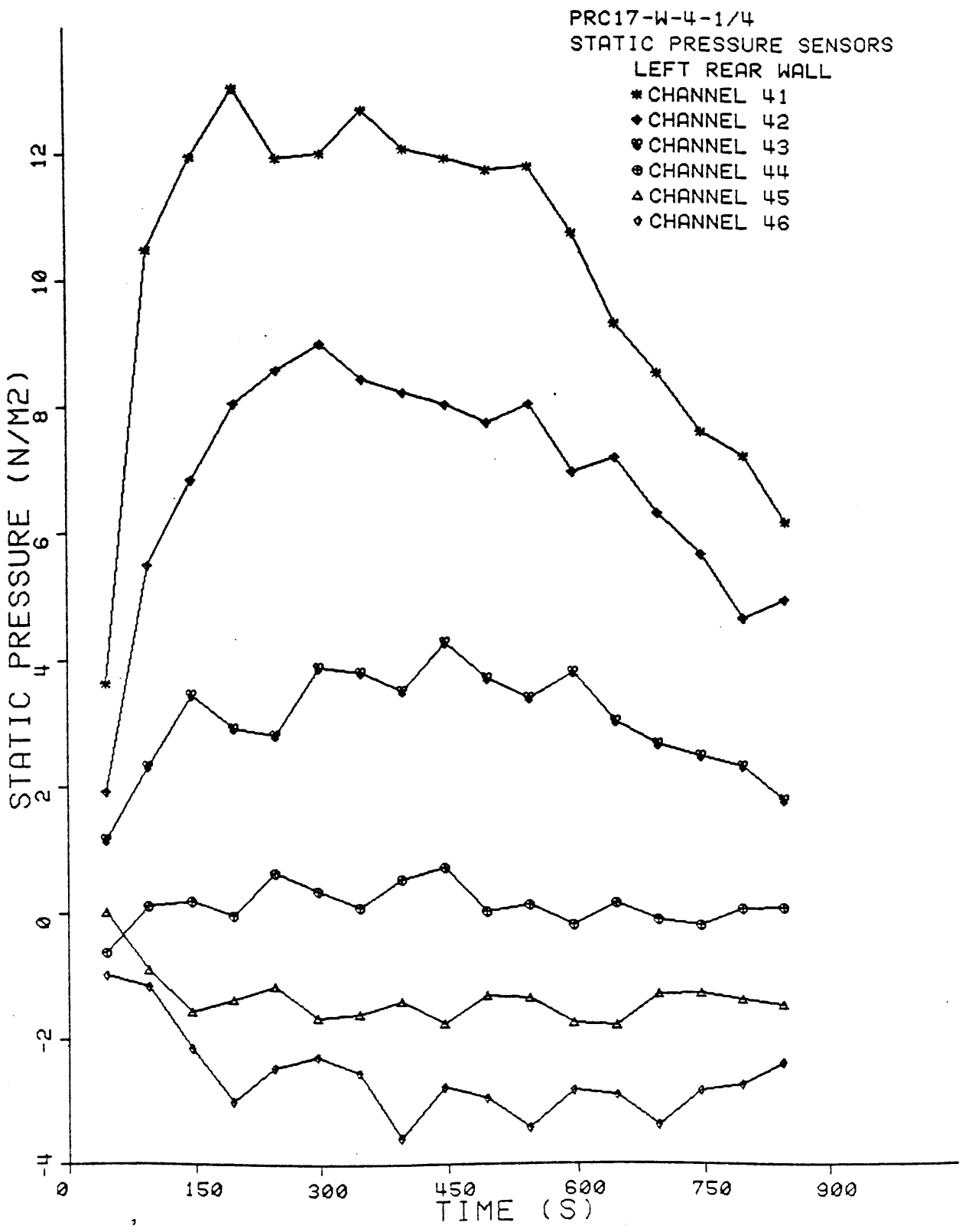

PRC11-W-3-1/2
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

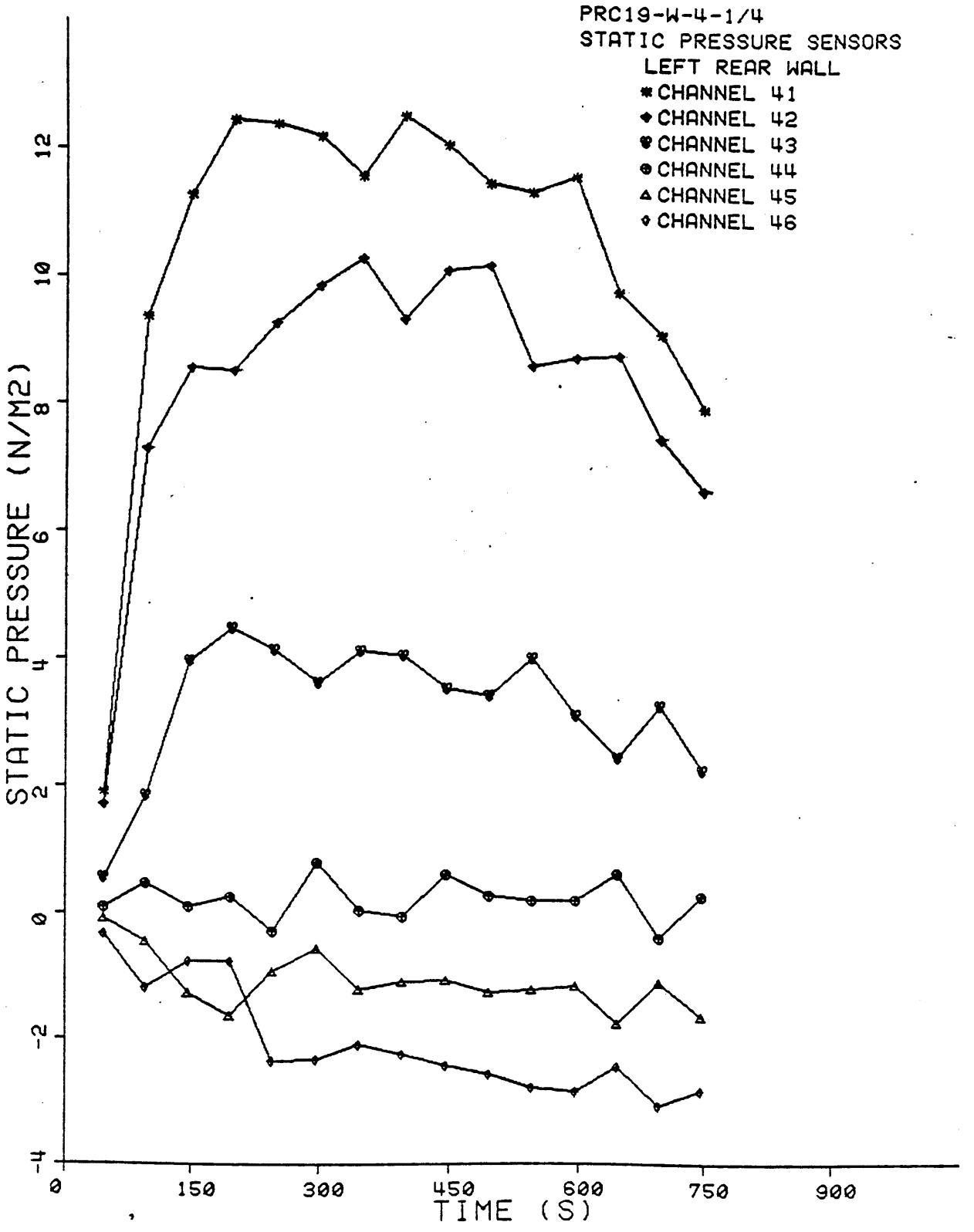

PRC15-W-4-1/2
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

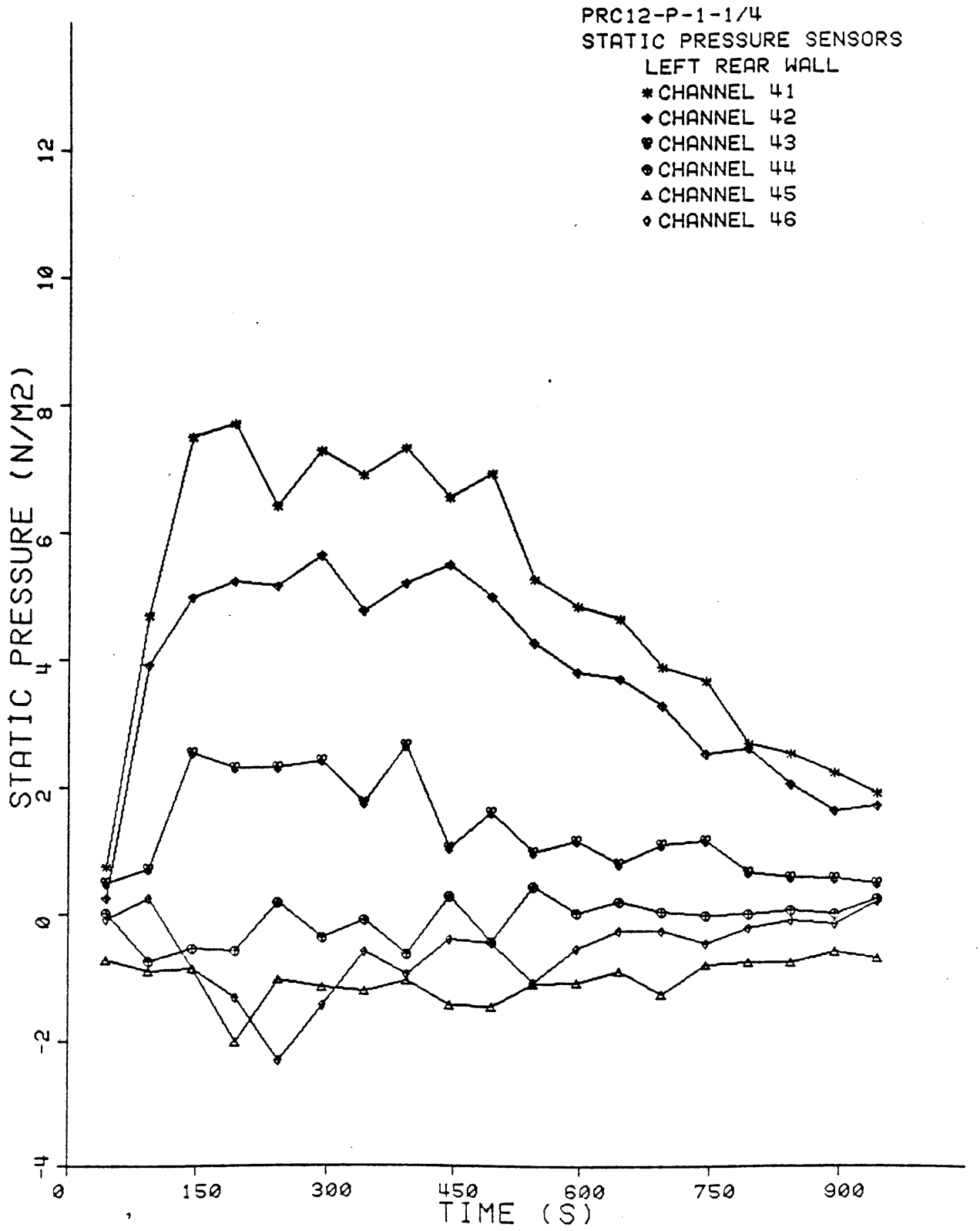

PRC10-P-2-1/2
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

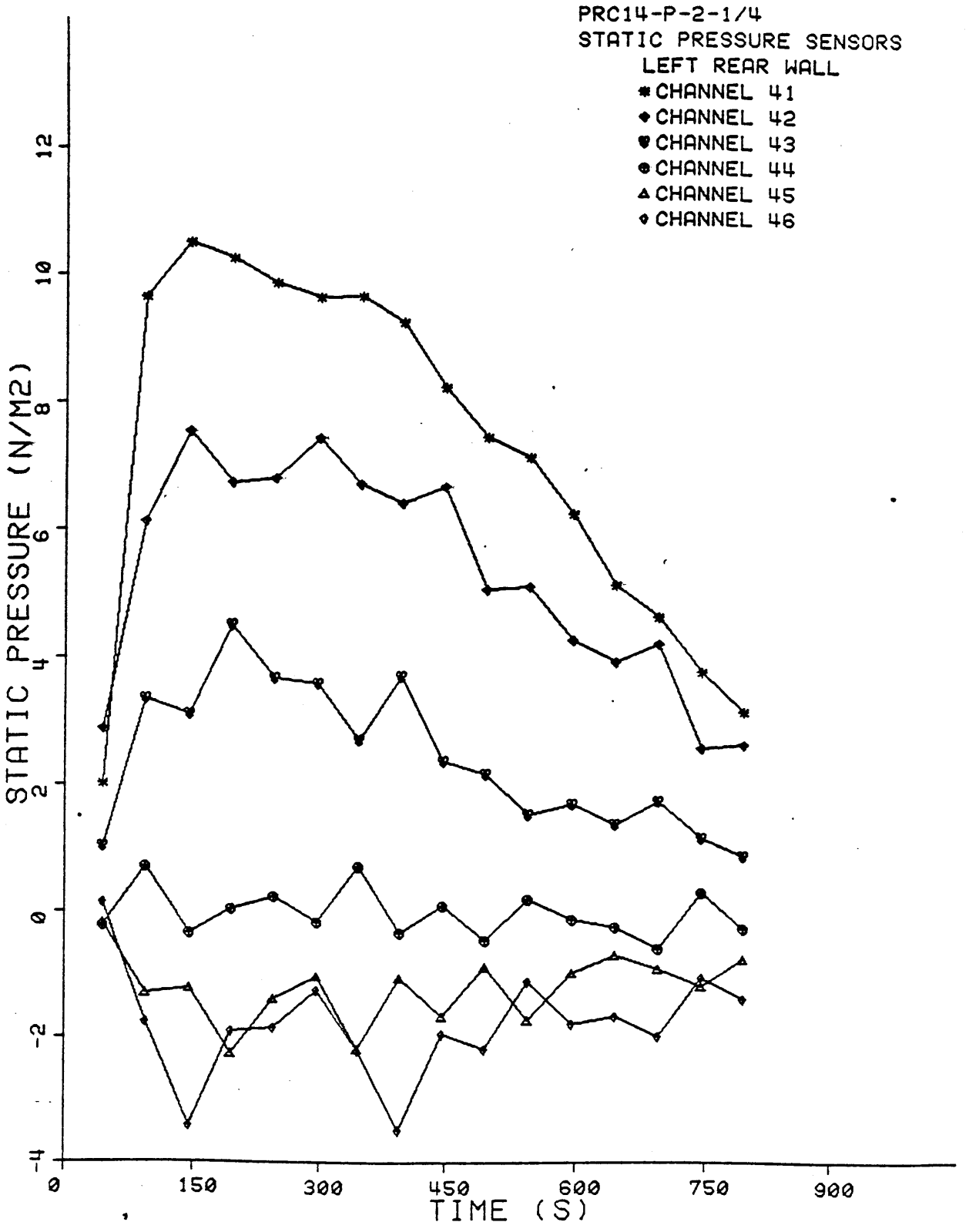

PRC18-P-3-1/2
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

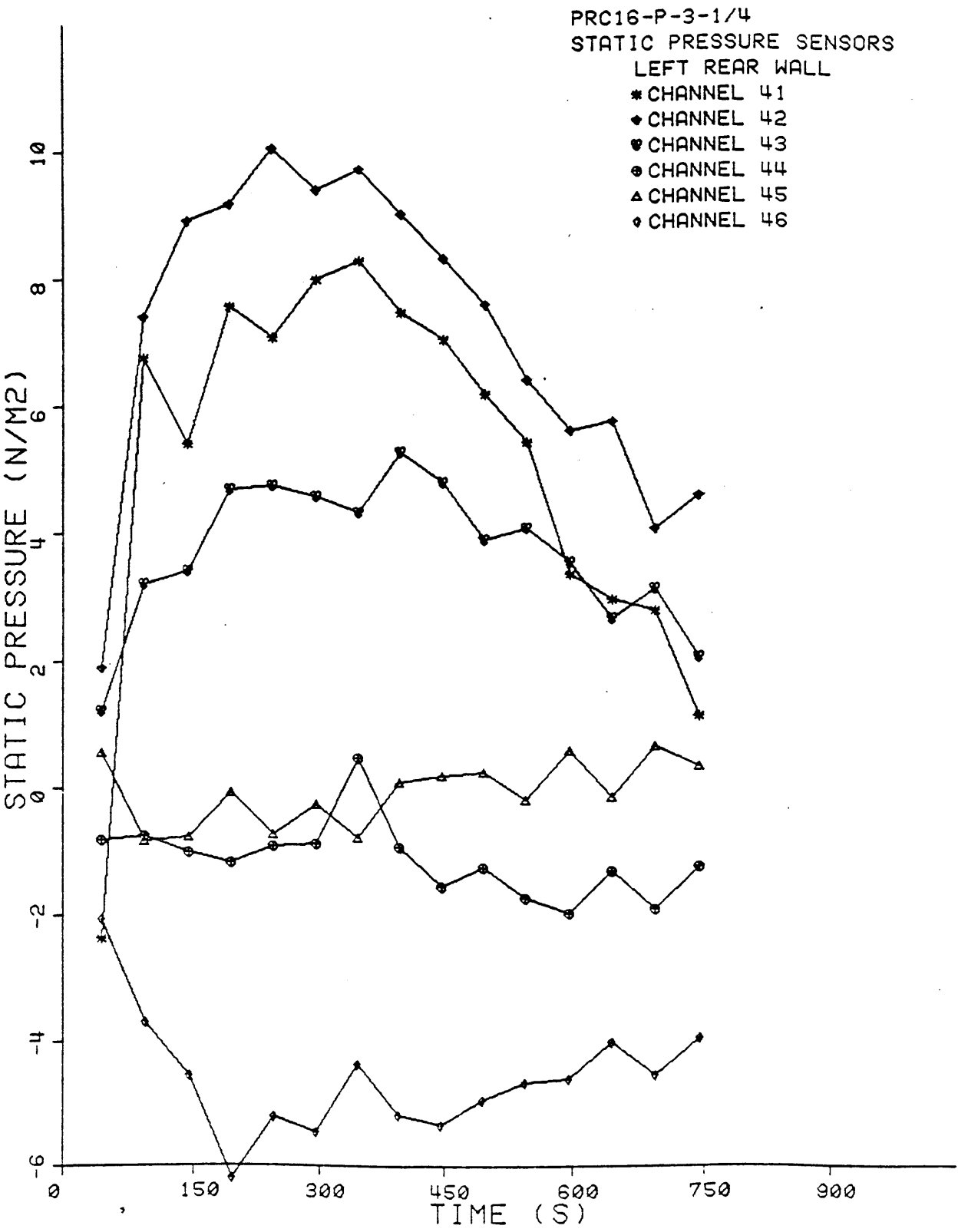

PRC13-W-2-1/4
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

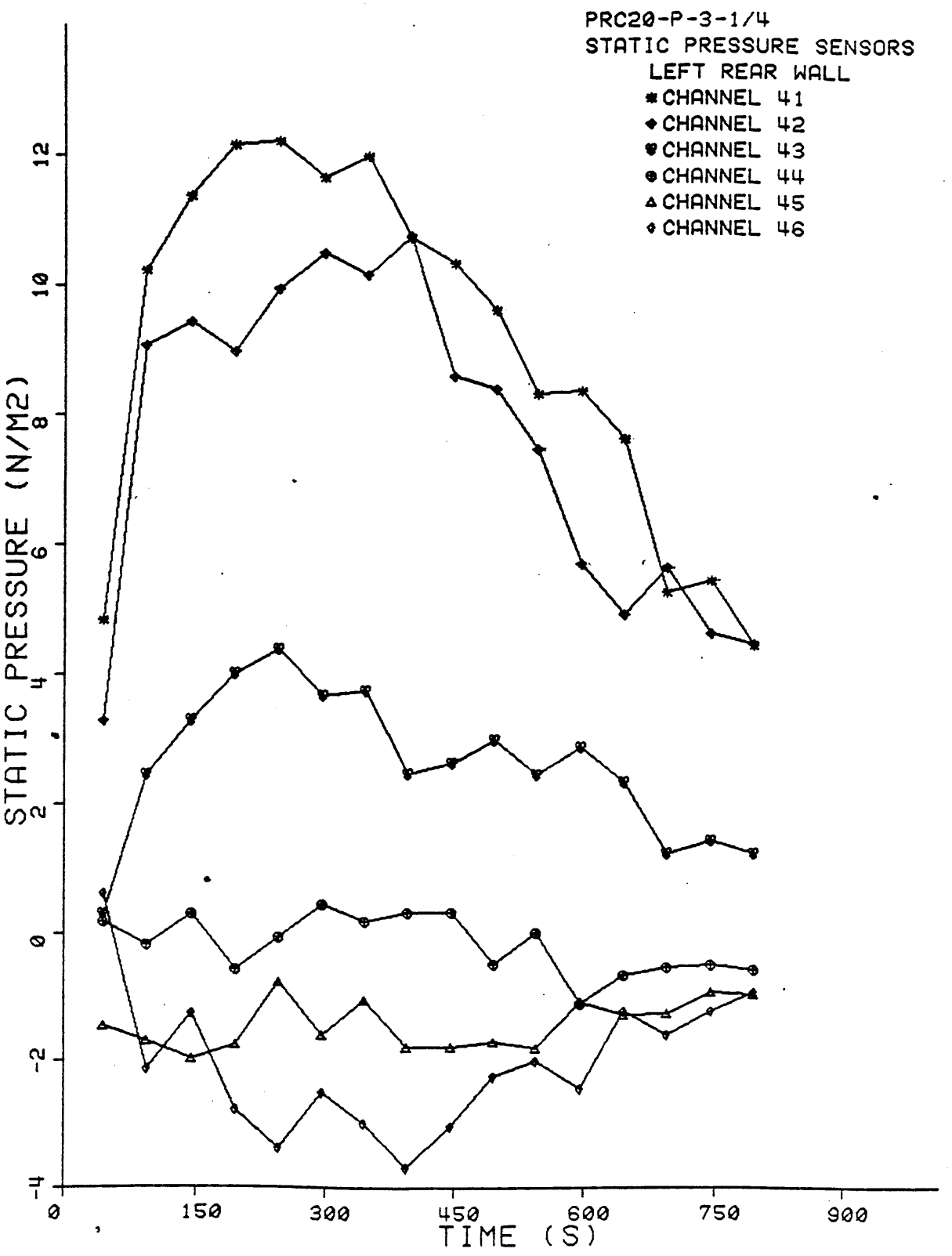

PRC17-W-4-1/4
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)


PRC19-W-4-1/4
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)


PRC12-P-1-1/4
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)


PRC14-P-2-1/4
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)


PRC16-P-3-1/4
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
10
8
6
4
2
0
-2
-4
-6
0
150
300
450
600
750
900
TIME (S)


PRC20-P-3-1/4
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

10. GAS CONCENTRATION

The volume concentrations (dry basis) of 0_2 and CO_2 measured at the top of the doorway are shown in figures 10-1 to 10-2. These concentration results are mirror-like images of each other provided a significant concentration of CO is not produced which was certainly the case in our experiments. In fact it can be shown from equations 6-30 through 6-32 of volume I that (for insignificant fuel production)

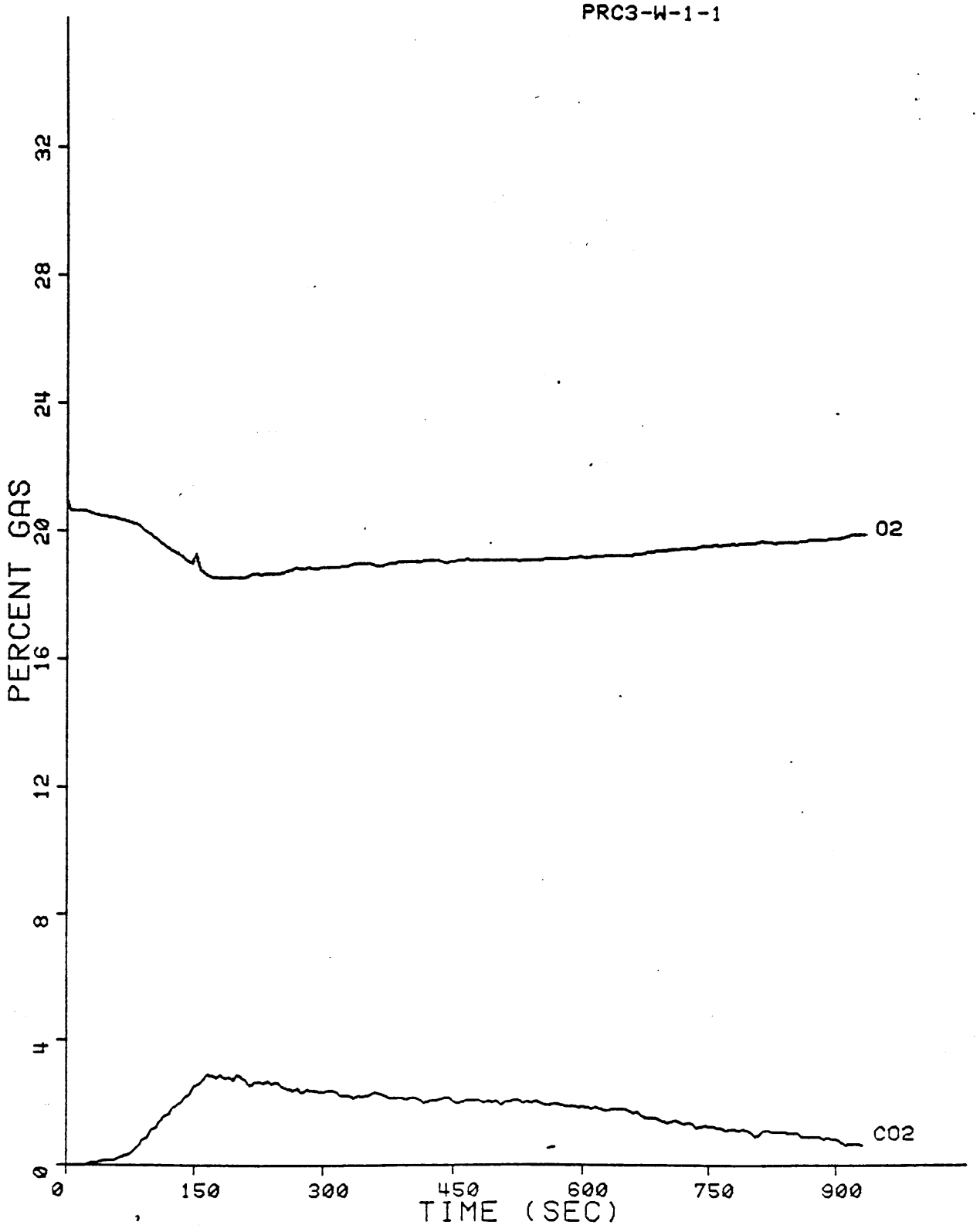
$$\chi_{02} + \frac{M_{CO_2}}{M_{02}} \frac{\nu_{02}}{\nu_{CO_2}} \chi_{CO_2} = 0.21$$

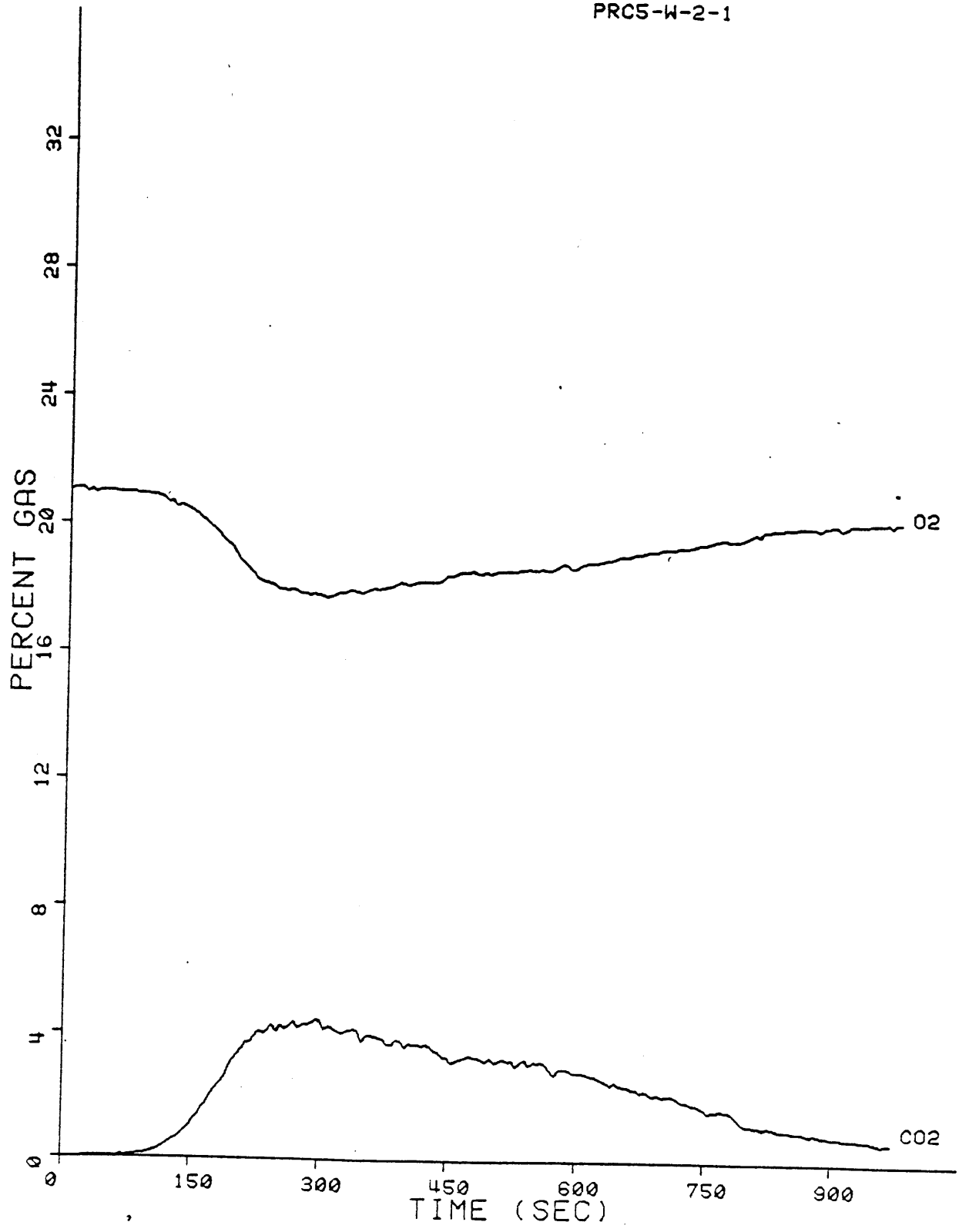
where χ is the volume concentration,

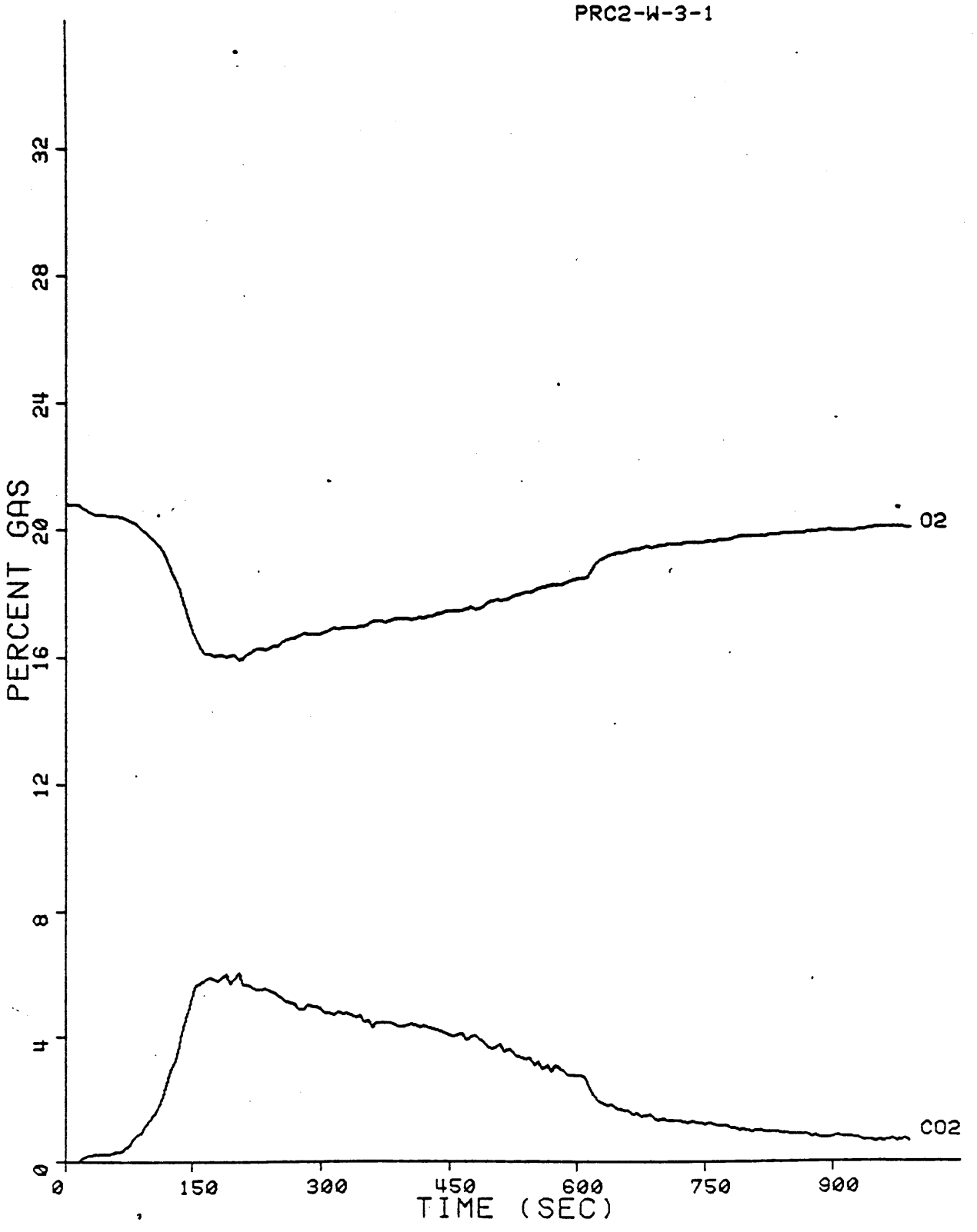
M is the molecular weight,

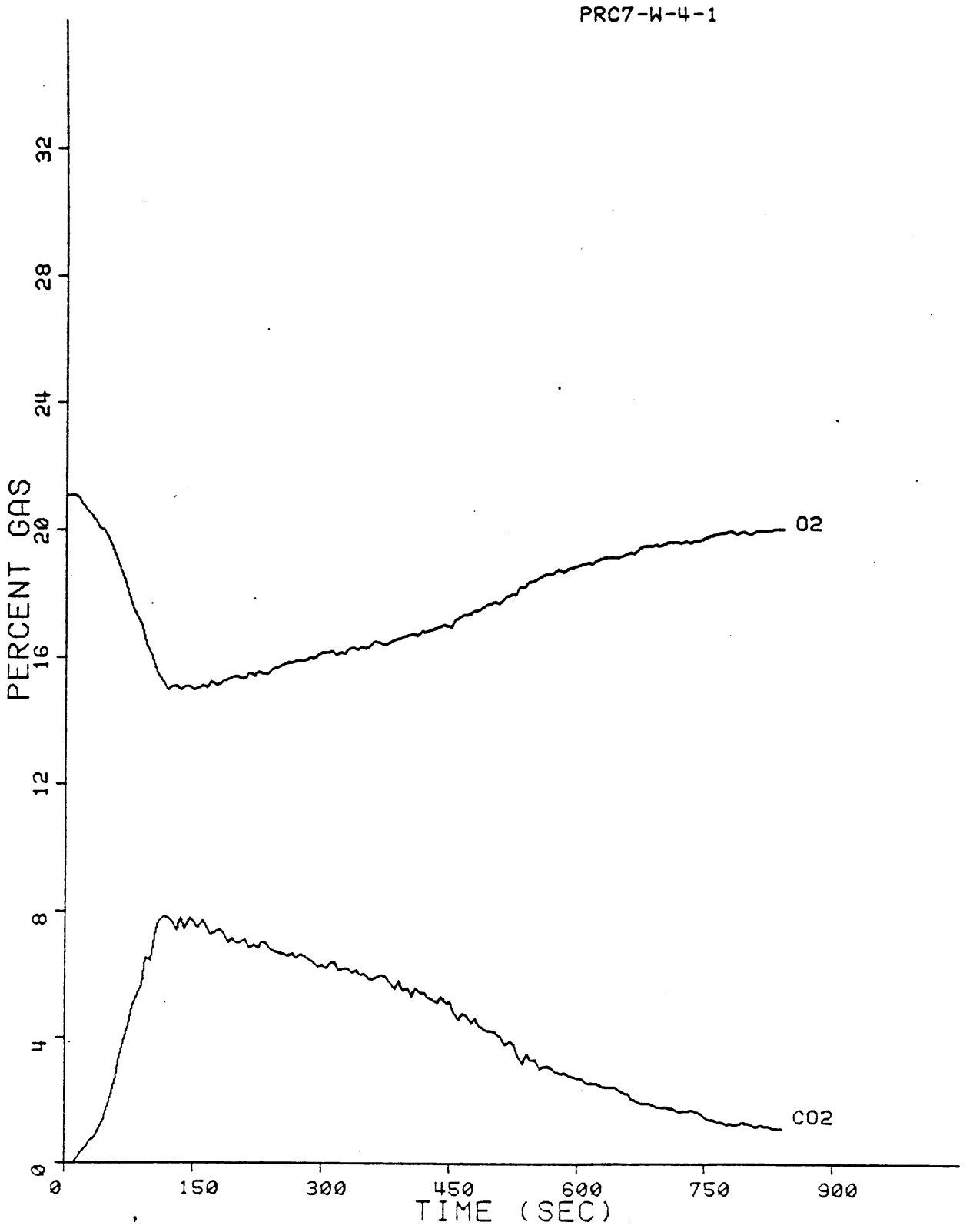
and ν is the stoichiometric coefficient,

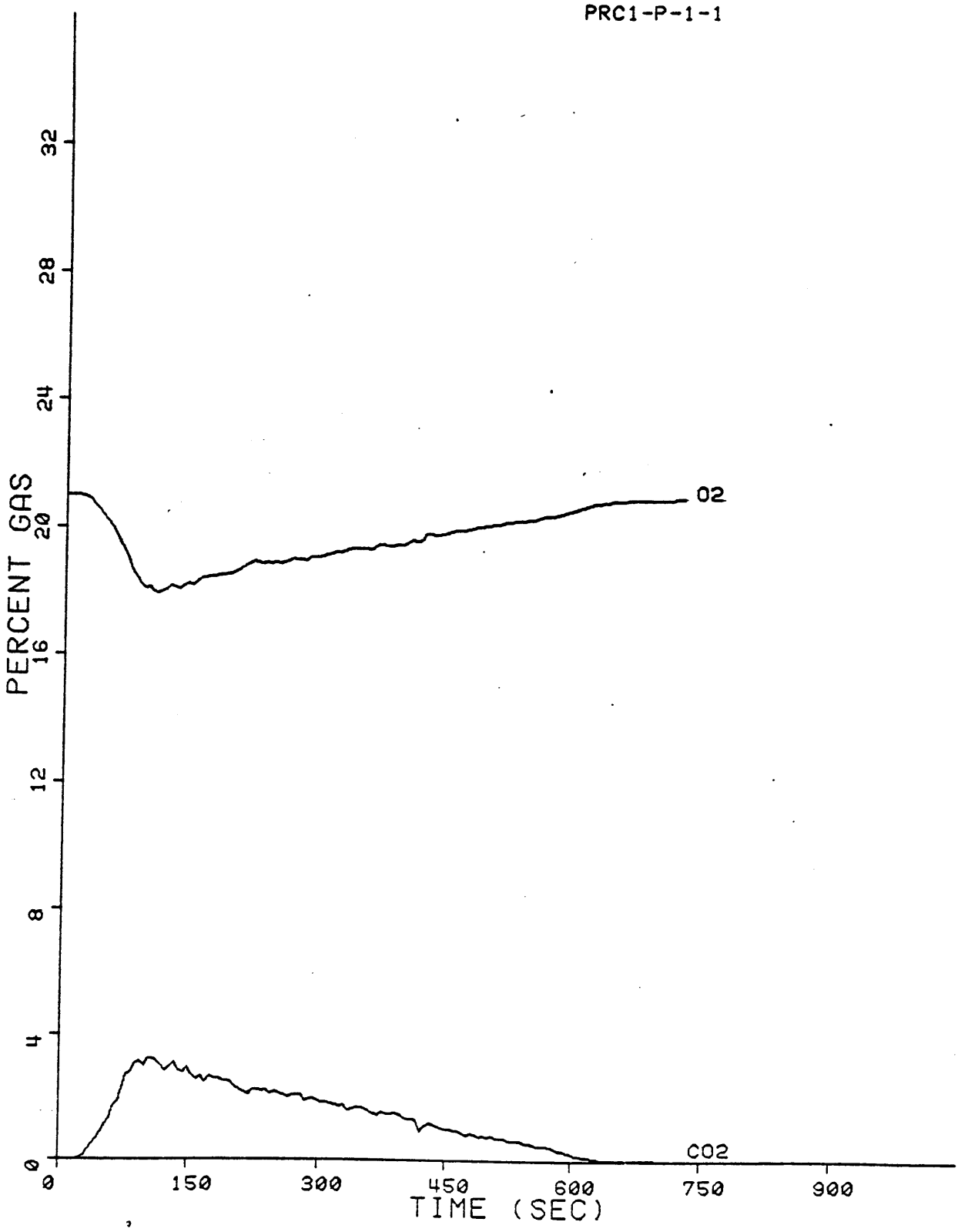
for the CO_2 and O_2 species respectively.

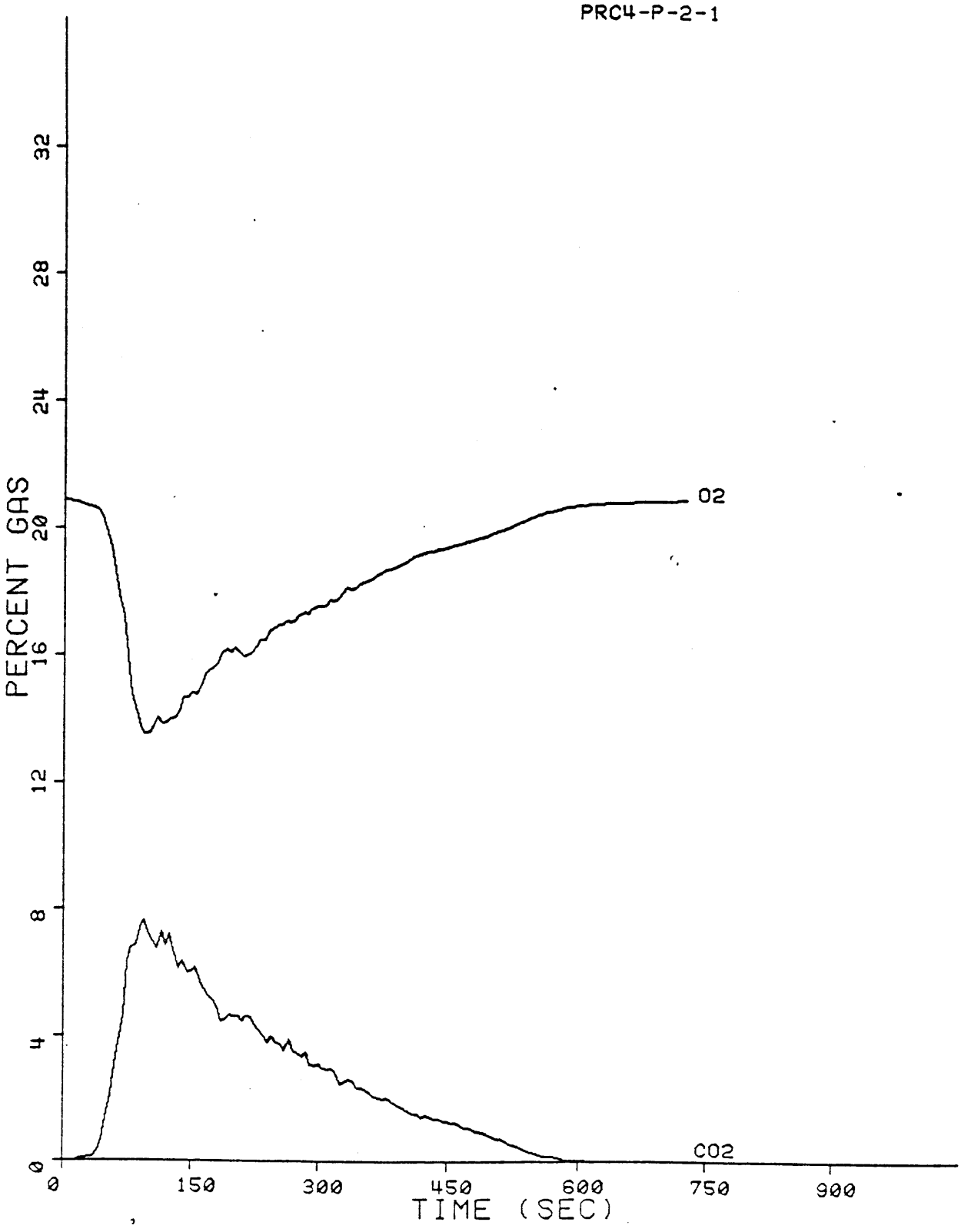

PRC3-W-1-1
PERCENT GAS
0
4
8
12
16
20
24
28
32
O2
CO2
0
150
300
450
600
750
900
TIME (SEC)

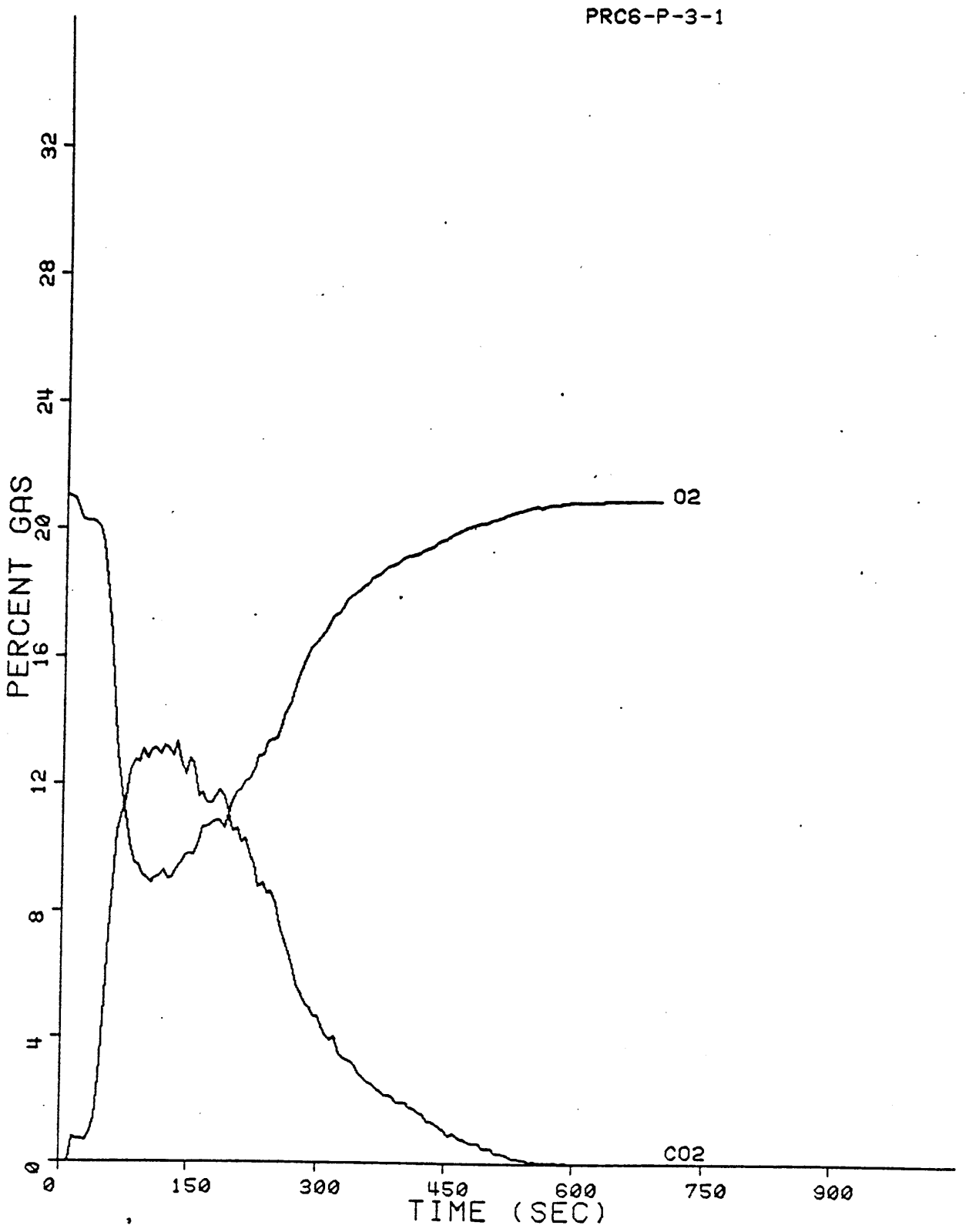

PRC5-W-2-1
PERCENT GAS
0
4
8
12
16
20
24
28
32
O2
CO2
0
150
300
450
600
750
900
TIME (SEC)


PRC2-W-3-1
PERCENT GAS
0
4
8
12
16
20
24
28
32
O2
CO2
0
150
300
450
600
750
900
TIME (SEC)

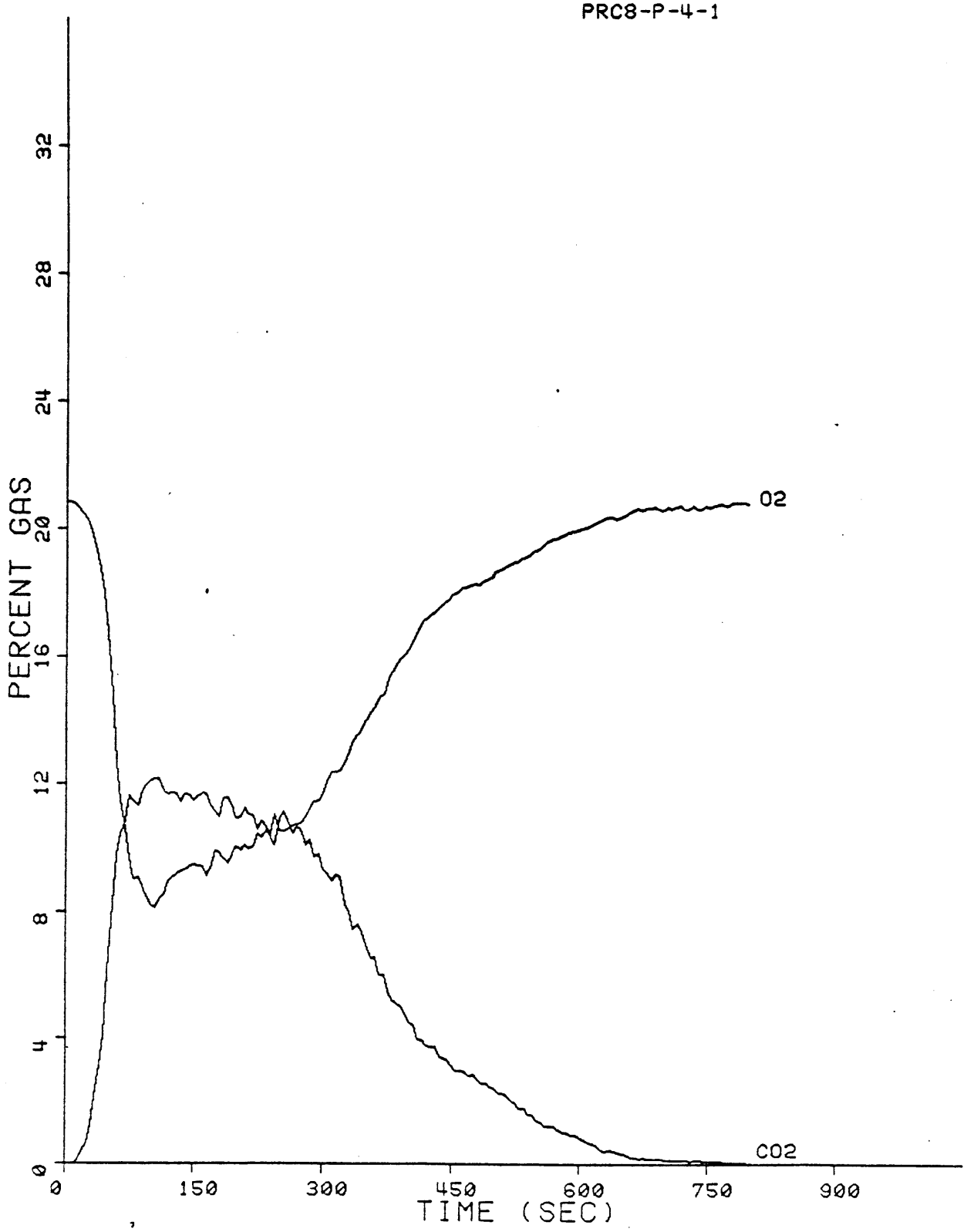

PRC7-W-4-1
PERCENT GAS
0
4
8
12
16
20
24
28
32
O2
CO2
0
150
300
450
600
750
900
TIME (SEC)

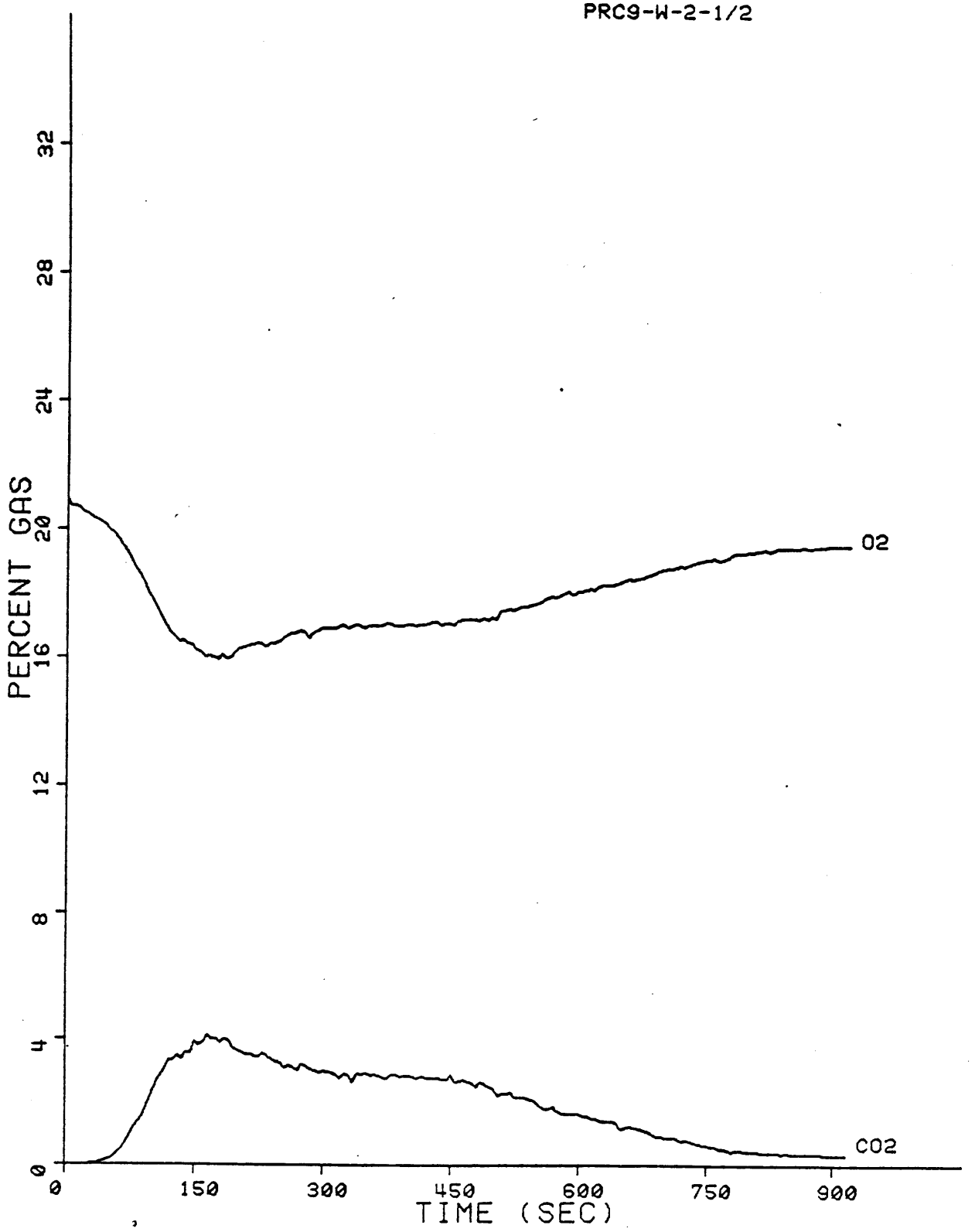

PRC1-P-1-1
PERCENT GAS
0
4
8
12
16
20
24
28
32
02
CO2
0
150
300
450
600
750
900
TIME (SEC)

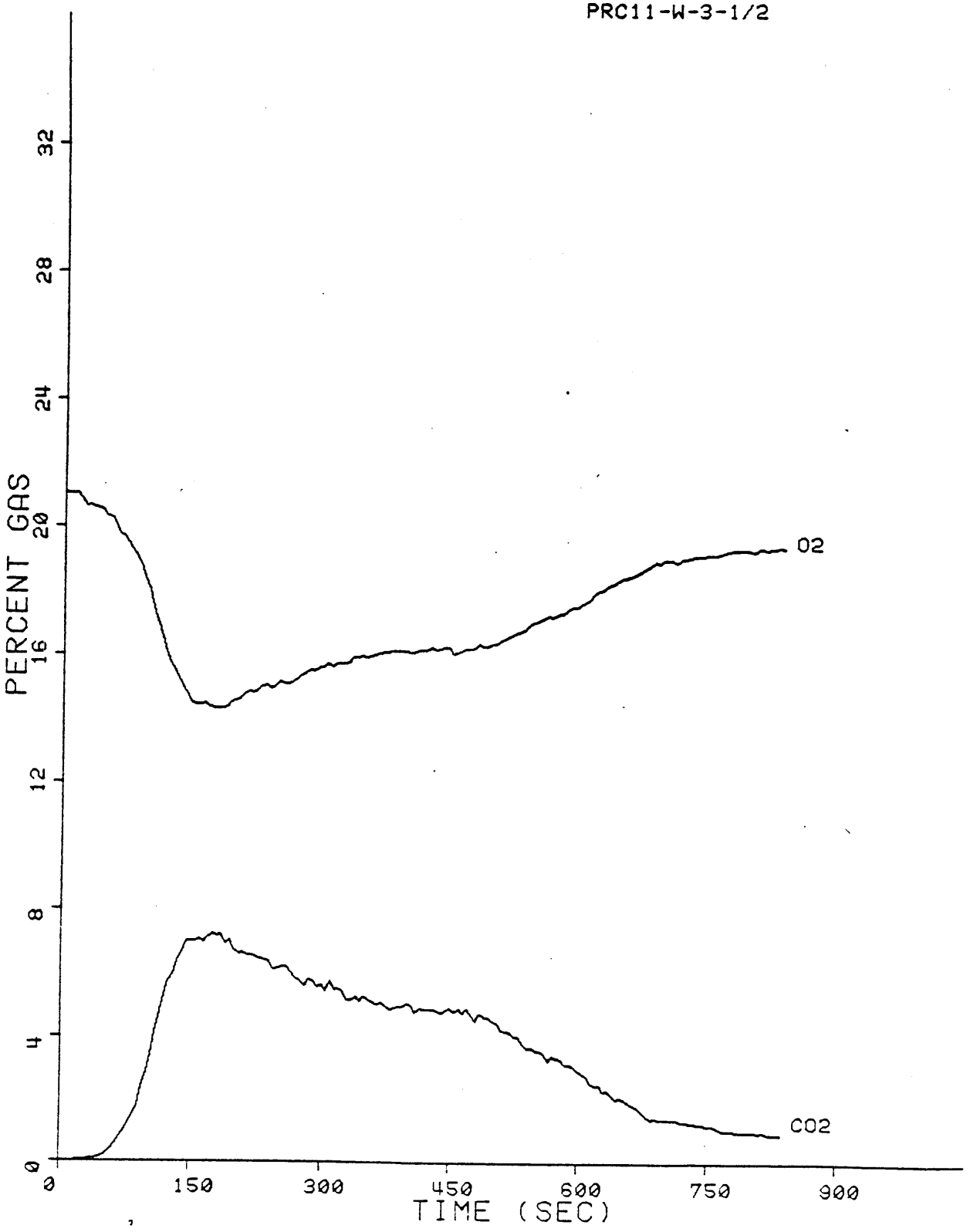

PRC4-P-2-1
PERCENT GAS
0
4
8
12
16
20
24
28
32
O2
CO2
0
150
300
450
600
750
900
TIME (SEC)


PRC6-P-3-1
PERCENT GAS
0
4
8
12
16
20
24
28
32
02
CO2
0
150
300
450
600
750
900
TIME (SEC)

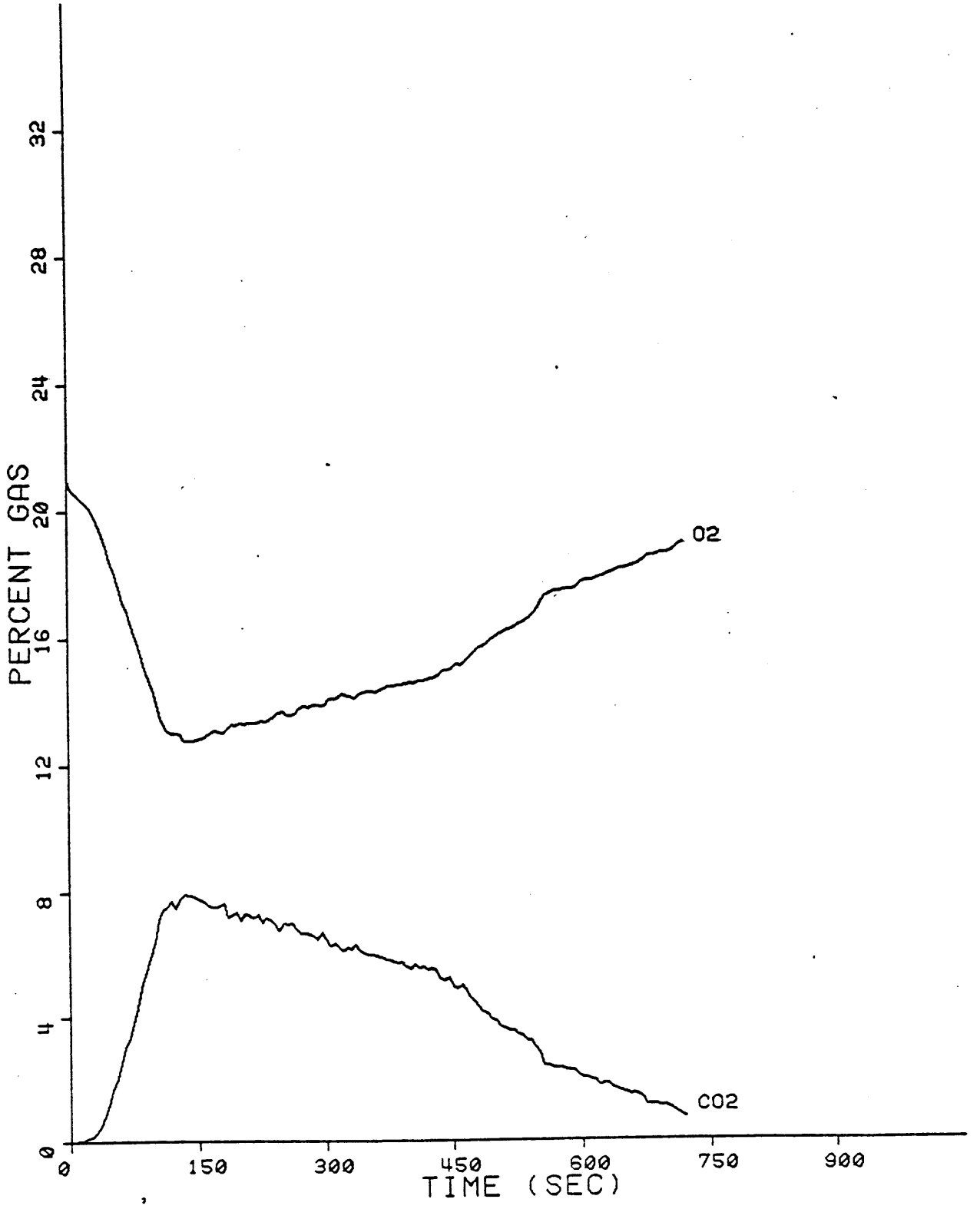
PRC8-P-4-1

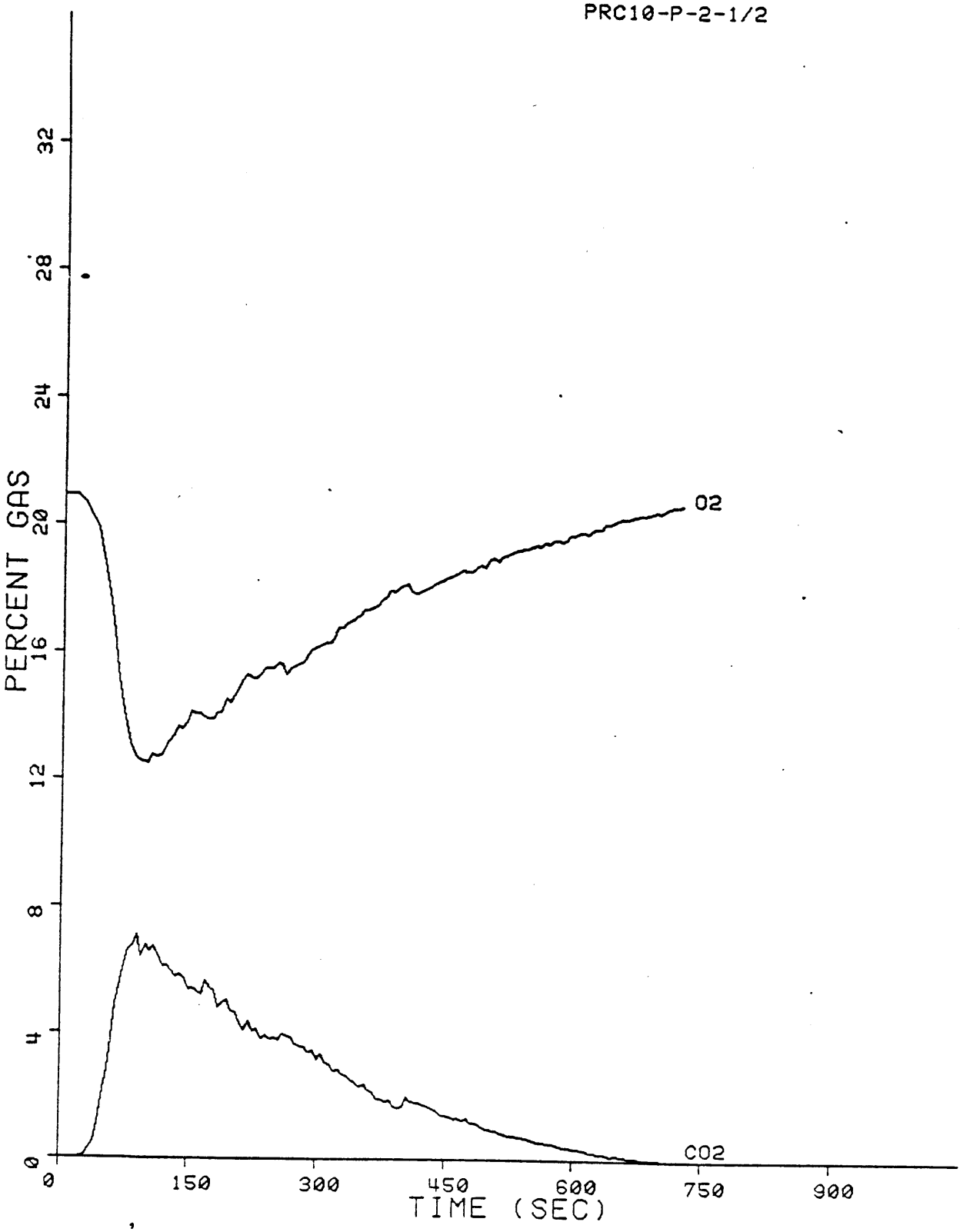

PERCENT GAS
0
4
8
12
16
20
24
28
32
0
150
300
450
600
750
900
TIME (SEC)
02
C02


PRC9-W-2-1/2
PERCENT GAS
0
4
8
12
16
20
24
28
32
O2
CO2
0
150
300
450
600
750
900
TIME (SEC)

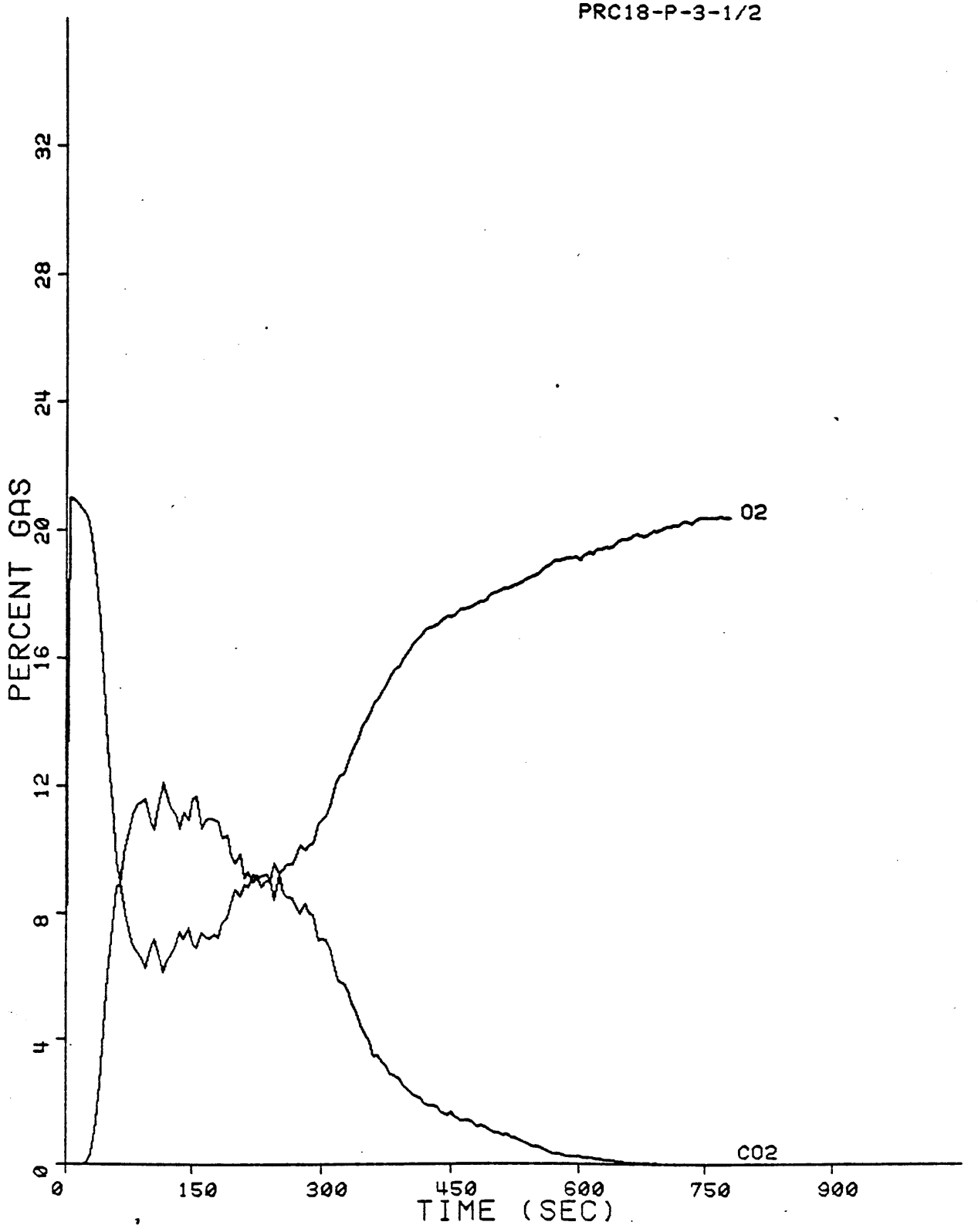

PRC11-W-3-1/2
PERCENT GAS
0
4
8
12
16
20
24
28
32
02
CO2
0
150
300
450
600
750
900
TIME (SEC)

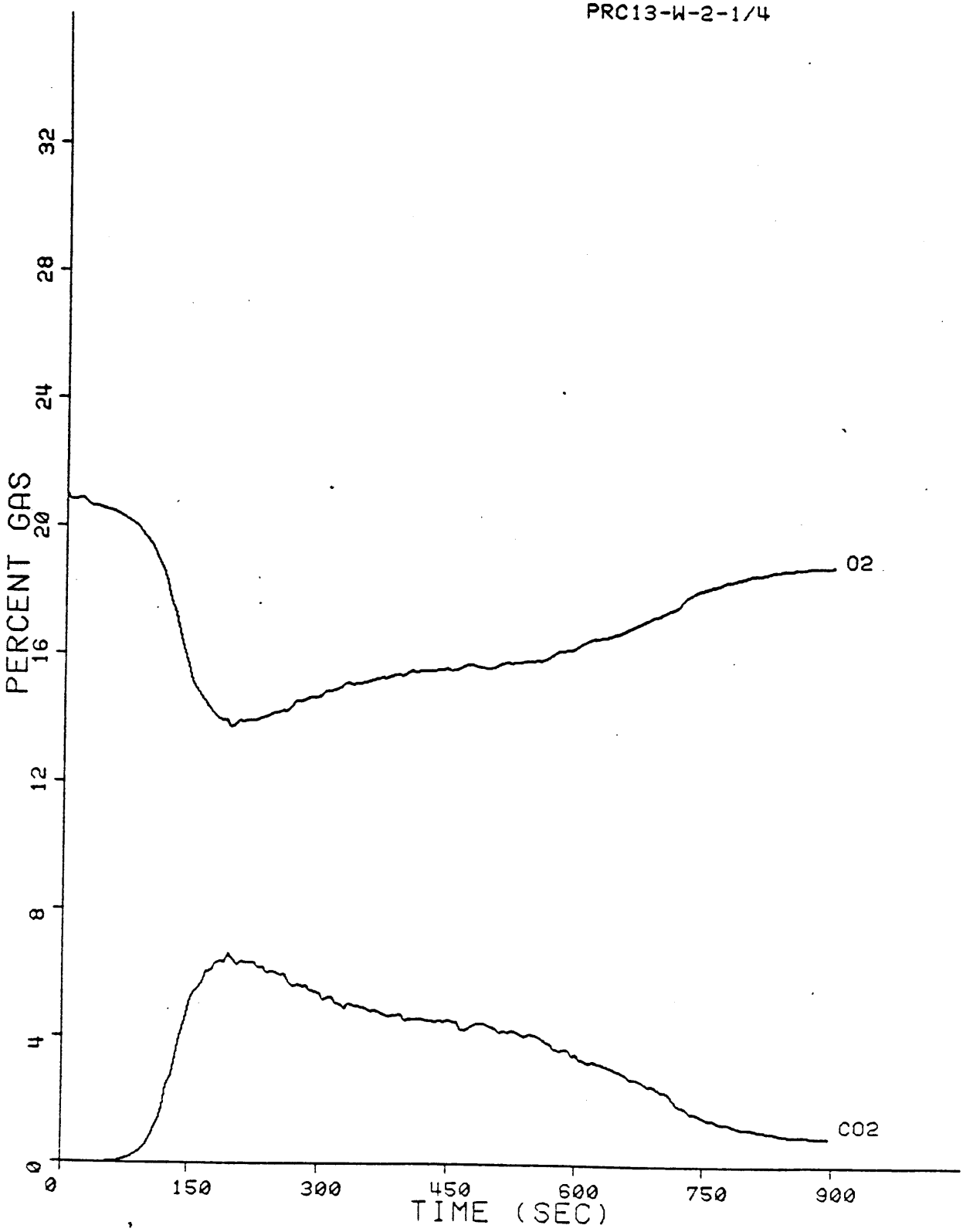
PRC15-W-4-1/2

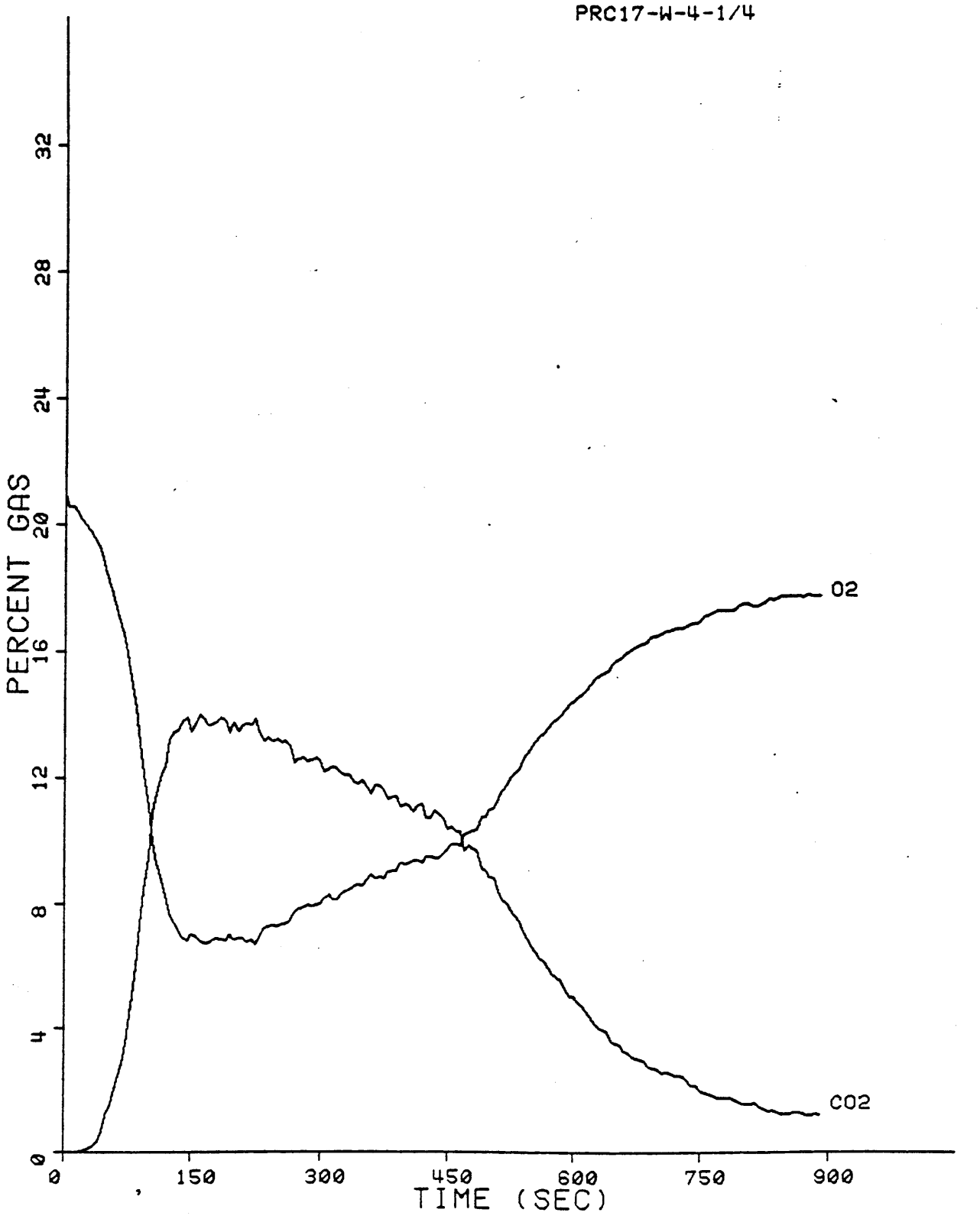

PERCENT GAS
0
4
8
12
16
20
24
28
32
O2
CO2
0
150
300
450
600
750
900
TIME (SEC)


PRC10-P-2-1/2
PERCENT GAS
0
4
8
12
16
20
24
28
32
O2
CO2
0
150
300
450
600
750
900
TIME (SEC)

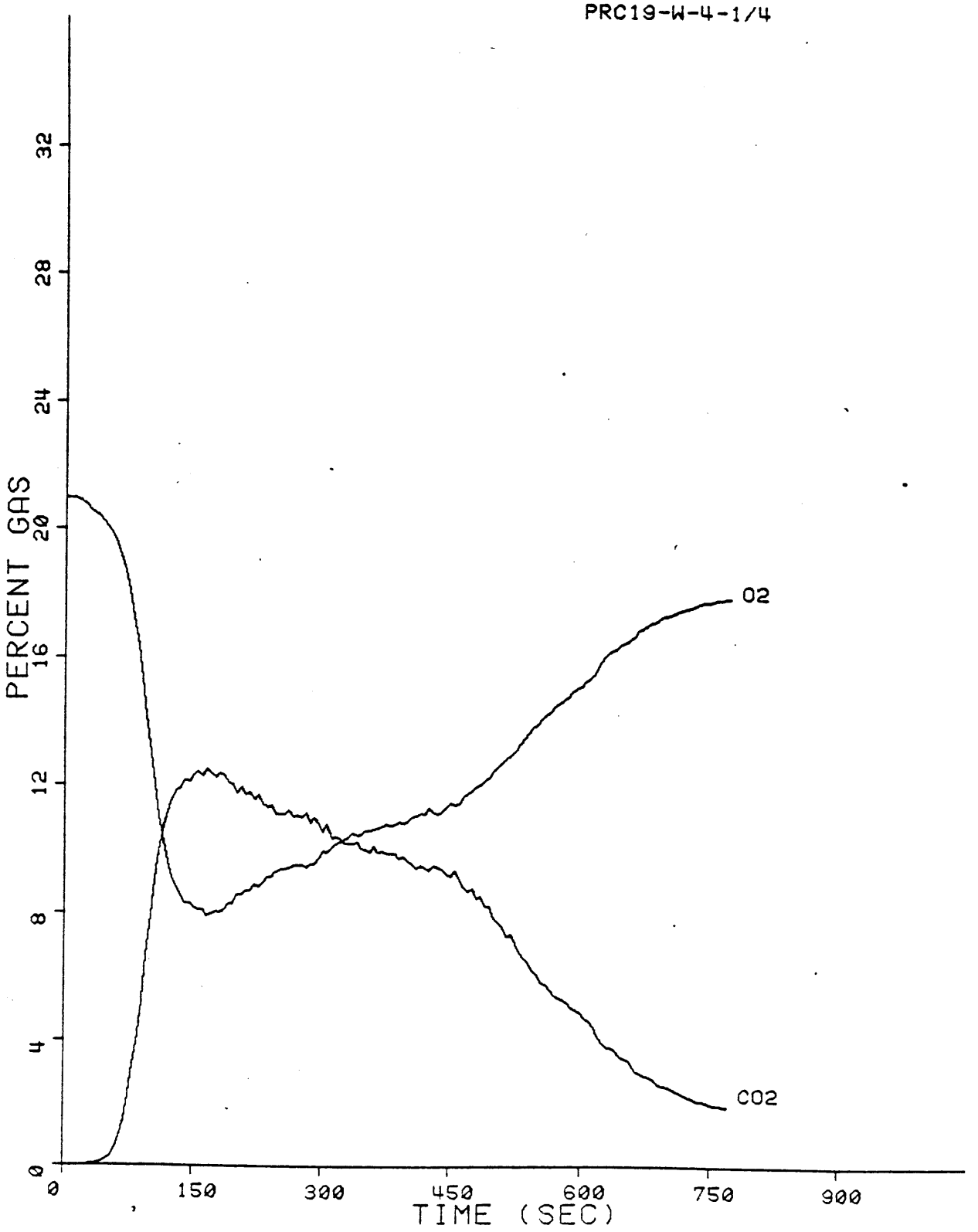
PRC18-P-3-1/2

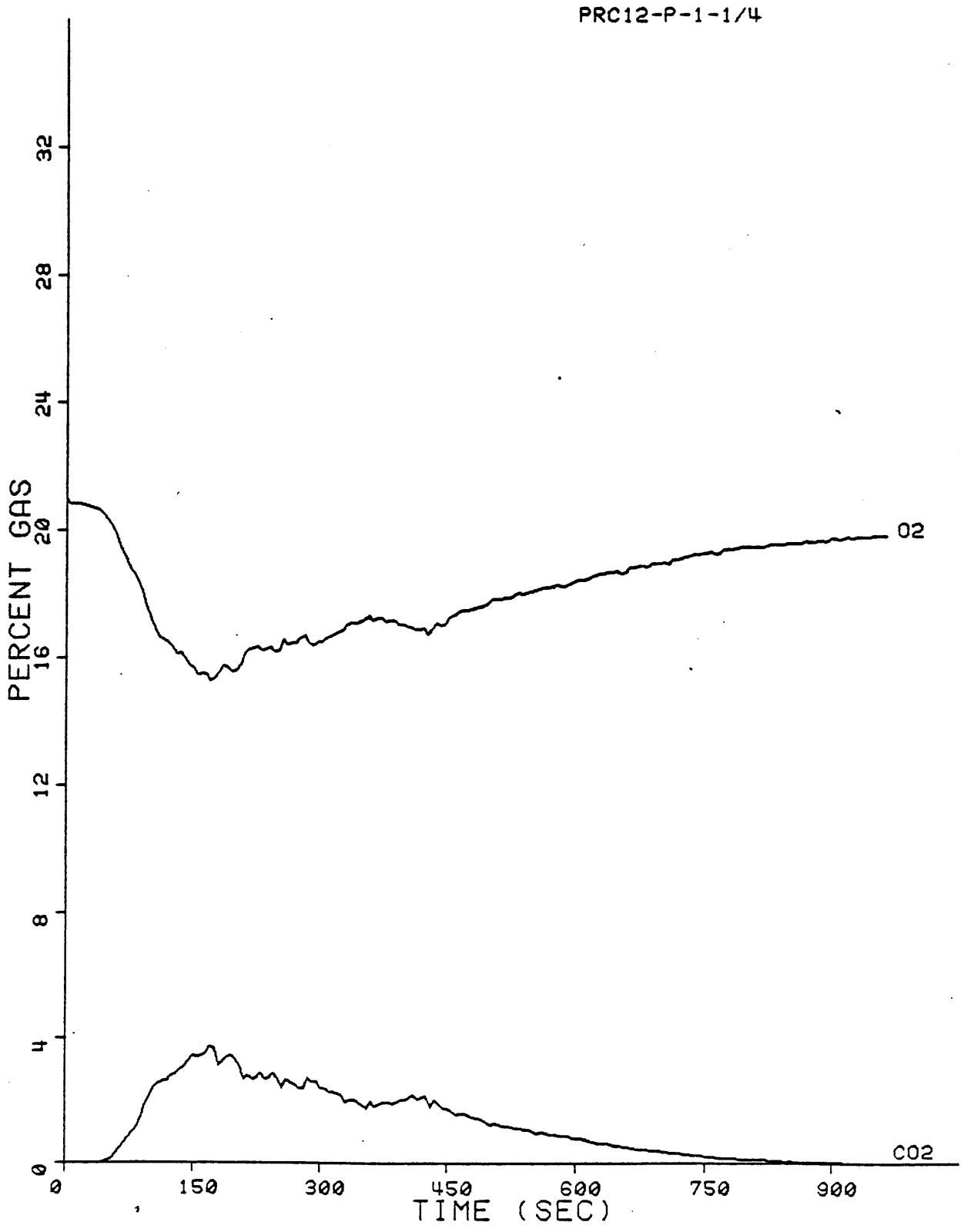

PERCENT GAS
0
4
8
12
16
20
24
28
32
0
150
300
450
600
750
900
TIME (SEC)
02
C02


PRC13-W-2-1/4
PERCENT GAS
0
4
8
12
16
20
24
28
32
02
CO2
0
150
300
450
600
750
900
TIME (SEC)

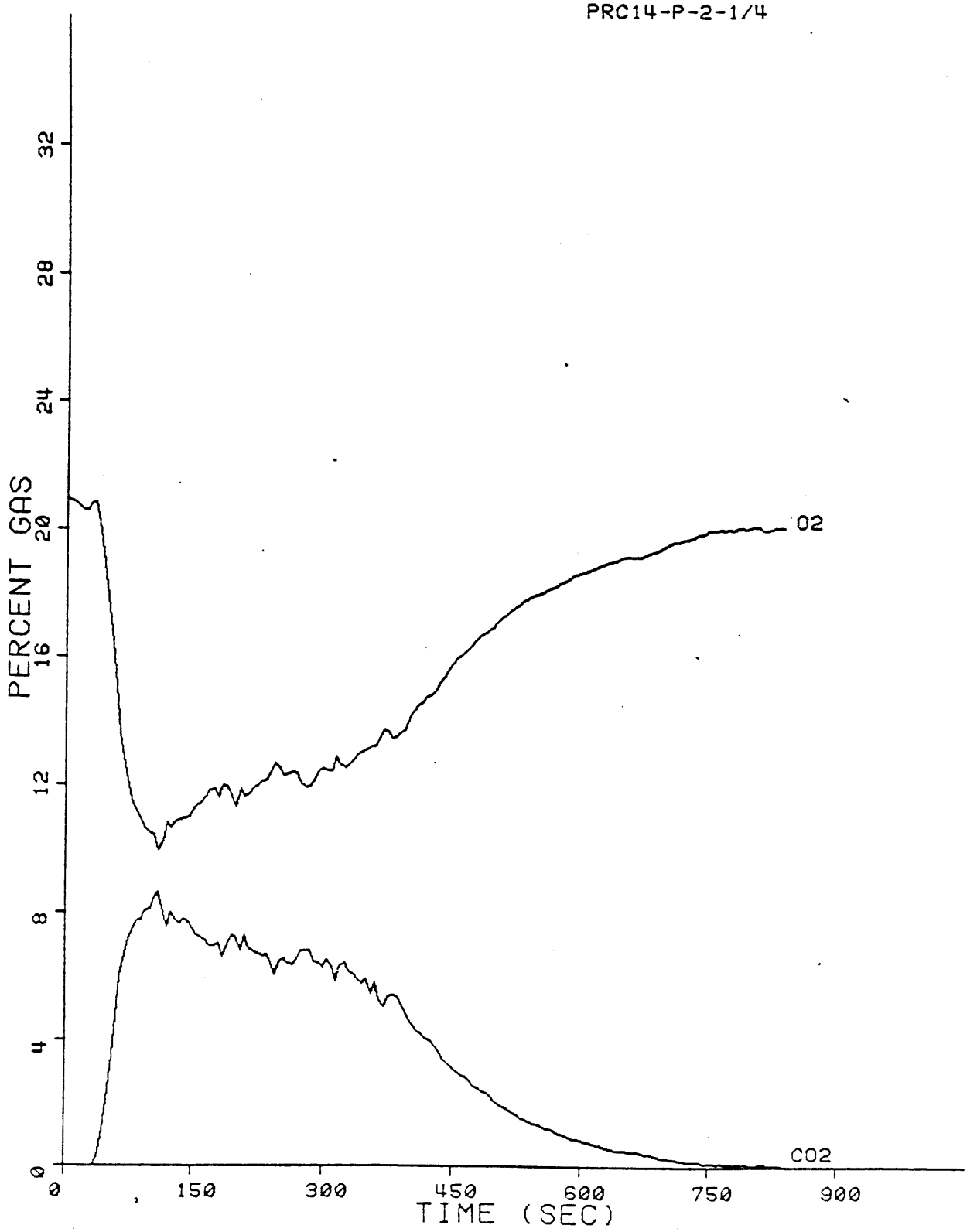

PRC17-W-4-1/4
PERCENT GAS
0
4
8
12
16
20
24
28
32
0
150
300
450
600
750
900
TIME (SEC)
02
C02

PRC19-W-4-1/4

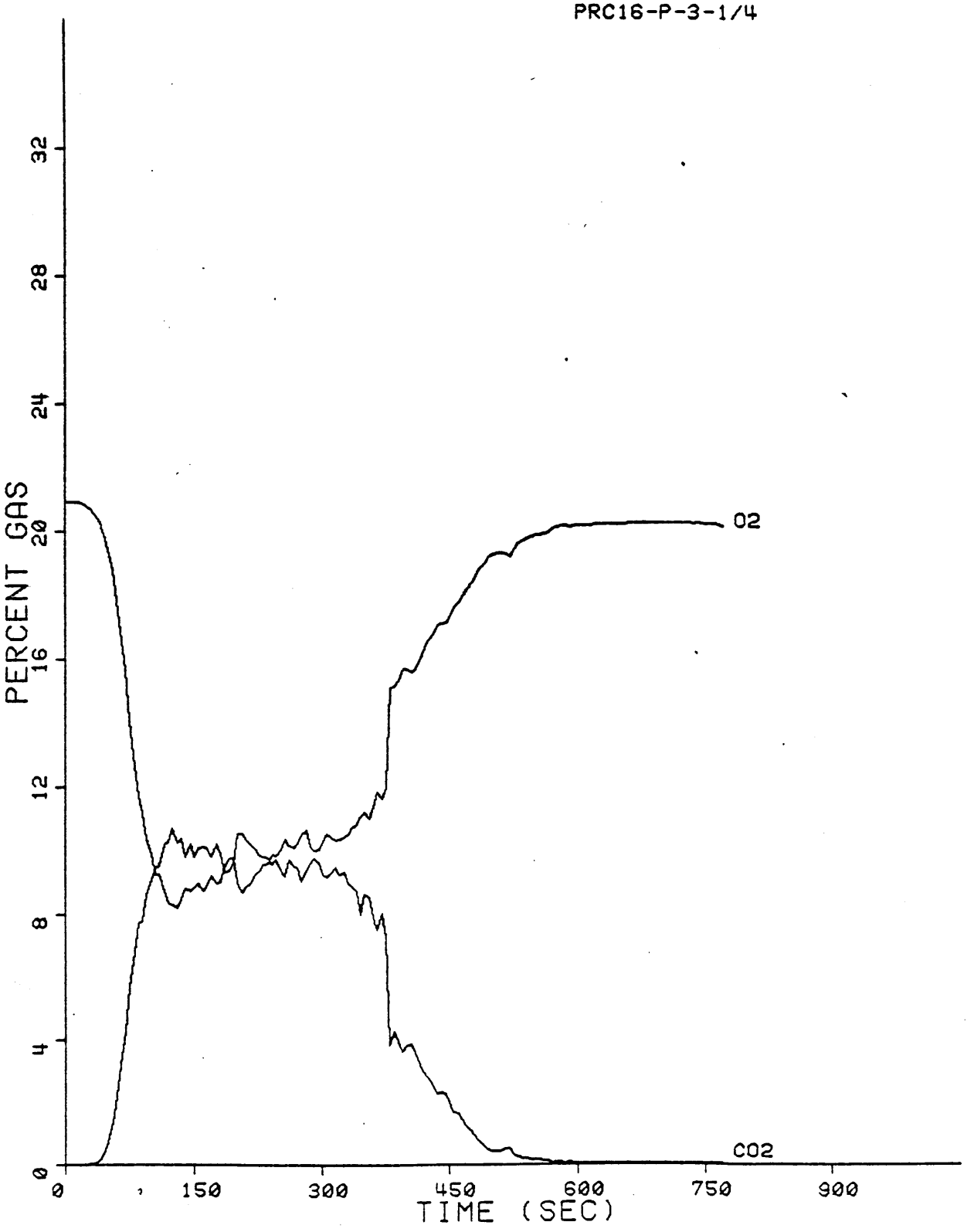

PERCENT GAS
0
4
8
12
16
20
24
28
32
0
150
300
450
600
750
900
TIME (SEC)
O2
CO2


PRC12-P-1-1/4
PERCENT GAS
0
4
8
12
16
20
24
28
32
O2
CO2
0
150
300
450
600
750
900
TIME (SEC)

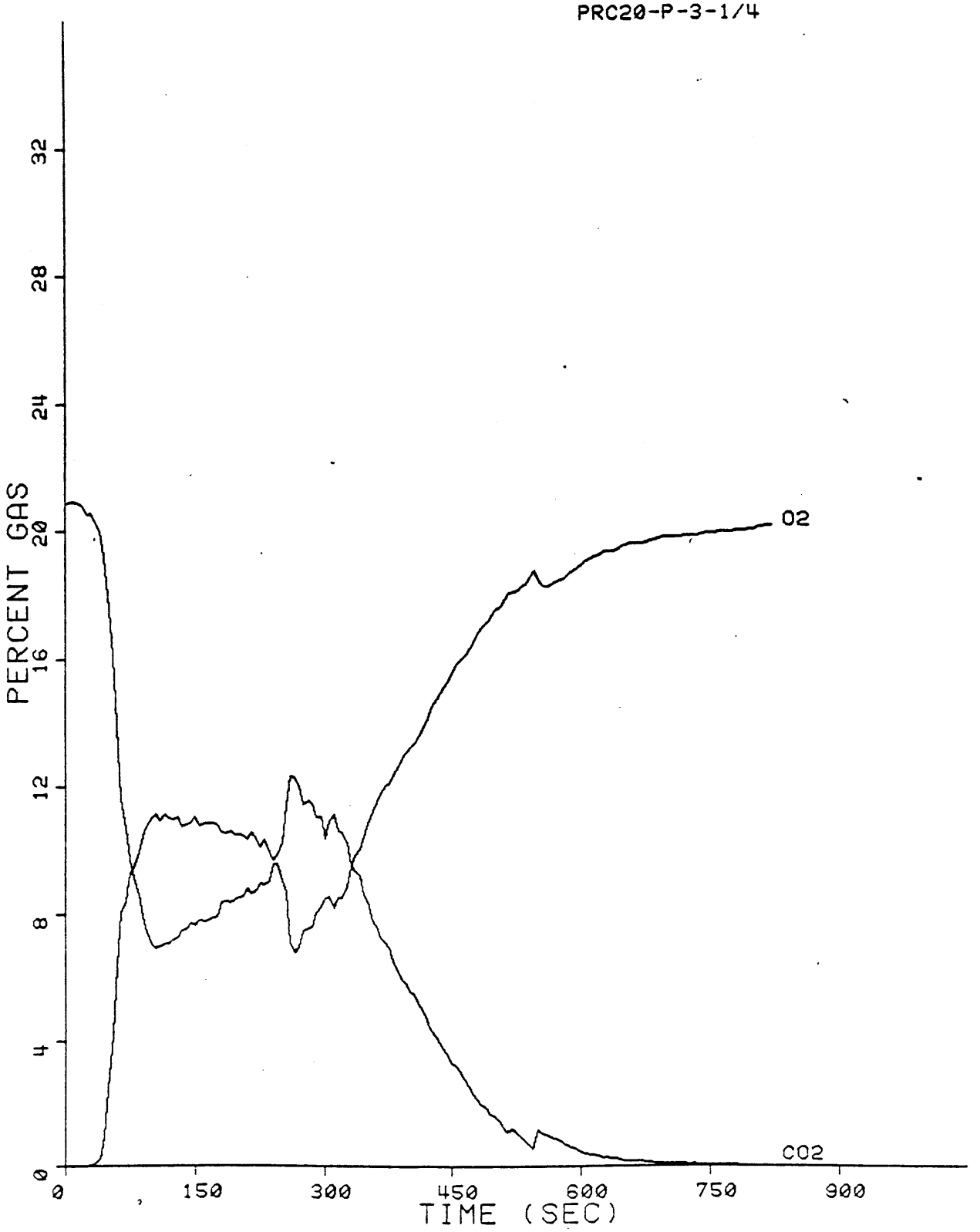
PRC14-P-2-1/4


PERCENT GAS
0
4
8
12
16
20
24
28
32
02
CO2
0
150
300
450
600
750
900
TIME (SEC)

PRC16-P-3-1/4


PERCENT GAS
0
4
8
12
16
20
24
28
32
0
150
300
450
600
750
900
TIME (SEC)
02
C02

PRC20-P-3-1/4


PERCENT GAS
0
4
8
12
16
20
24
28
32
0
150
300
450
600
750
900
TIME (SEC)
02
C02

11. REFERENCES

[1] Quintiere, J. G. and McCaffrey, B. J., The Burning of Wood and Plastic Cribs in an Enclosure, Volume I.

APPENDIX A

EXERCISE IN AVERAGING

Analysis of fire data often requires some type of time averaging. As an illustration the static pressure data from PRC-1-P-1 were averaged by several methods and these results are given here. Figures A-1 through A-6 show the raw data as recorded every 5 seconds. These are continuous plots through these discrete data points. Figures A-7 through A-11 display continuous plots of various running average operations applied to the raw data. The general averaging formula is given as

$$\bar{p}\left(t_i + m\,\Delta t\right) = \frac{1}{N\Delta t} \int_{t_i}^{t_i + N\Delta t} p(t)\,dt$$

where $\Delta t = 5$ seconds, and the integral is evaluated by a quadrature rule for the discrete data $p(t)$ over the interval $N\Delta t$. In figure A-7, $N = m = 10$ and the integral is evaluated by a rectangular rule. In figures A-8 through A-11, N is 5, 10, 15 and 20 respectively, and the integral is evaluated by the trapezodial rule. In each of these cases m was selected such that $\bar{p}$ was evaluated each time at the center of the interval $N\Delta t$.

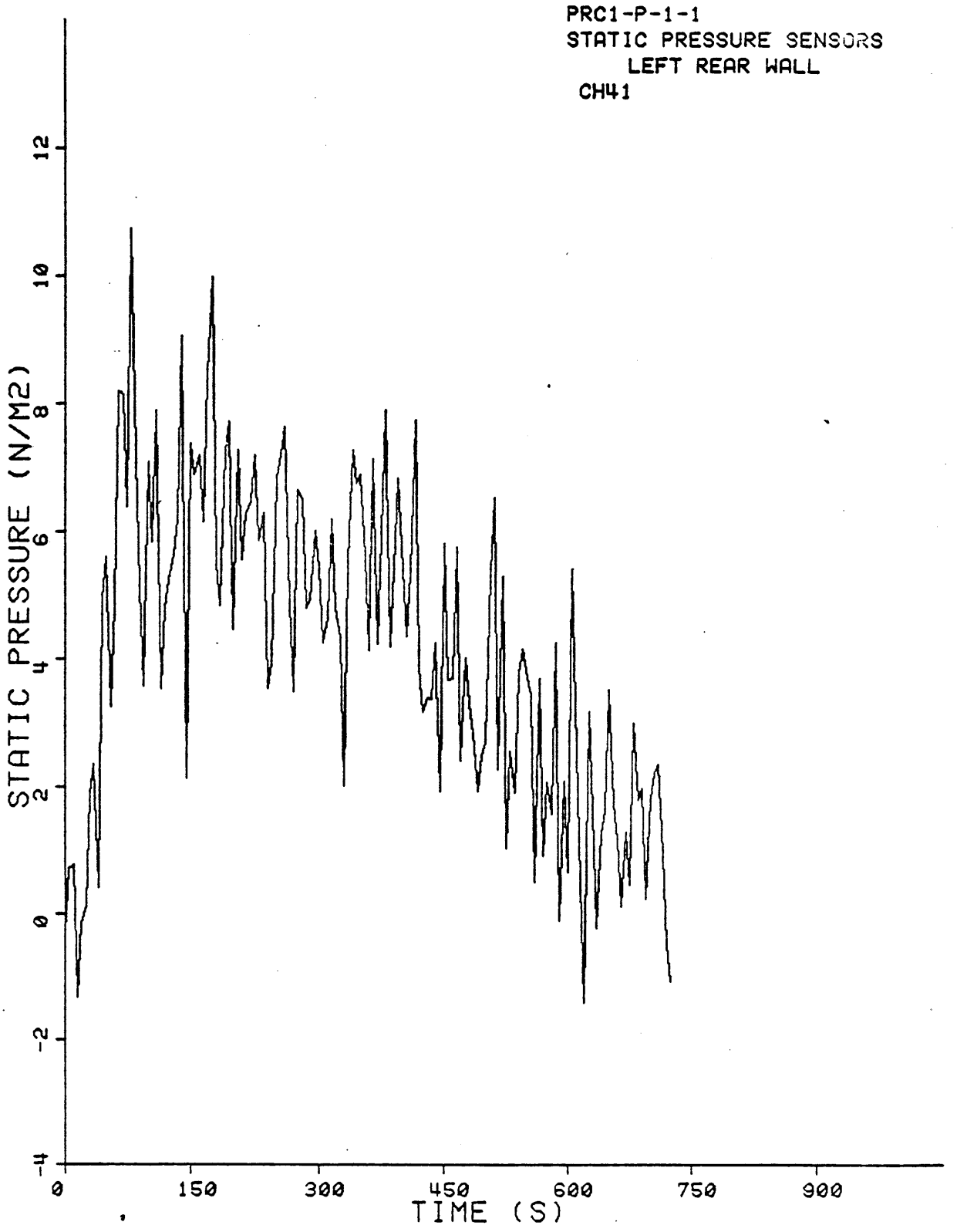

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CH41
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-1

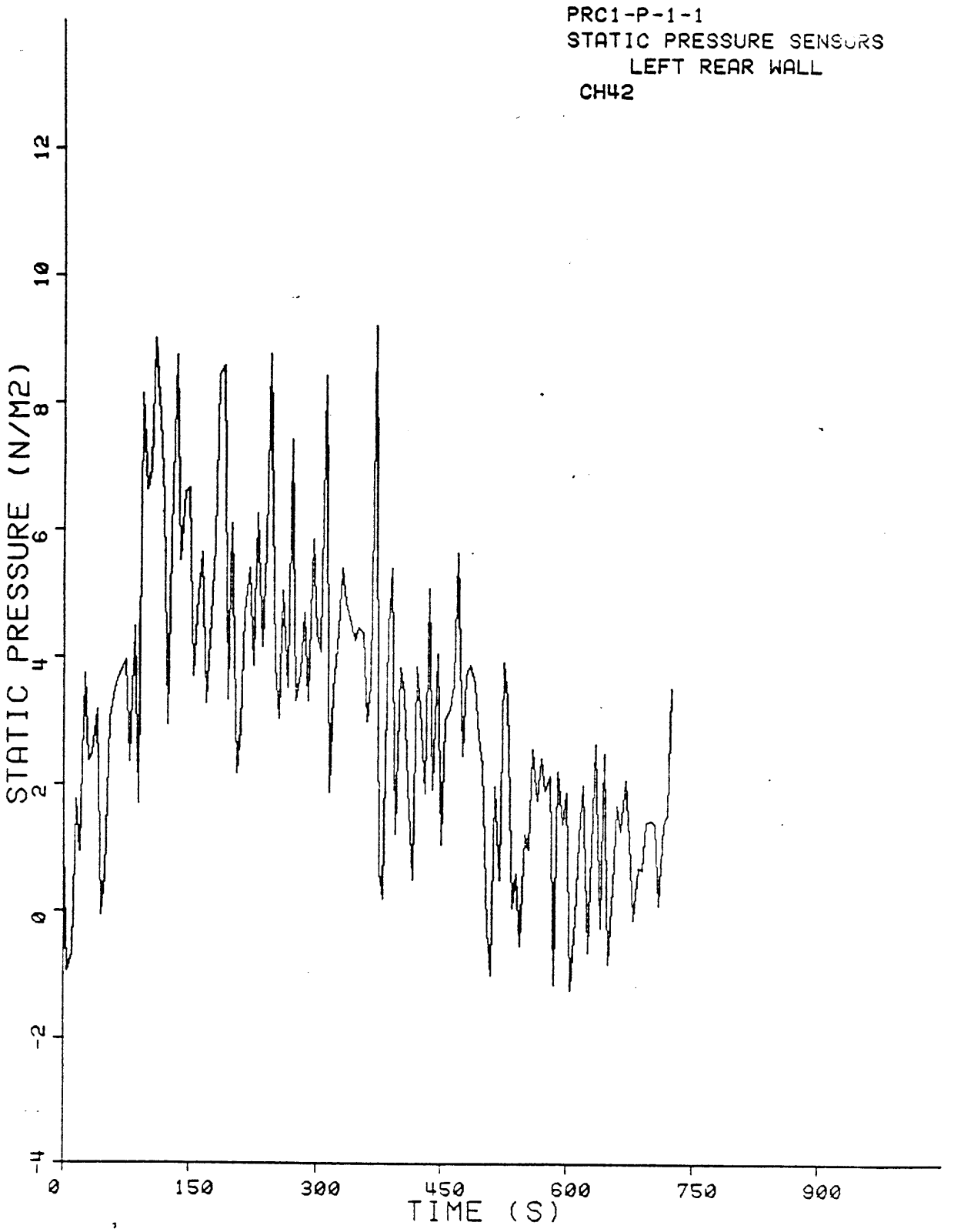

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CH42
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-2

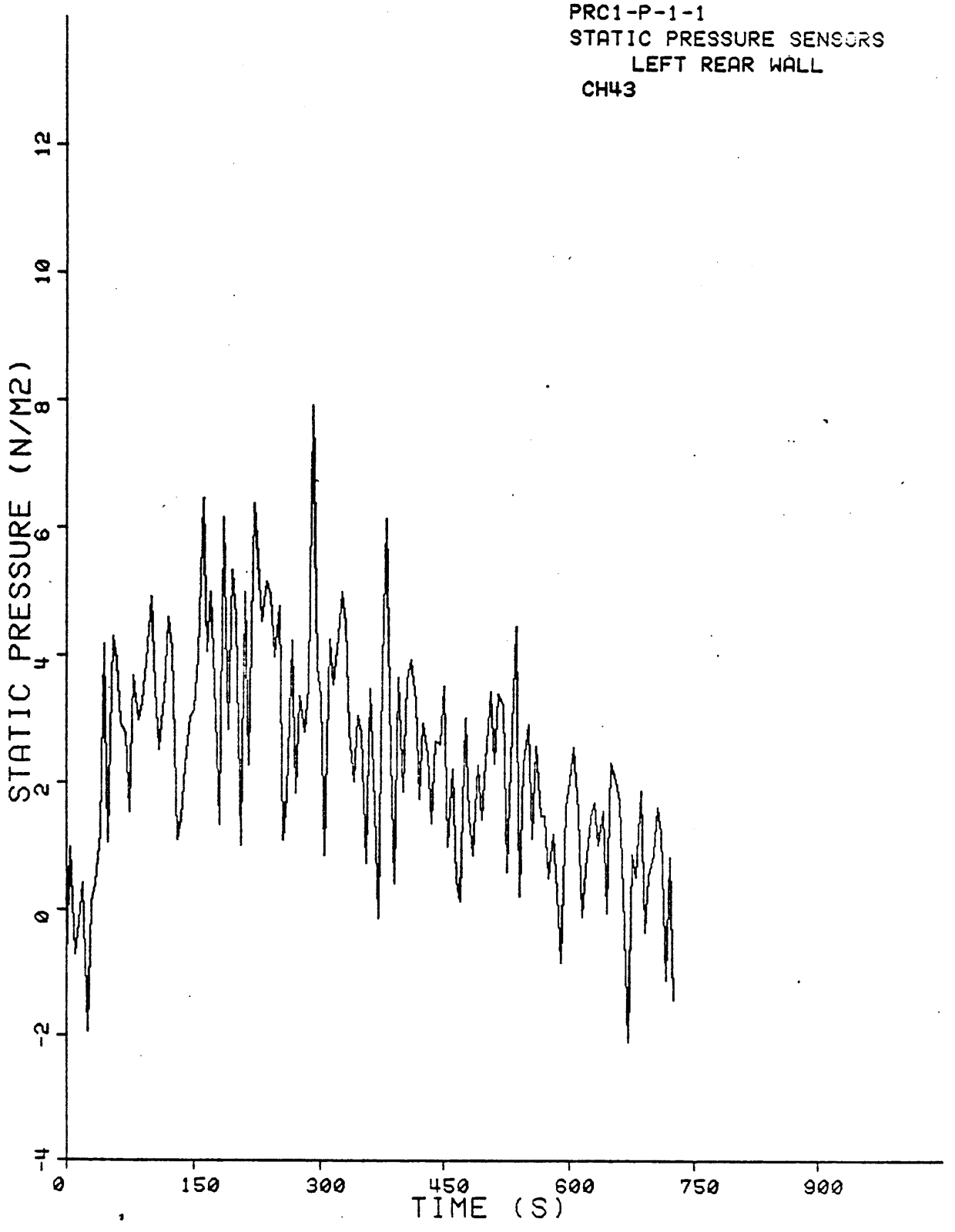

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CH43
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-3

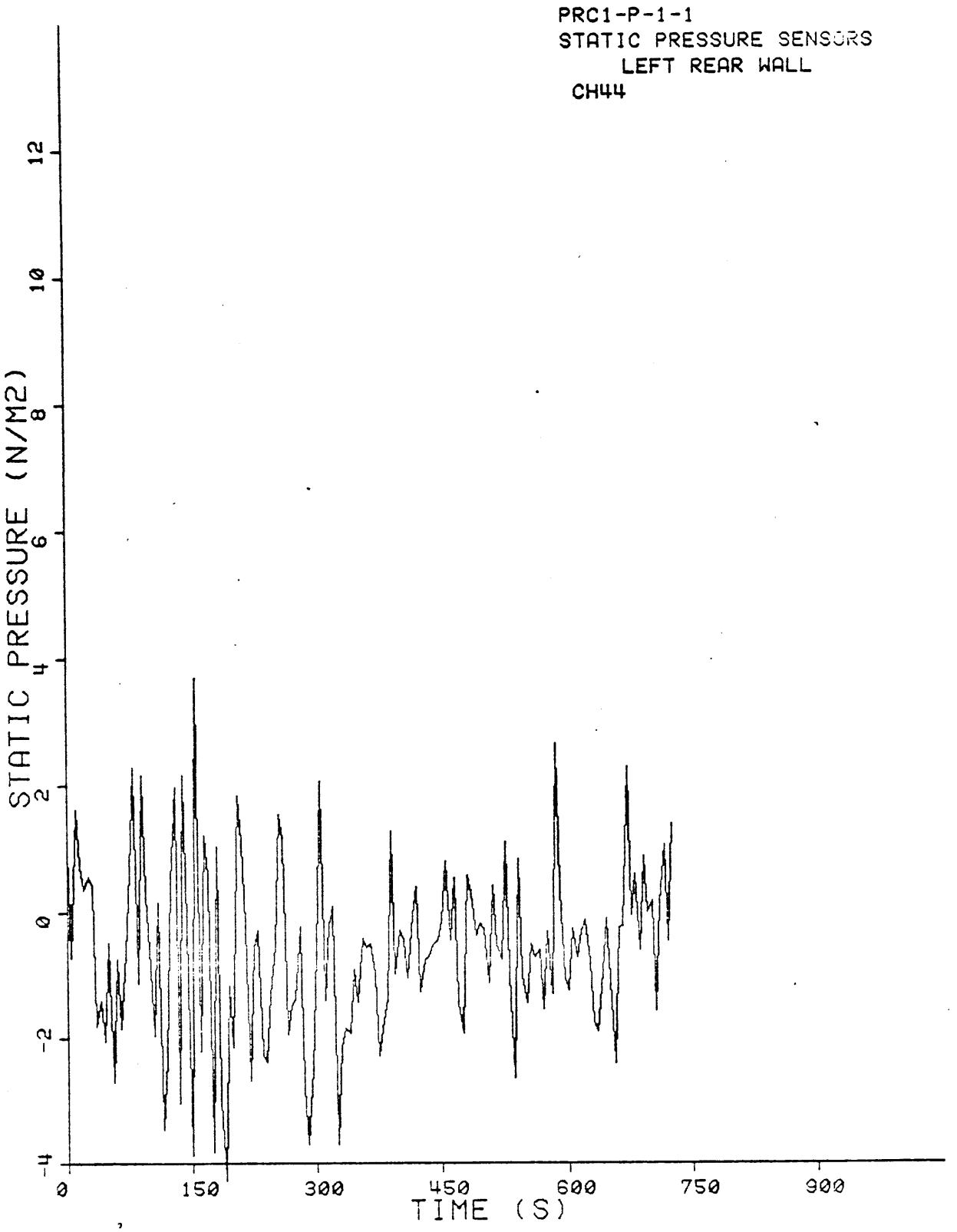

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CH44
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-4

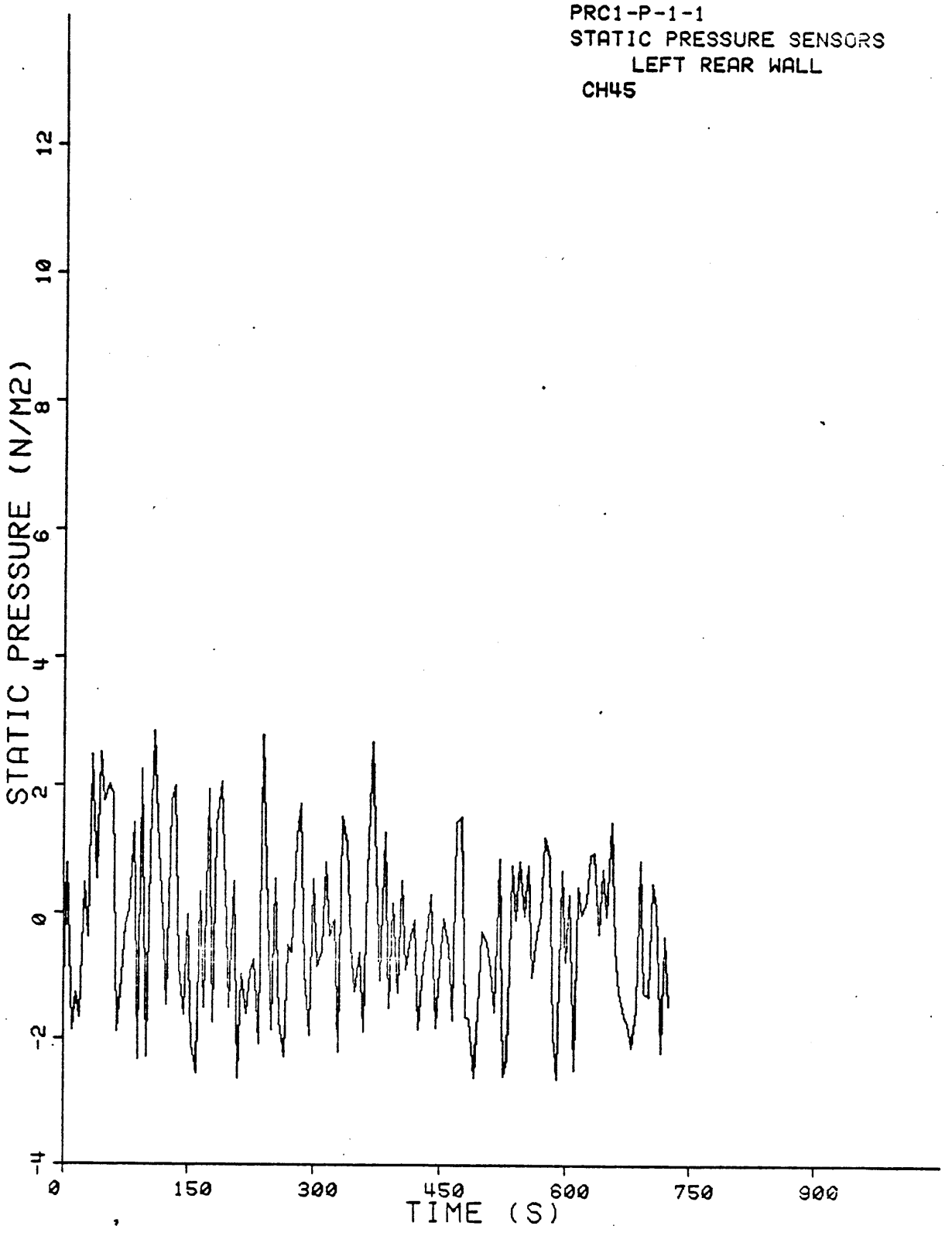

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CH45
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-5

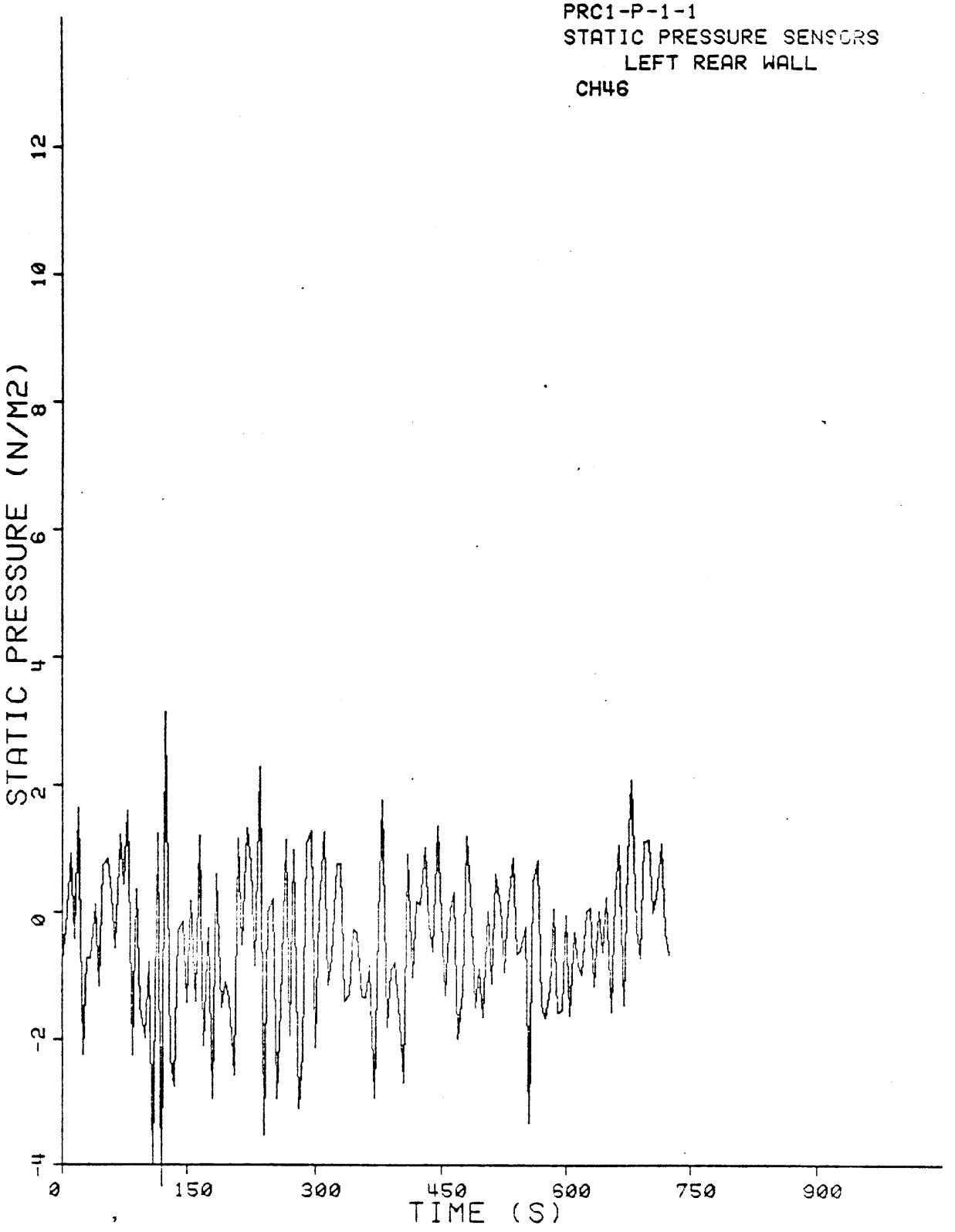

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CH46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-6

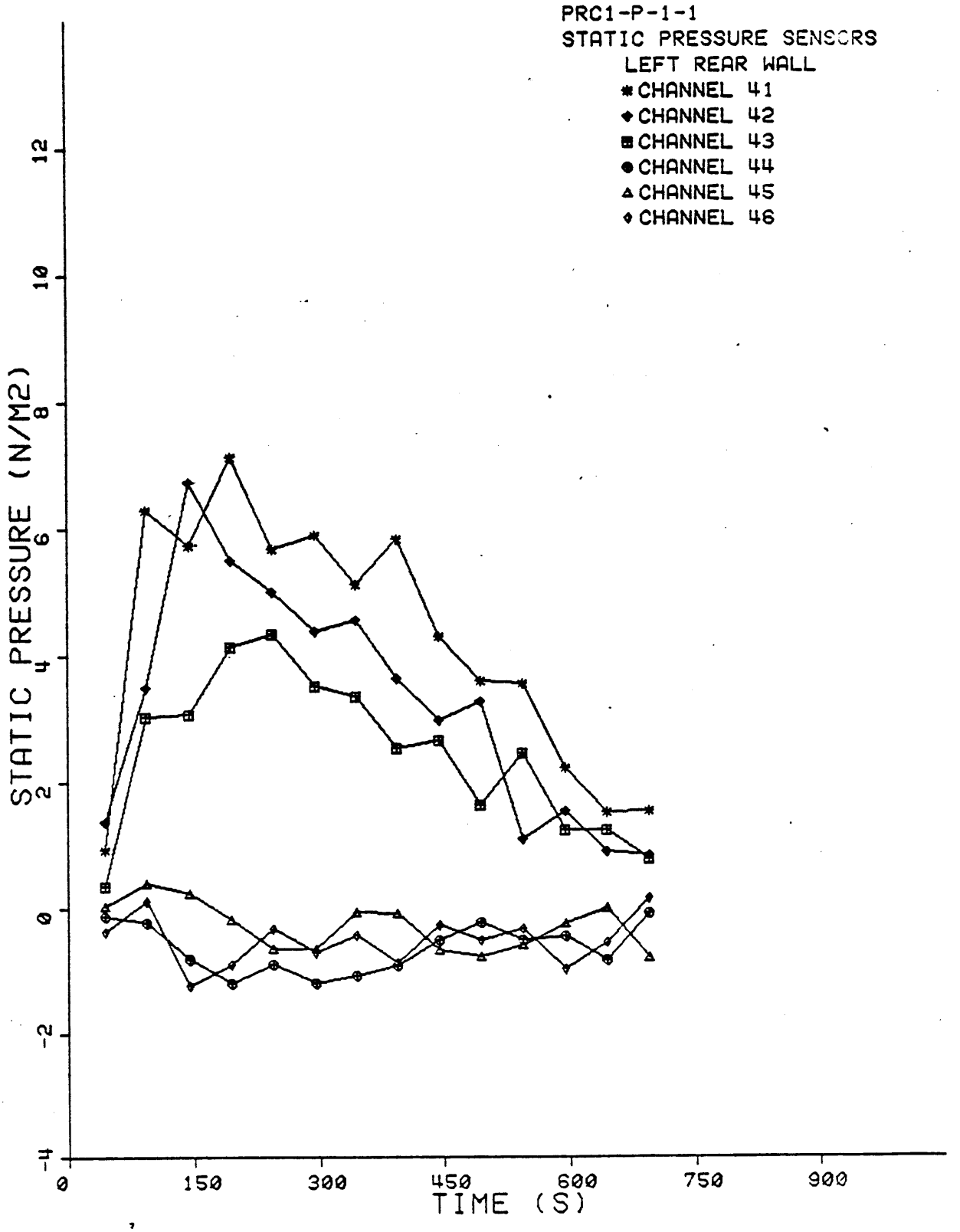

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-7

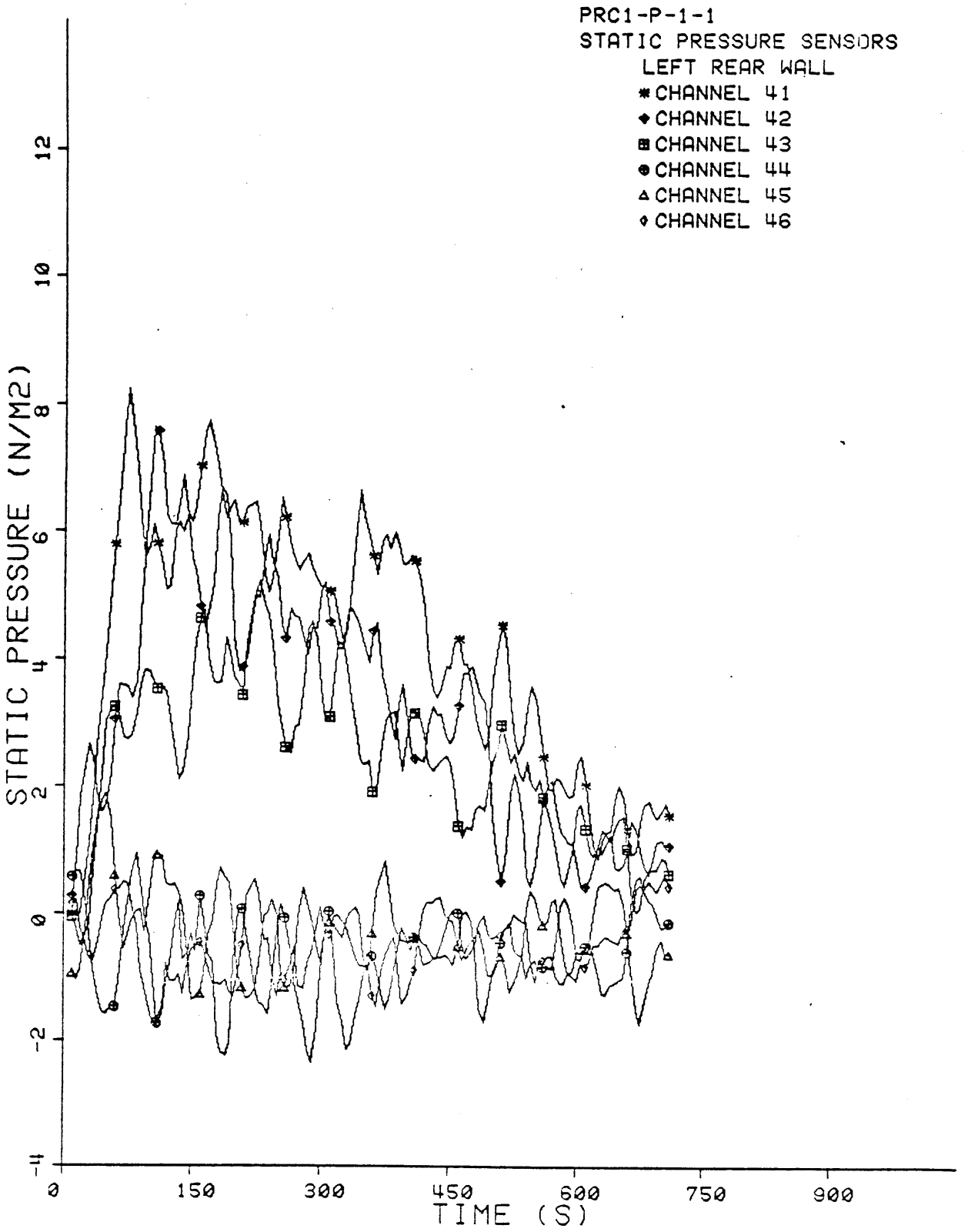

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-8

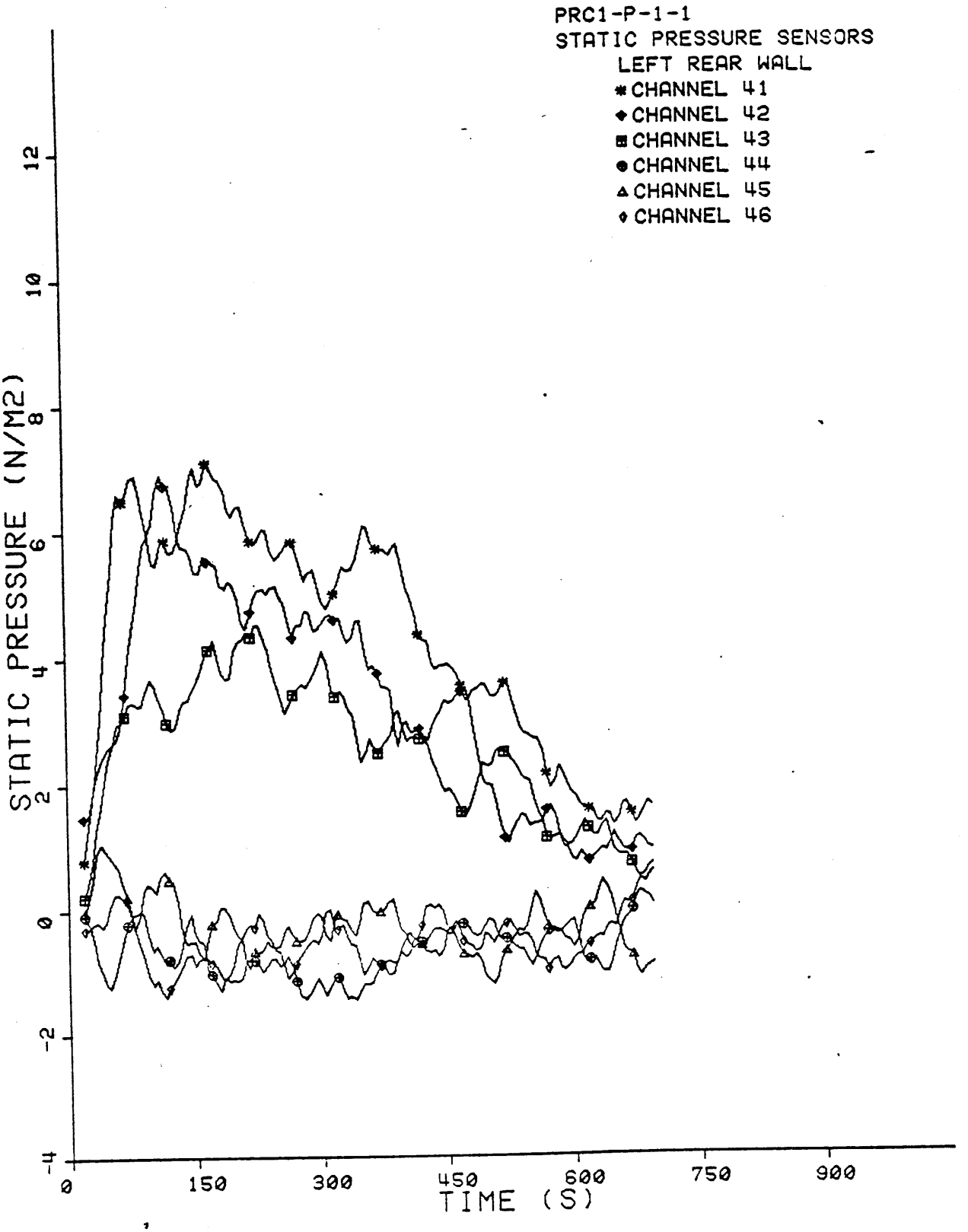

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-9

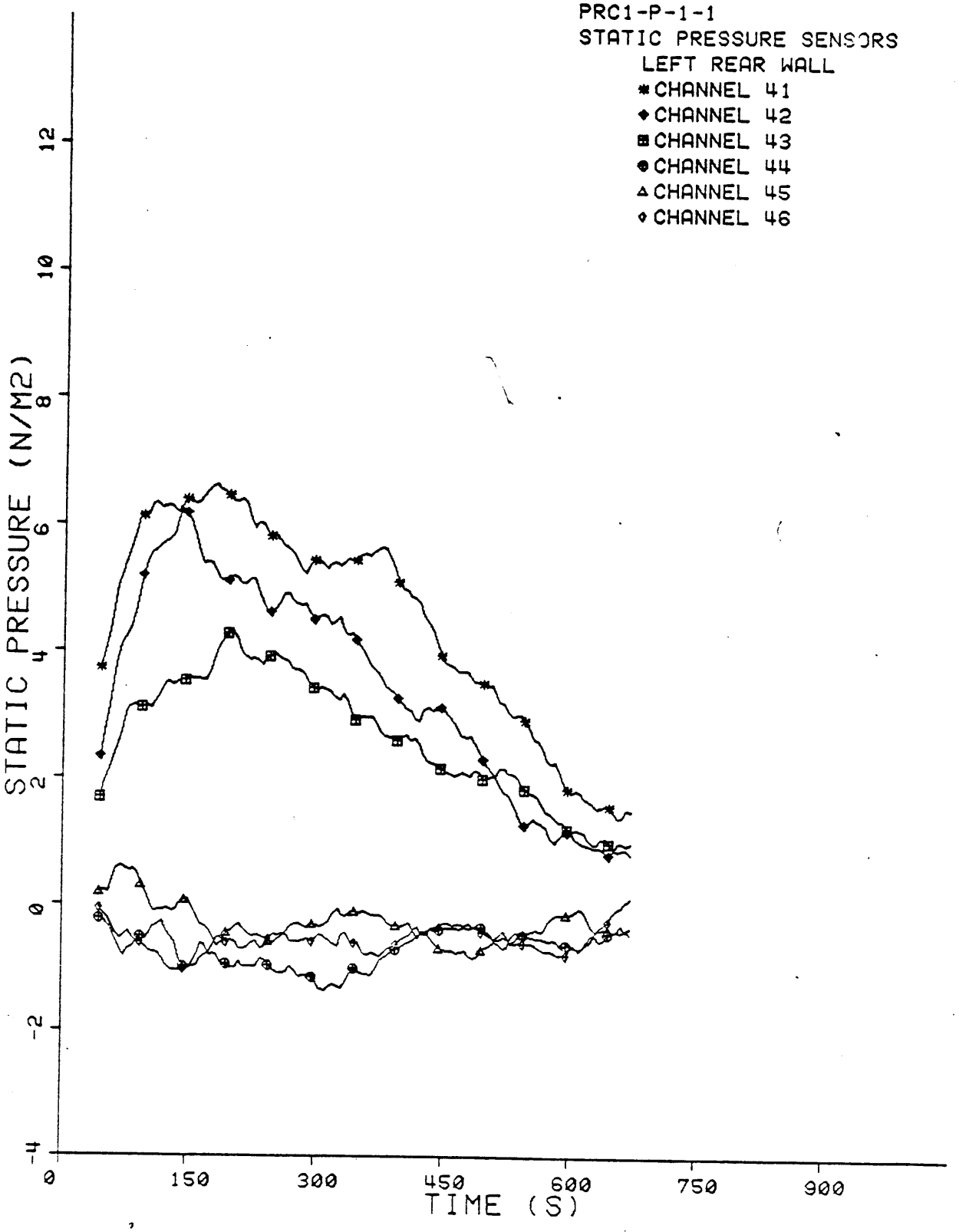

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-10

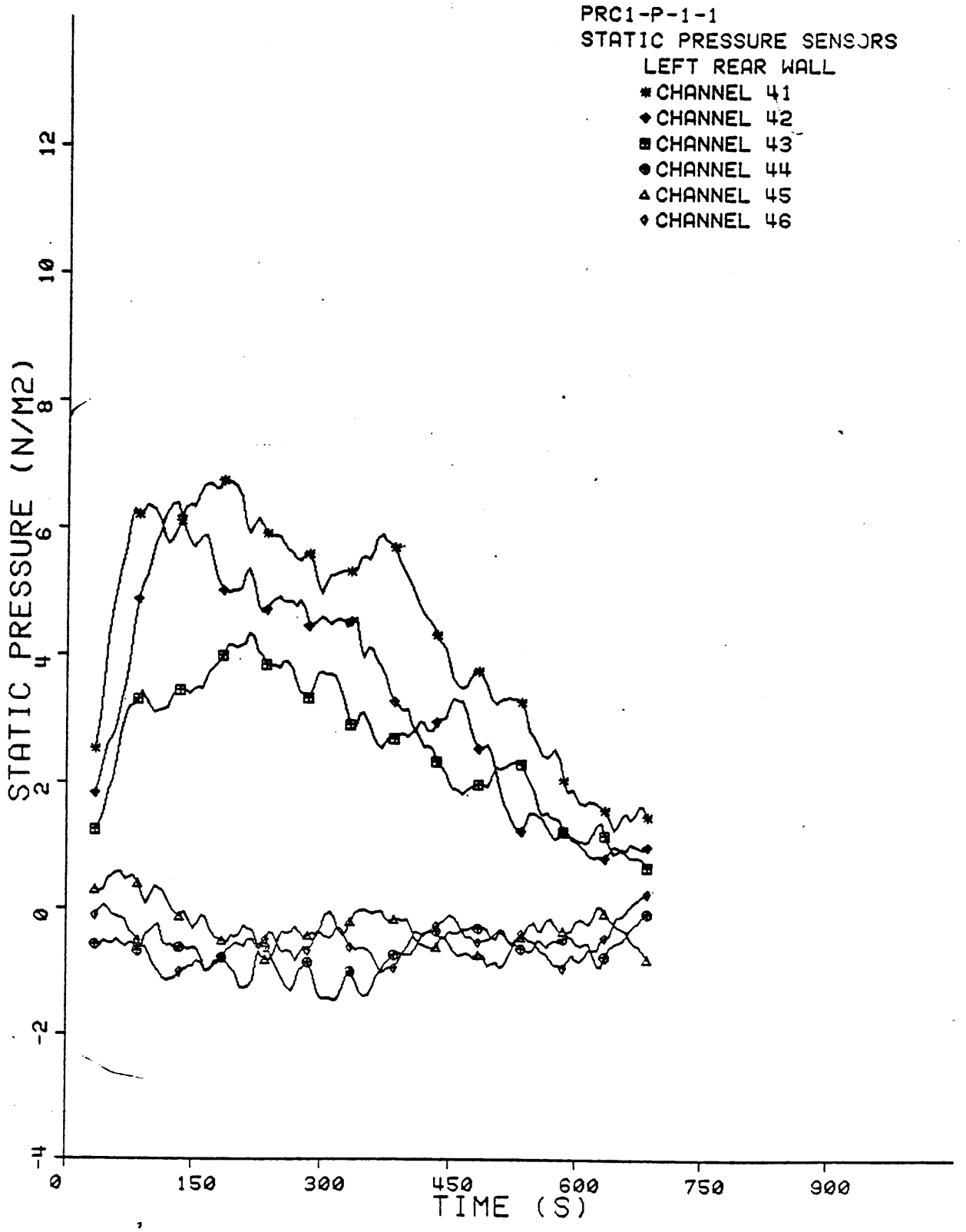

PRC1-P-1-1
STATIC PRESSURE SENSORS
LEFT REAR WALL
CHANNEL 41
CHANNEL 42
CHANNEL 43
CHANNEL 44
CHANNEL 45
CHANNEL 46
STATIC PRESSURE (N/M2)
12
10
8
6
4
2
0
-2
-4
0
150
300
450
600
750
900
TIME (S)

Figure A-11

NBSIR 80-2054
The Burning of Wood and Plastic Cribs in an Enclosure: Volume II Appendices B and C

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Products Research Committee
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APPENDIX B

Transient Data

A complete set of the record data over time is tabulated in this section. It is categorized by test code designation in the order given in table 1. The data are labeled by channel number and time in seconds. The correspondence from channel numbers to sensor designation and the units of the measurements can be obtained from table 3.

PRC3-W-1-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	22.07	21.35	21.17	21.38	20.60	20.72	20.52	22.00	22.00	21.95	21.82	21.80	21.63	21.50
0.	22.00	21.35	21.35	21.42	20.67	20.95	20.47	22.12	22.12	22.05	21.85	21.90	21.63	21.52
0.	21.90	21.30	21.22	21.50	21.00	20.67	20.47	22.10	22.07	22.05	21.92	21.88	21.65	21.55
0.	21.92	21.10	21.05	21.40	20.77	20.87	20.47	22.05	22.07	21.97	21.82	21.85	21.55	21.42
0.	21.97	21.25	21.13	21.45	20.82	21.05	20.50	22.10	22.07	22.00	21.85	21.82	21.52	21.42
0.	22.00	21.30	21.32	21.47	21.00	21.02	20.50	22.07	22.15	22.00	21.90	21.90	21.57	21.50
5.	22.10	21.90	21.65	21.77	21.30	20.92	20.63	22.12	23.92	22.57	22.00	21.97	21.77	21.75
10.	22.07	22.07	22.00	21.88	21.42	21.30	20.90	24.63	24.45	23.20	22.95	22.77	22.05	21.92
15.	23.65	23.05	21.92	21.77	21.55	21.25	21.22	25.77	26.13	24.35	24.60	24.27	24.38	24.10
20.	25.55	24.02	22.10	21.82	21.65	21.27	21.10	26.20	28.25	25.70	25.67	24.88	24.63	24.65
25.	27.70	22.67	22.02	21.75	21.50	21.22	21.17	27.27	29.88	26.50	26.57	26.10	26.25	25.97
30.	28.80	24.92	21.65	21.70	21.45	21.38	21.10	28.67	29.46	29.02	28.15	27.55	27.47	27.30
35.	29.93	29.58	21.47	21.60	21.27	21.10	20.90	29.88	31.63	29.34	29.45	28.97	28.85	28.72
40.	31.49	24.27	21.40	21.57	21.02	21.17	20.97	29.05	31.90	30.07	29.95	29.75	29.45	29.95
45.	31.66	29.25	21.47	21.52	21.20	20.97	20.42	30.27	34.24	31.54	30.66	29.76	29.73	30.19
50.	32.37	29.32	21.77	21.30	21.35	20.82	20.50	31.78	34.17	32.51	31.32	30.90	31.27	30.93
55.	34.05	25.75	22.20	21.32	21.00	21.25	20.47	32.85	35.58	32.85	33.39	32.05	32.51	32.29
60.	36.80	22.80	22.17	21.40	21.17	20.75	20.32	35.10	37.27	34.78	35.71	34.63	35.10	34.17
65.	38.73	27.47	22.38	21.55	21.13	21.10	20.55	37.58	40.41	37.46	37.05	36.49	35.80	36.73
70.	43.76	26.90	22.32	21.75	21.15	20.65	20.42	44.00	43.07	41.12	39.90	39.78	41.12	39.66
75.	47.80	28.95	22.35	21.42	21.13	20.82	20.50	46.95	51.44	45.02	44.88	44.10	44.80	41.12
80.	55.49	38.00	22.55	21.38	21.10	21.20	20.65	56.17	56.15	51.80	49.73	49.71	50.71	46.98
85.	63.31	27.50	22.57	21.55	21.35	20.85	20.65	60.21	65.62	56.95	56.71	56.76	58.49	52.83
90.	65.74	35.93	22.30	21.45	21.47	20.72	20.55	69.56	72.85	62.64	63.00	62.21	61.62	57.93
95.	78.59	32.85	22.47	21.70	21.45	21.10	20.50	75.71	82.02	76.56	72.15	70.83	71.02	63.81
100.	86.90	33.73	22.50	21.72	21.63	20.82	20.50	83.05	90.88	80.17	79.17	77.49	79.39	69.71
105.	93.67	44.37	23.40	21.95	21.40	21.07	20.63	83.45	93.57	84.68	84.64	81.79	81.83	78.24
110.	96.62	58.48	23.25	21.90	21.67	21.22	20.72	94.52	103.58	94.12	93.29	88.76	86.67	88.59
115.	106.73	46.02	22.92	21.88	21.77	20.65	20.55	101.73	111.34	106.90	102.39	94.33	93.29	87.48
120.	117.17	63.38	22.80	22.05	21.55	20.70	20.42	101.22	116.68	109.07	106.17	103.44	100.12	93.71
125.	119.46	84.93	24.17	22.07	21.72	21.40	20.67	108.63	123.58	112.98	110.68	108.56	108.27	105.41
130.	125.61	63.21	22.92	22.22	21.95	21.47	20.82	114.93	128.49	123.24	118.02	115.10	115.85	111.05
135.	139.45	80.74	24.63	22.52	22.27	21.25	20.75	119.17	139.22	128.71	136.82	126.80	121.44	114.15
140.	148.42	84.24	24.50	22.85	21.77	21.22	20.42	120.71	157.20	150.82	143.20	128.68	126.90	126.93
145.	157.00	80.55	24.20	23.02	21.77	21.27	20.87	125.80	163.82	158.20	152.00	142.95	135.10	133.88
150.	158.22	71.29	23.07	22.90	21.95	21.85	20.85	129.58	163.13	160.55	150.42	147.32	145.40	139.60
155.	159.55	107.32	24.75	22.97	22.75	21.88	20.60	129.83	167.70	163.30	159.42	150.97	149.65	144.92
160.	164.67	91.43	25.52	23.15	22.63	21.70	20.70	136.82	170.20	170.70	166.32	156.42	143.88	146.47
165.	169.90	77.39	24.60	23.32	22.57	21.57	20.52	138.02	169.95	165.65	165.25	159.20	148.80	144.40
170.	168.07	112.68	27.72	23.30	22.75	21.88	21.25	145.90	177.88	168.80	167.05	161.52	152.50	139.95
175.	175.63	123.09	28.22	23.27	23.27	22.20	20.67	146.42	178.32	171.35	170.87	167.77	158.07	144.72
180.	170.65	116.02	28.65	23.32	22.80	21.97	20.55	158.45	185.00	172.40	173.27	160.45	164.60	159.17
185.	175.70	103.24	25.13	23.17	22.57	21.77	20.77	153.68	184.07	174.57	173.05	168.72	161.17	150.85
190.	165.85	126.88	25.90	23.52	22.70	22.20	20.80	148.47	177.27	167.13	167.63	164.65	158.00	153.15
195.	166.82	101.58	26.05	23.25	22.22	21.82	20.92	144.07	174.35	166.13	164.90	164.55	160.32	150.95
200.	172.82	70.24	26.40	22.80	22.82	21.65	21.05	151.10	177.22	169.30	168.42	158.67	156.20	153.60
205.	165.57	84.33	29.22	22.85	22.47	21.70	21.02	146.42	169.95	164.88	161.87	157.67	156.57	144.07
210.	161.00	91.64	25.88	22.82	22.32	21.60	21.07	149.22	175.25	169.15	168.57	154.65	150.62	143.42
215.	169.07	76.15	29.22	23.00	22.47	21.82	21.25	151.15	171.27	167.47	164.10	157.95	153.57	144.30
220.	162.12	75.76	27.70	23.02	22.77	21.97	21.20	157.72	172.07	165.20	161.10	157.32	150.32	150.57

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	161.72	66.50	28.32	23.02	22.70	21.72	21.20	147.82	169.22	161.42	161.50	159.97	162.70	160.30
230.	167.00	51.66	30.32	23.02	22.92	21.88	20.87	147.42	170.92	159.38	156.75	154.45	159.90	152.05
235.	164.70	77.17	29.51	23.30	22.80	21.88	20.82	145.70	168.77	158.70	158.50	156.27	156.25	146.63
240.	160.90	60.29	29.90	23.40	22.32	21.80	20.87	144.85	162.85	156.25	157.47	154.88	151.30	140.95
245.	157.97	57.34	29.95	23.45	22.65	21.57	20.52	144.32	173.10	153.95	151.72	149.85	146.65	138.47
250.	155.40	65.31	26.50	23.42	22.40	22.12	20.75	144.30	159.07	153.97	150.25	148.97	147.22	135.50
255.	154.92	65.36	28.32	23.47	22.15	21.50	21.05	134.30	155.92	153.15	149.12	145.32	141.90	133.57
260.	152.75	83.74	28.07	23.32	22.40	21.55	20.72	137.90	156.32	152.97	146.82	143.17	137.97	127.80
265.	152.90	80.81	26.63	23.35	22.47	21.47	20.80	136.42	158.15	150.47	148.55	141.72	138.45	128.78
270.	147.55	90.40	28.72	23.22	22.47	21.57	20.70	137.77	159.10	148.47	145.15	143.35	145.52	146.40
275.	157.85	74.27	29.75	23.45	22.15	21.55	21.00	141.27	158.35	151.57	150.27	148.57	148.92	141.30
280.	154.72	57.58	27.10	23.30	23.22	22.05	21.17	139.88	155.32	148.35	152.88	149.27	146.92	143.22
285.	154.17	53.54	24.00	23.17	22.57	22.25	21.25	136.07	160.22	151.97	151.65	146.02	143.50	139.85
290.	155.45	62.76	24.67	23.17	22.88	21.95	20.57	136.10	159.60	152.07	148.37	144.95	141.05	134.32
295.	151.92	62.43	27.12	23.63	22.35	22.82	21.15	141.92	156.52	150.12	150.85	145.57	147.92	133.95
300.	152.52	42.00	27.45	23.67	22.63	21.90	20.57	141.63	154.02	149.05	147.52	141.08	143.65	135.55
305.	150.10	62.14	27.30	23.60	22.50	21.70	20.72	129.71	156.80	150.37	147.17	142.57	141.02	128.51
310.	145.90	78.62	26.90	23.15	21.88	21.65	20.87	135.95	152.60	147.92	147.35	141.22	136.17	129.24
315.	143.80	51.85	27.52	23.27	22.63	21.52	21.00	136.40	150.20	146.97	145.27	141.25	136.97	125.98
320.	146.10	64.55	31.29	23.37	22.10	21.22	21.20	133.37	150.92	142.67	142.75	139.50	136.60	128.10
325.	143.02	71.66	31.37	23.15	22.82	21.15	20.75	128.34	150.22	141.02	140.32	139.15	142.25	139.77
330.	144.40	85.81	32.12	23.20	22.65	21.15	21.13	129.00	144.88	140.07	138.20	135.05	135.05	134.02
335.	143.77	109.05	25.40	23.37	22.72	21.07	20.95	125.93	149.25	142.12	141.25	138.50	136.17	127.27
340.	147.42	91.17	26.67	23.27	22.30	21.42	20.95	141.32	151.80	144.60	143.00	135.77	134.13	135.88
345.	151.80	81.31	31.29	23.32	22.45	21.38	20.90	139.75	155.85	147.72	147.38	146.10	147.30	126.61
350.	149.20	62.88	28.40	23.27	23.02	21.55	20.85	141.02	153.35	148.42	146.00	143.72	143.72	134.40
355.	151.57	64.52	23.75	23.35	22.85	21.67	20.75	140.47	153.42	147.10	142.60	142.07	143.00	142.10
360.	149.55	56.66	30.29	23.37	22.90	21.72	20.55	137.45	147.80	141.13	143.30	140.17	140.77	122.29
365.	144.77	58.44	25.42	23.37	23.52	21.27	20.57	129.34	149.00	143.92	145.05	143.82	142.32	127.44
370.	142.65	64.50	26.38	23.35	22.65	21.50	20.57	126.49	151.50	143.27	138.38	135.52	134.70	120.73
375.	141.57	60.05	25.07	23.55	23.25	21.67	21.22	136.70	149.17	140.15	137.10	134.35	128.56	125.49
380.	143.90	54.68	25.05	23.63	22.52	21.57	20.67	134.27	147.50	139.72	139.77	136.22	129.68	122.90
385.	142.12	60.74	27.32	23.40	22.82	22.17	20.85	139.22	143.38	139.72	138.80	136.00	129.37	117.46
390.	142.52	61.79	26.60	23.00	22.97	21.80	20.92	133.67	144.67	138.90	135.30	133.37	134.45	119.10
395.	144.15	59.05	30.22	22.80	22.82	21.77	21.07	135.25	145.22	138.70	138.60	136.63	134.77	122.37
400.	145.70	67.14	29.61	22.65	22.97	22.42	20.95	128.27	147.90	144.67	142.75	137.15	133.62	120.98
405.	143.50	93.76	37.44	22.77	23.07	22.10	21.22	124.71	148.57	144.38	142.52	140.25	136.65	121.41
410.	139.88	82.57	30.49	22.90	22.70	21.85	21.10	127.22	149.75	144.07	139.82	133.27	128.19	124.56
415.	140.75	63.55	31.66	23.00	22.60	22.10	20.90	135.02	147.25	144.30	138.52	134.32	127.39	123.76
420.	141.85	62.76	27.63	23.35	22.50	21.85	21.10	136.13	147.47	140.70	136.35	135.45	134.00	127.54
425.	147.90	66.50	29.45	23.65	22.35	21.60	20.82	138.57	146.27	141.25	138.85	139.95	139.07	135.63
430.	142.85	91.62	29.15	23.60	22.15	21.80	20.90	133.52	148.77	143.02	141.50	138.50	135.75	134.45
435.	148.97	54.56	30.19	23.47	22.75	21.72	20.97	142.00	151.60	143.95	140.90	139.07	141.88	134.88
440.	148.42	90.88	26.85	23.35	22.15	21.45	20.80	136.15	146.42	141.95	141.67	140.10	137.57	128.63
445.	142.10	67.55	29.07	23.17	22.92	21.38	20.75	136.20	147.82	141.52	140.75	137.77	127.83	124.95
450.	140.72	62.57	27.22	23.17	23.85	21.77	20.60	133.47	150.92	140.77	139.70	138.17	126.82	121.93
455.	138.05	79.57	28.35	23.27	23.42	21.25	21.00	125.46	148.12	143.05	140.63	136.82	124.32	118.54
460.	150.32	105.85	26.82	23.22	23.05	21.88	20.72	134.42	145.80	143.02	138.75	137.60	136.05	130.00
465.	144.95	67.43	26.10	23.32	22.45	22.07	21.10	136.88	147.82	140.35	137.45	139.55	142.92	140.07
470.	143.97	75.15	25.42	23.35	23.32	22.25	21.65	135.92	152.10	142.92	143.35	140.70	140.88	140.38

PRC3-W-1-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	147.30	88.55	26.52	23.55	23.57	22.45	21.82	129.83	151.95	147.55	145.22	139.07	138.82	136.02
480.	147.57	87.88	27.52	23.87	23.20	21.90	21.02	143.52	148.82	144.20	144.82	143.80	141.47	139.30
485.	150.10	78.52	24.52	23.97	22.92	22.12	20.62	139.20	150.25	142.17	143.05	141.70	143.32	138.02
490.	147.90	89.55	26.40	23.80	23.02	24.22	21.42	133.42	147.88	144.42	140.30	139.27	141.13	134.05
495.	146.90	90.64	27.52	23.77	22.12	21.57	21.45	134.50	149.65	144.82	138.20	136.50	139.10	137.22
500.	140.25	74.19	32.76	23.75	21.75	22.05	21.52	145.72	149.97	143.65	142.27	141.30	141.17	134.52
505.	148.00	88.09	26.02	23.50	21.72	21.92	21.22	138.27	148.80	143.05	139.17	137.95	141.30	141.65
510.	147.57	79.21	26.65	23.70	22.88	21.42	21.10	143.27	148.82	142.72	142.52	142.40	144.65	144.35
515.	148.30	82.55	25.30	23.67	24.05	22.42	21.30	140.95	151.45	143.95	141.80	140.00	136.57	127.34
520.	146.07	92.90	24.57	23.40	23.72	22.88	21.47	137.05	150.57	143.77	143.90	140.35	138.15	128.98
525.	148.55	79.02	24.50	23.60	23.63	23.82	21.25	136.67	152.00	143.67	141.22	138.92	139.92	136.57
530.	142.67	109.24	24.47	23.77	23.82	23.47	21.30	137.65	152.17	145.20	143.12	137.60	138.00	126.19
535.	147.63	91.79	26.60	23.67	23.52	22.17	21.55	134.22	146.22	142.63	141.20	138.15	136.57	125.78
540.	146.38	93.21	29.30	23.52	23.13	22.35	21.07	133.37	147.27	144.12	140.17	136.05	135.70	127.90
545.	146.07	110.00	27.90	23.50	22.07	22.17	21.15	133.32	148.30	142.85	139.27	138.38	138.72	133.55
550.	143.30	101.37	35.15	23.42	23.00	21.92	21.25	134.85	148.25	142.15	137.25	135.25	139.63	138.22
555.	139.42	77.64	36.22	23.65	22.32	22.30	21.05	134.55	155.25	144.90	141.40	140.27	143.75	143.12
560.	141.10	83.29	31.95	23.55	23.65	22.07	21.22	133.92	146.82	142.35	141.57	138.63	136.35	124.19
565.	145.40	84.69	30.05	23.75	22.05	22.55	21.27	127.85	151.15	147.50	144.07	137.63	138.22	128.61
570.	144.80	89.09	29.88	23.70	23.55	22.27	21.47	124.85	148.42	147.07	142.52	137.57	134.00	128.49
575.	138.72	112.24	28.47	23.63	22.75	22.12	21.30	126.19	144.22	141.52	138.85	137.65	134.37	125.29
580.	145.47	89.21	32.51	23.42	22.20	22.65	21.10	128.12	150.77	144.85	140.38	138.10	134.60	126.68
585.	143.75	107.56	34.61	23.67	22.17	22.10	21.38	137.42	146.90	142.75	140.32	139.42	137.97	139.13
590.	143.15	88.21	33.39	23.57	22.52	21.85	20.92	138.13	143.88	140.05	141.10	138.35	137.90	140.90
595.	144.52	93.50	31.15	23.45	22.55	21.80	20.65	133.32	147.22	139.65	138.65	136.32	137.35	125.02
600.	144.47	89.57	32.71	23.65	22.90	21.88	21.17	137.27	142.75	137.85	136.05	134.37	134.77	128.83
605.	140.20	106.95	31.15	23.65	22.35	22.47	21.17	134.45	146.77	135.32	133.82	129.27	135.45	126.82
610.	144.02	78.90	27.32	23.82	22.35	21.63	21.22	127.10	140.55	136.05	136.45	135.50	138.47	139.92
615.	140.22	84.29	29.65	23.65	23.37	22.65	21.35	124.85	141.77	137.80	136.63	136.85	135.15	135.65
620.	139.72	81.38	29.00	23.63	23.95	21.32	21.30	128.00	140.13	136.88	136.50	126.90	122.61	120.66
625.	136.32	79.51	34.05	23.60	24.52	22.27	21.42	129.90	141.30	135.35	128.83	124.05	122.10	118.98
630.	141.95	91.09	37.27	23.70	24.52	22.52	20.92	128.56	140.38	136.05	133.77	127.32	125.10	123.15
635.	136.50	87.33	28.47	23.87	23.80	22.25	20.82	133.67	142.92	136.25	136.70	135.72	136.00	134.22
640.	140.02	78.26	28.02	23.95	23.27	22.17	20.85	126.85	140.00	134.47	134.13	133.70	133.57	125.22
645.	139.72	64.31	32.41	23.87	23.15	22.65	21.10	128.12	144.05	135.70	134.40	129.76	133.70	128.00
650.	129.07	82.12	25.47	23.57	22.07	21.35	20.87	127.37	139.35	134.32	135.50	120.12	125.24	120.22
655.	134.13	70.66	28.00	23.42	22.38	21.85	20.82	127.73	136.13	128.78	128.78	127.90	124.56	117.93
660.	129.71	69.56	28.02	23.27	22.12	21.85	20.77	121.58	127.49	124.88	126.17	124.19	123.29	117.61
665.	125.32	69.88	25.82	23.45	24.97	22.07	20.90	119.41	128.73	125.78	121.95	121.19	121.58	116.73
670.	124.44	93.81	24.52	23.45	23.30	21.80	21.07	120.44	124.73	120.22	120.95	121.78	121.44	115.37
675.	121.41	82.93	25.50	23.77	22.72	21.82	21.38	117.19	122.93	120.05	119.68	116.90	119.19	118.68
680.	122.71	83.36	25.63	24.02	22.70	23.00	21.42	117.37	123.98	121.17	118.32	117.12	115.02	111.76
685.	120.93	71.58	27.82	23.90	23.92	23.15	21.22	115.41	123.56	120.24	118.00	118.27	119.44	117.76
690.	118.71	78.80	26.90	24.10	23.80	22.70	21.15	116.00	121.61	118.71	118.19	118.00	119.32	113.39
695.	117.61	69.63	30.68	24.32	23.97	22.38	20.85	115.49	120.37	117.17	117.37	117.95	119.44	114.95
700.	116.39	70.49	25.60	23.82	23.47	22.27	20.82	113.68	122.61	119.05	116.66	114.98	113.63	107.63
705.	119.93	88.19	29.49	23.80	22.60	24.52	20.70	113.37	121.00	119.83	118.56	117.93	117.17	111.80
710.	116.12	70.78	29.32	23.50	23.80	22.95	20.77	115.10	122.00	117.12	114.39	115.29	117.61	115.58
715.	112.85	69.66	27.57	23.77	22.02	23.75	21.42	112.90	116.58	113.39	113.71	116.80	117.07	109.54
720.	115.49	89.29	28.25	23.45	23.52	22.95	21.20	112.22	115.39	113.58	114.71	114.85	114.90	110.41

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	114.27	82.74	35.29	23.27	24.40	24.63	21.82	108.41	115.95	112.66	112.83	113.68	111.98	105.68
730.	109.44	79.46	27.38	22.95	23.40	22.92	21.30	105.46	113.46	110.27	108.05	107.76	109.12	105.02
735.	111.24	82.43	27.32	23.30	22.77	22.55	20.97	105.46	111.24	108.88	107.12	106.85	104.78	100.58
740.	110.05	77.39	28.80	23.52	22.95	22.42	21.10	106.27	110.29	107.95	107.83	106.51	103.49	96.95
745.	108.41	61.21	38.17	23.27	22.63	22.38	21.02	105.76	111.05	108.37	106.61	105.63	105.17	101.10
750.	104.93	74.39	28.57	23.80	23.47	22.42	20.97	104.34	109.63	107.00	106.54	105.19	103.85	102.17
755.	106.71	78.63	34.88	24.22	23.65	22.22	21.10	104.83	106.17	103.83	102.80	104.24	105.37	106.80
760.	105.76	65.43	27.65	23.80	22.15	21.60	21.27	104.56	108.49	103.34	103.41	104.44	106.02	103.93
765.	97.12	62.00	26.02	23.45	22.22	21.97	21.40	102.27	105.22	102.83	103.32	104.41	104.93	100.80
770.	103.12	77.22	28.13	23.37	22.75	22.10	21.57	100.39	105.15	104.07	103.15	102.93	102.61	100.39
775.	103.80	76.41	27.30	23.63	23.42	22.12	21.32	100.49	107.19	102.24	101.32	101.68	94.93	93.43
780.	97.12	75.39	35.49	24.15	22.47	21.67	21.38	100.44	105.46	103.76	96.88	97.36	97.00	95.05
785.	103.49	62.64	26.85	23.57	23.57	21.97	21.52	97.02	102.56	97.21	96.00	96.02	95.71	91.50
790.	100.73	74.95	29.39	23.30	22.25	21.97	21.52	96.95	101.15	95.45	96.40	96.64	96.52	93.19
795.	93.52	69.54	25.57	23.60	22.12	21.65	21.07	95.24	96.33	95.52	96.02	96.88	96.55	95.88
800.	87.95	60.36	28.57	23.45	22.25	21.82	21.10	95.76	96.90	94.50	94.79	96.57	96.38	94.12
805.	91.74	59.33	25.32	23.37	22.20	21.82	20.97	95.12	96.09	95.81	96.24	96.43	95.67	85.95
810.	96.67	66.93	30.27	23.30	22.00	21.77	21.07	94.24	95.33	94.90	95.43	95.88	94.93	89.62
815.	96.40	51.32	27.85	23.32	22.72	22.63	21.50	94.90	96.67	95.69	94.09	94.81	92.86	85.38
820.	93.19	65.83	26.92	23.30	24.47	22.25	21.00	92.88	95.24	93.69	93.00	93.43	93.02	81.38
825.	92.12	64.62	27.30	23.27	23.97	22.97	20.95	91.29	93.43	91.95	92.62	93.95	92.83	82.00
830.	92.67	57.15	28.00	23.13	23.25	22.30	20.87	91.17	93.93	91.93	91.14	93.36	91.95	87.52
835.	91.79	64.69	29.25	23.37	22.82	22.07	21.25	90.21	93.24	91.59	90.45	91.79	89.69	84.24
840.	90.17	58.02	29.47	23.25	22.60	22.85	21.02	88.48	90.86	89.67	88.59	88.19	86.48	82.93
845.	88.95	53.39	25.90	23.02	23.27	21.85	20.95	87.09	88.55	88.38	87.43	87.24	86.21	82.38
850.	88.17	54.93	27.52	22.95	21.85	21.72	20.95	87.29	86.81	85.93	87.48	88.52	87.52	78.52
855.	84.29	51.58	27.22	22.85	21.70	21.30	21.02	85.98	88.05	86.50	85.88	86.64	86.83	83.90
860.	83.88	60.71	30.54	22.92	21.85	21.25	21.10	85.79	86.62	84.45	83.90	84.36	83.57	78.85
865.	84.14	49.10	29.88	24.35	21.65	21.82	20.87	84.09	84.59	84.19	84.07	84.43	84.02	78.98
870.	83.21	57.44	25.35	23.75	21.72	21.77	21.02	83.38	85.05	84.26	83.67	83.86	83.31	77.74
875.	82.45	48.93	24.88	23.52	22.02	21.85	21.07	83.36	83.98	83.02	82.19	82.79	80.33	76.76
880.	78.12	50.22	26.30	23.10	22.15	22.27	20.77	81.76	83.21	83.05	82.90	82.24	79.43	76.49
885.	80.86	48.58	34.49	23.17	22.67	21.63	21.30	80.86	82.02	82.14	80.98	80.79	78.14	74.98
890.	78.81	52.78	29.72	23.13	22.32	21.95	21.20	80.12	81.50	81.86	80.67	80.49	79.05	76.34
895.	77.79	61.48	23.60	23.30	22.75	22.02	21.27	79.67	81.24	80.98	78.40	78.55	79.09	75.80
900.	76.19	48.93	27.15	23.42	23.13	22.35	21.17	79.09	80.09	79.79	78.33	77.71	76.29	74.88
905.	71.39	56.68	34.83	22.80	23.55	21.65	21.05	78.50	77.79	78.24	77.81	79.17	73.00	70.61
910.	73.00	55.88	25.97	23.47	22.77	22.15	21.20	77.83	77.58	79.12	77.83	76.90	72.88	71.46
915.	73.93	63.69	36.88	23.75	23.17	21.70	21.30	78.93	76.29	77.63	75.63	74.58	73.29	73.56
920.	72.54	51.37	36.73	23.37	22.72	21.32	21.20	78.76	76.41	77.44	75.49	74.12	72.05	71.41
925.	72.90	63.69	28.30	23.15	23.13	21.57	21.32	77.68	74.15	73.73	74.07	74.98	72.71	73.15
930.	70.66	54.54	39.85	23.17	22.77	21.55	21.00	77.07	74.22	75.12	73.61	74.19	71.54	70.85

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	21.22	21.22	21.27	21.00	20.92	20.90	20.77	20.90	20.85	21.35	22.02	0.00	0.00	0.00
0.	21.35	21.22	21.27	21.10	20.97	20.97	20.82	20.95	20.82	21.35	22.05	0.00	0.00	0.00
0.	21.30	21.30	21.25	21.07	21.00	20.90	20.95	20.92	20.85	21.38	22.02	0.00	0.00	0.00
0.	21.30	21.27	21.27	21.13	21.00	16.00	20.82	20.95	20.95	21.27	22.00	0.00	0.00	0.00
0.	21.27	21.25	21.22	21.10	21.02	21.00	20.82	20.90	20.90	21.38	22.02	0.00	0.00	0.00
0.	21.32	21.27	21.27	21.10	21.05	21.02	20.87	20.87	20.87	21.38	21.97	0.00	0.00	0.00
5.	21.65	21.50	21.45	21.32	21.22	21.20	21.00	21.13	21.02	21.42	21.97	0.00	0.00	0.00
10.	21.92	21.65	21.72	21.42	21.32	21.40	21.13	21.20	21.07	21.50	22.45	0.00	0.00	0.00
15.	23.42	21.97	22.07	21.65	21.52	21.60	21.27	21.32	21.17	21.70	22.85	0.00	0.00	0.00
20.	23.85	22.60	22.38	21.92	21.72	21.70	21.32	21.35	21.17	21.75	22.90	0.00	0.00	0.00
25.	24.38	22.90	22.67	22.02	21.82	21.82	21.50	21.47	21.17	21.90	22.97	0.00	0.00	0.00
30.	25.63	23.00	22.63	22.05	21.92	21.92	21.57	21.47	21.15	22.05	23.37	0.00	0.00	0.00
35.	27.82	23.13	22.45	22.05	21.85	22.05	21.65	21.55	21.17	22.22	23.57	0.00	0.00	0.00
40.	28.52	23.65	22.57	22.05	21.90	22.05	21.63	21.63	21.20	22.22	23.82	0.00	0.00	0.00
45.	29.80	24.47	22.77	22.10	21.90	22.07	21.70	21.70	21.27	22.38	24.13	0.00	0.00	0.00
50.	28.90	23.82	22.65	22.22	22.00	22.05	21.75	21.77	21.39	22.40	24.60	0.00	0.00	0.00
55.	28.80	24.38	22.55	22.17	22.02	22.10	21.80	21.80	21.40	22.60	25.05	0.00	0.00	0.00
60.	29.10	23.72	22.65	22.27	21.95	22.12	21.82	21.68	21.27	22.75	25.80	0.00	0.00	0.00
65.	28.90	24.30	23.20	22.40	22.07	22.30	21.88	22.00	21.45	22.95	26.60	0.00	0.00	0.00
70.	31.10	26.22	23.95	22.85	22.17	22.77	22.07	22.10	21.52	23.50	28.37	0.00	0.00	0.00
75.	33.22	26.55	24.80	23.30	22.60	23.07	22.32	22.47	21.63	24.30	29.37	0.00	0.00	0.00
80.	36.73	27.20	25.85	23.82	23.07	23.35	22.72	22.90	21.75	25.35	30.73	0.00	0.00	0.00
85.	36.34	27.67	26.97	24.75	23.63	23.72	23.05	23.30	21.95	26.55	33.17	0.00	0.00	0.00
90.	47.12	28.92	28.20	25.27	24.52	25.17	23.35	23.97	22.45	28.05	34.73	0.00	0.00	0.00
95.	50.10	29.73	28.90	25.97	24.63	26.00	24.00	23.82	22.75	29.29	38.00	0.00	0.00	0.00
100.	53.85	30.80	29.55	26.67	25.05	26.40	24.27	24.67	22.90	30.90	40.19	0.00	0.00	0.00
105.	60.83	31.68	30.00	27.05	25.17	26.77	24.97	25.42	22.97	31.68	43.98	0.00	0.00	0.00
110.	62.71	32.80	31.51	28.05	25.67	26.42	24.77	26.13	23.32	32.61	47.32	0.00	0.00	0.00
115.	71.49	34.61	31.83	28.30	25.82	27.27	24.82	25.97	23.92	34.51	49.39	0.00	0.00	0.00
120.	80.81	35.80	33.15	29.07	26.60	29.22	25.70	26.70	24.57	37.00	51.98	0.00	0.00	0.00
125.	90.48	38.12	34.22	29.37	27.20	29.00	26.20	26.80	24.38	37.41	54.19	0.00	0.00	0.00
130.	88.24	39.80	37.61	30.34	27.67	29.10	26.72	28.40	25.17	39.73	56.83	0.00	0.00	0.00
135.	108.63	52.07	40.27	32.88	28.77	29.80	27.88	29.22	25.17	42.10	58.79	0.00	0.00	0.00
140.	110.22	51.63	40.68	31.61	28.80	29.76	27.60	29.29	25.60	43.66	62.45	0.00	0.00	0.00
145.	110.29	57.05	42.29	31.78	28.95	30.27	27.35	29.13	26.45	45.61	63.14	0.00	0.00	0.00
150.	110.46	59.71	41.63	33.34	29.72	30.44	27.92	29.05	26.82	48.68	66.00	0.00	0.00	0.00
155.	115.37	60.50	43.44	35.08	30.51	31.51	28.17	29.05	27.20	51.10	71.68	0.00	0.00	0.00
160.	129.66	67.29	44.05	34.54	29.95	33.05	28.27	29.57	27.52	53.22	73.60	0.00	0.00	0.00
165.	134.25	78.45	48.66	37.27	30.37	33.85	29.50	29.78	27.70	54.39	75.93	0.00	0.00	0.00
170.	135.38	94.76	53.07	36.56	31.80	34.12	29.57	30.63	28.15	55.93	77.02	0.00	0.00	0.00
175.	135.30	94.50	53.76	38.10	31.54	33.95	29.61	31.07	28.75	57.98	78.73	0.00	0.00	0.00
180.	145.12	86.40	53.37	41.10	33.02	35.61	30.80	33.05	29.00	61.38	82.43	0.00	0.00	0.00
185.	136.77	76.56	55.95	41.61	35.34	37.85	32.90	33.39	29.45	61.52	81.12	0.00	0.00	0.00
190.	133.75	72.98	52.07	42.05	34.85	37.22	31.58	33.78	29.30	59.83	81.31	0.00	0.00	0.00
195.	129.29	63.90	51.32	42.63	36.76	36.90	31.93	34.12	29.34	61.38	81.09	0.00	0.00	0.00
200.	125.15	61.26	50.66	42.39	35.90	36.07	31.44	31.27	29.25	61.17	81.59	0.00	0.00	0.00
205.	125.51	69.80	45.49	42.19	34.71	35.45	31.17	31.90	28.97	61.17	82.05	0.00	0.00	0.00
210.	119.24	70.78	48.51	39.85	33.58	37.49	34.19	34.17	29.47	61.67	83.52	0.00	0.00	0.00
215.	127.44	67.21	53.17	42.24	34.66	37.68	33.32	33.61	29.27	62.36	84.21	0.00	0.00	0.00
220.	127.46	52.17	52.88	42.51	38.56	41.00	31.90	32.80	29.30	62.79	84.80	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	115.88	50.32	48.49	40.76	36.29	39.68	32.58	32.58	29.75	61.21	84.83	0.00	0.00	0.00
230.	106.83	49.34	49.19	40.88	37.19	40.02	34.24	33.37	29.67	60.83	84.64	0.00	0.00	0.00
235.	114.76	49.44	50.29	40.95	37.10	38.41	32.29	31.83	29.67	61.50	82.64	0.00	0.00	0.00
240.	108.22	49.10	47.17	41.34	36.63	37.98	32.29	32.66	29.56	62.40	83.14	0.00	0.00	0.00
245.	107.10	49.78	48.71	41.51	34.90	37.05	32.39	34.37	30.93	62.83	82.17	0.00	0.00	0.00
250.	108.07	46.27	45.54	41.17	35.78	37.41	31.17	31.51	29.90	61.43	81.98	0.00	0.00	0.00
255.	113.80	59.93	46.80	39.41	32.49	37.12	30.51	32.63	29.29	59.26	81.69	0.00	0.00	0.00
260.	90.45	60.36	49.15	41.83	32.49	33.68	30.37	32.71	29.42	59.57	83.21	0.00	0.00	0.00
265.	104.39	59.26	48.73	41.68	33.39	37.54	30.56	32.37	29.27	60.83	82.12	0.00	0.00	0.00
270.	95.24	63.43	48.54	40.90	34.05	38.46	32.98	33.63	29.46	61.98	83.74	0.00	0.00	0.00
275.	103.66	58.07	53.78	43.05	36.71	38.29	32.54	34.19	29.61	63.26	84.67	0.00	0.00	0.00
280.	106.56	51.56	54.00	43.95	39.93	39.41	32.02	33.34	29.32	63.31	85.38	0.00	0.00	0.00
285.	104.88	46.68	48.15	41.90	37.80	40.15	34.34	33.02	29.61	62.48	84.17	0.00	0.00	0.00
290.	107.15	48.34	45.44	41.24	37.17	40.24	33.78	34.78	29.25	60.21	83.26	0.00	0.00	0.00
295.	101.02	47.54	46.51	40.49	35.56	37.61	32.66	34.83	27.90	56.15	84.64	0.00	0.00	0.00
300.	89.59	48.07	46.66	41.85	36.41	37.44	32.27	33.37	28.90	58.17	84.50	0.00	0.00	0.00
305.	86.67	47.95	45.78	40.15	34.02	37.17	31.76	33.10	28.92	58.49	84.59	0.00	0.00	0.00
310.	107.15	48.63	48.46	41.56	35.44	38.83	31.98	33.19	28.20	59.50	83.90	0.00	0.00	0.00
315.	110.17	47.58	45.27	41.56	36.02	38.78	33.05	33.71	28.02	58.83	84.55	0.00	0.00	0.00
320.	100.95	49.12	47.27	40.07	34.05	35.05	31.83	34.32	29.05	58.21	84.40	0.00	0.00	0.00
325.	95.59	52.41	46.17	40.32	34.10	35.80	30.17	31.71	29.50	59.62	82.95	0.00	0.00	0.00
330.	96.76	64.48	51.44	42.98	36.12	35.56	29.90	31.56	28.90	61.93	82.31	0.00	0.00	0.00
335.	106.78	61.57	50.95	43.41	36.76	39.05	32.10	31.98	29.17	62.24	83.57	0.00	0.00	0.00
340.	103.41	58.81	51.98	43.19	37.19	39.10	32.15	33.02	29.90	63.02	85.26	0.00	0.00	0.00
345.	91.00	53.27	48.68	42.29	35.68	38.61	32.39	33.68	29.58	63.57	84.88	0.00	0.00	0.00
350.	89.33	50.17	47.39	41.41	36.49	39.90	32.78	33.39	29.46	62.86	84.93	0.00	0.00	0.00
355.	91.62	47.58	46.10	40.12	34.73	39.05	33.34	32.51	29.57	61.74	84.24	0.00	0.00	0.00
360.	82.67	48.29	46.44	39.88	35.63	36.98	32.24	32.46	29.90	60.33	85.07	0.00	0.00	0.00
365.	81.69	47.66	46.61	40.63	36.05	37.12	31.44	33.27	29.45	60.36	84.57	0.00	0.00	0.00
370.	85.36	47.61	45.88	40.29	36.02	36.19	30.17	33.10	29.44	59.64	84.02	0.00	0.00	0.00
375.	93.83	51.76	47.22	41.58	36.19	36.90	30.61	33.93	29.75	59.29	84.33	0.00	0.00	0.00
380.	100.56	53.05	46.39	41.27	35.12	36.32	30.29	33.37	29.77	61.02	83.64	0.00	0.00	0.00
385.	109.49	52.85	47.15	41.12	35.37	37.88	31.51	32.46	29.27	62.21	83.79	0.00	0.00	0.00
390.	101.58	49.66	45.24	40.56	35.37	37.76	33.85	34.27	30.41	63.60	84.67	0.00	0.00	0.00
395.	90.48	47.32	45.24	40.80	37.98	41.34	34.71	33.88	30.71	63.59	85.38	0.00	0.00	0.00
400.	96.57	47.24	46.17	41.46	38.15	39.76	33.71	35.44	30.46	64.64	84.98	0.00	0.00	0.00
405.	102.00	50.27	48.98	43.58	39.54	40.10	33.00	35.29	30.22	64.74	85.50	0.00	0.90	0.00
410.	110.22	50.90	48.88	43.10	37.61	39.19	34.24	33.90	29.27	63.33	85.58	0.00	0.00	0.00
415.	108.44	55.51	48.15	41.61	36.78	40.37	34.41	35.27	28.30	59.12	85.14	0.00	0.00	0.00
420.	108.61	51.71	47.66	43.39	37.27	39.85	33.90	37.19	28.60	56.41	85.86	0.00	0.00	0.00
425.	105.39	49.66	47.56	43.27	35.54	48.27	33.58	37.66	29.55	56.58	87.81	0.00	0.00	0.00
430.	104.27	48.51	46.80	42.54	35.80	34.93	32.32	36.24	29.46	59.62	87.07	0.00	0.00	0.00
435.	100.27	50.17	47.17	43.05	37.58	34.41	32.88	36.15	29.66	61.07	87.48	0.00	0.00	0.00
440.	102.27	50.34	46.68	41.27	35.44	34.61	32.49	34.05	29.88	61.86	87.48	0.00	0.00	0.00
445.	104.56	54.05	48.56	42.22	35.46	129.80	31.76	34.29	29.90	62.67	87.38	0.00	0.00	0.00
450.	105.49	59.62	52.34	44.10	37.12	36.32	31.63	34.78	29.41	64.31	87.52	0.00	0.00	0.00
455.	104.10	60.45	57.05	44.88	35.71	119.15	32.10	32.85	29.27	63.95	86.19	0.00	0.00	0.00
460.	107.71	58.76	51.88	44.71	37.09	34.89	32.54	33.39	29.83	64.45	87.59	0.00	0.00	0.00
465.	115.44	59.55	55.15	45.19	36.46	108.39	32.93	34.12	30.22	66.14	87.55	0.00	0.00	0.00
470.	109.22	60.24	57.12	45.63	37.27	104.22	34.15	34.56	30.44	66.19	88.90	0.00	0.00	0.00

PRC3-W-1-1

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	113.54	57.93	50.15	44.07	37.46	93.40	34.24	35.17	29.38	63.24	88.62	0.00	0.00	0.00
480.	103.19	62.90	52.29	44.15	35.56	77.89	33.80	35.63	29.40	61.40	89.36	0.00	0.00	0.00
485.	100.49	56.32	50.63	42.88	36.93	81.45	33.44	33.95	29.39	63.76	89.83	0.00	0.00	0.00
490.	113.80	57.07	50.85	44.51	37.90	69.61	32.90	34.93	30.00	66.55	88.24	0.00	0.00	0.00
495.	110.12	61.26	52.05	44.90	37.49	70.58	34.10	36.78	29.77	64.50	89.74	0.00	0.00	0.00
500.	103.12	65.52	49.95	43.80	35.19	79.38	32.98	36.34	29.76	63.76	90.40	0.00	0.00	0.00
505.	102.90	59.31	50.29	42.85	34.45	103.07	32.45	35.46	29.61	66.05	90.59	0.00	0.00	0.00
510.	109.73	61.90	51.34	44.39	33.78	111.27	33.02	34.41	29.46	64.19	91.17	0.00	0.00	0.00
515.	106.37	56.54	50.98	43.37	36.80	122.88	32.80	34.10	29.88	67.59	93.14	0.00	0.00	0.00
520.	97.31	59.29	48.71	42.80	36.34	83.95	33.85	33.71	29.60	65.81	90.50	0.00	0.00	0.00
525.	95.86	56.24	49.05	42.39	37.71	102.17	34.32	35.58	29.05	60.38	90.55	0.00	0.00	0.00
530.	106.00	62.74	53.90	44.95	36.61	112.76	31.95	36.39	30.07	62.93	90.50	0.00	0.00	0.00
535.	104.83	69.85	51.34	44.80	33.78	126.44	31.58	33.78	30.07	66.67	89.86	0.00	0.00	0.00
540.	113.02	63.98	55.29	43.90	37.27	116.27	32.49	33.98	29.55	65.93	90.09	0.00	0.00	0.00
545.	112.34	59.69	53.66	46.41	37.15	108.76	32.88	35.85	29.80	66.64	90.19	0.00	0.00	0.00
550.	110.29	60.98	52.58	47.80	35.49	90.50	33.56	35.46	30.49	71.41	91.02	0.00	0.00	0.00
555.	105.54	63.24	55.54	48.51	36.02	97.38	33.63	35.22	31.02	66.59	90.64	0.00	0.00	0.00
560.	111.78	72.00	54.44	48.46	36.05	89.24	32.49	35.12	30.83	66.64	91.29	0.00	0.00	0.00
565.	113.73	63.19	54.90	47.71	38.19	71.37	33.71	34.24	30.27	70.15	90.81	0.00	0.00	0.00
570.	116.88	70.88	54.46	46.51	39.58	79.24	33.41	36.37	30.29	71.02	90.07	0.00	0.00	0.00
575.	115.71	77.61	60.05	48.00	34.83	88.93	32.00	36.61	31.46	70.73	90.00	0.00	0.00	0.00
580.	113.80	88.57	67.14	48.54	35.37	110.22	33.56	35.22	31.39	69.80	90.50	0.00	0.00	0.00
585.	118.61	81.98	59.29	48.80	38.90	104.22	34.46	36.39	31.27	67.31	90.79	0.00	0.00	0.00
590.	114.19	78.57	57.34	45.93	37.19	30.49	33.00	36.54	32.00	70.22	90.98	0.00	0.00	0.00
595.	115.27	79.22	55.85	47.05	39.68	86.43	33.15	34.80	31.24	72.00	90.95	0.00	0.00	0.00
600.	113.29	78.07	56.15	45.95	36.76	74.54	32.07	35.29	30.80	70.95	91.02	0.00	0.00	0.00
605.	96.81	66.19	51.68	46.02	39.15	102.61	33.44	37.15	30.88	70.39	90.05	0.00	0.00	0.00
610.	109.24	58.83	55.49	47.02	35.54	70.85	33.98	36.46	30.73	70.95	89.74	0.00	0.00	0.00
615.	111.73	62.98	51.98	45.80	37.24	87.02	35.61	36.07	31.56	71.80	89.67	0.00	0.00	0.00
620.	107.41	76.00	55.15	46.63	39.59	111.68	35.17	35.68	31.27	71.80	90.57	0.00	0.00	0.00
625.	112.15	64.86	51.93	46.05	38.78	41.39	35.51	35.56	30.85	70.27	90.83	0.00	0.00	0.00
630.	103.41	58.24	53.56	47.83	42.58	41.46	34.61	34.98	31.34	71.27	90.69	0.00	0.00	0.00
635.	104.39	58.32	51.15	46.71	40.95	40.05	36.27	35.22	31.85	71.39	91.64	0.00	0.00	0.00
640.	101.49	63.21	52.02	46.19	37.24	40.44	35.24	36.56	30.76	67.14	90.71	0.00	0.00	0.00
645.	97.05	58.46	50.98	45.00	38.17	42.85	35.19	36.66	30.34	64.81	91.45	0.00	0.00	0.00
650.	105.02	61.43	50.51	46.22	40.22	41.24	36.83	37.95	31.58	65.38	91.07	0.00	0.00	0.00
655.	104.12	62.24	53.56	46.80	38.83	40.83	33.95	37.73	29.46	64.29	90.09	0.00	0.00	0.00
660.	103.39	60.69	50.88	45.10	38.37	39.54	33.24	35.88	29.93	62.50	89.31	0.00	0.00	0.00
665.	104.93	66.21	50.63	43.51	38.07	38.37	32.29	34.41	31.32	64.40	89.43	0.00	0.00	0.00
670.	102.51	70.15	52.54	43.83	36.46	40.41	33.85	35.49	30.58	64.71	87.59	0.00	0.00	0.00
675.	106.27	73.17	54.78	46.58	37.12	37.76	33.54	35.39	30.61	66.09	87.98	0.00	0.00	0.00
680.	102.34	65.64	52.34	45.44	34.24	36.95	32.29	33.61	30.63	65.07	87.17	0.00	0.00	0.00
685.	99.43	59.57	50.54	44.54	34.41	39.44	32.17	34.63	30.76	65.76	86.45	0.00	0.00	0.00
690.	94.17	60.69	52.22	46.02	38.39	39.80	33.07	34.49	29.73	66.71	86.36	0.00	0.00	0.00
695.	95.02	63.57	51.29	44.27	37.95	40.58	33.80	36.44	30.61	65.93	86.76	0.00	0.00	0.00
700.	91.00	58.74	49.73	43.44	39.15	39.32	34.07	37.73	31.61	64.81	86.45	0.00	0.00	0.00
705.	93.21	57.00	50.05	44.71	37.34	39.95	34.00	36.29	30.83	64.64	85.79	0.00	0.00	0.00
710.	90.69	57.98	50.00	44.83	37.76	39.80	33.90	35.37	30.19	61.69	85.14	0.00	0.00	0.00
715.	89.24	65.26	52.02	43.95	37.17	39.76	32.61	34.07	30.71	62.02	84.79	0.00	0.00	0.00
720.	88.62	60.52	50.80	44.00	36.15	39.05	33.24	34.71	29.44	61.19	84.81	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	94.43	61.74	49.66	42.85	36.39	40.66	33.00	34.61	29.34	61.24	84.19	0.00	0.00	0.00
730.	93.64	61.98	51.10	44.39	36.32	35.83	31.05	34.66	30.49	60.48	83.64	0.00	0.00	0.00
735.	92.98	62.21	49.44	44.83	34.17	34.58	31.63	33.88	29.90	59.17	83.36	0.00	0.00	0.00
740.	90.29	67.71	51.24	44.95	34.73	36.19	31.51	34.39	29.56	62.17	83.83	0.00	0.00	0.00
745.	88.57	74.02	50.54	43.73	36.78	37.54	32.44	33.90	29.68	61.29	83.09	0.00	0.00	0.00
750.	90.48	67.29	49.05	43.85	36.44	39.76	33.56	34.07	29.78	62.38	82.17	0.00	0.00	0.00
755.	87.40	59.90	49.10	41.98	35.80	38.63	33.07	33.02	30.12	62.33	81.90	0.00	0.00	0.00
760.	82.90	56.51	47.88	43.61	34.88	37.56	32.61	33.44	30.19	61.38	81.17	0.00	0.00	0.00
765.	78.33	58.90	51.78	44.76	36.98	38.44	33.29	33.51	29.93	62.33	80.88	0.00	0.00	0.00
770.	77.39	56.73	52.41	44.61	37.15	38.02	32.71	34.24	30.15	62.40	80.98	0.00	0.00	0.00
775.	79.27	53.41	50.02	44.58	35.63	36.85	32.93	32.95	30.07	62.36	80.79	0.00	0.00	0.00
780.	82.79	58.12	53.76	45.68	34.07	37.54	33.39	32.29	29.61	61.81	80.17	0.00	0.00	0.00
785.	83.12	57.85	52.51	45.51	36.00	39.10	36.39	32.73	29.90	62.57	79.74	0.00	0.00	0.00
790.	80.95	59.59	48.90	42.63	37.29	37.27	32.71	34.61	30.37	62.69	79.12	0.00	0.00	0.00
795.	81.86	58.39	49.00	45.15	36.51	37.24	31.27	31.32	29.37	62.52	79.14	0.00	0.00	0.00
800.	78.29	53.61	47.61	43.66	36.39	36.12	31.98	32.78	29.27	61.59	78.40	0.00	0.00	0.00
805.	77.39	57.22	49.80	41.19	34.19	36.00	30.73	32.68	29.49	62.57	78.24	0.00	0.00	0.00
810.	70.63	57.02	49.27	42.37	35.61	38.24	31.80	32.46	29.55	61.64	78.05	0.00	0.00	0.00
815.	73.02	51.63	48.02	42.46	35.39	38.51	32.76	32.19	29.42	60.55	78.00	0.00	0.00	0.00
820.	66.95	50.76	45.95	40.32	33.88	37.39	32.44	33.41	29.90	59.69	79.24	0.00	0.00	0.00
825.	71.56	49.88	45.68	40.41	34.68	36.63	32.00	32.78	29.85	59.02	78.90	0.00	0.00	0.00
830.	73.46	51.61	44.39	42.46	35.51	41.19	33.49	33.88	29.37	60.33	78.85	0.00	0.00	0.00
835.	74.41	53.22	49.80	43.32	36.34	37.39	32.10	34.02	29.80	59.57	78.54	0.00	0.00	0.00
840.	75.73	52.98	46.49	41.56	34.83	36.41	31.71	32.63	30.46	57.86	77.90	0.00	0.00	0.00
845.	71.88	52.78	47.71	43.34	38.73	35.73	31.00	32.34	29.90	57.12	77.10	0.00	0.00	0.00
850.	62.36	51.88	47.63	44.34	34.37	35.80	30.71	31.88	29.72	57.86	76.80	0.00	0.00	0.00
855.	71.68	54.15	47.22	42.39	36.17	37.83	32.39	32.90	29.88	58.05	76.29	0.00	0.00	0.00
860.	67.40	53.05	45.29	40.88	35.44	37.49	31.68	32.85	29.60	56.29	75.85	0.00	0.00	0.00
865.	64.81	49.54	47.15	41.56	34.71	35.19	30.98	34.37	30.07	58.02	75.61	0.00	0.00	0.00
870.	64.05	51.76	47.02	41.27	35.41	36.49	30.51	31.73	29.85	57.58	75.29	0.00	0.00	0.00
875.	61.38	49.12	45.90	41.98	35.49	38.61	31.22	31.37	29.42	57.83	75.00	0.00	0.00	0.00
880.	62.09	49.34	47.93	43.05	36.58	35.88	31.10	31.49	28.77	57.61	74.54	0.00	0.00	0.00
885.	63.00	53.76	49.39	44.17	35.02	34.29	30.00	31.83	28.42	55.61	74.15	0.00	0.00	0.00
890.	60.79	48.78	49.71	43.68	39.07	36.51	30.54	30.68	28.27	55.98	73.58	0.00	0.00	0.00
895.	63.81	50.90	48.39	44.19	38.12	36.19	30.19	30.02	28.00	54.56	73.44	0.00	0.00	0.00
900.	65.64	52.66	49.02	44.41	40.02	36.71	31.71	32.32	28.55	52.29	73.00	0.00	0.00	0.00
905.	65.98	59.07	49.02	43.93	36.22	35.10	31.88	32.24	29.27	50.27	72.58	0.00	0.00	0.00
910.	66.76	54.68	49.73	42.78	36.85	36.83	32.95	32.07	29.67	50.93	72.15	0.00	0.00	0.00
915.	72.51	63.57	50.05	43.78	37.76	38.19	33.34	32.58	29.95	51.41	71.76	0.00	0.00	0.00
920.	69.90	61.29	48.02	42.73	36.37	38.49	32.98	32.71	30.29	50.56	71.54	0.00	0.00	0.00
925.	72.07	65.26	51.68	43.00	36.37	736.67	32.76	32.24	30.37	49.76	71.19	0.00	0.00	0.00
930.	67.74	61.81	52.32	43.56	36.90	493.02	33.44	32.44	29.68	49.24	70.80	0.00	0.00	0.00

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	0.00	0.00	19.92	-37.57	0.01	-0.00	-0.01	-0.21	0.00	0.00	0.00	0.00	21.00	-0.03
0.	0.00	0.00	30.14	-54.91	0.01	-0.00	-0.00	0.14	0.00	0.00	0.00	0.00	21.00	-0.28
0.	0.00	0.00	40.62	-23.12	0.01	-0.01	-0.00	-0.16	0.00	0.00	0.00	0.00	21.00	0.04
0.	0.00	0.00	50.88	-17.34	0.01	0.00	-0.00	0.11	0.00	0.00	0.00	0.00	21.00	0.02
0.	0.00	0.00	60.15	-34.69	0.01	0.00	-0.00	-0.24	0.00	0.00	0.00	0.00	21.00	0.12
0.	0.00	0.00	70.37	-43.35	0.01	-0.01	-0.00	-0.09	0.00	0.00	0.00	0.00	21.00	0.13
5.	0.00	0.00	10.67	3488.23	0.01	-0.00	-0.00	-0.27	0.00	0.00	0.00	0.00	20.65	0.67
10.	0.00	0.00	19.92	3494.01	0.01	0.00	-0.00	0.04	0.00	0.00	0.00	0.00	20.65	0.14
15.	0.00	0.00	30.16	3491.12	0.01	0.00	0.00	0.17	0.00	0.00	0.00	0.00	20.64	0.25
20.	0.00	0.00	40.62	3494.01	0.01	0.00	0.00	0.05	0.00	0.00	0.00	-0.00	20.64	0.33
25.	0.00	0.00	50.86	3496.90	0.01	0.00	0.00	0.06	0.00	0.00	0.00	0.00	20.60	0.38
30.	0.00	0.00	60.13	3499.79	0.01	-0.00	0.00	0.26	0.00	0.00	0.00	0.00	20.56	0.88
35.	0.00	0.00	70.38	3499.79	0.01	-0.00	0.00	0.03	0.00	0.00	0.00	0.00	20.52	0.89
40.	0.00	0.00	10.67	3511.35	0.02	0.00	0.01	0.28	0.00	0.00	0.00	0.00	20.50	0.53
45.	0.00	0.00	19.92	3491.12	0.01	0.00	0.01	0.18	0.00	0.00	0.00	0.00	20.46	0.28
50.	0.00	0.00	30.16	3494.01	0.01	0.00	0.01	0.12	0.00	0.00	0.00	0.00	20.44	0.78
55.	0.00	0.00	40.62	3494.01	0.01	-0.00	0.01	0.14	0.00	0.00	0.00	0.00	20.43	1.05
60.	0.00	0.00	50.87	3499.79	0.01	-0.00	0.02	0.13	0.00	0.00	0.00	0.00	20.41	1.25
65.	0.00	0.00	60.14	3496.90	0.02	0.00	0.03	-0.01	0.00	0.00	0.00	0.00	20.36	1.74
70.	0.00	0.00	70.38	3485.34	0.02	0.01	0.04	-0.22	0.00	0.00	0.00	0.00	20.33	1.62
75.	0.00	0.00	10.67	3473.78	0.03	0.02	0.06	0.76	0.00	0.00	0.00	0.00	20.29	2.05
80.	0.00	0.00	19.92	3459.33	0.03	0.02	0.08	0.19	0.00	0.00	0.00	0.00	20.23	2.50
85.	0.00	0.00	30.16	3456.44	0.04	0.03	0.10	0.04	0.00	0.00	0.00	0.00	20.16	2.81
90.	0.00	0.00	40.63	3433.32	0.05	0.03	0.12	0.12	0.00	0.00	0.00	0.00	20.06	2.31
95.	0.00	0.00	50.87	3407.31	0.05	0.04	0.15	0.06	0.00	0.00	0.00	0.00	19.97	1.74
100.	0.00	0.00	60.14	3410.20	0.06	0.05	0.15	-0.10	0.00	0.00	0.00	0.00	19.85	2.66
105.	0.00	0.00	70.39	3398.64	0.07	0.05	0.17	-0.22	0.00	0.00	0.00	0.00	19.75	3.37
110.	0.00	0.00	10.67	3366.85	0.07	0.06	0.20	1.45	0.00	0.00	0.00	0.00	19.64	2.43
115.	0.00	0.00	19.94	3343.73	0.08	0.06	0.21	0.71	0.00	0.00	0.00	0.00	19.53	4.11
120.	0.00	0.00	30.17	3311.94	0.09	0.07	0.21	0.14	0.00	0.00	0.00	0.00	19.45	3.85
125.	0.00	0.00	40.64	3291.71	0.10	0.08	0.23	0.08	0.00	0.00	0.00	0.00	19.35	3.74
130.	0.00	0.00	50.88	3254.14	0.12	0.09	0.27	0.06	0.00	0.00	0.00	0.00	19.29	5.13
135.	0.00	0.00	60.15	3222.35	0.13	0.10	0.36	-0.65	0.00	0.00	0.00	0.00	19.22	3.79
140.	0.00	0.00	70.39	3187.67	0.13	0.10	0.31	0.18	0.00	0.00	0.00	0.00	19.10	6.41
145.	0.00	0.00	10.67	3161.66	0.13	0.10	0.32	1.74	0.00	0.00	0.00	0.00	19.00	7.19
150.	0.00	0.00	19.92	3155.88	0.13	0.11	0.34	0.93	0.00	0.00	0.00	0.00	19.32	5.13
155.	0.00	0.00	30.17	3103.86	0.14	0.11	0.31	0.08	0.00	0.00	0.00	0.00	18.78	5.65
160.	0.00	0.00	40.64	3054.73	0.15	0.12	0.38	-0.16	0.00	0.00	0.00	0.00	18.78	7.33
165.	0.00	0.00	50.87	3031.61	0.15	0.13	0.32	0.13	0.00	0.00	0.00	0.00	18.62	4.30
170.	0.00	0.00	60.15	2999.82	0.16	0.13	0.35	0.10	0.00	0.00	0.00	0.00	18.58	5.22
175.	0.00	0.00	70.39	2953.58	0.18	0.13	0.38	-0.41	0.00	0.00	0.00	0.00	18.55	7.68
180.	0.00	0.00	10.67	2904.45	0.18	0.13	0.43	2.08	0.00	0.00	0.00	0.00	18.56	6.38
185.	0.00	0.00	19.92	2895.78	0.17	0.13	0.39	1.14	0.00	0.00	0.00	0.00	18.56	5.57
190.	0.00	0.00	30.17	2858.21	0.16	0.13	0.39	0.08	0.00	0.00	0.00	0.00	18.56	5.19
195.	0.00	0.00	40.64	2837.98	0.16	0.12	0.38	-0.44	0.00	0.00	0.00	0.00	18.56	4.45
200.	0.00	0.00	50.87	2797.52	0.15	0.12	0.38	0.14	0.00	0.00	0.00	0.00	18.57	5.43
205.	0.00	0.00	60.15	2777.29	0.15	0.11	0.34	-0.54	0.00	0.00	0.00	0.00	18.57	5.86
210.	0.00	0.00	70.39	2739.72	0.16	0.11	0.38	-0.41	0.00	0.00	0.00	0.00	18.58	5.29
215.	0.00	0.00	10.67	2707.93	0.16	0.11	0.40	2.20	0.00	0.00	0.00	0.00	18.68	6.47
220.	0.00	0.00	19.93	2681.92	0.16	0.12	0.40	0.61	0.00	0.00	0.00	0.00	18.70	3.61

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	0.00	0.00	30.16	2641.46	0.16	0.11	0.38	0.13	0.00	0.00	0.00	0.00	18.66	5.47
230.	0.00	0.00	40.63	2629.90	0.16	0.11	0.36	-0.18	0.00	0.00	0.00	0.00	18.67	6.91
235.	0.00	0.00	50.88	2601.00	0.15	0.11	0.35	0.12	0.00	0.00	0.00	0.00	18.66	4.34
240.	0.00	0.00	60.15	2577.88	0.15	0.10	0.34	-0.40	0.00	0.00	0.00	0.00	18.67	5.54
245.	0.00	0.00	70.40	2548.98	0.14	0.10	0.35	-0.39	0.00	0.00	0.00	0.00	18.67	3.74
250.	0.00	0.00	10.67	2525.86	0.14	0.10	0.32	1.57	0.00	0.00	0.00	0.00	18.70	5.30
255.	0.00	0.00	19.92	2499.85	0.15	0.10	0.35	1.24	0.00	0.00	0.00	0.00	18.76	4.33
260.	0.00	0.00	30.16	2473.84	0.15	0.10	0.31	0.06	0.00	0.00	0.00	0.00	18.80	5.40
265.	0.00	0.00	40.63	2450.72	0.15	0.10	0.33	0.05	0.00	0.00	0.00	0.00	18.86	3.84
270.	0.00	0.00	50.88	2430.49	0.15	0.10	0.36	-0.45	0.00	0.00	0.00	0.00	18.82	3.64
275.	0.00	0.00	60.16	2401.59	0.15	0.10	0.37	-0.47	0.00	0.00	0.00	0.00	18.84	4.77
280.	0.00	0.00	70.39	2381.36	0.15	0.10	0.33	0.13	0.00	0.00	0.00	0.00	18.88	4.54
285.	0.00	0.00	10.67	2361.13	0.15	0.09	0.30	1.96	0.00	0.00	0.00	0.00	18.84	4.10
290.	0.00	0.00	19.93	2323.56	0.15	0.09	0.32	0.87	0.00	0.00	0.00	0.00	18.86	4.07
295.	0.00	0.00	30.17	2300.44	0.16	0.09	0.35	0.19	0.00	0.00	0.00	0.00	18.87	3.88
300.	0.00	0.00	40.64	2274.43	0.15	0.09	0.32	-0.15	0.00	0.00	0.00	0.00	18.89	5.18
305.	0.00	0.00	50.87	2245.53	0.14	0.09	0.30	0.12	0.00	0.00	0.00	0.00	18.90	4.89
310.	0.00	0.00	60.15	2225.30	0.15	0.09	0.30	-0.26	0.00	0.00	0.00	0.00	18.88	4.21
315.	0.00	0.00	70.39	2202.18	0.14	0.09	0.34	-0.40	0.00	0.00	0.00	0.00	18.87	4.35
320.	0.00	0.00	10.67	2193.51	0.14	0.09	0.31	1.75	0.00	0.00	0.00	0.00	18.90	5.22
325.	0.00	0.00	19.92	2155.94	0.14	0.08	0.29	0.69	0.00	0.00	0.00	0.00	18.93	4.31
330.	0.00	0.00	30.16	2135.71	0.15	0.08	0.31	0.10	0.00	0.00	0.00	0.00	18.95	4.55
335.	0.00	0.00	40.63	2118.37	0.15	0.08	0.36	-0.36	0.00	0.00	0.00	0.00	18.99	3.85
340.	0.00	0.00	50.87	2098.14	0.15	0.09	0.37	-0.40	0.00	0.00	0.00	0.00	18.98	5.12
345.	0.00	0.00	60.14	2080.80	0.15	0.09	0.35	-0.32	0.00	0.00	0.00	0.00	19.00	4.43
350.	0.00	0.00	70.38	2066.35	0.14	0.09	0.35	-0.46	0.00	0.00	0.00	0.00	18.99	4.48
355.	0.00	0.00	10.67	2046.12	0.14	0.09	0.34	1.58	0.00	0.00	0.00	0.00	18.96	4.00
360.	0.00	0.00	19.91	2005.66	0.14	0.08	0.34	0.64	0.00	0.00	0.00	0.00	18.93	4.74
365.	0.00	0.00	30.15	1999.88	0.14	0.08	0.33	-0.07	0.00	0.00	0.00	0.00	18.91	3.68
370.	0.00	0.00	40.62	1988.32	0.14	0.07	0.33	-0.18	0.00	0.00	0.00	0.00	18.95	4.49
375.	0.00	0.00	50.86	1953.64	0.14	0.08	0.33	-0.34	0.00	0.00	0.00	0.00	18.98	4.85
380.	0.00	0.00	60.14	1942.08	0.14	0.08	0.34	-0.51	0.00	0.00	0.00	0.00	19.01	4.31
385.	0.00	0.00	70.38	1924.74	0.14	0.08	0.32	-0.42	0.00	0.00	0.00	0.00	19.03	4.48
390.	0.00	0.00	10.67	1895.84	0.15	0.08	0.33	1.81	0.00	0.00	0.00	0.00	19.03	4.31
395.	0.00	0.00	19.92	1855.38	0.14	0.08	0.30	0.24	0.00	0.00	0.00	0.00	19.03	4.57
400.	0.00	0.00	30.16	1849.60	0.14	0.08	0.30	-0.50	0.00	0.00	0.00	0.00	19.05	4.47
405.	0.00	0.00	40.63	1829.37	0.15	0.08	0.31	-0.39	0.00	0.00	0.00	0.00	19.05	4.74
410.	0.00	0.00	50.87	1809.14	0.15	0.08	0.32	-0.45	0.00	0.00	0.00	0.00	19.04	5.03
415.	0.00	0.00	60.14	1780.24	0.15	0.08	0.31	-0.49	0.00	0.00	0.00	0.00	19.10	4.72
420.	0.00	0.00	70.39	1754.23	0.15	0.08	0.31	-0.44	0.00	0.00	0.00	0.00	19.10	4.41
425.	0.00	0.00	10.67	1731.11	0.15	0.08	0.31	1.84	0.00	0.00	0.00	0.00	19.09	4.22
430.	0.00	0.00	19.92	1719.55	0.15	0.08	0.37	0.36	0.00	0.00	0.00	0.00	19.08	3.80
435.	0.00	0.00	30.16	1699.32	0.15	0.08	0.36	-0.17	0.00	0.00	0.00	0.00	19.04	4.25
440.	0.00	0.00	40.64	1667.53	0.15	0.08	0.32	-0.31	0.00	0.00	0.00	0.00	19.01	4.58
445.	0.00	0.00	50.87	1641.52	0.15	0.08	0.32	-0.42	0.00	0.00	0.00	0.00	19.04	4.65
450.	0.00	0.00	60.15	1615.51	0.15	0.08	0.32	0.12	0.00	0.00	0.00	0.00	19.05	4.81
455.	0.00	0.00	70.39	1606.84	0.15	0.08	0.30	-0.39	0.00	0.00	0.00	0.00	19.08	3.82
460.	0.00	0.00	10.67	1577.94	0.15	0.08	0.32	1.91	0.00	0.00	0.00	0.00	19.08	4.62
465.	0.00	0.00	19.92	1569.27	0.15	0.08	0.32	1.03	0.00	0.00	0.00	0.00	19.10	4.66
470.	0.00	0.00	30.16	1549.04	0.16	0.09	0.33	0.13	0.00	0.00	0.00	0.00	19.08	4.72

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	0.00	0.00	40.63	1525.92	0.16	0.08	0.35	-0.44	0.00	0.00	0.00	0.00	19.08	4.54
480.	0.00	0.00	50.87	1514.36	0.16	0.08	0.35	-0.53	0.00	0.00	0.00	0.00	19.07	4.76
485.	0.00	0.00	60.14	1476.79	0.15	0.08	0.34	-0.32	0.00	0.00	0.00	0.00	19.08	4.39
490.	0.00	0.00	70.33	1459.45	0.15	0.08	0.36	-0.48	0.00	0.00	0.00	0.00	19.10	4.75
495.	0.00	0.00	10.66	1445.00	0.16	0.08	0.37	1.88	0.00	0.00	0.00	0.00	19.09	4.56
500.	0.00	0.00	19.91	1410.32	0.16	0.08	0.36	0.67	0.00	0.00	0.00	0.00	19.08	3.98
505.	0.00	0.00	30.15	1401.65	0.16	0.08	0.36	0.09	0.00	0.00	0.00	0.00	19.09	4.81
510.	0.00	0.00	40.62	1387.20	0.16	0.08	0.35	0.05	0.00	0.00	0.00	0.00	19.09	4.79
515.	0.00	0.00	50.86	1369.86	0.16	0.08	0.35	-0.47	0.00	0.00	0.00	0.00	19.09	4.48
520.	0.00	0.00	60.15	1361.19	0.16	0.08	0.38	-0.48	0.00	0.00	0.00	0.00	19.08	4.28
525.	0.00	0.00	70.39	1314.95	0.15	0.08	0.34	-0.38	0.00	0.00	0.00	0.00	19.06	4.83
530.	0.00	0.00	10.67	1294.72	0.16	0.08	0.34	1.66	0.00	0.00	0.00	0.00	19.10	4.05
535.	0.00	0.00	19.91	1268.71	0.16	0.08	0.33	0.87	0.00	0.00	0.00	0.00	19.08	4.43
540.	0.00	0.00	30.16	1257.15	0.16	0.08	0.35	0.11	0.00	0.00	0.00	0.00	19.09	4.03
545.	0.00	0.00	40.63	1239.81	0.16	0.08	0.32	-0.33	0.00	0.00	0.00	0.00	19.08	4.79
550.	0.00	0.00	50.88	1213.80	0.17	0.09	0.33	-0.44	0.00	0.00	0.00	0.00	19.09	4.49
555.	0.00	0.00	60.16	1199.35	0.16	0.08	0.34	-0.38	0.00	0.00	0.00	0.00	19.12	5.36
560.	0.00	0.00	70.39	1164.67	0.16	0.08	0.32	-0.38	0.00	0.00	0.00	0.00	19.12	5.04
565.	0.00	0.00	10.67	1147.33	0.16	0.08	0.31	2.02	0.00	0.00	0.00	0.00	19.14	5.54
570.	0.00	0.00	19.93	1132.88	0.16	0.08	0.29	1.27	0.00	0.00	0.00	0.00	19.14	5.01
575.	0.00	0.00	30.17	1109.76	0.16	0.09	0.33	0.11	0.00	0.00	0.00	0.00	19.11	4.06
580.	0.00	0.00	40.64	1092.42	0.17	0.08	0.34	-0.41	0.00	0.00	0.00	0.00	19.12	4.83
585.	0.00	0.00	50.87	1060.63	0.16	0.08	0.35	-0.61	0.00	0.00	0.00	0.00	19.14	4.36
590.	0.00	0.00	60.16	1063.52	0.16	0.08	0.34	-0.47	0.00	0.00	0.00	0.00	19.16	5.07
595.	0.00	0.00	70.39	1037.51	0.16	0.08	0.32	-0.37	0.00	0.00	0.00	0.00	19.20	4.04
600.	0.00	0.00	10.67	997.05	0.16	0.08	0.33	1.98	0.00	0.00	0.00	0.00	19.17	4.46
605.	0.00	0.00	19.91	988.38	0.16	0.08	0.33	1.27	0.00	0.00	0.00	0.00	19.17	4.48
610.	0.00	0.00	30.15	979.71	0.15	0.08	0.30	0.12	0.00	0.00	0.00	0.00	19.21	4.48
615.	0.00	0.00	40.61	959.48	0.15	0.08	0.35	-0.36	0.00	0.00	0.00	0.00	19.20	4.52
620.	0.00	0.00	50.87	959.48	0.16	0.08	0.34	0.22	0.00	0.00	0.00	0.00	19.21	4.49
625.	0.00	0.00	60.14	950.81	0.15	0.07	0.35	-0.54	0.00	0.00	0.00	0.00	19.24	4.68
630.	0.00	0.00	70.38	927.69	0.15	0.08	0.33	-0.45	0.00	0.00	0.00	0.00	19.23	4.20
635.	0.00	0.00	10.67	913.24	0.16	0.08	0.34	1.59	0.00	0.00	0.00	0.00	19.25	4.88
640.	0.00	0.00	19.92	895.90	0.16	0.08	0.35	1.26	0.00	0.00	0.00	0.00	19.23	3.38
645.	0.00	0.00	30.17	878.56	0.15	0.08	0.31	0.09	0.00	0.00	0.00	0.00	19.23	4.16
650.	0.00	0.00	40.64	852.55	0.15	0.08	0.31	0.16	0.00	0.00	0.00	0.00	19.24	4.32
655.	0.00	0.00	50.88	840.99	0.15	0.09	0.32	-0.50	0.00	0.00	0.00	0.00	19.26	3.58
660.	0.00	0.00	60.15	823.65	0.15	0.07	0.30	-0.46	0.00	0.00	0.00	0.00	19.26	3.93
665.	0.00	0.00	70.39	800.53	0.15	0.07	0.28	-0.37	0.00	0.00	0.00	0.00	19.27	3.73
670.	0.00	0.00	10.67	791.86	0.14	0.07	0.27	1.94	0.00	0.00	0.00	0.00	19.30	4.18
675.	0.00	0.00	19.93	783.19	0.14	0.07	0.27	1.27	0.00	0.00	0.00	0.00	19.37	4.30
680.	0.00	0.00	30.16	771.63	0.14	0.07	0.27	-0.19	0.00	0.00	0.00	0.00	19.38	3.34
685.	0.00	0.00	40.62	754.29	0.13	0.07	0.27	-0.44	0.00	0.00	0.00	0.00	19.39	4.63
690.	0.00	0.00	50.86	736.95	0.14	0.07	0.28	-0.37	0.00	0.00	0.00	0.00	19.39	3.97
695.	0.00	0.00	60.13	725.39	0.14	0.07	0.26	-0.51	0.00	0.00	0.00	0.00	19.42	4.32
700.	0.00	0.00	70.37	722.50	0.13	0.07	0.26	-0.37	0.00	0.00	0.00	0.00	19.44	3.59
705.	0.00	0.00	10.67	708.05	0.13	0.07	0.25	1.85	0.00	0.00	0.00	0.00	19.45	3.90
710.	0.00	0.00	19.92	702.27	0.13	0.06	0.26	1.10	0.00	0.00	0.00	0.00	19.44	3.36
715.	0.00	0.00	30.16	693.60	0.13	0.06	0.29	0.18	0.00	0.00	0.00	0.00	19.48	3.05
720.	0.00	0.00	40.64	684.93	0.13	0.06	0.25	-0.32	0.00	0.00	0.00	0.00	19.49	3.73

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	0.00	0.00	50.86	658.92	0.13	0.06	0.23	0.05	0.00	0.00	0.00	0.00	19.47	3.87
730.	0.00	0.00	60.15	653.14	0.13	0.06	0.24	-0.48	0.00	0.00	0.00	0.00	19.48	3.43
735.	0.00	0.00	70.40	638.69	0.13	0.06	0.23	-0.40	0.00	0.00	0.00	0.00	19.54	3.34
740.	0.00	0.00	10.67	627.13	0.13	0.06	0.23	1.70	0.00	0.00	0.00	0.00	19.56	3.82
745.	0.00	0.00	19.93	630.02	0.13	0.06	0.23	0.50	0.00	0.00	0.00	0.00	19.57	3.54
750.	0.00	0.00	30.16	612.68	0.13	0.06	0.23	0.60	0.00	0.00	0.00	0.00	19.58	3.38
755.	0.00	0.00	40.64	598.23	0.13	0.06	0.22	0.28	0.00	0.00	0.00	0.00	19.59	3.50
760.	0.00	0.00	50.88	578.00	0.13	0.06	0.24	-0.47	0.00	0.00	0.00	0.00	19.57	3.02
765.	0.00	0.00	60.15	578.00	0.13	0.06	0.23	-0.47	0.00	0.00	0.00	0.00	19.60	3.91
770.	0.00	0.00	70.40	572.22	0.12	0.06	0.22	-0.43	0.00	0.00	0.00	0.00	19.60	3.72
775.	0.00	0.00	10.67	560.66	0.12	0.06	0.22	1.34	0.00	0.00	0.00	0.00	19.63	3.47
780.	0.00	0.00	19.92	540.43	0.12	0.06	0.23	0.90	0.00	0.00	0.00	0.00	19.62	3.30
785.	0.00	0.00	30.15	543.32	0.12	0.06	0.21	0.25	0.00	0.00	0.00	0.00	19.63	2.85
790.	0.00	0.00	40.63	537.54	0.12	0.05	0.20	0.24	0.00	0.00	0.00	0.00	19.65	2.96
795.	0.00	0.00	50.87	543.32	0.12	0.05	0.21	-0.32	0.00	0.00	0.00	0.00	19.65	3.04
800.	0.00	0.00	60.14	537.54	0.11	0.05	0.21	-0.47	0.00	0.00	0.00	0.00	19.64	3.49
805.	0.00	0.00	70.38	528.87	0.12	0.05	0.18	-0.36	0.00	0.00	0.00	0.00	19.69	3.36
810.	0.00	0.00	10.67	525.98	0.11	0.05	0.20	1.37	0.00	0.00	0.00	0.00	19.71	2.80
815.	0.00	0.00	19.93	517.31	0.12	0.05	0.22	1.10	0.00	0.00	0.00	0.00	19.68	3.03
820.	0.00	0.00	30.17	497.08	0.12	0.05	0.20	0.02	0.00	0.00	0.00	0.00	19.66	2.63
825.	0.00	0.00	40.64	491.30	0.12	0.05	0.19	0.08	0.00	0.00	0.00	0.00	19.65	2.66
830.	0.00	0.00	50.88	479.74	0.12	0.05	0.17	-0.48	0.00	0.00	0.00	0.00	19.67	2.51
835.	0.00	0.00	60.15	468.18	0.12	0.05	0.20	-0.41	0.00	0.00	0.00	0.00	19.68	3.34
840.	0.00	0.00	70.39	554.88	0.11	0.05	0.18	-0.36	0.00	0.00	0.00	0.00	19.67	2.74
845.	0.00	0.00	10.67	450.84	0.10	0.05	0.17	1.39	0.00	0.00	0.00	0.00	19.67	2.81
850.	0.00	0.00	19.91	450.84	0.10	0.05	0.16	0.82	0.00	0.00	0.00	0.00	19.68	2.64
855.	0.00	0.00	30.16	450.84	0.10	0.05	0.17	0.06	0.00	0.00	0.00	0.00	19.70	2.12
860.	0.00	0.00	40.62	445.06	0.10	0.05	0.17	-0.10	0.00	0.00	0.00	0.00	19.72	2.71
865.	0.00	0.00	50.86	450.84	0.09	0.04	0.15	-0.45	0.00	0.00	0.00	0.00	19.75	3.09
870.	0.00	0.00	60.14	447.95	0.09	0.04	0.15	-0.38	0.00	0.00	0.00	0.00	19.75	2.41
875.	0.00	0.00	70.39	453.73	0.10	0.04	0.15	0.23	0.00	0.00	0.00	0.00	19.76	2.65
880.	0.00	0.00	10.67	447.95	0.10	0.05	0.14	1.23	0.00	0.00	0.00	0.00	19.76	2.38
885.	0.00	0.00	19.93	436.39	0.10	0.04	0.14	0.74	0.00	0.00	0.00	0.00	19.78	2.21
890.	0.00	0.00	30.17	615.57	0.09	0.05	0.15	0.20	0.00	0.00	0.00	0.00	19.79	2.27
895.	0.00	0.00	40.64	398.82	0.07	0.05	0.13	0.12	0.00	0.00	0.00	0.00	19.79	2.00
900.	0.00	0.00	50.88	378.59	0.07	0.05	0.13	-0.40	0.00	0.00	0.00	0.00	19.81	2.31
905.	0.00	0.00	60.15	367.03	0.07	0.05	0.14	-0.52	0.00	0.00	0.00	0.00	19.84	2.20
910.	0.00	0.00	70.39	352.58	0.07	0.05	0.11	-0.46	0.00	0.00	0.00	0.00	19.89	2.28
915.	0.00	0.00	10.67	349.69	0.07	0.05	0.13	1.20	0.00	0.00	0.00	0.00	19.91	2.19
920.	0.00	0.00	19.93	352.58	0.07	0.05	0.12	1.08	0.00	0.00	0.00	0.00	19.92	2.80
925.	0.00	0.00	30.15	338.13	0.07	0.04	0.14	0.49	0.00	0.00	0.00	0.00	19.92	2.35
930.	0.00	0.00	40.63	341.02	0.07	0.04	0.13	0.05	0.00	0.00	0.00	0.00	19.94	2.16

TIME	42	43	44	45	46	47	48
0.	-0.11	-0.15	0.21	0.03	0.05	0.00	0.00
0.	0.36	0.09	-0.55	-0.36	0.10	0.00	0.00
0.	0.36	-0.34	0.25	0.09	0.03	0.00	0.00
0.	-0.18	0.38	-0.13	0.18	0.00	0.00	0.00
0.	-0.20	0.31	-0.24	0.09	0.03	0.00	0.00
0.	-0.22	-0.29	0.46	-0.03	-0.21	0.00	0.00
5.	0.06	-0.30	0.12	0.41	-0.59	0.00	5.00
10.	-0.09	0.30	-0.38	0.14	-0.36	0.00	10.00
15.	-0.15	0.22	-0.01	0.28	-0.27	0.00	15.00
20.	0.05	0.26	0.35	0.03	-0.23	0.01	20.00
25.	0.31	-0.03	0.07	0.20	-0.35	0.03	25.00
30.	-0.19	0.18	0.16	0.25	-0.45	0.07	30.00
35.	-0.30	0.48	0.05	-0.00	0.09	0.09	35.00
40.	-0.00	0.54	0.05	-0.05	-0.21	0.12	40.00
45.	0.12	0.63	-0.25	-0.07	-0.20	0.14	45.00
50.	-0.14	0.53	0.06	0.10	-0.07	0.15	50.00
55.	0.07	0.82	-0.17	-0.07	0.22	0.16	55.00
60.	0.04	0.78	-0.03	-0.29	0.28	0.21	60.00
65.	0.02	0.74	0.22	-0.07	0.35	0.27	65.00
70.	0.38	0.26	0.30	-0.31	0.03	0.30	70.00
75.	0.58	0.80	0.51	0.08	-0.32	0.38	75.00
80.	0.83	0.43	0.71	-0.02	-0.50	0.47	80.00
85.	0.77	1.08	-0.23	0.74	-0.52	0.62	85.00
90.	0.73	1.95	-0.36	-0.10	0.12	0.83	90.00
95.	1.97	0.84	0.45	0.01	-0.21	0.87	95.00
100.	2.47	0.69	0.37	-0.29	-0.85	1.15	100.00
105.	1.89	1.63	-0.69	1.22	-1.32	1.22	105.00
110.	3.05	1.16	0.26	-0.03	-1.26	1.40	110.00
115.	2.61	2.07	-0.86	-1.65	-0.68	1.58	115.00
120.	2.26	2.46	-0.05	-0.73	-0.85	1.64	120.00
125.	1.87	1.09	0.96	-0.54	-1.45	1.83	125.00
130.	2.50	1.84	0.99	0.35	-1.61	1.96	130.00
135.	5.34	1.00	-0.84	1.15	-1.45	2.03	135.00
140.	2.83	1.38	-0.42	1.39	-1.49	2.20	140.00
145.	2.53	1.16	0.07	1.03	-1.35	2.34	145.00
150.	3.35	3.04	-0.76	-0.80	1.31	2.56	150.00
155.	2.79	1.29	0.26	0.53	-0.23	2.61	155.00
160.	2.35	1.52	0.71	0.31	-0.62	2.78	160.00
165.	3.80	2.32	-0.01	-0.54	-0.14	2.91	165.00
170.	2.28	3.85	1.20	-1.94	1.41	2.87	170.00
175.	3.13	3.26	-0.97	0.93	-1.03	2.81	175.00
180.	2.48	2.38	-1.05	-0.37	-1.62	2.91	180.00
185.	2.94	2.39	-0.45	0.05	0.22	2.79	185.00
190.	3.70	2.71	-0.89	0.69	-0.72	2.83	190.00
195.	3.67	2.52	0.06	-0.58	-0.33	2.71	195.00
200.	2.28	3.01	0.45	0.05	-0.32	2.93	200.00
205.	3.82	1.01	0.27	-0.28	-0.29	2.81	205.00
210.	2.71	2.97	0.07	0.14	-1.16	2.74	210.00
215.	2.55	1.51	0.86	-0.14	-0.52	2.56	215.00
220.	4.02	1.89	-0.08	-0.72	0.35	2.69	220.00

TIME	42	43	44	45	46	47	48
225.	2.34	2.60	-0.55	-1.25	-1.40	2.69	225.00
230.	1.68	1.93	0.33	0.29	-0.40	2.66	230.00
235.	2.39	2.61	-0.01	-0.27	-1.66	2.71	235.00
240.	3.25	1.37	0.03	-0.79	-1.20	2.61	240.00
245.	4.09	1.31	-0.64	0.53	-0.68	2.67	245.00
250.	1.96	1.51	0.47	0.05	-1.11	2.56	250.00
255.	3.09	2.13	0.25	-1.34	0.35	2.49	255.00
260.	3.06	2.90	-0.50	0.16	-0.65	2.45	260.00
265.	2.28	1.67	0.83	0.08	-0.94	2.39	265.00
270.	3.78	1.52	0.23	-0.31	-0.78	2.47	270.00
275.	3.04	1.44	1.00	-0.57	-0.19	2.33	275.00
280.	2.85	1.75	0.25	0.34	-0.85	2.43	280.00
285.	3.15	1.90	-0.24	0.18	-0.14	2.41	285.00
290.	3.30	2.07	-0.60	-0.07	0.58	2.40	290.00
295.	2.88	2.05	-0.64	0.20	0.10	2.37	295.00
300.	2.27	1.84	-0.25	0.12	-0.61	2.37	300.00
305.	2.76	0.74	0.32	-0.45	-0.19	2.40	305.00
310.	2.21	2.77	0.26	-1.28	0.03	2.42	310.00
315.	2.40	1.49	0.40	-0.35	-0.66	2.35	315.00
320.	1.57	1.91	0.44	-0.46	-0.59	2.26	320.00
325.	2.71	2.50	-0.10	-0.74	0.07	2.23	325.00
330.	2.95	2.38	-0.73	0.19	-0.62	2.22	330.00
335.	3.97	1.97	-0.79	0.65	-1.32	2.14	335.00
340.	2.48	2.17	-0.40	0.93	-1.01	2.23	340.00
345.	2.24	1.95	-0.75	0.47	-0.14	2.22	345.00
350.	2.19	3.01	-0.27	-0.56	-0.36	2.25	350.00
355.	2.51	1.57	0.61	-0.72	-0.14	2.28	355.00
360.	2.60	1.90	-0.13	0.32	-0.24	2.34	360.00
365.	3.06	2.14	-0.27	-0.31	0.23	2.29	365.00
370.	2.45	1.78	0.37	-0.08	-0.35	2.23	370.00
375.	2.32	2.02	0.29	-0.41	-0.03	2.17	375.00
380.	2.43	2.13	-0.24	-0.37	0.09	2.14	380.00
385.	1.78	2.11	-0.45	0.02	-0.71	2.14	385.00
390.	2.59	1.83	0.16	-0.21	0.28	2.14	390.00
395.	3.46	0.86	0.02	0.71	-1.37	2.11	395.00
400.	2.60	2.17	-0.17	0.03	-0.68	2.14	400.00
405.	2.70	1.74	-0.31	-0.03	-0.71	2.15	405.00
410.	2.66	1.69	0.06	-0.06	-0.14	2.11	410.00
415.	3.01	1.92	-0.24	0.27	-0.32	2.01	415.00
420.	2.68	2.27	-0.42	0.41	-0.77	2.03	420.00
425.	3.28	1.83	-0.21	-0.37	-0.48	2.06	425.00
430.	2.58	2.13	-0.19	-0.23	-0.26	2.09	430.00
435.	2.63	1.41	0.20	0.12	-0.27	2.13	435.00
440.	2.15	2.27	-0.38	-0.37	0.16	2.16	440.00
445.	2.77	1.74	-0.46	0.77	-0.62	2.17	445.00
450.	2.52	2.54	-0.27	-0.10	0.09	2.04	450.00
455.	2.38	2.37	-0.04	-0.46	-0.03	2.01	455.00
460.	2.79	1.61	-0.00	-0.38	-0.35	2.03	460.00
465.	2.61	2.15	-0.07	-0.14	-0.46	2.06	465.00
470.	3.12	1.74	0.37	-0.64	-0.48	2.06	470.00

TIME	42	43	44	45	46	47	48
475.	3.28	1.62	0.68	-0.56	-0.32	2.07	475.00
480.	3.65	0.72	0.77	-0.05	-0.62	2.07	480.00
485.	2.56	2.97	-0.31	0.12	-0.93	2.02	485.00
490.	3.01	2.36	-0.30	0.35	-0.91	2.06	490.00
495.	2.63	1.86	0.05	-0.17	-0.26	2.01	495.00
500.	3.00	1.77	0.20	-0.19	-0.32	2.07	500.00
505.	2.62	2.21	-0.17	-0.62	-0.36	1.91	505.00
510.	2.21	1.98	0.02	0.26	-0.77	2.06	510.00
515.	2.04	2.29	0.01	-0.17	0.39	2.02	515.00
520.	2.46	1.61	0.25	-0.18	-0.30	2.08	520.00
525.	2.36	1.89	-0.17	0.05	-0.52	2.10	525.00
530.	2.98	2.04	0.05	-0.16	-0.72	2.01	530.00
535.	2.99	2.05	-0.24	-0.06	-0.24	2.04	535.00
540.	1.98	1.72	0.13	0.11	-0.48	2.01	540.00
545.	3.12	1.37	0.15	-0.17	-0.88	2.06	545.00
550.	3.58	2.07	-0.19	0.21	-0.42	2.00	550.00
555.	2.67	2.13	0.83	-0.37	-0.33	1.93	555.00
560.	2.56	2.52	-0.07	-0.62	-0.88	1.93	560.00
565.	3.22	1.79	0.15	0.10	-0.55	1.96	565.00
570.	2.77	1.87	-0.11	-0.08	-0.36	1.97	570.00
575.	3.82	1.73	-0.02	-0.08	-0.16	1.93	575.00
580.	3.04	2.35	-0.37	0.56	-0.74	1.89	580.00
585.	2.66	1.56	0.47	0.16	-0.97	1.88	585.00
590.	2.04	2.23	-0.10	0.28	-1.26	1.86	590.00
595.	3.62	2.04	-0.77	0.35	-0.29	1.85	595.00
600.	2.44	2.02	-0.39	0.32	-0.62	1.87	600.00
605.	2.86	1.89	0.09	-0.13	-0.56	1.85	605.00
610.	2.28	1.68	-0.41	0.17	-0.62	1.78	610.00
615.	2.04	2.18	0.26	-0.13	-1.01	1.88	615.00
620.	2.48	2.11	-0.21	0.09	-0.50	1.81	620.00
625.	3.12	1.36	0.07	0.07	-0.39	1.78	625.00
630.	2.64	1.64	0.30	-0.36	-0.52	1.76	630.00
635.	2.52	2.18	-0.03	0.17	-0.59	1.81	635.00
640.	3.16	1.51	0.23	-0.09	-0.75	1.82	640.00
645.	2.66	1.93	-0.16	0.43	-0.78	1.82	645.00
650.	2.12	2.11	-0.03	-0.33	-0.29	1.81	650.00
655.	2.44	1.79	0.01	-0.05	-0.81	1.71	655.00
660.	2.24	1.61	0.10	-0.02	-0.94	1.69	660.00
665.	2.84	1.37	0.17	-0.51	-1.03	1.72	665.00
670.	1.88	2.23	-0.33	-0.29	-0.48	1.55	670.00
675.	2.37	1.73	0.11	0.19	-0.52	1.53	675.00
680.	2.63	1.79	-0.22	0.26	-0.62	1.53	680.00
685.	1.29	2.23	0.19	-0.05	-0.77	1.51	685.00
690.	2.62	1.16	0.36	-0.19	-0.59	1.48	690.00
695.	2.10	1.85	0.22	0.05	-0.43	1.41	695.00
700.	1.84	2.11	-0.03	0.05	-0.42	1.37	700.00
705.	2.66	1.66	0.01	-0.36	-0.07	1.41	705.00
710.	1.62	2.33	0.02	-0.90	0.28	1.43	710.00
715.	3.06	1.47	-0.20	0.04	-0.75	1.34	715.00
720.	2.24	1.81	-0.40	-0.01	0.18	1.33	720.00

TIME	42	43	44	45	46	47	48
725.	1.79	1.60	-0.22	0.57	-1.39	1.37	725.00
730.	2.14	1.74	-0.02	-0.08	-0.56	1.34	730.00
735.	2.00	2.04	-0.39	-0.13	0.03	1.21	735.00
740.	1.72	1.41	0.12	-0.07	-0.32	1.25	740.00
745.	1.58	1.85	0.10	-0.11	-0.40	1.26	745.00
750.	1.74	1.60	0.21	-0.45	-0.36	1.24	750.00
755.	1.89	1.53	0.09	0.15	-0.72	1.22	755.00
760.	1.84	1.38	-0.23	0.18	-0.48	1.21	760.00
765.	1.61	1.38	0.45	-0.20	-0.52	1.18	765.00
770.	1.44	1.41	0.26	-0.09	-0.56	1.12	770.00
775.	1.67	1.54	-0.13	-0.11	-0.33	1.14	775.00
780.	1.51	1.52	0.20	0.17	-1.06	1.16	780.00
785.	1.85	1.69	-0.08	0.13	-0.74	1.12	785.00
790.	1.88	1.43	-0.20	-0.13	-0.69	1.16	790.00
795.	1.04	1.75	-0.07	-0.26	-0.81	1.14	795.00
800.	1.70	1.31	0.18	0.09	-0.64	1.08	800.00
805.	1.75	1.65	-0.28	-0.17	-0.81	0.93	805.00
810.	1.37	1.68	0.13	-0.01	-0.24	1.01	810.00
815.	1.37	1.20	0.29	-0.29	-0.55	1.12	815.00
820.	1.84	1.66	-0.39	0.02	-0.58	1.12	820.00
825.	1.64	1.60	0.15	-0.06	-0.78	1.08	825.00
830.	1.74	1.25	0.26	-0.29	-0.39	1.08	830.00
835.	1.18	1.45	0.09	0.04	-0.81	1.08	835.00
840.	1.62	1.44	-0.21	0.25	-0.62	1.07	840.00
845.	1.34	1.41	-0.24	0.33	-0.82	1.05	845.00
850.	1.18	1.13	0.13	0.23	-0.93	1.03	850.00
855.	1.78	1.01	-0.12	0.02	-0.49	1.02	855.00
860.	1.13	1.33	-0.16	0.15	-0.77	0.94	860.00
865.	1.35	1.24	-0.01	-0.32	-0.13	0.93	865.00
870.	1.64	1.45	-0.06	0.01	-0.69	0.92	870.00
875.	1.69	1.16	-0.37	0.19	-0.19	0.92	875.00
880.	1.03	1.80	-0.35	0.04	-0.36	0.91	880.00
885.	0.93	1.02	0.26	-0.04	-0.52	0.84	885.00
890.	1.10	1.23	-0.24	0.21	-0.94	0.87	890.00
895.	1.38	0.80	0.19	0.13	-0.85	0.85	895.00
900.	1.21	1.27	-0.21	0.25	-0.95	0.83	900.00
905.	1.09	1.20	0.39	-0.42	-0.32	0.74	905.00
910.	1.56	1.42	0.19	-0.45	-0.23	0.66	910.00
915.	1.34	0.99	0.24	-0.07	-0.32	0.68	915.00
920.	1.09	1.39	0.00	0.17	-0.72	0.70	920.00
925.	1.38	1.38	-0.09	-0.45	-0.49	0.67	925.00
930.	1.24	1.33	-0.30	0.09	-0.43	0.66	930.00

PRC5-W-2-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	23.22	21.88	21.72	21.85	21.45	21.38	20.67	24.47	23.82	23.72	23.55	23.40	23.13	22.70
0.	23.20	21.95	21.72	21.92	21.50	21.57	20.72	24.42	23.82	23.72	23.55	23.45	23.13	22.77
0.	23.30	21.97	21.70	21.80	21.57	21.40	20.70	24.42	23.85	23.70	23.50	23.45	23.15	22.72
0.	23.35	21.75	21.72	21.85	21.55	21.30	20.60	24.42	23.82	23.67	23.52	23.42	23.10	22.67
0.	23.42	21.85	21.75	21.77	21.77	21.15	20.38	24.50	23.80	23.72	23.55	23.42	23.07	22.72
0.	23.32	21.92	21.82	21.80	22.02	21.02	20.57	24.42	23.85	23.75	23.52	23.42	23.15	22.75
5.	23.47	22.02	21.15	21.05	20.97	20.65	20.52	25.07	26.25	25.88	25.25	23.87	23.47	23.05
10.	25.60	24.85	21.32	21.07	21.05	20.97	21.02	25.05	26.42	26.10	26.00	25.35	25.45	25.22
15.	27.20	24.95	21.25	21.15	21.30	21.10	20.80	25.20	27.92	26.72	26.38	25.67	25.80	25.47
20.	26.82	24.30	21.67	21.25	21.45	21.17	20.90	25.25	27.42	26.57	26.55	26.17	25.92	25.77
25.	28.05	26.27	21.70	21.32	20.97	21.00	20.82	25.47	28.40	27.42	27.17	26.72	26.65	26.17
30.	28.17	26.77	21.47	21.22	20.95	20.97	20.97	25.35	28.15	28.37	27.42	27.07	27.17	26.97
35.	27.52	26.52	21.72	21.22	21.17	21.07	20.95	25.38	28.22	28.27	27.70	27.42	27.65	27.20
40.	27.85	27.12	21.97	21.27	20.92	21.13	20.82	25.57	28.45	28.13	28.37	27.90	27.45	26.67
45.	28.42	27.30	22.22	21.35	21.25	20.95	20.82	25.77	28.92	28.42	28.42	27.85	27.15	26.52
50.	28.50	26.02	22.07	21.35	21.40	21.05	20.95	25.75	29.22	28.90	28.30	27.82	27.38	26.80
55.	28.70	25.77	22.22	21.35	21.42	20.67	20.27	25.65	29.52	29.10	29.17	28.50	27.60	27.07
60.	29.20	24.75	21.92	21.42	20.97	20.70	20.40	26.02	30.24	29.50	29.15	28.42	28.05	27.67
65.	29.35	27.95	22.30	21.47	21.27	20.87	20.25	26.20	30.37	29.75	29.20	28.72	28.37	27.90
70.	29.80	26.02	21.95	21.50	21.25	20.72	20.55	26.27	31.12	30.29	29.46	29.27	28.60	28.35
75.	28.70	25.85	21.88	21.38	21.60	20.87	20.57	26.45	31.41	30.80	30.12	29.80	30.10	29.02
80.	30.58	27.17	22.92	21.25	21.52	20.85	20.60	26.65	32.51	31.90	30.85	30.80	30.39	29.47
85.	31.17	24.77	22.07	21.27	21.40	20.95	20.60	26.92	33.58	33.24	31.24	30.46	30.95	30.15
90.	31.66	27.72	22.17	21.17	21.55	21.00	20.30	27.67	35.58	34.29	33.51	32.71	31.88	30.56
95.	34.90	28.45	22.07	21.22	21.55	21.00	20.38	28.37	37.10	35.05	34.10	33.54	33.02	32.17
100.	38.68	29.44	22.30	21.22	21.35	21.02	20.40	29.39	40.39	38.98	36.32	35.17	35.19	34.88
105.	40.49	36.66	21.92	21.25	21.52	21.05	20.60	30.19	44.58	41.15	40.29	39.93	37.90	37.65
110.	44.78	34.05	22.35	21.17	21.67	20.92	20.67	31.98	48.78	45.54	45.58	44.68	42.54	40.95
115.	50.80	39.29	21.88	21.30	21.63	20.72	20.70	35.46	55.68	48.95	47.49	46.22	45.44	43.61
120.	56.93	47.27	22.52	21.30	21.35	20.87	20.52	37.71	57.80	52.41	51.17	50.68	51.39	50.32
125.	60.38	49.22	21.70	21.40	21.42	20.85	20.87	40.73	63.55	62.50	62.55	59.22	54.66	54.32
130.	61.83	58.05	22.22	21.67	21.77	21.02	20.87	42.34	65.88	63.69	65.12	63.81	60.59	57.95
135.	71.49	64.71	22.45	22.02	21.80	21.05	20.80	45.49	80.64	78.10	76.00	72.34	63.81	62.67
140.	83.81	65.88	23.10	22.38	21.95	21.05	20.50	51.24	90.07	81.09	78.26	77.22	73.63	73.63
145.	89.98	69.90	23.05	22.42	22.15	21.15	20.45	54.78	96.07	93.21	91.95	87.59	83.57	81.81
150.	106.05	83.81	23.35	22.40	21.65	21.52	20.57	58.46	104.41	103.56	105.49	100.44	91.02	89.07
155.	108.12	84.79	23.02	22.52	22.00	21.07	20.38	61.40	115.02	114.93	116.37	102.76	93.12	91.95
160.	104.63	64.26	23.20	22.72	22.15	21.42	20.57	65.17	127.05	134.27	133.40	113.32	107.05	109.54
165.	128.73	64.90	23.05	22.85	22.02	21.55	20.47	72.41	141.17	136.67	136.38	126.17	117.61	116.12
170.	143.97	72.85	23.25	23.05	22.20	21.80	20.52	79.46	153.82	148.02	144.32	138.38	137.20	136.27
175.	156.75	73.39	22.97	23.07	21.60	21.92	20.20	83.17	164.10	161.10	157.25	148.22	145.77	139.60
180.	152.82	78.31	23.25	23.50	21.72	22.25	20.67	85.86	171.92	169.55	170.38	161.85	150.77	139.70
185.	179.00	114.39	24.70	23.75	21.88	22.30	20.75	95.12	191.57	180.77	183.75	179.77	172.57	159.17
190.	184.82	158.95	24.32	23.97	21.97	22.32	20.72	101.78	199.25	199.22	202.35	186.42	174.67	164.72
195.	201.93	140.92	24.88	24.07	21.88	22.22	20.80	108.78	216.22	200.66	202.60	201.67	193.15	173.88
200.	189.38	102.29	26.52	24.25	21.63	22.07	20.77	110.78	221.45	215.63	207.93	198.46	195.70	189.70
205.	215.12	111.17	27.17	24.42	21.75	21.22	20.82	115.80	229.30	218.25	207.19	202.75	201.29	193.42
210.	215.52	124.00	29.56	24.57	22.10	21.75	21.13	118.54	232.05	227.00	227.92	220.07	205.80	192.92
215.	222.75	168.57	31.68	24.25	22.55	22.40	21.25	124.83	233.22	233.50	227.55	222.10	208.12	196.87
220.	230.63	169.88	39.22	24.22	22.57	22.22	20.82	129.90	241.27	239.71	243.41	230.29	214.35	197.97

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	232.80	120.88	38.85	24.22	22.45	22.15	21.35	135.45	243.76	243.49	245.93	231.15	218.37	203.56
230.	235.37	137.32	38.83	24.52	21.47	23.17	21.65	141.13	257.56	242.83	247.49	244.78	228.07	203.15
235.	245.15	139.07	35.88	25.15	21.52	23.10	20.87	140.97	259.56	246.34	253.95	254.61	238.95	215.25
240.	237.73	156.52	48.12	25.40	21.70	23.00	21.25	141.75	259.93	251.27	254.29	246.83	234.00	219.67
245.	237.98	163.80	41.93	25.57	22.07	22.72	21.65	149.12	264.54	251.39	252.00	240.17	230.00	220.90
250.	252.66	182.30	41.88	25.50	23.60	21.77	21.07	149.40	263.27	257.95	254.66	246.37	246.05	224.67
255.	251.32	179.27	40.02	25.60	23.20	22.05	21.07	157.17	271.83	251.73	254.80	248.88	250.15	239.61
260.	256.46	189.82	54.02	25.60	24.27	22.72	20.97	160.45	275.10	257.56	260.58	247.46	232.56	223.52
265.	254.12	136.07	41.58	25.40	22.60	22.12	21.02	158.60	267.27	258.12	255.37	246.34	237.60	223.17
270.	248.19	163.02	52.12	25.27	22.90	23.40	21.60	163.50	272.66	259.98	258.83	255.46	251.17	233.63
275.	259.49	181.15	51.34	25.55	23.70	22.95	20.57	162.80	267.71	263.56	266.32	254.66	239.17	232.88
280.	257.07	182.90	51.32	25.50	23.05	22.97	20.75	164.13	263.49	257.34	263.19	259.90	249.37	229.70
285.	246.80	172.97	41.66	25.67	23.32	23.52	20.82	164.68	267.90	260.56	272.83	266.24	251.63	231.02
290.	264.02	169.97	40.54	25.67	26.05	23.00	21.55	168.85	272.63	263.90	269.66	263.85	248.46	231.30
295.	257.98	191.60	40.85	25.75	24.32	22.55	20.82	164.77	266.66	262.66	264.66	257.80	255.63	238.27
300.	256.24	176.60	36.37	25.97	23.37	21.92	20.67	166.63	263.22	259.80	266.05	257.98	252.61	245.37
305.	246.00	194.27	35.71	26.05	22.50	24.02	21.07	167.72	257.71	250.78	253.17	243.56	237.63	230.77
310.	257.56	198.32	42.85	26.30	23.67	23.65	21.15	169.30	262.56	252.19	254.61	248.17	241.37	226.77
315.	253.44	177.12	47.98	26.20	22.63	23.07	21.57	171.37	261.98	254.27	249.32	243.34	237.19	230.87
320.	246.19	90.33	43.22	25.97	25.52	23.97	21.13	173.00	257.95	252.00	264.39	254.15	237.68	223.65
325.	256.88	193.92	44.98	26.02	22.63	23.20	21.15	172.55	266.98	253.76	260.37	257.51	246.93	228.40
330.	255.46	143.88	38.95	26.57	22.88	23.20	21.35	173.82	262.41	253.19	258.95	255.19	243.37	231.46
335.	253.44	168.92	36.80	26.97	24.00	24.65	21.42	170.77	255.66	246.80	247.15	242.37	237.15	234.39
340.	249.34	214.32	33.02	27.10	23.25	23.47	21.10	172.97	255.22	251.10	255.90	253.32	244.66	236.58
345.	252.44	191.52	34.88	27.07	25.15	24.70	21.00	171.13	265.66	248.07	253.15	248.85	250.19	232.24
350.	248.66	187.92	36.19	27.90	24.05	25.17	21.50	173.17	260.51	252.88	256.17	247.54	235.98	227.02
355.	249.12	193.07	37.37	27.57	26.57	23.42	21.25	177.32	259.22	248.10	247.76	241.51	241.73	240.17
360.	232.68	193.40	41.34	27.35	25.85	23.05	21.27	174.88	249.95	243.29	245.88	247.39	254.90	232.85
365.	247.07	180.55	44.29	27.50	24.85	23.35	21.27	173.82	255.05	247.44	253.29	246.32	233.95	223.35
370.	235.07	154.97	48.41	27.20	23.65	23.27	21.30	177.07	249.32	243.90	246.39	243.24	238.34	234.80
375.	239.51	160.80	31.76	27.17	25.85	23.27	20.85	177.05	247.15	245.24	243.37	236.05	229.73	229.34
380.	243.68	193.07	49.85	26.57	26.88	24.52	22.40	173.47	258.00	249.12	254.32	248.90	237.60	227.32
385.	238.37	195.77	50.19	26.67	25.10	23.92	22.12	176.67	249.58	246.07	248.78	244.27	241.49	229.10
390.	239.22	168.22	31.10	26.77	26.75	22.22	22.00	178.37	250.24	244.66	244.88	239.54	239.49	230.68
395.	230.41	205.68	51.02	26.22	22.72	22.42	21.75	176.95	251.00	239.63	238.95	235.24	236.12	229.56
400.	238.76	179.45	49.05	26.07	24.50	22.95	21.30	177.62	252.73	241.02	245.15	240.95	232.00	222.70
405.	239.29	204.54	53.61	25.77	27.52	23.77	21.45	179.35	249.85	238.12	239.58	236.00	234.61	235.41
410.	232.68	183.60	38.17	27.52	25.97	23.10	22.25	177.97	248.85	235.41	237.98	232.73	230.49	232.02
415.	237.22	158.22	49.44	26.85	26.52	23.22	21.70	177.22	244.95	238.29	238.10	236.78	230.61	229.82
420.	249.22	185.57	34.95	26.25	26.55	23.27	21.32	178.47	246.32	237.24	235.61	233.58	231.19	224.35
425.	232.56	162.35	31.83	26.47	26.27	23.60	21.35	179.17	237.98	233.02	234.49	231.76	234.12	228.61
430.	227.45	174.95	45.19	27.05	26.38	25.02	21.77	176.35	231.71	228.95	228.63	227.52	225.42	220.65
435.	233.42	189.02	38.37	26.67	26.42	23.67	21.68	176.55	233.46	231.05	231.32	229.02	229.80	228.90
440.	228.76	200.05	35.73	26.32	26.00	23.30	22.12	175.55	236.80	231.39	230.02	232.52	230.42	225.55
445.	233.20	188.67	41.73	26.30	24.70	24.00	22.35	176.70	240.76	229.00	232.02	228.32	230.20	232.72
450.	232.37	183.92	41.63	26.65	23.65	25.38	22.85	176.90	235.49	231.39	229.17	229.15	230.72	231.47
455.	229.61	195.80	39.39	26.92	23.02	24.85	22.55	173.35	239.34	232.80	233.02	232.75	228.63	228.45
460.	203.88	150.88	46.51	27.39	23.47	23.57	22.02	177.80	233.63	229.55	230.63	227.97	230.52	227.45
465.	229.32	180.57	36.73	26.85	27.30	22.82	21.82	179.32	235.76	232.02	227.95	230.02	230.97	221.72
470.	230.75	191.20	35.73	26.40	27.15	22.60	21.75	176.20	230.63	229.37	232.27	225.57	221.52	223.12

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	231.41	181.95	38.24	26.22	27.77	22.27	21.88	177.65	230.02	228.73	233.35	230.57	231.17	225.60
480.	225.95	148.27	29.29	26.07	26.77	23.00	21.65	178.02	236.15	232.12	230.25	230.42	233.17	223.00
485.	233.02	185.32	54.66	26.50	27.15	23.02	21.52	176.70	228.12	232.20	232.88	230.02	224.67	218.92
490.	214.00	176.82	39.95	26.32	27.38	23.55	21.80	177.00	229.66	230.92	229.90	223.82	220.02	222.85
495.	230.42	183.95	32.46	26.35	27.38	23.87	20.77	176.13	229.17	226.05	228.25	223.15	219.92	219.20
500.	228.85	187.70	41.68	26.05	25.22	25.05	21.55	175.65	232.77	231.47	227.02	225.65	224.45	225.02
505.	221.22	188.15	44.88	26.38	26.75	26.02	21.50	176.52	232.95	233.35	229.17	232.10	228.85	217.05
510.	229.63	178.32	37.39	26.95	25.10	25.60	21.20	175.60	228.73	229.35	229.80	230.22	228.20	224.92
515.	226.75	177.27	49.39	27.63	26.22	23.00	21.65	179.15	232.56	230.29	232.10	225.82	219.92	218.20
520.	223.55	180.17	38.58	27.67	27.07	24.45	21.60	176.97	230.55	229.00	228.72	225.00	225.92	219.38
525.	218.40	163.65	49.83	27.67	27.40	24.07	22.20	180.90	236.78	229.44	231.22	230.65	228.15	223.05
530.	226.90	142.12	34.58	27.55	27.17	23.02	21.75	180.07	240.80	231.49	233.00	229.05	221.80	217.70
535.	228.15	173.95	46.02	27.12	27.63	22.52	21.40	178.45	231.71	229.85	231.20	227.57	227.92	228.12
540.	223.92	182.10	42.88	27.05	29.35	22.38	21.30	181.32	231.61	229.72	227.93	228.50	223.63	216.42
545.	222.40	177.77	39.19	27.27	29.40	23.20	21.35	177.70	229.85	225.95	225.77	223.00	220.45	216.90
550.	224.07	170.02	57.78	27.07	25.77	23.05	21.15	176.85	230.92	228.77	230.38	224.32	215.82	214.35
555.	218.37	154.20	58.38	26.92	28.20	23.10	21.55	175.10	230.87	229.30	231.42	223.65	207.80	205.44
560.	204.41	186.45	38.37	26.72	27.27	23.87	21.70	176.95	231.15	229.32	228.60	226.55	222.72	219.47
565.	202.22	134.97	48.34	26.90	24.85	23.22	21.30	175.60	230.38	223.97	220.30	217.90	207.98	207.44
570.	221.27	150.17	53.44	26.67	25.30	23.90	21.38	175.50	227.75	226.12	228.87	222.77	214.10	214.40
575.	200.54	152.27	59.05	26.52	24.70	22.97	21.42	178.55	232.20	221.00	224.10	220.00	219.00	206.24
580.	221.15	135.77	42.98	26.45	27.50	22.72	21.97	177.20	228.50	222.77	226.92	222.55	217.82	202.35
585.	216.35	154.17	51.34	26.50	25.85	25.13	22.22	176.42	230.02	219.42	222.27	220.45	221.27	215.02
590.	202.32	168.50	52.44	26.72	28.17	23.47	22.20	174.05	230.20	218.65	220.05	216.57	216.63	206.29
595.	201.76	162.42	35.29	27.07	23.70	22.92	21.22	172.20	226.22	219.77	221.13	219.35	219.72	217.42
600.	215.17	162.85	41.10	27.30	27.30	22.85	21.88	175.87	224.35	216.92	220.60	216.07	214.60	215.30
605.	207.44	169.32	42.00	26.85	26.75	24.30	22.17	172.35	225.85	218.63	217.50	214.72	201.15	199.66
610.	199.00	129.93	55.63	27.45	24.32	25.72	21.80	173.90	219.15	208.29	215.60	208.12	204.63	202.85
615.	203.10	135.82	54.90	27.17	25.52	24.55	21.22	171.60	214.88	206.07	207.37	203.90	200.61	198.38
620.	203.22	145.60	44.68	27.05	27.17	23.35	21.20	171.17	219.72	203.29	203.41	198.98	196.95	194.65
625.	198.44	136.42	40.15	26.77	25.50	23.75	21.35	169.62	216.85	200.88	202.37	199.58	197.35	190.57
630.	196.07	152.55	53.10	26.42	26.07	24.42	21.13	166.50	214.50	200.29	202.61	201.90	201.49	201.72
635.	198.34	183.72	47.90	26.27	27.22	23.10	21.07	165.20	214.22	201.32	200.24	203.10	202.07	197.72
640.	200.70	162.92	40.37	26.02	27.42	23.65	21.20	165.20	203.73	199.51	201.54	200.27	195.52	193.77
645.	196.00	149.60	29.61	25.85	27.07	24.52	21.55	164.10	199.44	200.40	201.77	199.20	200.70	197.30
650.	192.65	153.70	44.02	26.82	23.87	25.10	22.72	163.80	200.30	198.67	197.65	194.42	195.55	187.90
655.	193.50	142.97	38.71	27.10	25.13	25.52	21.40	163.95	201.75	201.88	200.45	196.17	192.50	191.42
660.	188.52	173.40	63.12	26.82	26.38	24.07	21.90	161.02	198.32	195.32	195.22	191.80	188.45	181.85
665.	190.17	143.27	54.32	26.00	27.80	22.82	21.75	159.55	194.38	191.55	192.42	189.70	185.15	180.42
670.	184.22	133.35	47.58	25.55	27.05	22.90	20.92	158.85	194.40	190.63	188.57	186.87	181.45	174.55
675.	182.57	147.12	29.85	25.15	26.30	22.88	21.87	158.62	192.15	187.38	186.22	184.90	181.82	181.50
680.	173.07	149.90	32.44	25.30	26.95	23.15	21.42	158.07	186.97	185.00	185.17	183.42	181.63	172.72
685.	182.92	157.70	29.68	25.40	26.60	23.00	21.13	155.72	186.30	182.22	183.35	182.15	179.15	177.38
690.	178.10	142.52	34.73	26.42	24.30	25.38	21.50	154.85	182.55	181.05	178.85	176.40	172.62	170.87
695.	173.05	133.45	49.63	26.72	26.55	23.07	21.77	154.70	182.52	179.35	179.95	177.00	172.55	172.65
700.	178.20	139.60	47.32	26.77	26.95	23.10	21.85	153.52	183.90	180.32	179.27	177.00	173.22	170.82
705.	171.42	143.12	39.63	26.27	26.30	23.15	21.85	153.15	178.22	176.30	174.72	172.92	169.65	168.37
710.	175.55	129.37	53.49	26.45	27.02	22.47	21.60	150.80	176.15	174.13	175.13	172.72	166.85	167.17
715.	171.57	109.98	37.07	27.55	26.52	23.13	21.63	150.40	175.20	172.35	173.17	171.92	168.37	166.72
720.	168.02	95.14	40.12	25.97	27.07	22.82	21.13	149.67	171.35	170.57	168.47	167.82	163.45	160.82

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	162.27	136.77	41.17	26.22	26.77	23.70	21.22	148.45	168.50	167.20	167.60	166.20	164.20	163.32
730.	156.15	112.29	27.42	25.67	26.72	23.47	21.17	146.75	165.72	163.50	163.52	163.42	163.90	163.37
735.	157.90	119.56	37.66	25.60	26.13	24.10	21.30	145.25	161.92	161.52	162.27	162.00	159.90	154.32
740.	157.50	115.63	47.88	26.32	24.25	24.75	21.30	144.50	159.67	160.12	160.25	159.70	156.05	155.25
745.	154.70	109.17	36.10	27.17	25.10	23.27	20.97	142.88	157.60	155.10	157.70	157.25	155.57	155.57
750.	149.35	120.93	36.80	27.30	24.67	24.92	21.60	141.52	156.47	154.40	153.97	153.60	151.10	150.97
755.	145.25	89.02	55.34	28.35	24.75	24.60	21.40	141.07	154.75	154.20	153.63	153.00	149.65	150.30
760.	146.12	127.61	52.46	26.92	25.55	24.17	21.32	140.15	153.38	152.57	152.07	152.40	149.50	147.50
765.	144.15	94.67	49.54	27.02	25.65	24.55	21.38	140.20	152.90	153.00	152.80	152.02	147.82	148.00
770.	147.47	127.05	48.66	28.55	26.70	24.88	21.80	138.55	153.72	151.63	148.80	146.85	145.22	146.02
775.	144.45	102.46	31.78	26.85	26.30	23.47	22.40	137.57	152.05	150.82	149.45	149.35	144.60	142.00
780.	138.45	114.73	40.88	25.97	26.25	23.52	20.92	136.22	148.00	147.10	145.38	145.63	141.65	143.60
785.	133.45	96.26	46.83	25.00	26.45	23.37	20.85	134.35	139.22	139.97	139.70	140.15	136.05	139.35
790.	126.02	120.46	54.56	24.77	26.40	23.13	21.22	129.29	135.20	135.40	136.80	137.10	133.37	134.57
795.	124.22	110.51	58.07	24.72	28.35	23.00	20.85	128.02	129.32	133.30	133.47	134.27	126.83	127.34
800.	122.88	117.12	58.29	24.97	28.85	23.60	20.95	126.71	125.46	126.93	128.41	128.49	125.39	124.78
805.	117.51	108.10	28.75	25.10	26.20	23.00	20.92	125.51	121.78	122.15	125.29	124.68	121.29	122.39
810.	118.05	109.19	42.00	25.05	27.32	22.90	20.90	124.24	119.80	121.46	122.46	122.95	120.15	121.49
815.	115.00	79.09	29.88	24.50	23.60	23.25	20.87	123.56	121.71	121.49	121.32	121.07	118.22	118.34
820.	118.22	97.38	35.71	24.88	22.72	24.52	21.65	122.76	120.46	118.41	119.39	120.63	116.22	116.73
825.	112.49	109.10	47.44	25.45	22.82	22.60	21.63	121.73	116.66	117.15	117.22	117.34	114.39	116.17
830.	108.32	94.95	36.76	25.57	24.45	22.75	21.13	120.61	112.73	112.98	114.71	116.19	111.80	112.68
835.	110.19	107.44	44.12	25.25	25.72	23.22	20.97	119.85	113.46	114.05	113.22	113.29	110.32	111.54
840.	108.98	95.71	37.88	25.42	26.57	23.47	21.38	119.41	114.07	111.88	112.44	112.85	109.80	111.71
845.	106.93	92.38	43.07	26.20	26.57	23.70	20.87	118.90	113.32	113.02	112.51	112.27	110.56	111.54
850.	107.27	81.12	29.77	25.47	26.32	22.42	20.80	118.32	112.41	113.54	110.27	112.19	109.39	110.61
855.	104.66	91.36	29.56	25.07	25.77	22.17	20.95	118.17	111.08	111.76	110.27	111.54	107.44	108.98
860.	103.93	71.15	37.46	24.90	24.63	22.52	20.85	117.56	109.37	109.19	107.88	109.44	106.54	107.49
865.	102.32	94.45	48.22	25.00	25.55	22.95	20.77	116.95	109.32	108.02	107.46	109.24	104.29	105.51
870.	103.39	95.69	47.76	24.67	25.60	22.72	20.82	116.15	107.02	105.32	105.27	107.46	103.63	105.32
875.	101.54	85.50	44.29	24.38	26.50	22.22	20.75	115.83	107.95	104.05	105.63	106.90	103.39	105.44
880.	97.48	85.45	48.46	24.70	25.52	22.42	21.15	115.76	107.10	104.44	105.24	105.90	102.46	103.34
885.	101.80	87.33	32.49	24.60	26.05	23.57	21.13	115.37	106.56	106.63	104.56	105.73	101.63	102.24
890.	100.15	86.07	48.22	25.47	24.82	23.57	21.65	114.61	105.27	107.27	104.90	106.02	101.66	101.71
895.	94.24	83.71	39.80	25.77	24.77	23.80	21.50	114.07	104.34	104.51	104.41	104.95	96.48	100.49
900.	91.93	91.95	32.63	26.38	24.30	23.02	21.13	114.34	103.02	103.68	101.15	102.68	96.12	96.95
905.	93.69	82.26	39.76	25.42	25.72	22.65	20.85	113.66	102.61	103.93	101.71	103.63	97.05	100.71
910.	93.17	79.57	40.54	24.75	25.40	23.95	20.90	113.73	103.07	104.02	100.88	102.73	97.00	96.26
915.	92.74	76.73	36.02	24.72	25.47	23.47	21.30	112.95	101.71	102.32	96.71	97.17	93.52	95.95
920.	92.48	85.67	39.98	24.65	24.88	24.38	21.00	112.93	97.36	100.12	96.05	100.49	93.40	94.00
925.	91.38	77.95	35.02	24.55	25.30	23.55	20.87	112.29	100.24	96.21	95.93	101.17	93.43	95.55
930.	85.90	78.09	40.17	24.72	25.17	23.52	20.75	112.15	100.34	100.76	96.40	96.12	92.02	95.05
935.	87.05	72.95	41.46	24.57	24.72	22.77	21.80	111.49	94.93	96.88	93.29	92.38	90.14	93.12
940.	85.02	70.54	46.15	24.22	25.60	22.92	21.17	110.85	93.33	94.09	92.71	92.07	87.40	84.05
945.	82.31	71.80	33.05	24.20	25.35	23.77	20.60	110.61	93.02	93.76	92.09	94.07	83.57	82.67
950.	86.29	71.78	38.88	24.50	24.45	23.80	20.97	109.93	93.98	92.29	88.48	91.12	83.50	82.90
955.	85.62	76.41	32.78	24.92	24.70	23.32	21.42	110.22	93.71	92.36	88.81	89.21	83.26	83.64
960.	82.17	70.24	34.12	25.72	24.13	22.80	21.15	109.85	91.83	92.57	87.95	87.55	82.64	84.98
965.	84.98	72.17	40.46	25.22	25.42	23.55	20.82	108.90	90.57	91.21	89.57	89.43	85.29	86.38
970.	83.81	67.38	44.58	25.05	25.42	23.45	20.95	108.58	89.81	91.55	87.69	85.95	81.67	84.38

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	22.30	21.95	21.95	21.82	21.70	21.60	21.32	21.45	21.32	22.10	24.13	0.00	0.00	0.00
0.	22.27	21.95	21.90	21.80	21.65	21.57	21.32	21.38	21.32	22.10	24.10	0.00	0.00	0.00
0.	22.27	21.92	21.95	21.77	21.60	21.50	21.30	21.42	21.27	22.07	24.15	0.00	0.00	0.00
0.	22.22	21.95	22.02	21.82	21.60	21.52	21.32	21.40	21.35	22.12	24.13	0.00	0.00	0.00
0.	22.25	21.97	21.95	21.75	21.57	21.60	21.25	21.30	21.30	22.15	24.17	0.00	0.00	0.00
0.	22.32	22.02	21.95	21.80	21.57	21.60	21.25	21.32	21.27	22.07	24.15	0.00	0.00	0.00
5.	22.70	22.25	21.77	21.47	21.32	21.30	20.97	21.02	20.95	22.00	24.30	0.00	0.00	0.00
10.	23.25	22.85	22.40	21.75	21.52	21.45	21.13	21.10	20.97	22.05	24.47	0.00	0.00	0.00
15.	24.30	23.77	22.97	22.22	21.75	21.57	21.13	21.25	21.00	22.15	24.55	0.00	0.00	0.00
20.	25.32	24.50	23.75	22.27	21.72	21.55	21.15	21.17	21.13	22.20	24.65	0.00	0.00	0.00
25.	25.90	25.38	23.50	22.12	21.60	21.50	21.13	21.20	21.13	22.20	24.80	0.00	0.00	0.00
30.	26.45	25.35	23.82	22.27	21.63	21.47	21.17	21.15	21.05	22.20	24.85	0.00	0.00	0.00
35.	26.20	25.35	23.75	22.45	21.63	21.55	21.25	21.20	21.02	22.27	24.92	0.00	0.00	0.00
40.	26.05	24.95	23.55	22.32	21.72	21.63	21.35	21.32	21.05	22.32	24.97	0.00	0.00	0.00
45.	25.82	25.27	23.22	22.42	21.88	21.75	21.42	21.38	21.07	22.42	25.00	0.00	0.00	0.00
50.	26.13	25.07	23.67	22.50	21.92	21.77	21.40	21.45	21.13	22.47	25.07	0.00	0.00	0.00
55.	26.47	24.92	23.13	22.07	21.70	21.70	21.35	21.45	21.13	22.52	25.10	0.00	0.00	0.00
60.	27.07	25.02	22.72	22.07	21.70	21.67	21.32	21.38	21.15	22.55	25.20	0.00	0.00	0.00
65.	27.40	25.47	22.47	21.97	21.65	21.72	21.45	21.40	21.20	22.60	25.32	0.00	0.00	0.00
70.	27.65	24.88	22.32	21.92	21.63	21.63	21.40	21.50	21.20	22.67	25.40	0.00	0.00	0.00
75.	28.20	25.80	22.38	21.92	21.57	21.67	21.25	21.45	21.15	22.63	25.57	0.00	0.00	0.00
80.	29.10	26.40	22.50	22.02	21.75	21.77	21.27	21.38	21.25	22.72	25.60	0.00	0.00	0.00
85.	29.85	26.50	22.77	22.15	21.82	21.82	21.42	21.57	21.22	22.90	25.90	0.00	0.00	0.00
90.	30.07	25.40	22.88	22.22	21.95	21.90	21.38	21.60	21.25	23.07	25.92	0.00	0.00	0.00
95.	31.85	26.35	23.10	22.47	21.70	21.95	21.45	21.63	21.35	23.32	26.38	0.00	0.00	0.00
100.	35.17	25.67	23.42	22.52	21.88	21.97	21.65	21.75	21.42	23.65	26.95	0.00	0.00	0.00
105.	37.98	29.85	23.45	22.72	22.12	22.30	21.77	21.92	21.57	24.15	27.77	0.00	0.00	0.00
110.	40.12	31.66	24.10	23.13	22.63	22.65	21.95	22.15	21.55	24.72	28.55	0.00	0.00	0.00
115.	43.93	30.02	24.77	23.00	22.90	23.52	22.35	22.35	21.77	25.55	29.52	0.00	0.00	0.00
120.	50.51	32.12	25.02	23.42	23.70	24.00	22.67	22.47	21.68	26.65	30.12	0.00	0.00	0.00
125.	54.54	34.98	25.20	23.92	23.55	24.42	22.88	22.88	22.02	27.70	30.85	0.00	0.00	0.00
130.	55.83	36.80	25.77	24.32	23.97	24.75	23.22	23.52	22.32	28.95	32.05	0.00	0.00	0.00
135.	62.59	41.32	28.63	24.77	24.38	24.82	23.35	23.72	22.63	29.95	34.32	0.00	0.00	0.00
140.	72.41	49.78	29.85	25.52	26.55	26.07	23.77	24.47	22.82	31.98	36.39	0.00	0.00	0.00
145.	80.33	53.68	29.55	26.47	26.25	25.22	24.57	25.50	23.47	33.78	39.76	0.00	0.00	0.00
150.	85.24	53.34	30.22	27.35	26.60	26.95	24.97	26.02	23.87	36.37	42.41	0.00	0.00	0.00
155.	88.50	55.24	31.78	28.85	27.50	27.65	25.55	26.67	24.15	38.63	44.95	0.00	0.00	0.00
160.	97.40	63.90	32.88	29.55	28.07	28.80	27.05	27.08	24.62	40.24	47.03	0.00	0.00	0.00
165.	103.00	63.57	34.95	30.07	29.47	29.68	27.40	29.32	25.55	42.44	50.56	0.00	0.00	0.00
170.	128.54	63.14	39.00	30.85	30.32	30.41	27.95	28.70	25.67	44.95	55.10	0.00	0.00	0.00
175.	128.39	76.95	42.05	32.19	30.46	30.10	27.60	29.05	26.25	48.05	58.19	0.00	0.00	0.00
180.	144.97	83.57	44.05	36.44	33.19	32.24	28.70	29.39	26.92	50.19	60.55	0.00	0.00	0.00
185.	146.72	84.12	49.51	37.66	34.22	33.34	29.47	31.44	27.45	53.85	64.90	0.00	0.00	0.00
190.	150.65	92.00	50.76	36.46	34.68	34.19	29.58	31.78	28.20	58.66	72.80	0.00	0.00	0.00
195.	162.47	97.29	52.68	40.54	36.78	35.73	30.68	31.88	28.65	61.48	77.49	0.00	0.00	0.00
200.	176.52	100.29	50.32	41.90	41.05	35.93	30.61	33.32	29.51	64.33	78.59	0.00	0.00	0.00
205.	168.75	102.80	55.24	41.15	39.29	35.85	32.61	35.90	29.92	69.78	82.14	0.00	0.00	0.00
210.	178.72	103.29	56.76	44.32	40.54	38.15	32.58	34.63	29.98	73.58	86.48	0.00	0.00	0.00
215.	182.22	114.85	61.19	45.83	39.54	40.44	34.29	35.29	31.39	75.83	90.48	0.00	0.00	0.00
220.	180.15	138.35	72.73	49.46	41.54	40.68	34.32	38.56	32.44	78.63	92.43	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	181.22	140.22	74.19	49.80	42.83	41.63	35.63	36.56	32.83	78.67	100.95	0.00	0.00	0.00
230.	188.10	144.92	85.09	55.00	45.00	40.34	35.34	39.34	34.00	81.88	104.83	0.00	0.00	0.00
235.	194.45	154.75	81.71	55.12	50.24	45.56	36.80	37.63	32.98	85.40	106.85	0.00	0.00	0.00
240.	198.58	159.15	80.33	52.15	46.66	44.93	37.34	39.19	33.46	89.17	110.19	0.00	0.00	0.00
245.	194.07	165.55	79.48	57.39	43.93	42.98	38.17	40.73	34.41	92.45	113.71	0.00	0.00	0.00
250.	198.56	169.20	88.62	56.29	46.19	45.17	37.39	40.02	35.10	91.26	115.85	0.00	0.00	0.00
255.	199.63	163.82	95.62	58.49	48.29	46.78	36.90	40.51	33.90	94.19	118.93	0.00	0.00	0.00
260.	214.67	149.37	85.33	63.31	49.41	45.93	38.00	44.90	34.61	94.62	121.56	0.00	0.00	0.00
265.	198.90	173.57	92.62	56.10	47.07	45.24	37.83	41.54	35.78	97.14	123.51	0.00	0.00	0.00
270.	207.17	172.32	80.95	56.12	46.17	46.39	41.51	44.41	35.93	103.02	123.05	0.00	0.00	0.00
275.	204.63	163.75	79.69	60.31	48.88	47.22	44.24	45.44	36.15	103.95	122.98	0.00	0.00	0.00
280.	201.39	161.72	94.12	62.21	51.15	47.12	41.44	44.44	35.54	104.32	126.12	0.00	0.00	0.00
285.	199.80	162.17	90.57	62.79	50.41	47.63	41.10	44.19	36.15	105.17	127.15	0.00	0.00	0.00
290.	214.85	161.45	86.59	61.93	48.73	48.07	40.41	42.83	37.49	105.71	133.70	0.00	0.00	0.00
295.	202.41	160.95	88.48	61.67	50.58	47.07	40.63	44.83	38.02	107.76	129.88	0.00	0.00	0.00
300.	218.17	169.47	92.40	67.64	48.41	46.05	39.90	49.10	37.05	109.80	129.29	0.00	0.00	0.00
305.	265.24	154.45	89.36	64.05	50.32	47.07	40.05	45.19	37.02	106.27	135.42	0.00	0.00	0.00
310.	214.70	155.65	92.12	63.36	49.00	49.44	42.54	46.90	37.37	107.88	134.62	0.00	0.00	0.00
315.	202.42	165.72	89.14	65.67	50.98	50.63	43.24	47.05	38.51	110.98	135.38	0.00	0.00	0.00
320.	197.38	152.47	91.76	63.57	49.73	47.71	40.15	43.07	37.76	109.73	137.77	0.00	0.00	0.00
325.	204.37	158.67	95.69	65.57	57.54	51.90	41.46	45.66	38.22	111.37	139.07	0.00	0.00	0.00
330.	207.44	149.75	90.36	64.09	48.63	50.95	43.93	46.32	38.83	110.88	138.38	0.00	0.00	0.00
335.	228.15	170.90	93.43	66.88	52.66	50.19	42.76	49.56	38.05	113.02	137.95	0.00	0.00	0.00
340.	215.92	158.17	84.52	70.00	53.95	50.24	41.29	47.80	39.49	114.34	138.52	0.00	0.00	0.00
345.	200.90	151.47	87.05	69.78	55.83	51.56	41.46	44.66	38.29	112.17	139.82	0.00	0.00	0.00
350.	203.22	146.67	95.74	76.95	48.34	49.90	46.63	49.02	39.54	112.95	139.57	0.00	0.00	0.00
355.	227.50	168.35	91.48	74.85	54.90	51.15	43.51	46.54	38.41	113.02	141.25	0.00	0.00	0.00
360.	198.78	151.02	96.02	76.10	53.54	48.63	42.12	45.46	39.44	115.05	141.55	0.00	0.00	0.00
365.	201.00	136.57	101.24	78.58	53.17	52.22	43.56	47.46	39.05	115.66	140.72	0.00	0.00	0.00
370.	206.85	162.42	104.93	76.12	56.56	49.54	42.80	45.78	38.17	115.66	142.88	0.00	0.00	0.00
375.	213.82	160.15	111.46	72.32	54.19	51.58	41.44	43.90	38.63	113.17	143.45	0.00	0.00	0.00
380.	191.35	151.85	110.54	73.44	50.95	50.41	42.34	44.85	38.85	114.29	145.22	0.00	0.00	0.00
385.	218.50	154.35	102.66	72.90	57.85	50.54	41.07	44.61	38.49	114.63	145.50	0.00	0.00	0.00
390.	215.77	159.97	108.34	77.67	53.95	50.58	41.54	45.27	38.60	113.27	144.45	0.00	0.00	0.00
395.	204.07	168.45	102.07	73.34	53.34	50.19	42.15	45.34	39.24	114.34	143.97	0.00	0.00	0.00
400.	200.92	158.62	101.22	76.51	55.10	52.66	44.02	47.76	38.73	116.34	145.97	0.00	0.00	0.00
405.	200.32	170.30	103.61	72.56	56.22	50.93	43.83	49.27	40.17	117.44	145.05	0.00	0.00	0.00
410.	205.05	161.65	116.51	75.41	61.09	52.37	42.63	48.32	38.63	118.05	145.63	0.00	0.00	0.00
415.	202.38	166.77	121.58	80.05	51.95	49.73	43.54	47.37	39.02	119.83	145.95	0.00	0.00	0.00
420.	201.60	158.05	111.51	79.74	56.71	53.12	43.58	47.17	40.05	118.58	143.90	0.00	0.00	0.00
425.	215.77	154.20	107.49	78.22	67.12	51.78	43.66	44.22	38.66	117.66	144.02	0.00	0.00	0.00
430.	199.00	170.22	121.27	79.48	58.15	52.83	45.44	46.78	39.29	118.58	143.90	0.00	0.00	0.00
435.	215.88	165.35	110.98	77.90	59.48	58.67	45.24	46.22	39.17	116.56	144.27	0.00	0.00	0.00
440.	204.02	164.00	100.41	78.44	61.45	57.68	44.93	45.05	38.51	117.95	143.92	0.00	0.00	0.00
445.	219.07	153.55	105.73	79.86	63.12	60.12	45.17	44.41	39.12	116.85	144.02	0.00	0.00	0.00
450.	223.12	147.45	95.55	73.19	60.40	62.48	47.32	45.66	38.19	118.58	144.47	0.00	0.00	0.00
455.	196.13	148.27	91.43	74.71	63.17	57.22	45.07	44.22	38.66	114.54	144.38	0.00	0.00	0.00
460.	191.02	154.72	104.34	76.83	58.93	54.44	46.07	45.56	39.58	117.61	145.17	0.00	0.00	0.00
465.	188.17	152.02	104.90	78.69	60.90	57.76	47.34	46.85	39.07	117.29	146.02	0.00	0.00	0.00
470.	205.32	160.05	102.07	77.83	58.12	52.51	44.05	47.12	39.78	118.63	146.80	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	199.44	154.30	102.02	80.93	64.26	58.88	43.46	45.44	39.24	118.32	146.15	0.00	0.00	0.00
480.	216.15	159.75	104.37	74.95	58.38	60.62	45.49	46.93	39.39	119.05	145.75	0.00	0.00	0.00
485.	204.00	156.13	109.19	79.19	54.73	52.49	42.41	46.46	38.88	117.15	146.27	0.00	0.00	0.00
490.	205.46	158.25	114.93	78.86	57.12	55.46	45.76	49.00	39.51	118.71	145.63	0.00	0.00	0.00
495.	207.63	166.70	123.98	79.41	58.71	57.76	43.66	46.34	39.71	118.61	145.55	0.00	0.00	0.00
500.	216.40	154.92	108.68	81.55	60.93	57.07	44.83	47.78	40.51	119.41	145.55	0.00	0.00	0.00
505.	198.68	154.15	105.19	78.09	63.24	57.56	44.61	48.78	41.05	119.24	145.82	0.00	0.00	0.00
510.	214.35	155.72	104.05	81.12	65.29	58.80	44.78	46.24	39.68	117.54	145.55	0.00	0.00	0.00
515.	203.34	161.95	111.00	85.52	65.55	62.19	49.27	46.15	40.05	117.90	147.55	0.00	0.00	0.00
520.	205.34	151.15	105.98	80.95	60.59	65.50	49.10	46.63	38.78	119.66	149.02	0.00	0.00	0.00
525.	200.22	154.02	102.15	77.83	65.12	59.22	46.44	45.73	39.24	118.41	150.02	0.00	0.00	0.00
530.	203.76	145.92	100.49	78.31	61.14	64.64	50.51	47.71	39.07	120.22	150.72	0.00	0.00	0.00
535.	202.25	151.72	102.98	80.64	63.17	64.52	48.34	47.17	39.27	118.56	150.02	0.00	0.00	0.00
540.	200.39	167.30	113.61	84.29	61.62	58.36	44.46	48.66	39.07	119.98	149.52	0.00	0.00	0.00
545.	195.57	148.15	113.54	80.55	58.45	53.49	46.54	48.34	39.95	118.58	149.00	0.00	0.00	0.00
550.	197.57	159.62	113.61	77.90	56.66	55.29	43.49	48.34	40.66	121.56	148.65	0.00	0.00	0.00
555.	197.22	157.27	115.85	82.55	54.73	52.12	45.44	49.66	40.71	123.02	147.75	0.00	0.00	0.00
560.	197.65	154.85	118.63	85.40	58.43	57.68	43.51	46.12	40.27	123.95	147.77	0.00	0.00	0.00
565.	202.05	165.57	107.85	80.55	62.79	52.90	45.22	48.83	39.54	122.29	148.40	0.00	0.00	0.00
570.	188.60	149.37	107.12	82.62	62.09	55.46	43.93	47.66	39.83	123.73	148.65	0.00	0.00	0.00
575.	187.00	155.10	122.00	81.83	57.19	51.56	43.15	50.83	40.34	120.22	150.15	0.00	0.00	0.00
580.	180.30	156.77	123.27	84.71	59.86	52.68	45.27	53.44	41.56	119.37	149.47	0.00	0.00	0.00
585.	181.77	151.27	110.15	85.86	60.71	53.71	43.22	50.05	40.58	120.10	149.72	0.00	0.00	0.00
590.	185.10	154.70	119.68	85.14	58.55	54.22	46.54	51.02	41.41	120.68	148.85	0.00	0.00	0.00
595.	179.07	146.27	110.73	78.78	62.12	58.05	46.37	48.88	41.02	122.07	147.97	0.00	0.00	0.00
600.	192.75	154.95	116.44	81.07	56.44	55.61	46.80	49.76	40.80	122.44	147.75	0.00	0.00	0.00
605.	186.95	157.85	118.07	79.74	58.62	55.12	44.02	47.61	40.56	120.29	147.82	0.00	0.00	0.00
610.	173.70	147.30	110.10	85.02	64.62	53.90	44.32	45.80	40.41	121.24	147.67	0.00	0.00	0.00
615.	178.80	160.87	113.58	86.90	58.56	51.68	44.46	47.37	41.68	118.37	147.80	0.00	0.00	0.00
620.	183.57	165.70	125.15	78.58	55.12	54.27	48.54	47.17	40.10	119.19	147.10	0.00	0.00	0.00
625.	180.38	146.17	114.63	78.26	56.39	54.17	47.39	50.61	41.12	117.76	146.25	0.00	0.00	0.00
630.	182.60	151.27	118.17	80.07	60.88	58.73	45.90	49.05	41.60	117.76	145.42	0.00	0.00	0.00
635.	171.25	145.17	113.19	84.48	63.52	67.48	52.02	49.24	40.73	119.15	144.65	0.00	0.00	0.00
640.	170.97	151.10	97.17	83.12	63.57	63.79	54.76	50.32	39.76	116.54	143.63	0.00	0.00	0.00
645.	165.35	144.65	104.80	78.43	63.31	60.59	51.41	50.39	39.05	113.46	142.45	0.00	0.00	0.00
650.	169.42	142.00	104.44	76.19	59.02	63.48	51.22	51.90	39.90	112.44	142.42	0.00	0.00	0.00
655.	181.27	141.92	107.61	77.98	61.38	56.19	47.73	48.82	38.88	111.37	141.38	0.00	0.00	0.00
660.	165.00	142.12	109.90	84.62	63.45	54.27	44.02	47.02	38.27	112.44	140.30	0.00	0.00	0.00
665.	168.22	137.27	92.69	78.00	70.19	59.22	42.44	51.02	39.27	114.39	140.00	0.00	0.00	0.00
670.	157.95	136.60	96.55	79.88	67.69	53.29	41.34	51.19	38.61	114.02	139.92	0.00	0.00	0.00
675.	160.17	126.39	111.37	87.38	60.14	52.44	42.51	45.88	38.61	113.37	138.90	0.00	0.00	0.00
680.	163.95	140.47	107.49	85.74	54.93	51.63	42.93	48.27	39.24	112.34	138.10	0.00	0.00	0.00
685.	161.85	136.95	110.78	81.29	52.71	50.87	45.15	45.73	39.17	112.07	137.10	0.00	0.00	0.00
690.	157.40	129.46	96.93	77.90	52.44	52.32	44.17	47.76	38.19	109.88	136.70	0.00	0.00	0.00
695.	159.67	121.61	91.86	78.83	58.26	54.95	44.02	46.34	39.12	106.85	136.05	0.00	0.00	0.00
700.	164.75	126.24	94.64	78.09	62.74	57.49	42.10	48.49	40.56	108.46	135.38	0.00	0.00	0.00
705.	146.30	124.19	95.71	83.71	58.37	51.34	42.41	46.98	39.41	108.41	135.52	0.00	0.00	0.00
710.	153.82	125.68	100.19	86.90	58.41	48.83	42.93	49.29	39.54	108.15	134.32	0.00	0.00	0.00
715.	154.07	137.20	106.58	82.05	52.76	50.19	44.49	51.58	40.07	109.90	133.65	0.00	0.00	0.00
720.	147.30	129.07	106.95	81.55	54.88	57.51	46.90	46.56	38.85	108.76	129.76	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	149.72	113.12	87.62	73.32	57.63	58.81	49.02	46.00	36.73	110.32	128.46	0.00	0.00	0.00
730.	152.07	125.34	89.90	72.66	54.85	52.17	43.15	45.54	38.07	108.05	127.95	0.00	0.00	0.00
735.	150.10	116.95	84.62	72.71	58.68	58.45	46.83	44.68	37.51	107.44	126.78	0.00	0.00	0.00
740.	152.22	111.02	84.26	72.10	56.88	59.22	45.00	44.66	37.73	104.61	125.88	0.00	0.00	0.00
745.	145.22	113.17	89.26	67.52	53.80	59.62	49.15	45.27	37.51	104.73	125.07	0.00	0.00	0.00
750.	141.72	111.66	92.43	74.90	56.83	57.29	45.44	43.80	37.95	104.85	124.34	0.00	0.00	0.00
755.	142.70	113.68	92.09	71.76	58.26	55.88	44.78	44.88	37.54	103.88	124.17	0.00	0.00	0.00
760.	138.57	118.32	94.05	78.15	61.24	52.39	41.85	44.51	37.56	104.83	123.51	0.00	0.00	0.00
765.	135.88	111.76	90.26	79.79	58.81	48.19	40.24	45.22	38.27	104.17	123.00	0.00	0.00	0.00
770.	128.66	112.93	89.79	78.90	53.02	47.27	40.44	42.73	38.29	102.78	122.54	0.00	0.00	0.00
775.	134.27	119.68	100.73	74.17	55.73	47.66	41.22	45.37	39.61	95.02	121.73	0.00	0.00	0.00
780.	139.17	126.12	100.80	72.46	55.90	52.73	47.51	52.10	38.10	92.43	120.41	0.00	0.00	0.00
785.	136.13	128.83	81.98	69.76	55.71	54.73	47.27	51.78	41.39	91.21	119.41	0.00	0.00	0.00
790.	128.46	125.51	103.90	73.73	59.17	55.76	50.12	50.32	39.27	86.12	117.98	0.00	0.00	0.00
795.	124.51	122.37	83.81	70.05	57.78	56.83	47.17	50.39	41.39	83.95	117.17	0.00	0.00	0.00
800.	116.27	111.41	92.17	72.93	59.19	55.27	48.24	49.66	40.58	83.95	116.19	0.00	0.00	0.00
805.	119.17	113.39	93.05	70.49	57.39	51.51	45.37	50.90	42.58	84.55	115.19	0.00	0.00	0.00
810.	120.24	115.46	85.40	65.98	54.32	55.19	47.00	50.66	41.88	82.88	114.34	0.00	0.00	0.00
815.	115.90	113.46	82.76	65.81	53.73	52.02	45.34	50.22	42.88	82.67	113.71	0.00	0.00	0.00
820.	114.32	101.71	71.12	61.67	52.68	50.12	43.95	52.98	42.07	83.36	113.07	0.00	0.00	0.00
825.	114.68	109.66	78.54	64.55	54.73	50.83	45.41	47.58	39.61	79.69	112.19	0.00	0.00	0.00
830.	111.00	107.02	70.56	58.48	53.68	55.19	46.66	47.90	39.56	80.52	111.63	0.00	0.00	0.00
835.	109.00	104.37	79.05	59.81	49.78	50.56	43.93	49.51	39.07	81.50	110.98	0.00	0.00	0.00
840.	107.34	101.44	72.17	59.12	49.29	52.10	45.83	47.17	39.61	80.19	110.34	0.00	0.00	0.00
845.	105.56	96.74	75.46	59.19	48.12	48.24	44.02	48.46	40.41	80.48	109.95	0.00	0.00	0.00
850.	105.34	97.31	78.05	58.93	48.12	48.00	42.68	49.39	39.19	81.64	109.39	0.00	0.00	0.00
855.	105.49	92.36	71.41	58.98	47.39	46.93	40.83	46.58	39.85	80.09	108.80	0.00	0.00	0.00
860.	103.37	92.14	74.78	59.67	51.93	54.12	44.88	46.93	39.19	78.64	109.22	0.00	0.00	0.00
865.	101.71	91.12	72.12	59.12	55.22	52.58	43.68	46.39	38.66	77.71	107.63	0.00	0.00	0.00
870.	97.62	87.52	62.19	58.85	50.78	52.95	42.68	43.49	37.19	78.34	107.00	0.00	0.00	0.00
875.	103.49	95.02	59.79	57.58	52.93	52.58	45.17	46.44	37.66	76.71	106.61	0.00	0.00	0.00
880.	96.43	91.62	81.52	58.45	51.83	49.49	42.58	44.78	37.63	76.19	106.24	0.00	0.00	0.00
885.	97.26	94.55	77.41	61.64	54.32	49.15	41.46	42.78	37.15	74.39	105.88	0.00	0.00	0.00
890.	95.26	90.50	73.68	61.88	54.49	50.19	40.93	40.85	36.61	74.27	105.41	0.00	0.00	0.00
895.	93.83	86.62	70.73	61.71	54.27	51.02	41.34	42.05	34.95	74.07	105.19	0.00	0.00	0.00
900.	93.59	87.36	63.69	59.12	50.19	50.76	43.17	41.80	34.83	73.68	104.85	0.00	0.00	0.00
905.	93.07	90.00	71.02	58.61	51.90	48.66	41.73	42.83	36.17	72.85	104.39	0.00	0.00	0.00
910.	91.79	89.29	63.43	58.24	52.10	50.34	42.85	41.88	36.00	72.32	103.80	0.00	0.00	0.00
915.	89.21	87.90	71.05	59.40	55.22	52.93	42.17	40.93	36.49	71.22	103.51	0.00	0.00	0.00
920.	89.71	86.19	59.12	58.98	53.02	51.61	41.61	40.90	36.32	71.02	103.27	0.00	0.00	0.00
925.	92.57	84.45	59.21	57.80	51.78	53.29	41.27	41.88	35.76	71.17	102.85	0.00	0.00	0.00
930.	91.29	82.89	64.31	58.44	51.80	50.80	43.12	42.93	36.39	70.90	102.63	0.00	0.00	0.00
935.	91.05	82.59	72.37	61.74	53.61	47.83	42.46	43.41	34.54	66.52	102.19	0.00	0.00	0.00
940.	81.57	81.40	78.51	64.17	55.15	51.51	42.54	43.02	34.37	66.52	101.39	0.00	0.00	0.00
945.	79.00	80.17	77.85	60.52	52.49	49.58	40.90	43.22	34.93	67.07	101.27	0.00	0.00	0.00
950.	77.12	77.49	74.85	65.57	57.76	49.46	41.17	43.22	35.73	66.40	101.05	0.00	0.00	0.00
955.	78.62	77.88	71.02	63.98	52.27	50.17	42.44	42.22	36.00	65.95	100.51	0.00	0.00	0.00
960.	80.48	75.27	66.74	60.40	51.95	49.22	42.83	42.32	35.85	65.67	100.39	0.00	0.00	0.00
965.	84.02	71.58	62.83	58.56	47.73	48.19	42.29	42.22	36.44	66.17	97.50	0.00	0.00	0.00
970.	82.45	75.07	60.90	58.80	49.78	49.80	41.61	41.46	35.27	66.90	97.26	0.00	0.00	0.00

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	0.00	0.00	19.62	6720.94	0.00	-0.05	-0.02	-0.09	0.00	0.00	0.00	0.00	21.00	0.30
0.	0.00	0.00	29.86	6729.60	0.00	-0.05	-0.02	-0.16	0.00	0.00	0.00	0.00	21.00	-0.46
0.	0.00	0.00	40.34	6741.14	0.00	-0.05	-0.02	-0.17	0.00	0.00	0.00	0.00	21.03	-0.09
0.	0.00	0.00	50.57	6732.48	0.00	-0.05	-0.02	-0.16	0.00	0.00	0.00	0.00	21.13	0.16
0.	0.00	0.00	59.84	6723.82	0.00	-0.05	-0.02	-0.09	0.00	0.00	0.00	0.00	21.03	0.13
5.	0.00	0.00	70.07	6741.14	0.00	-0.05	-0.02	0.02	0.00	0.00	0.00	0.00	20.99	-0.04
10.	0.00	0.00	10.37	6697.84	0.00	-0.04	-0.03	0.31	0.00	0.00	0.00	0.00	21.10	0.51
15.	0.00	0.00	19.62	6715.16	0.00	-0.04	-0.03	0.23	0.00	0.00	0.00	0.00	21.10	0.36
20.	0.00	0.00	29.86	6706.50	0.00	-0.04	-0.02	0.05	0.00	0.00	0.00	0.00	21.08	-0.13
25.	0.00	0.00	40.32	6706.50	0.01	-0.04	-0.02	0.06	0.00	0.00	0.00	0.00	20.56	-0.09
30.	0.00	0.00	50.57	6706.50	0.00	-0.04	-0.02	0.14	0.00	0.00	0.00	0.00	21.03	0.42
35.	0.00	0.00	59.83	6720.94	0.00	-0.04	-0.02	0.09	0.00	0.00	0.00	0.00	20.92	0.71
40.	0.00	0.00	70.07	6718.05	0.00	-0.04	-0.02	-0.22	0.00	0.00	0.00	0.00	20.99	0.23
45.	0.00	0.00	10.38	6720.94	0.01	-0.04	-0.02	0.51	0.00	0.00	0.00	0.00	21.00	0.44
50.	0.00	0.00	19.62	6709.39	0.00	-0.04	-0.02	0.41	0.00	0.00	0.00	0.00	20.98	0.53
55.	0.00	0.00	29.86	6715.16	0.00	-0.04	-0.03	0.13	0.00	0.00	0.00	0.00	20.99	0.70
60.	0.00	0.00	40.33	6723.82	0.00	-0.04	-0.02	-0.02	0.00	0.00	0.00	0.00	20.98	0.85
65.	0.00	0.00	50.56	6720.94	0.00	-0.03	-0.02	0.13	0.00	0.00	0.00	0.00	20.97	0.17
70.	0.00	0.00	59.84	6726.71	0.00	-0.03	-0.02	0.16	0.00	0.00	0.00	0.00	20.96	0.21
75.	0.00	0.00	70.08	6706.50	0.00	-0.03	-0.02	-0.15	0.00	0.00	0.00	0.00	20.95	0.16
80.	0.00	0.00	10.38	6712.27	0.00	-0.03	-0.01	0.45	0.00	0.00	0.00	0.00	20.95	0.46
85.	0.00	0.00	19.63	6706.50	0.00	-0.03	-0.01	0.41	0.00	0.00	0.00	0.00	20.92	0.87
90.	0.00	0.00	29.86	6703.61	0.01	-0.03	-0.02	-0.11	0.00	0.00	0.00	0.00	20.92	0.92
95.	0.00	0.00	40.33	6689.18	0.01	-0.02	-0.00	-0.23	0.00	0.00	0.00	0.00	20.91	1.07
100.	0.00	0.00	50.56	6680.52	0.01	-0.01	-0.00	0.14	0.00	0.00	0.00	0.00	20.88	0.83
105.	0.00	0.00	59.84	6680.52	0.01	-0.01	0.00	0.07	0.00	0.00	0.00	0.00	20.87	1.03
110.	0.00	0.00	70.08	6657.42	0.01	0.00	0.01	-0.13	0.00	0.00	0.00	0.00	20.83	0.59
115.	0.00	0.00	10.38	6668.97	0.01	0.01	0.05	0.70	0.00	0.00	0.00	0.00	20.79	1.43
120.	0.00	0.00	19.62	6648.76	0.02	0.02	0.05	0.36	0.00	0.00	0.00	0.00	20.63	1.49
125.	0.00	0.00	29.86	6634.32	0.02	0.03	0.06	-0.14	0.00	0.00	0.00	0.00	20.69	2.34
130.	0.00	0.00	40.32	6645.87	0.02	0.05	0.07	0.09	0.00	0.00	0.00	0.00	20.50	2.44
135.	0.00	0.00	50.57	6622.77	0.02	0.06	0.09	0.02	0.00	0.00	0.00	0.00	20.57	2.73
140.	0.00	0.00	59.84	6614.11	0.03	0.09	0.14	-0.23	0.00	0.00	0.00	0.00	20.51	3.77
145.	0.00	0.00	70.08	6591.02	0.04	0.11	0.18	-0.18	0.00	0.00	0.00	0.00	20.45	2.63
150.	0.00	0.00	10.38	6585.24	0.05	0.13	0.17	1.53	0.00	0.00	0.00	0.00	20.37	3.51
155.	0.00	0.00	19.63	6556.37	0.05	0.14	0.17	0.68	0.00	0.00	0.00	0.00	20.26	3.65
160.	0.00	0.00	29.86	6524.62	0.07	0.17	0.28	-0.16	0.00	0.00	0.00	0.00	20.16	3.58
165.	0.00	0.00	40.33	6492.86	0.07	0.20	0.30	0.16	0.00	0.00	0.00	0.00	20.05	4.99
170.	0.00	0.00	50.57	6463.99	0.08	0.22	0.28	-0.34	0.00	0.00	0.00	0.00	19.92	4.77
175.	0.00	0.00	59.84	6423.57	0.10	0.24	0.34	-0.45	0.00	0.00	0.00	0.00	19.83	5.89
180.	0.00	0.00	70.08	6374.49	0.10	0.27	0.40	-0.34	0.00	0.00	0.00	0.00	19.68	5.79
185.	0.00	0.00	10.37	6322.52	0.13	0.30	0.46	1.97	0.00	0.00	0.00	0.00	19.51	5.88
190.	0.00	0.00	19.62	6308.09	0.14	0.34	0.44	1.66	0.00	0.00	0.00	0.00	19.40	6.88
195.	0.00	0.00	29.87	6253.24	0.15	0.36	0.51	0.07	0.00	0.00	0.00	0.00	19.27	6.30
200.	0.00	0.00	40.32	6183.95	0.16	0.39	0.59	-0.29	0.00	0.00	0.00	0.00	19.09	5.28
205.	0.00	0.00	50.57	6120.44	0.17	0.41	0.57	0.27	0.00	0.00	0.00	0.00	18.89	6.53
210.	0.00	0.00	59.83	6100.23	0.17	0.42	0.67	-0.59	0.00	0.00	0.00	0.00	18.73	5.83
215.	0.00	0.00	70.08	6033.83	0.18	0.43	0.63	-0.56	0.00	0.00	0.00	0.00	18.61	6.53
220.	0.00	0.00	10.38	5984.75	0.19	0.44	0.68	1.70	0.00	0.00	0.00	0.00	18.47	7.43
			19.62	5918.35	0.20	0.45	0.74	1.61	0.00	0.00	0.00	0.00	18.37	6.59

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	0.00	0.00	29.86	5854.84	0.21	0.48	0.73	-0.22	0.00	0.00	0.00	0.00	18.20	5.30
230.	0.00	0.00	40.33	5797.10	0.23	0.50	0.65	-0.62	0.00	0.00	0.00	0.00	18.16	5.44
235.	0.00	0.00	50.57	5727.81	0.23	0.52	0.74	-0.51	0.00	0.00	0.00	0.00	18.13	7.79
240.	0.00	0.00	59.84	5667.18	0.24	0.53	0.76	-0.67	0.00	0.00	0.00	0.00	18.10	7.72
245.	0.00	0.00	70.09	5580.57	0.24	0.54	0.82	-0.54	0.00	0.00	0.00	0.00	17.97	6.74
250.	0.00	0.00	10.38	5514.17	0.25	0.55	0.87	2.70	0.00	0.00	0.00	0.00	17.97	6.58
255.	0.00	0.00	19.63	5447.77	0.25	0.57	0.80	1.85	0.00	0.00	0.00	0.00	17.92	8.59
260.	0.00	0.00	29.87	5369.82	0.26	0.56	0.81	-0.44	0.00	0.00	0.00	0.00	17.94	7.78
265.	0.00	0.00	40.33	5303.42	0.26	0.56	0.76	-0.50	0.00	0.00	0.00	0.00	17.92	7.92
270.	0.00	0.00	50.57	5219.69	0.26	0.57	0.86	-0.52	0.00	0.00	0.00	0.00	17.83	7.61
275.	0.00	0.00	59.85	5159.06	0.25	0.57	0.85	-0.52	0.00	0.00	0.00	0.00	17.86	7.51
280.	0.00	0.00	70.09	5107.10	0.27	0.58	0.97	-0.67	0.00	0.00	0.00	0.00	17.79	7.15
285.	0.00	0.00	10.38	5023.38	0.27	0.58	0.95	2.87	0.00	0.00	0.00	0.00	17.82	10.16
290.	0.00	0.00	19.62	4945.43	0.27	0.59	0.93	1.80	0.00	0.00	0.00	0.00	17.78	7.56
295.	0.00	0.00	29.86	4910.79	0.27	0.58	0.87	0.14	0.00	0.00	0.00	0.00	17.77	7.32
300.	0.00	0.00	40.34	4838.61	0.27	0.56	0.87	-0.45	0.00	0.00	0.00	0.00	17.74	5.08
305.	0.00	0.00	50.56	4775.10	0.26	0.56	0.82	-0.32	0.00	0.00	0.00	0.00	17.76	7.42
310.	0.00	0.00	59.84	4717.36	0.25	0.56	0.84	-0.53	0.00	0.00	0.00	0.00	17.84	7.93
315.	0.00	0.00	70.08	4630.75	0.27	0.55	0.76	-0.55	0.00	0.00	0.00	0.00	17.89	8.22
320.	0.00	0.00	10.38	4596.10	0.27	0.55	0.80	3.48	0.00	0.00	0.00	0.00	17.89	8.09
325.	0.00	0.00	19.62	4518.15	0.28	0.56	0.85	0.54	0.00	0.00	0.00	0.00	17.95	7.53
330.	0.00	0.00	29.86	4459.07	0.27	0.57	0.93	-0.35	0.00	0.00	0.00	0.00	17.96	9.33
335.	0.00	0.00	40.33	4382.46	0.27	0.55	1.04	-0.38	0.00	0.00	0.00	0.00	17.93	6.93
340.	0.00	0.00	50.57	4342.05	0.28	0.55	0.88	-0.51	0.00	0.00	0.00	0.00	17.87	7.08
345.	0.00	0.00	59.85	4278.53	0.28	0.55	0.79	-0.40	0.00	0.00	0.00	0.00	17.92	6.98
350.	0.00	0.00	70.08	4226.56	0.28	0.54	0.79	-0.61	0.00	0.00	0.00	0.00	17.99	6.09
355.	0.00	0.00	10.38	4157.27	0.27	0.55	0.88	2.84	0.00	0.00	0.00	0.00	18.03	7.46
360.	0.00	0.00	19.63	4085.10	0.27	0.55	0.85	1.49	0.00	0.00	0.00	0.00	18.01	5.96
365.	0.00	0.00	29.86	4047.57	0.28	0.53	0.76	0.09	0.00	0.00	0.00	0.00	18.04	6.58
370.	0.00	0.00	40.32	3986.95	0.29	0.52	0.80	-0.44	0.00	0.00	0.00	0.00	18.09	7.77
375.	0.00	0.00	50.57	3929.21	0.28	0.52	0.76	-0.57	0.00	0.00	0.00	0.00	18.07	8.10
380.	0.00	0.00	59.85	3871.47	0.27	0.53	0.84	-0.53	0.00	0.00	0.00	0.00	18.17	7.29
385.	0.00	0.00	70.08	3813.73	0.28	0.53	0.80	-0.60	0.00	0.00	0.00	0.00	18.23	6.71
390.	0.00	0.00	10.38	3738.66	0.27	0.52	0.85	2.53	0.00	0.00	0.00	0.00	18.19	6.72
395.	0.00	0.00	19.63	3683.81	0.28	0.52	0.81	0.17	0.00	0.00	0.00	0.00	18.16	7.81
400.	0.00	0.00	29.87	3631.85	0.28	0.51	0.81	0.48	0.00	0.00	0.00	0.00	18.21	6.39
405.	0.00	0.00	40.33	3571.22	0.28	0.52	0.87	-0.53	0.00	0.00	0.00	0.00	18.25	6.54
410.	0.00	0.00	50.50	3516.36	0.28	0.51	0.83	-0.59	0.00	0.00	0.00	0.00	18.24	5.90
415.	0.00	0.00	59.85	3494.61	0.26	0.51	0.77	-0.40	0.00	0.00	0.00	0.00	18.24	6.89
420.	0.00	0.00	70.08	3421.09	0.28	0.51	0.84	-0.59	0.00	0.00	0.00	0.00	18.24	6.09
425.	0.00	0.00	10.37	3372.02	0.28	0.50	0.75	2.50	0.00	0.00	0.00	0.00	18.24	5.91
430.	0.00	0.00	19.63	3311.39	0.27	0.48	0.84	1.86	0.00	0.00	0.00	0.00	18.26	6.99
435.	0.00	0.00	29.87	3265.20	0.27	0.49	0.75	0.49	0.00	0.00	0.00	0.00	18.34	8.08
440.	0.00	0.00	40.34	3201.68	0.27	0.49	0.73	-0.53	0.00	0.00	0.00	0.00	18.42	8.03
445.	0.00	0.00	50.58	3143.94	0.27	0.48	0.72	-0.76	0.00	0.00	0.00	0.00	18.45	5.87
450.	0.00	0.00	59.84	3097.75	0.27	0.48	0.72	-0.61	0.00	0.00	0.00	0.00	18.48	6.58
455.	0.00	0.00	70.09	3051.56	0.26	0.47	0.70	-0.59	0.00	0.00	0.00	0.00	18.55	8.10
460.	0.00	0.00	10.38	3008.25	0.28	0.48	0.81	2.76	0.00	0.00	0.00	0.00	18.56	7.04
465.	0.00	0.00	19.63	2947.63	0.28	0.49	0.78	1.53	0.00	0.00	0.00	0.00	18.57	7.74
470.	0.00	0.00	29.86	2912.98	0.29	0.47	0.74	-0.03	0.00	0.00	0.00	0.00	18.60	7.14

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	0.00	0.00	40.33	2855.24	0.28	0.48	0.77	-0.50	0.00	0.00	0.00	0.00	18.53	6.12
480.	0.00	0.00	50.57	2794.61	0.28	0.47	0.75	-0.59	0.00	0.00	0.00	0.00	18.53	6.60
485.	0.00	0.00	59.84	2759.97	0.27	0.47	0.73	-0.56	0.00	0.00	0.00	0.00	18.55	6.20
490.	0.00	0.00	70.08	2710.89	0.27	0.46	0.72	-0.59	0.00	0.00	0.00	0.00	18.53	6.34
495.	0.00	0.00	10.37	2667.59	0.28	0.47	0.86	2.92	0.00	0.00	0.00	0.00	18.50	6.35
500.	0.00	0.00	19.63	2604.07	0.27	0.45	0.75	1.92	0.00	0.00	0.00	0.00	18.62	6.84
505.	0.00	0.00	29.86	2566.54	0.28	0.46	0.77	-0.11	0.00	0.00	0.00	0.00	18.59	6.71
510.	0.00	0.00	40.33	2523.24	0.28	0.46	0.75	-0.42	0.00	0.00	0.00	0.00	18.60	5.18
515.	0.00	0.00	50.57	2468.38	0.27	0.47	0.76	-0.50	0.00	0.00	0.00	0.00	18.60	6.14
520.	0.00	0.00	59.84	2422.19	0.28	0.47	0.72	-0.61	0.00	0.00	0.00	0.00	18.62	5.05
525.	0.00	0.00	70.09	2378.89	0.28	0.48	0.80	-0.62	0.00	0.00	0.00	0.00	18.64	6.57
530.	0.00	0.00	10.38	2326.92	0.28	0.48	0.74	2.73	0.00	0.00	0.00	0.00	18.65	6.51
535.	0.00	0.00	19.62	2298.05	0.28	0.47	0.73	1.97	0.00	0.00	0.00	0.00	18.68	7.04
540.	0.00	0.00	29.86	2240.31	0.28	0.47	0.78	0.15	0.00	0.00	0.00	0.00	18.63	5.59
545.	0.00	0.00	40.33	2202.78	0.27	0.46	0.73	-0.37	0.00	0.00	0.00	0.00	18.64	6.48
550.	0.00	0.00	50.58	2142.15	0.27	0.46	0.75	-0.57	0.00	0.00	0.00	0.00	18.68	6.64
555.	0.00	0.00	59.85	2104.62	0.27	0.45	0.72	-0.64	0.00	0.00	0.00	0.00	18.65	6.78
560.	0.00	0.00	70.10	2064.20	0.28	0.46	0.67	-0.56	0.00	0.00	0.00	0.00	18.65	7.07
565.	0.00	0.00	10.38	2023.79	0.27	0.45	0.70	2.48	0.00	0.00	0.00	0.00	18.66	6.06
570.	0.00	0.00	19.64	1997.80	0.28	0.44	0.73	1.50	0.00	0.00	0.00	0.00	18.76	5.96
575.	0.00	0.00	29.87	1940.06	0.28	0.45	0.78	-0.51	0.00	0.00	0.00	0.00	18.83	7.24
580.	0.00	0.00	40.33	1899.65	0.28	0.44	0.63	-0.47	0.00	0.00	0.00	0.00	18.80	6.01
585.	0.00	0.00	50.58	1862.11	0.27	0.45	0.70	-0.49	0.00	0.00	0.00	0.00	18.69	6.83
590.	0.00	0.00	59.85	1810.15	0.27	0.44	0.73	-0.55	0.00	0.00	0.00	0.00	18.68	6.84
595.	0.00	0.00	70.09	1775.50	0.27	0.43	0.67	-0.61	0.00	0.00	0.00	0.00	18.80	6.95
600.	0.00	0.00	10.38	1737.97	0.26	0.43	0.73	2.42	0.00	0.00	0.00	0.00	18.83	6.26
605.	0.00	0.00	19.64	1717.77	0.26	0.43	0.73	0.38	0.00	0.00	0.00	0.00	18.87	6.41
610.	0.00	0.00	29.87	1680.23	0.24	0.42	0.72	0.53	0.00	0.00	0.00	0.00	18.88	5.31
615.	0.00	0.00	40.33	1645.59	0.26	0.42	0.73	-0.50	0.00	0.00	0.00	0.00	18.89	6.21
620.	0.00	0.00	50.58	1605.17	0.25	0.41	0.70	-0.38	0.00	0.00	0.00	0.00	18.91	6.25
625.	0.00	0.00	59.85	1584.96	0.25	0.40	0.71	-0.65	0.00	0.00	0.00	0.00	18.95	5.56
630.	0.00	0.00	70.09	1544.54	0.25	0.40	0.69	-0.60	0.00	0.00	0.00	0.00	18.98	6.32
635.	0.00	0.00	10.38	1530.11	0.24	0.39	0.59	2.56	0.00	0.00	0.00	0.00	19.01	6.27
640.	0.00	0.00	19.63	1501.24	0.24	0.39	0.56	1.08	0.00	0.00	0.00	0.00	19.07	5.08
645.	0.00	0.00	29.86	1472.37	0.24	0.38	0.66	-0.46	0.00	0.00	0.00	0.00	19.07	5.75
650.	0.00	0.00	40.32	1443.50	0.24	0.38	0.60	-0.49	0.00	0.00	0.00	0.00	19.09	5.54
655.	0.00	0.00	50.57	1411.74	0.24	0.37	0.57	-0.52	0.00	0.00	0.00	0.00	19.13	5.53
660.	0.00	0.00	59.84	1382.87	0.23	0.37	0.63	-0.62	0.00	0.00	0.00	0.00	19.16	5.64
665.	0.00	0.00	70.09	1345.34	0.24	0.36	0.61	-0.54	0.00	0.00	0.00	0.00	19.17	6.07
670.	0.00	0.00	10.38	1320.02	0.24	0.36	0.56	2.52	0.00	0.00	0.00	0.00	19.21	5.65
675.	0.00	0.00	19.63	1296.26	0.23	0.35	0.61	1.72	0.00	0.00	0.00	0.00	19.24	4.76
680.	0.00	0.00	29.88	1278.94	0.23	0.35	0.62	0.05	0.00	0.00	0.00	0.00	19.25	5.12
685.	0.00	0.00	40.34	1250.07	0.23	0.34	0.57	-0.59	0.00	0.00	0.00	0.00	19.24	5.93
690.	0.00	0.00	50.58	1218.31	0.23	0.34	0.49	-0.44	0.00	0.00	0.00	0.00	19.32	5.64
695.	0.00	0.00	59.85	1198.10	0.22	0.34	0.51	-0.60	0.00	0.00	0.00	0.00	19.33	5.53
700.	0.00	0.00	70.09	1175.01	0.22	0.33	0.53	-0.53	0.00	0.00	0.00	0.00	19.33	5.13
705.	0.00	0.00	10.38	1166.35	0.22	0.33	0.[illegible]	2.46	0.00	0.00	0.00	0.00	19.33	4.79
710.	0.00	0.00	19.63	1146.14	0.22	0.32	0.54	2.07	0.00	0.00	0.00	0.00	19.35	5.01
715.	0.00	0.00	29.87	1111.50	0.21	0.32	0.51	0.63	0.00	0.00	0.00	0.00	19.36	5.76
720.	0.00	0.00	40.33	1102.83	0.21	0.31	0.51	-0.10	0.00	0.00	0.00	0.00	19.37	4.83

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	0.00	0.00	50.56	1088.40	0.21	0.30	0.44	-0.66	0.00	0.00	0.00	0.00	19.41	4.75
730.	0.00	0.00	59.84	1099.95	0.21	0.30	0.44	-0.32	0.00	0.00	0.00	0.00	19.44	5.62
735.	0.00	0.00	70.09	1039.32	0.21	0.29	0.48	-0.60	0.00	0.00	0.00	0.00	19.47	4.16
740.	0.00	0.00	10.38	1033.54	0.20	0.28	0.44	1.67	0.00	0.00	0.00	0.00	19.49	5.18
745.	0.00	0.00	19.63	1004.67	0.20	0.28	0.47	1.40	0.00	0.00	0.00	0.00	19.52	4.03
750.	0.00	0.00	29.87	990.24	0.21	0.27	0.46	0.04	0.00	0.00	0.00	0.00	19.54	4.80
755.	0.00	0.00	40.33	958.48	0.20	0.27	0.44	-0.25	0.00	0.00	0.00	0.00	19.59	4.34
760.	0.00	0.00	50.58	949.82	0.20	0.27	0.43	-0.47	0.00	0.00	0.00	0.00	19.62	4.37
765.	0.00	0.00	59.85	929.61	0.20	0.26	0.37	-0.59	0.00	0.00	0.00	0.00	19.63	4.65
770.	0.00	0.00	70.09	1033.54	0.19	0.26	0.42	-0.59	0.00	0.00	0.00	0.00	19.61	4.99
775.	0.00	0.00	10.38	834.34	0.14	0.26	0.36	2.19	0.00	0.00	0.00	0.00	19.62	4.09
780.	0.00	0.00	19.62	805.47	0.13	0.25	0.28	1.58	0.00	0.00	0.00	0.00	19.61	4.50
785.	0.00	0.00	29.86	808.36	0.14	0.23	0.32	0.46	0.00	0.00	0.00	0.00	19.63	4.16
790.	0.00	0.00	40.33	805.47	0.12	0.22	0.26	-0.52	0.00	0.00	0.00	0.00	19.70	3.78
795.	0.00	0.00	50.57	796.81	0.14	0.22	0.32	-0.59	0.00	0.00	0.00	0.00	19.78	3.86
800.	0.00	0.00	59.85	779.49	0.13	0.21	0.31	-0.61	0.00	0.00	0.00	0.00	19.83	3.94
805.	0.00	0.00	70.09	765.06	0.14	0.20	0.31	-0.59	0.00	0.00	0.00	0.00	19.77	3.65
810.	0.00	0.00	10.38	747.73	0.12	0.20	0.30	1.94	0.00	0.00	0.00	0.00	19.91	4.05
815.	0.00	0.00	19.63	739.07	0.12	0.20	0.25	1.51	0.00	0.00	0.00	0.00	19.94	4.00
820.	0.00	0.00	29.87	736.18	0.11	0.18	0.24	-0.20	0.00	0.00	0.00	0.00	19.96	3.33
825.	0.00	0.00	40.33	727.52	0.12	0.18	0.24	-0.48	0.00	0.00	0.00	0.00	19.96	3.56
830.	0.00	0.00	50.57	710.20	0.13	0.17	0.28	-0.47	0.00	0.00	0.00	0.00	19.96	3.38
835.	0.00	0.00	59.84	707.31	0.12	0.17	0.27	-0.55	0.00	0.00	0.00	0.00	19.98	3.60
840.	0.00	0.00	70.08	692.88	0.11	0.17	0.28	-0.56	0.00	0.00	0.00	0.00	20.01	2.87
845.	0.00	0.00	10.37	692.88	0.12	0.17	0.24	1.72	0.00	0.00	0.00	0.00	20.01	3.21
850.	0.00	0.00	19.62	681.33	0.12	0.17	0.21	1.44	0.00	0.00	0.00	0.00	20.03	2.89
855.	0.00	0.00	29.86	672.67	0.10	0.17	0.26	0.61	0.00	0.00	0.00	0.00	20.03	3.39
860.	0.00	0.00	40.33	666.90	0.10	0.17	0.20	-0.57	0.00	0.00	0.00	0.00	20.05	2.78
865.	0.00	0.00	50.57	658.23	0.10	0.17	0.21	-0.53	0.00	0.00	0.00	0.00	20.06	3.02
870.	0.00	0.00	59.85	646.69	0.11	0.16	0.23	-0.54	0.00	0.00	0.00	0.00	20.05	3.75
875.	0.00	0.00	70.08	643.80	0.10	0.16	0.23	-0.52	0.00	0.00	0.00	0.00	19.96	2.37
880.	0.00	0.00	10.38	638.03	0.10	0.16	0.24	1.50	0.00	0.00	0.00	0.00	20.08	2.62
885.	0.00	0.00	19.64	626.48	0.11	0.16	0.21	1.22	0.00	0.00	0.00	0.00	20.07	2.83
890.	0.00	0.00	29.87	612.04	0.10	0.16	0.20	-0.15	0.00	0.00	0.00	0.00	20.11	3.07
895.	0.00	0.00	40.34	606.27	0.10	0.16	0.19	-0.23	0.00	0.00	0.00	0.00	20.10	2.92
900.	0.00	0.00	50.57	591.83	0.10	0.16	0.21	-0.42	0.00	0.00	0.00	0.00	20.01	2.84
905.	0.00	0.00	59.85	586.06	0.11	0.16	0.25	-0.56	0.00	0.00	0.00	0.00	20.03	2.55
910.	0.00	0.00	70.09	577.40	0.10	0.16	0.19	-0.53	0.00	0.00	0.00	0.00	20.14	2.84
915.	0.00	0.00	10.38	574.51	0.10	0.16	0.20	1.67	0.00	0.00	0.00	0.00	20.16	2.51
920.	0.00	0.00	19.63	614.93	0.10	0.15	0.19	1.58	0.00	0.00	0.00	0.00	20.17	2.42
925.	0.00	0.00	29.87	548.53	0.10	0.15	0.20	0.37	0.00	0.00	0.00	0.00	20.16	2.06
930.	0.00	0.00	40.34	542.75	0.10	0.15	0.20	-0.12	0.00	0.00	0.00	0.00	20.17	2.43
935.	0.00	0.00	50.57	528.32	0.10	0.15	0.20	-0.63	0.00	0.00	0.00	0.00	20.18	3.40
940.	0.00	0.00	59.84	536.98	0.10	0.15	0.19	-0.54	0.00	0.00	0.00	0.00	20.19	1.98
945.	0.00	0.00	70.08	528.32	0.10	0.15	0.19	-0.52	0.00	0.00	0.00	0.00	20.20	2.86
950.	0.00	0.00	10.38	525.43	0.10	0.15	0.18	1.52	0.00	0.00	0.00	0.00	20.20	2.66
955.	0.00	0:00	19.61	509.11	0.10	0.15	0.18	1.07	0.00	0.00	0.00	0.00	20.23	2.45
960.	0.00	0.00	29.86	505.23	0.10	0.15	0.17	0.23	0.00	0.00	0.00	0.00	20.13	2.78
965.	0.00	0.00	40.33	508.11	0.10	0.15	0.18	0.10	0.00	0.00	0.00	0.00	20.25	2.53
970.	0.00	0.00	50.58	499.45	0.10	0.15	0.18	-0.35	0.00	0.00	0.00	0.00	20.24	2.52

TIME	42	43	44	45	46	47	48
0.	-0.31	0.30	-0.16	0.25	-0.33	0.00	0.00
0.	0.07	-0.10	-0.13	-0.07	-0.18	0.00	0.00
0.	0.22	-0.04	-0.38	0.31	0.04	0.00	0.00
0.	-0.10	0.13	0.05	-0.10	0.28	0.00	0.00
0.	0.15	-0.33	0.46	-0.29	0.17	0.00	0.00
0.	-0.03	0.05	0.15	-0.11	0.02	0.00	0.00
5.	-0.20	0.32	0.01	-0.04	-0.09	0.00	5.00
10.	-0.21	0.36	-0.48	0.43	-0.50	0.00	10.00
15.	0.30	0.25	-0.51	0.39	-0.05	0.00	15.00
20.	0.48	0.31	-0.32	-0.05	0.20	0.02	20.00
25.	0.33	-0.01	-0.48	0.49	0.01	0.02	25.00
30.	-0.07	0.50	-0.15	0.00	0.30	0.02	30.00
35.	0.27	0.22	0.07	0.17	-0.51	0.03	35.00
40.	0.29	0.44	-0.34	0.15	0.44	0.03	40.00
45.	0.45	0.35	-0.51	0.39	-0.25	0.03	45.00
50.	0.11	0.30	-0.09	0.13	-0.24	0.04	50.00
55.	-0.02	0.56	-0.19	0.08	0.35	0.04	55.00
60.	0.01	0.94	-0.70	0.41	-0.08	0.05	60.00
65.	0.55	0.16	-0.11	-0.20	0.20	0.05	65.00
70.	0.68	0.23	-0.19	0.15	-0.06	0.06	70.00
75.	0.05	0.25	-0.12	0.43	-0.67	0.06	75.00
80.	0.47	0.77	-0.59	-0.05	0.17	0.08	80.00
85.	0.56	0.10	-0.10	0.29	-0.33	0.08	85.00
90.	0.20	1.04	-0.59	0.21	-0.35	0.11	90.00
95.	0.46	0.69	-0.48	0.01	0.02	0.13	95.00
100.	0.38	0.77	-0.29	0.08	0.02	0.15	100.00
105.	1.53	0.47	-0.28	-0.02	-0.57	0.21	105.00
110.	1.28	1.02	-0.73	0.16	-0.05	0.25	110.00
115.	1.14	1.11	-0.45	0.08	-0.46	0.33	115.00
120.	1.54	1.15	-0.55	0.36	-0.10	0.40	120.00
125.	1.80	0.63	0.05	-0.14	-0.05	0.48	125.00
130.	2.29	0.94	-0.32	0.22	-0.30	0.58	130.00
135.	2.22	1.05	-0.84	0.26	-0.40	0.65	135.00
140.	2.41	1.90	-0.78	0.05	-0.22	0.74	140.00
145.	1.99	2.86	-0.94	0.06	-0.47	0.92	145.00
150.	3.49	1.51	0.37	-0.72	0.17	1.05	150.00
155.	2.84	2.70	-0.45	-0.30	-0.20	1.23	155.00
160.	2.70	2.79	-1.87	0.69	1.37	1.38	160.00
165.	2.67	2.53	-0.73	-0.42	1.09	1.62	165.00
170.	1.73	3.12	0.07	-0.84	0.04	1.77	170.00
175.	3.19	3.39	-0.34	-0.84	1.53	2.08	175.00
180.	5.46	1.46	-0.29	-0.35	-0.35	2.23	180.00
185.	4.51	2.44	-1.57	1.27	-0.30	2.39	185.00
190.	3.47	2.86	-0.09	-0.62	0.25	2.61	190.00
195.	4.98	4.03	0.97	-1.42	0.79	2.95	195.00
200.	3.70	4.22	-1.10	0.32	-0.85	3.18	200.00
205.	3.86	5.01	-1.02	-0.35	-0.21	3.35	205.00
210.	4.35	1.45	0.14	0.47	1.51	3.51	210.00
215.	8.31	2.65	-0.32	-0.29	-0.92	3.70	215.00
220.	5.61	3.73	-2.67	0.84	-0.50	3.78	220.00

TIME	42	43	44	45	46	47	48
225.	4.58	3.86	0.34	-0.77	-0.31	3.93	225.00
230.	4.68	4.30	0.46	-0.13	-1.43	4.08	230.00
235.	8.57	3.03	0.33	0.53	-0.69	4.01	235.00
240.	4.14	3.76	-0.49	-0.91	0.79	4.12	240.00
245.	6.04	2.91	-0.35	0.48	0.05	4.29	245.00
250.	4.07	4.03	-0.29	-0.50	-0.27	4.08	250.00
255.	2.86	3.55	0.41	0.02	-0.05	4.27	255.00
260.	5.38	3.27	0.00	0.94	-1.24	4.16	260.00
265.	5.51	2.55	-0.24	0.60	-1.49	4.27	265.00
270.	4.19	3.69	2.48	-1.99	-1.72	4.38	270.00
275.	3.60	4.80	-0.91	-0.94	1.12	4.18	275.00
280.	8.34	5.75	-1.74	0.11	0.91	4.33	280.00
285.	3.39	2.46	-0.05	1.55	-1.38	4.31	285.00
290.	6.02	2.62	-1.04	-0.86	1.15	4.37	290.00
295.	5.09	2.96	-0.11	0.06	-0.73	4.49	295.00
300.	7.38	3.92	-1.26	-1.50	-1.11	4.45	300.00
305.	8.60	3.70	-0.89	-1.18	-0.72	4.15	305.00
310.	3.99	5.07	0.45	-0.79	-0.73	4.30	310.00
315.	8.17	3.74	0.55	-0.52	-0.43	4.18	315.00
320.	4.84	3.64	-1.08	-0.08	-0.92	4.13	320.00
325.	6.56	3.62	-0.72	0.06	-0.28	4.05	325.00
330.	5.54	4.61	-0.93	1.34	-1.56	4.12	330.00
335.	5.11	4.03	-0.75	0.61	-1.30	4.16	335.00
340.	5.55	3.08	-0.39	-1.86	-1.25	4.19	340.00
345.	6.38	2.64	-0.05	-1.55	-2.23	4.11	345.00
350.	7.69	2.35	-1.29	0.89	-0.60	3.82	350.00
355.	4.07	2.88	-0.79	-0.08	0.12	4.01	355.00
360.	4.93	3.86	-0.42	-0.15	-0.27	3.99	360.00
365.	5.14	4.38	-0.63	-1.29	-2.60	3.98	365.00
370.	5.89	3.94	-1.40	1.21	-0.63	3.94	370.00
375.	4.95	4.23	-1.53	0.03	-0.89	3.87	375.00
380.	5.91	3.29	-0.70	-2.09	-1.22	3.72	380.00
385.	5.55	3.61	-0.49	0.27	-0.75	3.70	385.00
390.	5.00	4.52	-1.14	-0.43	-1.12	3.87	390.00
395.	6.10	2.09	0.66	-0.31	-0.80	3.86	395.00
400.	6.59	3.68	-1.19	0.23	-1.21	3.66	400.00
405.	5.76	3.04	-0.27	-0.30	-0.43	3.75	405.00
410.	4.85	3.82	-1.52	-1.41	-0.14	3.70	410.00
415.	5.07	3.76	-0.93	0.42	-0.46	3.72	415.00
420.	5.42	4.23	-0.18	-1.10	1.37	3.70	420.00
425.	5.54	2.53	0.17	-0.64	-0.40	3.71	425.00
430.	8.76	2.85	-0.67	0.48	-1.02	3.66	430.00
435.	5.13	2.73	-0.62	0.77	-0.85	3.52	435.00
440.	4.89	3.13	-0.47	0.11	-0.70	3.50	440.00
445.	4.85	3.81	-0.50	-0.32	-0.54	3.33	445.00
450.	6.01	2.48	0.32	-1.03	-1.07	3.33	450.00
455.	5.07	2.42	-0.12	0.14	-0.15	3.15	455.00
460.	5.49	2.34	0.57	0.03	-0.95	3.25	460.00
465.	4.79	3.69	-0.76	0.15	-0.43	3.27	465.00
470.	5.51	2.64	-0.13	0.19	-1.98	3.33	470.00

TIME	42	43	44	45	46	47	48
475.	4.74	4.10	-0.88	-1.23	0.59	3.40	475.00
480.	4.75	4.03	-0.90	0.03	-1.36	3.32	480.00
485.	4.96	3.26	-0.29	-0.34	-1.30	3.33	485.00
490.	4.77	3.44	-0.79	0.27	-0.51	3.22	490.00
495.	5.79	3.09	-0.43	-0.69	-1.21	3.21	495.00
500.	5.13	3.40	0.06	-0.20	-0.73	3.34	500.00
505.	4.86	2.96	-0.13	-0.17	-0.93	3.17	505.00
510.	5.75	3.86	-0.89	-1.69	0.20	3.23	510.00
515.	4.48	4.24	-0.65	-0.02	-0.17	3.27	515.00
520.	6.18	3.41	-0.35	-0.55	-0.82	3.21	520.00
525.	5.59	3.47	-1.19	-0.66	0.25	3.24	525.00
530.	5.97	4.29	-1.53	-1.83	-0.35	3.06	530.00
535.	3.89	4.45	-0.89	0.03	-0.92	3.18	535.00
540.	4.55	4.77	-1.06	0.11	-0.02	3.28	540.00
545.	4.90	3.07	-0.74	-1.47	-1.20	3.08	545.00
550.	4.98	4.08	-0.78	0.23	-1.36	3.18	550.00
555.	4.77	4.07	-1.26	-0.34	-0.17	3.17	555.00
560.	4.72	3.49	-0.39	-0.41	-0.88	3.19	560.00
565.	4.95	2.11	0.71	-0.04	-1.20	3.10	565.00
570.	4.79	3.62	-0.84	0.14	-0.60	2.92	570.00
575.	5.48	2.31	-0.36	-0.00	-0.59	2.78	575.00
580.	4.64	3.13	-0.57	-0.59	-0.66	2.96	580.00
585.	5.81	2.44	-0.24	-0.19	-1.53	2.97	585.00
590.	4.69	2.68	-0.54	0.23	-0.79	2.97	590.00
595.	4.55	2.82	-0.26	-0.07	-0.79	2.84	595.00
600.	5.55	3.07	-1.02	-0.39	-0.43	2.85	600.00
605.	5.71	2.78	-0.78	-0.08	-1.01	2.82	605.00
610.	4.78	4.20	-0.91	-0.57	-0.78	2.79	610.00
615.	4.95	3.46	-0.90	-0.05	-0.11	2.77	615.00
620.	5.07	2.80	0.15	-1.08	-0.04	2.72	620.00
625.	5.61	2.73	-0.64	-0.60	0.02	2.68	625.00
630.	5.34	3.38	-0.62	-0.60	0.09	2.62	630.00
635.	4.96	3.13	-1.00	-0.02	-1.05	2.57	635.00
640.	4.60	3.56	-0.55	-0.31	-0.80	2.44	640.00
645.	4.41	3.03	-0.20	-0.04	-0.21	2.56	645.00
650.	4.97	3.23	-0.93	-0.33	-0.60	2.42	650.00
655.	4.76	3.01	-1.00	0.17	-0.02	2.40	655.00
660.	5.35	3.04	-0.41	-0.79	-0.40	2.40	660.00
665.	4.21	2.87	-0.64	-0.30	-0.76	2.34	665.00
670.	4.28	3.57	-0.88	-0.15	-0.64	2.31	670.00
675.	4.59	2.79	-0.84	-0.81	-1.01	2.19	675.00
680.	4.20	2.53	-0.32	-0.40	-0.66	2.29	680.00
685.	3.94	2.83	-0.36	-0.49	-0.30	2.17	685.00
690.	4.26	2.48	-0.16	0.33	-1.18	2.11	690.00
695.	4.66	2.75	-0.88	-0.10	-0.44	2.15	695.00
700.	4.43	2.43	-0.43	-0.51	-0.50	2.08	700.00
705.	3.83	3.25	-0.26	-0.49	-1.15	2.11	705.00
710.	3.63	2.62	-0.59	-0.06	-1.08	2.11	710.00
715.	3.48	2.49	-0.40	-0.20	-0.72	2.07	715.00
720.	3.95	2.62	-0.57	-0.48	-0.44	2.00	720.00

TIME	42	43	44	45	46	47	48
725.	4.14	2.62	-0.55	-0.38	0.06	1.93	725.00
730.	4.03	2.76	-0.49	-0.28	-0.09	1.91	730.00
735.	3.82	2.91	-0.31	-0.59	-0.25	1.85	735.00
740.	3.41	2.84	-0.66	0.00	-0.85	1.84	740.00
745.	3.84	2.79	-0.64	0.14	-0.70	1.76	745.00
750.	3.51	2.73	-0.65	-0.43	-0.63	1.72	750.00
755.	3.60	2.78	-0.49	-0.34	-0.57	1.61	755.00
760.	4.27	1.89	-0.26	-0.09	-0.73	1.63	760.00
765.	3.57	2.01	-0.38	0.09	-0.80	1.64	765.00
770.	3.70	2.75	-0.87	-1.22	-0.28	1.69	770.00
775.	3.22	2.95	-0.66	0.11	-0.95	1.64	775.00
780.	3.22	2.04	-0.63	-0.27	-0.88	1.63	780.00
785.	3.13	2.78	-1.07	0.04	-0.99	1.55	785.00
790.	2.95	2.27	-0.44	-0.83	-0.25	1.42	790.00
795.	3.44	2.18	-0.43	-0.32	-0.49	1.30	795.00
800.	2.55	2.61	-0.38	-0.23	-0.66	1.21	800.00
805.	2.89	2.02	-0.23	-0.58	-0.76	1.20	805.00
810.	3.32	1.61	-0.19	-0.27	-0.80	1.15	810.00
815.	2.84	2.52	-1.09	0.47	-0.99	1.15	815.00
820.	2.77	2.53	-0.74	-0.10	-0.53	1.08	820.00
825.	2.59	2.11	-0.60	0.14	-0.69	1.14	825.00
830.	2.66	1.90	-0.52	0.10	-0.92	1.11	830.00
835.	2.78	1.98	-0.76	-0.02	-0.27	1.07	835.00
840.	2.95	1.79	-0.60	-0.15	-0.47	1.05	840.00
845.	2.77	1.75	-0.66	-0.28	-0.53	1.03	845.00
850.	2.53	1.78	-0.40	-0.35	-0.78	1.04	850.00
855.	2.49	1.70	-0.29	-0.13	-0.49	1.01	855.00
860.	2.55	2.37	-0.53	-0.09	-0.56	0.99	860.00
865.	2.39	1.87	-0.40	0.04	-0.66	0.98	865.00
870.	2.19	2.05	-0.57	0.04	-0.75	0.96	870.00
875.	2.56	1.78	-0.35	-0.19	-0.80	0.94	875.00
880.	2.73	1.81	-0.45	-0.20	-0.20	0.94	880.00
885.	2.48	1.80	-0.65	-0.10	-0.62	0.92	885.00
890.	2.76	1.63	-0.45	0.18	-0.51	0.88	890.00
895.	2.60	2.14	-0.88	0.23	-0.40	0.87	895.00
900.	2.56	1.93	-0.55	-0.14	-0.56	0.84	900.00
905.	2.55	1.69	-0.40	-0.12	-0.66	0.83	905.00
910.	2.25	1.61	-0.65	-0.14	-0.30	0.84	910.00
915.	1.72	2.05	-0.55	-0.24	-0.75	0.80	915.00
920.	2.33	1.67	-0.39	0.00	-0.73	0.81	920.00
925.	2.24	1.46	-0.38	-0.09	-0.46	0.82	925.00
930.	2.46	1.75	-0.31	-0.28	-0.37	0.78	930.00
935.	2.23	2.43	-0.83	0.24	-0.24	0.76	935.00
940.	2.31	1.62	-0.55	-0.10	-0.73	0.76	940.00
945.	2.08	1.63	-0.35	-0.20	-0.33	0.74	945.00
950.	2.28	1.81	-0.21	-0.30	-0.09	0.72	950.00
955.	2.37	1.32	-0.65	0.38	-0.96	0.68	955.00
960.	1.73	1.61	-0.79	0.22	-0.54	0.65	960.00
965.	2.35	1.83	-0.56	-0.11	-0.30	0.67	965.00
970.	2.10	1.65	-0.88	0.03	-0.53	0.69	970.00

PRC2-W-3-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	22.35	22.12	22.07	22.07	21.65	21.63	21.25	22.63	22.50	22.40	22.32	22.30	22.22	22.10
0.	22.30	22.07	21.97	22.10	21.63	21.47	21.30	22.55	22.47	22.40	22.45	22.40	22.25	22.10
0.	22.30	22.17	22.02	22.05	21.67	21.50	21.35	22.60	22.52	22.45	22.40	22.40	22.17	22.12
0.	22.32	22.20	22.00	22.07	21.67	21.52	21.27	22.60	22.50	22.40	22.40	22.38	22.20	22.10
0.	22.32	22.12	22.07	22.15	21.75	21.45	21.22	22.60	22.57	22.45	22.40	22.38	22.22	22.10
0.	22.30	22.15	21.92	22.07	21.75	21.47	21.30	22.55	22.52	22.47	22.40	22.32	22.27	22.10
0.	22.27	21.97	21.77	21.85	21.22	21.20	20.82	22.42	22.35	22.27	22.20	22.22	22.05	22.02
0.	22.25	21.92	21.80	21.97	21.27	21.10	20.90	22.47	22.30	22.22	22.17	22.22	22.12	22.00
0.	22.25	21.97	21.72	22.00	21.50	21.13	21.05	22.50	22.30	22.30	22.17	22.22	22.07	21.97
0.	22.20	21.85	21.75	21.97	21.70	21.22	21.10	22.47	22.38	22.30	22.20	22.20	22.07	22.00
0.	22.20	21.90	21.65	22.05	21.72	21.15	21.07	22.45	22.30	22.22	22.17	22.20	22.10	21.92
0.	22.20	21.95	21.72	22.02	21.67	21.20	21.07	22.45	22.38	22.25	22.20	22.20	22.05	21.90
0.	22.22	21.90	21.72	22.00	21.45	21.27	21.05	22.40	22.27	22.22	22.22	22.25	22.07	22.00
5.	22.30	22.42	22.32	22.32	22.00	21.88	21.13	24.30	27.67	26.57	23.37	22.50	22.40	22.42
10.	24.35	26.82	27.30	22.70	21.67	21.70	21.13	26.67	34.49	31.24	30.34	29.95	29.27	27.90
15.	33.07	33.80	23.82	22.85	21.57	21.50	21.38	29.02	39.66	34.93	34.27	32.90	33.39	33.10
20.	39.00	32.58	24.27	22.95	22.12	21.65	21.47	29.27	40.27	37.54	36.98	35.78	35.98	34.76
25.	38.98	34.61	23.50	22.60	22.00	21.67	21.50	29.42	41.56	38.00	39.39	38.80	38.78	37.85
30.	40.00	30.56	22.55	22.35	21.88	21.75	21.77	29.58	41.93	39.44	40.66	40.19	40.24	39.63
35.	41.27	36.80	26.00	22.05	21.85	21.82	21.57	29.85	42.34	40.90	41.19	40.27	39.88	40.10
40.	42.00	34.27	22.52	22.05	21.75	21.85	21.70	29.73	43.56	41.15	40.71	39.93	39.68	39.32
45.	41.51	39.05	23.42	22.30	21.92	21.22	21.00	29.66	43.88	42.54	41.05	40.34	41.00	41.24
50.	42.61	33.19	22.55	22.57	21.70	21.45	21.27	29.83	43.45	41.95	42.80	42.07	41.44	41.17
55.	43.61	36.88	22.80	22.67	21.55	21.52	21.32	30.68	46.58	43.27	44.29	43.95	43.46	42.90
60.	42.83	37.07	23.00	22.67	22.02	21.82	21.88	32.12	50.68	47.41	49.27	46.71	43.39	41.54
65.	50.61	45.88	29.67	22.47	22.02	21.70	21.60	33.44	56.44	54.98	53.10	48.32	44.85	42.83
70.	51.93	46.15	29.92	22.32	21.90	21.82	21.65	36.27	61.55	57.83	58.76	55.19	49.66	47.32
75.	65.79	35.78	23.10	22.52	22.15	22.07	21.57	40.93	70.07	64.93	62.55	58.07	58.68	56.58
80.	75.78	40.17	25.25	22.75	21.90	21.60	21.50	43.78	80.62	77.41	71.95	66.12	63.21	59.38
85.	72.00	55.51	29.76	22.50	21.97	21.85	21.47	48.61	91.57	84.00	79.83	75.98	75.78	70.66
90.	85.57	47.58	31.63	22.45	21.95	21.50	21.32	52.63	104.98	94.81	92.86	92.50	89.12	80.00
95.	101.39	80.05	32.51	22.57	22.12	21.47	21.32	57.98	120.00	116.90	107.34	100.32	93.33	84.74
100.	112.63	100.78	33.98	22.82	21.82	21.85	21.32	62.69	135.52	123.54	122.22	109.37	104.05	94.36
105.	121.46	94.57	36.02	22.70	22.02	21.57	21.32	67.12	144.92	138.77	138.47	120.83	114.51	109.83
110.	147.20	114.95	51.34	22.75	22.05	21.72	21.30	73.02	163.32	151.45	149.97	140.25	137.60	125.56
115.	169.55	147.27	27.77	23.22	22.27	22.25	21.77	79.05	186.25	178.50	172.52	162.52	151.95	145.80
120.	193.37	170.45	43.34	23.52	22.38	22.17	21.92	88.38	201.42	193.35	189.25	177.97	172.07	164.10
125.	207.07	164.40	50.51	23.57	22.30	22.20	21.70	102.05	227.22	220.25	207.71	193.77	185.32	183.45
130.	234.85	227.02	58.74	24.42	21.85	21.57	21.57	116.54	253.88	236.27	238.00	231.72	222.22	222.80
135.	272.12	228.80	70.83	24.35	22.55	22.15	21.57	126.44	291.19	269.37	275.41	268.93	252.34	239.12
140.	294.44	268.39	78.22	24.63	22.25	21.92	21.63	141.80	311.39	289.83	282.56	269.10	269.07	264.85
145.	305.02	276.78	58.02	25.07	22.27	22.50	21.65	153.02	318.71	309.12	313.37	311.54	292.90	311.58
150.	317.63	268.39	76.63	25.07	23.20	22.57	21.60	164.77	326.38	315.07	327.62	315.69	310.10	305.68
155.	314.95	260.29	95.90	25.35	22.50	22.67	21.75	174.32	348.07	325.12	340.17	327.45	320.86	308.78
160.	323.31	273.56	83.33	25.55	22.63	22.65	21.95	179.82	347.98	326.33	340.98	323.26	315.76	309.10
165.	329.59	291.73	82.19	25.60	22.90	22.82	22.45	183.70	347.57	327.07	345.66	329.52	330.33	339.41
170.	319.67	294.05	64.31	25.57	22.40	22.57	22.17	186.13	346.64	345.54	346.62	348.54	327.50	322.81
175.	318.71	256.66	45.85	26.38	24.17	23.37	22.42	189.97	347.31	340.05	342.40	346.71	339.07	325.29
180.	322.95	274.63	75.73	27.02	23.40	23.00	22.65	196.37	346.98	326.38	343.40	346.37	320.64	315.29
185.	325.59	264.56	66.67	27.00	23.37	23.25	21.90	201.57	362.98	341.95	341.86	346.05	344.46	346.24

PRC2-W-3-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
190.	322.45	295.05	46.68	27.60	24.25	22.57	21.57	201.52	352.02	340.31	345.38	347.24	341.88	341.58
195.	316.00	310.17	73.00	27.95	25.88	23.10	22.15	200.85	341.95	341.38	342.09	327.12	316.15	292.54
200.	326.76	222.35	35.63	28.05	24.15	23.90	22.40	205.32	355.90	344.51	343.38	345.44	328.40	323.86
205.	321.69	265.93	59.50	27.92	23.67	22.97	22.40	206.17	354.36	346.39	342.59	346.54	340.51	321.07
210.	320.69	263.05	64.40	28.37	23.47	23.00	23.37	206.27	341.90	328.36	344.10	340.17	339.19	330.26
215.	319.12	244.07	71.56	28.82	24.20	22.60	23.42	207.58	350.83	345.29	346.45	340.79	330.07	326.52
220.	316.57	279.34	48.29	28.02	22.50	23.00	23.50	217.50	346.33	342.10	344.26	345.80	330.07	324.79
225.	323.21	268.98	53.49	27.63	22.55	22.88	22.85	219.25	354.24	343.05	329.55	328.17	340.32	341.17
230.	321.31	267.12	73.29	27.57	22.80	23.22	22.77	220.85	344.57	338.63	346.51	340.27	329.52	323.48
235.	324.29	312.29	78.88	27.20	22.52	22.88	23.22	224.07	357.29	327.69	342.07	327.81	338.66	321.83
240.	317.67	285.66	67.07	26.82	22.88	22.72	22.95	220.77	353.55	330.12	342.12	324.48	317.29	312.21
245.	313.93	290.10	95.19	27.02	24.13	22.70	22.30	224.15	341.57	330.07	344.95	339.07	340.63	326.29
250.	314.00	273.80	102.10	28.00	23.02	22.77	22.67	221.00	349.32	318.45	327.02	324.52	318.76	309.10
255.	312.45	288.24	94.17	27.40	22.75	22.52	22.42	228.80	346.39	327.00	329.36	321.69	320.14	324.29
260.	316.49	292.73	72.34	27.40	22.90	22.52	22.38	224.20	343.61	327.09	329.36	325.69	321.62	312.38
265.	311.67	297.05	54.54	27.35	23.13	22.97	23.30	225.07	348.39	324.95	327.19	325.29	324.31	313.95
270.	312.29	259.80	61.88	27.72	23.32	23.40	22.70	226.45	340.10	316.93	319.50	317.68	306.56	314.09
275.	310.29	264.34	89.69	26.97	23.20	23.45	22.52	228.20	344.27	327.76	340.78	327.90	319.52	317.17
280.	316.85	273.51	60.95	27.35	23.07	22.75	22.55	229.70	340.61	324.81	345.27	330.24	324.86	314.12
285.	317.61	303.00	62.31	29.00	23.85	22.60	22.67	229.07	342.44	315.79	319.43	314.74	315.50	313.26
290.	310.00	228.56	88.59	28.47	22.35	22.52	22.38	230.15	329.74	321.26	324.38	321.33	327.02	328.36
295.	312.22	253.39	114.05	29.97	24.85	22.67	22.88	230.77	341.95	323.12	329.57	330.09	324.40	325.09
300.	315.02	288.68	106.63	28.97	23.37	22.92	21.97	227.85	325.36	317.95	326.09	320.86	318.24	319.19
305.	314.61	267.68	83.83	28.70	23.30	23.10	23.15	233.30	327.33	317.29	329.83	323.86	313.02	305.73
310.	317.34	297.39	70.95	27.60	22.85	22.92	22.67	231.82	343.80	318.05	314.74	317.14	317.12	315.40
315.	311.98	289.07	57.63	28.17	23.92	22.72	22.55	232.22	339.32	315.07	316.45	316.58	316.00	312.90
320.	309.63	277.78	62.55	28.10	22.95	22.85	22.60	232.82	326.21	316.76	315.31	317.02	314.05	316.98
325.	311.93	291.24	65.12	28.37	23.20	22.95	22.15	230.29	326.74	320.02	321.57	316.36	317.19	315.22
330.	312.34	291.85	118.05	28.63	22.63	22.70	23.13	228.90	328.71	318.02	319.64	314.33	314.21	315.81
335.	305.71	271.39	102.17	28.55	25.13	22.72	22.47	230.82	320.45	311.83	316.83	313.79	318.55	327.43
340.	306.29	274.37	40.24	27.80	22.47	22.82	23.05	232.85	323.09	311.29	317.71	314.00	316.49	310.98
345.	307.54	258.32	66.59	27.88	23.60	22.95	22.85	228.93	327.71	315.73	315.58	315.61	310.73	310.78
350.	303.95	250.88	80.14	28.57	23.60	22.55	22.80	228.61	325.38	313.62	318.93	316.73	311.78	313.56
355.	290.44	267.41	95.79	28.52	24.25	22.67	22.72	227.85	321.48	316.51	316.07	317.88	316.02	311.81
360.	304.44	274.89	84.00	28.72	22.95	23.02	23.70	229.00	319.57	313.56	315.63	312.61	310.80	293.45
365.	302.76	236.37	77.19	28.80	23.42	23.17	22.88	227.98	315.31	312.73	317.93	312.90	315.50	317.55
370.	290.95	287.56	69.68	29.07	22.90	23.00	22.82	227.95	312.90	313.93	313.95	308.54	305.88	315.17
375.	293.26	285.56	63.69	28.22	23.07	23.13	23.42	232.77	320.19	310.86	311.88	316.73	306.76	301.49
380.	302.76	263.76	75.76	28.47	24.57	22.72	22.25	230.19	315.57	315.10	311.45	309.76	303.07	291.07
385.	291.64	264.29	65.40	29.00	23.75	22.50	23.45	231.71	322.67	308.02	309.00	308.29	306.00	306.10
390.	295.93	277.32	103.07	28.80	25.65	23.15	22.67	231.05	316.43	313.19	313.45	311.05	302.61	291.83
395.	293.67	273.98	74.61	28.75	23.15	22.52	22.47	229.05	312.43	313.88	310.86	309.29	306.66	312.34
400.	294.12	277.00	56.39	28.63	24.25	23.02	22.82	231.63	322.48	314.05	311.05	309.61	310.93	314.83
405.	291.17	275.44	59.15	28.85	23.90	23.27	23.02	232.10	317.15	308.12	307.41	307.66	304.78	307.19
410.	293.90	275.10	54.61	29.02	23.50	22.70	22.55	232.49	314.55	313.32	314.90	311.14	315.88	311.05
415.	293.36	259.24	63.09	28.77	23.92	22.50	23.07	233.61	312.26	313.93	317.83	316.68	315.80	309.54
420.	291.78	278.02	77.41	29.10	23.32	22.90	23.50	232.37	311.29	306.19	308.32	307.12	301.78	291.32
425.	296.19	266.07	55.78	29.35	25.10	22.92	23.52	232.37	314.07	310.41	313.66	309.66	302.98	306.88
430.	296.44	263.46	50.15	29.57	23.20	22.92	23.55	230.29	310.93	308.54	306.51	293.76	292.40	306.95
435.	297.39	275.05	77.95	29.57	23.97	23.02	22.47	230.78	313.71	305.27	310.24	305.05	294.09	309.10

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
440.	291.22	261.63	77.81	29.02	23.57	22.90	22.80	230.27	308.68	304.68	305.73	302.22	301.93	309.27
445.	289.68	256.05	61.31	28.65	24.38	23.17	22.22	231.51	313.98	302.88	306.93	302.66	290.74	294.95
450.	289.73	269.46	60.57	28.97	23.63	23.02	22.12	229.12	310.98	301.68	307.73	294.29	295.02	304.76
455.	284.71	268.29	81.00	28.75	23.40	22.40	23.00	230.22	310.78	304.61	306.90	291.19	292.12	291.19
460.	294.68	253.05	65.81	28.77	23.87	22.50	22.25	230.05	309.17	292.24	293.86	296.49	292.07	293.63
465.	284.61	249.46	92.69	28.57	24.25	22.55	22.52	230.58	307.56	296.95	292.17	296.90	296.10	303.83
470.	282.39	244.85	72.12	28.88	22.75	22.65	23.85	230.58	308.61	293.17	292.81	296.22	291.12	296.41
475.	287.22	262.12	61.02	29.02	22.70	22.20	23.55	229.07	305.56	293.12	306.29	292.38	296.54	293.98
480.	282.00	238.66	86.64	29.27	22.70	22.75	23.30	228.95	301.80	294.05	296.37	290.15	284.88	290.17
485.	278.76	261.17	62.64	28.77	23.02	22.63	23.27	228.02	306.10	295.73	303.71	291.95	293.44	295.02
490.	273.83	242.54	72.44	27.97	22.80	22.72	23.10	228.73	290.90	291.90	296.41	293.02	290.56	289.29
495.	269.56	249.10	79.44	28.35	22.97	22.63	23.87	228.05	293.19	289.46	293.39	290.02	286.19	283.44
500.	268.56	236.68	60.69	30.29	22.82	22.82	23.10	231.45	297.61	287.49	290.51	293.39	289.54	291.73
505.	276.34	244.02	60.67	29.38	23.17	22.97	23.97	231.50	297.27	283.51	288.15	287.46	282.34	274.68
510.	268.85	256.95	79.37	28.42	22.95	22.95	23.60	229.82	290.71	282.63	287.68	282.85	276.00	275.63
515.	275.78	246.80	63.02	28.22	22.90	22.88	23.50	228.02	286.41	282.10	285.05	278.12	272.51	262.51
520.	270.66	230.24	55.90	27.47	22.45	22.45	23.02	226.25	279.32	276.15	276.56	272.15	266.98	271.95
525.	261.71	243.54	77.05	27.82	24.60	22.32	22.75	226.02	279.73	276.17	277.88	274.68	271.10	268.39
530.	258.68	228.63	79.76	27.80	23.57	22.32	22.67	223.22	278.12	271.68	272.07	269.05	262.71	265.17
535.	258.41	234.46	78.22	27.45	25.80	22.40	22.88	222.07	274.78	270.54	273.10	269.02	262.29	262.07
540.	261.49	229.90	45.24	27.47	24.32	24.80	22.88	221.05	276.39	268.00	269.29	263.63	261.76	271.32
545.	244.80	230.35	60.88	28.40	23.30	22.57	22.72	222.52	270.56	263.73	263.85	262.83	263.10	267.71
550.	251.15	230.37	45.56	28.75	23.90	22.75	22.35	220.90	269.61	264.46	265.05	261.02	251.61	247.71
555.	240.85	202.62	47.34	30.24	23.02	22.75	23.10	218.05	267.29	262.46	262.80	257.85	255.41	250.51
560.	247.05	229.57	53.76	31.78	25.75	22.70	23.15	215.97	262.29	257.32	256.90	253.58	252.37	255.15
565.	235.76	227.85	76.56	29.58	25.50	22.92	22.95	215.38	259.61	255.71	251.49	250.19	248.07	248.10
570.	244.93	201.80	71.00	29.30	25.32	22.63	22.85	214.30	258.78	254.27	254.54	250.10	241.98	241.80
575.	240.46	231.65	56.51	27.97	25.02	22.65	23.45	208.12	253.68	250.15	249.07	246.58	242.44	249.50
580.	235.24	223.95	36.80	27.63	24.60	24.10	22.45	205.32	250.85	247.83	248.39	243.51	238.12	239.83
585.	228.78	217.27	51.90	27.85	23.77	22.10	22.10	203.66	246.41	241.07	241.93	237.76	234.29	235.10
590.	233.17	207.34	56.66	27.75	23.55	22.65	22.35	202.49	245.19	241.19	243.66	241.19	240.07	237.58
595.	232.60	203.85	64.88	27.20	26.15	22.67	22.50	202.51	244.87	241.07	243.49	242.44	238.07	240.10
600.	229.37	214.25	72.05	27.38	22.92	22.75	23.25	200.17	235.76	232.98	233.02	232.76	228.51	230.85
605.	228.05	200.57	53.12	27.50	23.37	22.88	23.17	202.55	229.68	228.51	229.95	229.71	232.17	229.68
610.	203.44	192.92	90.52	29.97	23.37	22.65	23.70	198.10	218.85	219.02	215.05	216.17	207.02	213.75
615.	197.97	177.02	70.88	28.20	23.95	23.42	21.77	194.32	202.34	198.93	199.27	201.97	199.27	195.97
620.	183.95	176.02	67.48	26.97	24.17	21.97	21.65	190.65	199.00	197.02	193.40	194.95	193.97	195.17
625.	184.02	151.00	74.02	29.90	27.02	22.20	22.42	186.87	191.25	188.80	187.67	187.52	185.42	185.12
630.	178.95	165.90	81.67	26.50	25.47	23.40	22.25	185.20	187.85	187.12	182.70	180.85	177.57	177.89
635.	178.82	168.80	121.10	27.80	22.70	21.88	21.85	183.13	183.55	180.72	176.17	176.37	173.63	170.22
640.	172.62	168.72	87.40	29.52	23.77	22.00	21.57	180.80	180.87	179.47	176.90	176.70	172.38	172.40
645.	167.05	155.02	70.80	28.07	23.05	21.82	21.82	177.72	173.22	172.42	170.72	170.50	168.55	166.65
650.	164.05	150.07	71.90	27.45	23.82	22.10	22.07	176.40	170.00	166.80	167.60	170.30	169.13	169.52
655.	163.02	146.60	84.38	26.97	23.40	22.35	22.10	173.75	169.17	167.42	166.10	165.82	163.80	163.20
660.	154.50	143.05	73.78	27.00	23.50	22.30	22.50	172.32	162.27	162.57	159.00	160.57	160.02	159.52
665.	157.30	128.37	50.39	26.40	23.65	22.05	22.35	171.35	164.47	161.07	157.38	158.02	153.65	155.60
670.	148.35	149.65	72.78	26.10	22.70	22.65	22.30	169.25	160.32	154.45	155.42	156.47	154.62	154.80
675.	151.65	143.17	70.34	25.55	22.47	22.07	22.50	167.30	155.97	152.25	152.55	152.47	148.37	150.55
680.	151.30	120.66	65.36	25.27	22.45	22.12	22.90	166.25	152.55	147.50	147.38	147.40	145.85	149.52
685.	147.12	129.41	58.80	26.20	23.45	22.30	22.50	164.42	148.95	147.38	147.80	148.72	144.90	146.60

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
690.	139.95	135.20	78.09	26.22	24.27	22.50	22.65	162.22	147.90	146.12	147.05	146.92	143.27	143.02
695.	142.07	125.49	46.63	26.42	26.35	22.85	23.00	160.27	144.22	139.02	140.63	145.67	142.63	142.40
700.	136.38	123.51	53.88	26.27	24.45	23.52	22.82	159.75	143.85	141.97	141.55	142.25	140.27	139.13
705.	136.47	117.19	33.71	25.92	23.17	22.80	22.20	159.47	146.15	143.95	140.85	142.47	136.92	138.80
710.	138.52	120.39	33.07	25.47	23.70	21.95	21.63	158.62	146.65	143.65	142.47	143.72	140.10	138.17
715.	134.97	134.02	58.43	25.72	22.30	22.57	23.20	157.57	143.65	140.27	139.02	138.65	136.27	137.65
720.	134.85	110.39	73.27	25.17	22.40	22.42	23.07	156.32	140.90	139.85	140.05	140.42	140.40	141.20
725.	127.63	123.22	78.83	26.52	24.80	22.40	21.97	155.72	135.95	133.30	136.63	139.67	135.50	134.75
730.	134.25	124.73	74.66	25.55	23.82	22.25	22.00	154.40	137.27	135.17	134.62	136.97	133.67	134.22
735.	127.90	124.58	62.31	25.32	23.07	22.30	22.30	153.47	134.25	129.76	133.67	129.76	126.83	126.24
740.	129.39	121.61	59.98	25.65	23.22	22.07	22.10	152.80	138.25	134.20	133.82	128.05	123.98	126.51
745.	123.44	119.98	71.22	27.42	22.92	22.52	22.42	151.17	134.25	134.95	133.37	127.41	124.24	124.83
750.	124.12	119.56	65.21	26.27	24.70	22.92	22.35	150.70	127.34	125.76	127.56	129.17	127.19	129.63
755.	122.95	122.02	38.44	27.30	24.20	23.37	22.85	150.15	129.56	126.02	122.02	128.29	124.76	125.85
760.	126.29	115.68	38.88	26.20	22.70	23.20	22.07	149.55	125.58	124.90	126.39	127.95	125.76	126.44
765.	121.78	106.34	62.14	28.32	22.45	22.10	22.07	147.88	122.58	121.80	123.02	125.07	124.12	124.00
770.	122.80	110.17	55.34	28.00	22.55	22.77	22.30	146.85	120.80	121.83	123.15	121.27	119.90	121.49
775.	118.05	111.54	49.78	26.88	23.80	22.67	22.25	145.75	118.19	117.27	116.71	118.32	116.58	118.76
780.	120.58	112.58	63.55	25.47	22.15	22.57	22.35	145.77	120.49	119.34	119.83	121.41	116.19	117.98
785.	112.39	109.83	58.05	25.10	23.22	22.55	22.52	144.95	118.32	118.07	116.37	117.85	113.19	112.60
790.	119.41	88.79	56.44	28.35	22.70	22.25	22.27	144.20	117.37	118.34	119.29	121.27	115.46	118.73
795.	118.24	111.66	72.61	25.60	22.67	22.65	22.25	144.22	118.07	118.27	119.00	119.10	115.07	115.17
800.	118.93	88.38	66.93	24.55	22.82	23.20	22.60	142.32	116.32	113.56	114.05	113.19	109.37	109.22
805.	115.22	106.32	77.98	24.75	22.40	22.05	22.17	143.88	115.32	112.88	110.83	112.98	108.00	110.07
810.	113.71	106.54	63.95	26.17	22.55	22.40	23.40	144.40	114.65	113.63	115.83	117.98	114.49	115.73
815.	114.54	103.05	57.85	26.47	23.63	23.27	21.92	143.00	115.98	117.85	117.58	115.66	110.85	111.78
820.	109.83	101.83	67.64	25.52	22.67	22.12	22.20	142.05	114.58	112.95	112.17	112.88	110.10	111.98
825.	110.63	104.15	56.07	25.92	22.35	22.07	22.25	141.67	111.02	111.95	111.73	114.56	108.63	109.07
830.	111.49	106.17	57.93	25.95	22.55	22.32	22.20	141.63	111.32	109.15	106.54	106.54	102.98	106.19
835.	109.51	102.41	46.51	25.25	22.10	22.38	22.55	141.27	110.54	106.49	104.07	105.66	103.98	105.88
840.	109.10	102.76	41.51	25.52	22.45	22.32	22.02	140.45	108.37	103.68	105.00	108.68	105.17	110.07
845.	109.12	90.59	48.46	25.65	23.52	22.05	21.02	139.05	107.05	105.41	105.17	107.56	105.39	108.24
850.	107.68	96.83	59.02	25.97	24.92	22.42	21.78	137.90	105.24	103.39	103.44	104.98	103.63	106.37
855.	105.46	94.50	51.19	28.13	24.65	22.42	21.95	137.40	104.32	102.88	103.83	105.68	103.10	103.17
860.	104.00	96.79	41.19	26.35	22.88	22.65	21.75	135.85	104.10	102.15	104.02	107.03	104.39	106.73
865.	97.52	96.00	37.76	25.47	23.32	22.38	22.82	136.47	104.71	100.90	101.10	104.07	101.85	103.10
870.	103.73	94.76	59.33	26.88	23.22	22.90	23.22	136.85	103.66	101.95	100.15	96.21	93.95	92.45
875.	97.55	92.45	51.98	25.60	22.88	22.70	22.55	137.85	104.15	96.43	97.21	101.95	95.81	96.52
880.	100.78	89.55	35.78	25.22	22.75	22.38	22.57	137.13	103.46	100.51	102.00	101.19	96.90	97.36
885.	97.57	80.43	55.02	28.50	23.67	23.00	21.85	138.45	105.07	95.50	95.38	96.81	93.38	95.24
890.	102.17	92.12	56.54	26.02	23.55	22.02	21.97	136.97	103.10	97.02	101.63	97.00	94.02	95.50
895.	94.26	90.33	46.46	26.77	23.32	22.65	22.40	134.67	101.88	100.95	100.85	100.41	94.19	95.31
900.	104.80	93.07	50.68	26.75	23.40	22.25	21.95	133.60	101.15	100.68	100.15	100.85	95.68	100.15
905.	95.19	77.29	37.15	25.30	22.22	22.17	22.77	133.27	97.40	95.59	94.55	96.85	92.14	95.29
910.	100.37	87.26	66.45	24.72	22.38	22.10	22.35	134.85	103.90	96.76	93.26	92.88	92.00	94.50
915.	97.57	89.00	36.15	25.00	21.80	22.02	22.30	129.39	92.98	91.45	92.19	92.09	89.64	93.05
920.	91.07	87.21	41.10	25.92	22.57	22.25	22.38	134.65	96.00	91.90	91.50	91.02	87.07	91.00
925.	93.81	84.38	55.22	26.75	22.15	21.85	21.45	133.27	92.52	91.12	91.26	91.31	89.67	91.74
930.	90.36	86.17	57.32	29.85	22.65	22.30	21.82	134.72	94.02	89.95	90.64	89.83	89.12	90.71
935.	92.79	83.07	58.55	28.25	22.22	21.97	22.67	134.55	101.93	90.95	89.19	87.59	86.69	91.36

PRC2-W-3-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
940.	92.24	85.02	50.71	28.00	22.67	22.20	22.20	135.00	104.93	96.09	93.12	88.38	86.05	89.45
945.	94.19	82.69	58.48	26.05	22.22	22.17	21.88	129.51	92.52	91.52	89.86	89.76	86.45	88.29
950.	87.62	78.41	50.32	26.60	21.82	21.70	21.80	125.80	90.09	86.95	87.93	89.69	88.36	90.21
955.	87.76	70.32	48.32	25.80	22.30	21.72	22.22	126.83	101.15	91.02	88.52	89.76	86.02	87.86
960.	88.26	82.71	45.24	25.55	23.67	21.90	21.80	127.68	94.74	87.59	88.64	91.45	87.12	86.79
965.	89.43	81.93	38.98	25.42	23.30	22.45	21.82	126.90	92.09	88.00	89.05	90.79	86.17	85.86
970.	89.38	82.48	51.49	29.61	22.77	21.80	21.80	126.66	90.36	87.33	89.83	90.26	87.62	88.69
975.	93.31	81.74	51.19	26.85	22.27	22.15	21.63	127.88	93.19	90.48	91.05	89.76	85.45	88.33
980.	91.14	83.02	51.66	26.30	22.75	22.30	22.17	128.66	101.85	90.57	89.50	91.64	89.26	86.67
985.	91.29	70.51	50.24	25.97	23.50	22.32	21.97	129.07	107.71	94.69	91.59	89.02	85.50	84.93
990.	85.86	80.50	50.54	26.40	23.80	21.97	22.20	129.02	103.27	91.93	88.57	88.79	85.36	89.05

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	22.00	22.00	21.85	21.77	21.67	21.70	21.50	21.38	21.13	21.50	22.42	0.00	0.00	0.00
0.	21.97	21.97	21.85	21.82	21.67	21.65	21.47	21.35	21.15	21.50	22.38	0.00	0.00	0.00
0.	22.05	21.95	21.82	21.80	21.72	21.65	21.47	21.32	21.17	21.47	22.45	0.00	0.00	0.00
0.	22.05	22.00	21.90	21.82	21.70	21.70	21.52	21.40	21.17	21.50	22.45	0.00	0.00	0.00
0.	22.02	21.97	21.90	21.88	21.72	21.65	21.55	21.40	21.07	21.55	22.40	0.00	0.00	0.00
0.	22.05	21.92	21.90	21.80	21.65	21.60	21.52	21.38	21.05	21.55	22.42	0.00	0.00	0.00
0.	21.88	21.77	21.75	21.65	21.52	21.50	21.25	21.15	20.95	21.42	22.35	0.00	0.00	0.00
0.	21.85	21.82	21.77	21.63	21.52	21.42	21.30	21.15	20.95	21.45	22.27	0.00	0.00	0.00
0.	21.82	21.72	21.75	21.52	21.42	21.45	21.30	21.22	21.00	21.40	22.30	0.00	0.00	0.00
0.	21.85	21.80	21.75	21.65	21.50	21.42	21.32	21.13	20.97	21.40	22.35	0.00	0.00	0.00
0.	21.80	21.82	21.72	21.57	21.47	21.45	21.25	21.13	20.87	21.42	22.22	0.00	0.00	0.00
0.	21.82	21.77	21.70	21.52	21.42	21.45	21.27	21.20	20.82	21.45	22.32	0.00	0.00	0.00
0.	21.80	21.77	21.72	21.47	21.45	21.40	21.25	21.20	20.85	21.45	22.30	0.00	0.00	0.00
5.	22.38	22.47	22.45	22.22	22.10	21.97	21.65	21.65	21.25	21.57	23.10	0.00	0.00	0.00
10.	27.80	28.52	27.72	24.35	22.60	22.25	21.97	21.75	21.27	21.70	24.32	0.00	0.00	0.00
15.	30.51	27.57	25.13	23.50	22.65	22.25	21.97	21.82	21.50	21.77	25.30	0.00	0.00	0.00
20.	33.76	30.19	26.02	23.42	22.65	22.27	21.95	21.72	21.20	21.77	25.70	0.00	0.00	0.00
25.	37.05	33.83	30.24	24.32	23.42	22.60	22.20	21.97	21.40	21.85	25.97	0.00	0.00	0.00
30.	36.17	32.85	27.82	23.90	23.47	22.40	22.20	22.15	21.42	21.92	25.95	0.00	0.00	0.00
35.	37.85	34.88	31.37	25.47	22.88	22.47	22.07	22.05	21.47	22.12	26.25	0.00	0.00	0.00
40.	39.80	35.95	29.95	24.70	22.67	22.38	21.97	22.02	21.45	22.25	26.38	0.00	0.00	0.00
45.	41.05	38.15	31.71	25.13	22.75	22.42	21.90	21.95	21.47	22.30	26.77	0.00	0.00	0.00
50.	39.27	35.61	31.17	25.07	23.13	22.60	22.22	21.90	21.45	22.32	27.00	0.00	0.00	0.00
55.	38.34	35.17	31.61	25.27	23.32	22.82	22.38	22.07	21.55	22.55	27.47	0.00	0.00	0.00
60.	37.29	33.98	32.02	26.75	23.65	23.05	22.55	22.20	21.60	22.82	28.70	0.00	0.00	0.00
65.	40.49	36.17	31.46	25.72	24.45	23.55	22.45	22.45	21.57	23.20	29.30	0.00	0.00	0.00
70.	44.05	38.41	32.71	26.52	24.00	23.67	22.77	22.65	21.90	23.82	30.27	0.00	0.00	0.00
75.	53.29	42.24	34.68	29.27	25.00	24.27	23.13	23.07	22.07	24.57	32.12	0.00	0.00	0.00
80.	56.19	42.68	37.58	31.34	25.47	24.95	23.42	23.70	22.32	25.67	34.83	0.00	0.00	0.00
85.	63.43	46.88	39.54	30.95	25.90	26.30	24.10	24.15	22.70	26.82	37.80	0.00	0.00	0.00
90.	77.78	59.59	43.37	31.73	27.60	27.07	24.75	24.52	22.55	28.13	40.51	0.00	0.00	0.00
95.	77.74	64.14	45.24	33.49	28.65	28.67	25.38	25.27	23.27	29.77	44.88	0.00	0.00	0.00
100.	88.55	74.93	49.17	32.41	29.40	29.77	26.13	26.38	23.77	31.15	52.32	0.00	0.00	0.00
105.	101.93	82.19	62.90	37.05	30.85	31.22	27.47	27.65	24.47	33.17	58.02	0.00	0.00	0.00
110.	117.17	92.95	72.34	39.41	33.37	33.51	28.82	27.67	24.97	36.17	63.57	0.00	0.00	0.00
115.	144.82	114.76	78.64	40.78	35.46	36.02	29.51	28.92	25.07	38.63	72.58	0.00	0.00	0.00
120.	153.67	136.50	86.19	43.78	38.10	38.12	31.34	30.54	26.85	43.05	79.24	0.00	0.00	0.00
125.	176.70	155.80	113.61	50.76	40.95	43.07	34.27	32.24	28.13	48.49	90.33	0.00	0.00	0.00
130.	196.15	182.47	139.40	57.56	48.19	49.49	34.88	33.88	29.62	56.51	104.05	0.00	0.00	0.00
135.	222.45	195.60	167.77	60.19	53.54	56.78	39.66	40.44	32.29	65.14	119.15	0.00	0.00	0.00
140.	239.51	219.85	163.72	64.79	56.80	60.69	42.60	45.56	34.83	78.27	126.34	0.00	0.00	0.00
145.	282.51	227.30	180.75	75.61	63.43	64.31	46.66	44.29	37.07	88.93	130.57	0.00	0.00	0.00
150.	274.76	236.73	183.92	77.12	60.71	70.56	48.51	47.63	38.19	103.66	150.37	0.00	0.00	0.00
155.	265.68	242.32	194.72	83.21	64.45	65.57	46.61	49.51	40.22	114.17	157.62	0.00	0.00	0.00
160.	289.29	246.19	199.22	89.57	75.00	74.63	48.95	53.49	38.85	119.02	163.42	0.00	0.00	0.00
165.	288.12	232.58	169.17	84.71	66.48	76.12	56.24	58.00	39.54	112.78	169.05	0.00	0.00	0.00
170.	289.54	229.85	173.35	86.93	67.40	78.34	56.17	57.17	40.17	111.27	170.42	0.00	0.00	0.00
175.	304.41	240.07	188.85	91.14	66.71	76.83	55.29	57.78	39.66	110.83	170.97	0.00	0.00	0.00
180.	277.83	238.05	170.30	93.48	73.49	82.05	57.22	57.68	40.63	109.22	174.95	0.00	0.00	0.00
185.	311.95	233.35	180.30	95.49	75.24	77.63	57.66	58.02	40.00	109.29	175.75	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
190.	282.24	233.63	183.40	96.81	81.81	78.58	54.80	58.44	40.34	119.90	180.10	0.00	0.00	0.00
195.	274.66	246.98	175.77	95.93	72.19	73.05	55.49	59.62	43.71	126.76	181.55	0.00	0.00	0.00
200.	297.41	243.73	171.95	101.63	70.49	76.19	56.46	59.74	41.68	134.75	181.27	0.00	0.00	0.00
205.	312.50	239.07	162.00	97.21	75.66	73.83	54.56	58.71	42.10	123.51	182.57	0.00	0.00	0.00
210.	294.00	241.90	200.42	102.10	73.95	72.24	50.71	58.05	44.54	138.20	184.15	0.00	0.00	0.00
215.	279.61	237.54	187.92	103.12	74.29	79.22	56.88	58.61	41.71	125.61	190.57	0.00	0.00	0.00
220.	291.43	229.07	195.63	109.24	75.98	78.95	57.86	66.24	42.34	121.15	192.20	0.00	0.00	0.00
225.	273.05	216.52	199.95	109.15	78.09	77.07	56.10	60.50	42.34	128.27	194.38	0.00	0.00	0.00
230.	276.44	247.68	201.05	103.93	81.79	80.05	58.78	65.76	45.95	123.32	199.62	0.00	0.00	0.00
235.	287.78	242.07	205.34	120.07	83.00	84.43	58.26	65.05	41.80	112.54	201.80	0.00	0.00	0.00
240.	287.68	241.78	193.95	114.56	85.33	93.64	64.00	65.02	39.98	111.66	198.49	0.00	0.00	0.00
245.	305.73	266.41	191.90	112.19	83.48	91.98	62.24	62.29	41.49	116.90	199.49	0.00	0.00	0.00
250.	263.27	239.39	187.22	109.49	88.24	85.69	60.98	67.17	44.02	112.78	201.17	0.00	0.00	0.00
255.	304.24	247.95	175.92	113.46	76.51	83.95	60.29	63.14	41.61	111.66	201.83	0.00	0.00	0.00
260.	277.95	241.32	181.20	121.90	80.36	84.36	62.33	60.50	42.05	112.19	202.73	0.00	0.00	0.00
265.	286.93	235.76	193.00	114.34	86.48	81.79	59.40	63.17	43.63	115.34	204.12	0.00	0.00	0.00
270.	291.02	243.32	202.77	110.85	86.07	83.09	59.74	70.05	44.73	123.85	204.10	0.00	0.00	0.00
275.	292.73	248.12	172.75	111.00	86.00	92.67	62.90	66.71	46.19	129.10	206.29	0.00	0.00	0.00
280.	290.15	235.98	191.00	110.90	80.62	94.21	65.43	66.05	45.02	134.30	207.41	0.00	0.00	0.00
285.	287.32	238.49	185.25	114.22	82.14	84.90	63.50	69.98	49.12	140.63	206.29	0.00	0.00	0.00
290.	283.17	229.54	180.05	105.95	89.19	96.76	64.29	66.00	42.12	137.40	207.37	0.00	0.00	0.00
295.	284.41	232.82	179.55	113.02	81.69	84.93	66.24	67.81	45.27	128.54	208.22	0.00	0.00	0.00
300.	291.00	232.49	187.45	114.22	88.98	91.59	62.62	65.76	47.78	120.10	208.05	0.00	0.00	0.00
305.	284.80	245.71	194.80	109.85	86.98	94.21	64.17	63.64	46.85	124.12	215.92	0.00	0.00	0.00
310.	295.98	234.27	195.22	117.24	101.56	93.14	63.14	71.58	44.49	126.58	215.45	0.00	0.00	0.00
315.	297.39	241.34	189.47	117.15	83.43	90.19	64.57	66.76	46.22	123.66	216.10	0.00	0.00	0.00
320.	311.73	250.58	182.85	124.66	89.69	85.09	63.71	66.12	42.88	124.93	215.63	0.00	0.00	0.00
325.	281.88	232.90	174.82	117.51	81.05	90.57	66.98	67.74	45.80	125.54	217.63	0.00	0.00	0.00
330.	292.19	226.90	172.62	124.88	86.83	95.29	66.07	65.31	42.80	127.66	216.50	0.00	0.00	0.00
335.	283.76	237.29	178.32	110.41	86.00	89.52	63.29	66.36	44.83	133.85	216.60	0.00	0.00	0.00
340.	284.71	231.32	166.95	113.49	85.90	91.52	70.90	65.79	43.66	129.83	216.77	0.00	0.00	0.00
345.	281.05	234.07	189.45	113.63	93.31	100.85	70.66	66.64	43.41	121.85	216.97	0.00	0.00	0.00
350.	287.39	239.39	174.20	111.10	82.00	85.48	61.19	67.40	44.63	133.40	218.30	0.00	0.00	0.00
355.	280.71	224.97	176.75	118.24	78.86	85.71	63.86	70.12	44.78	134.92	218.67	0.00	0.00	0.00
360.	268.98	243.85	185.87	113.22	77.61	84.52	64.86	72.17	42.37	134.60	217.40	0.00	0.00	0.00
365.	307.88	253.90	186.70	115.34	92.33	94.62	65.21	71.51	42.02	123.29	218.15	0.00	0.00	0.00
370.	290.49	235.00	191.57	120.61	97.21	96.19	62.59	59.21	45.90	119.02	218.27	0.00	0.00	0.00
375.	278.80	232.15	183.25	118.00	96.31	94.69	64.88	66.38	42.56	120.27	219.65	0.00	0.00	0.00
380.	271.76	234.98	174.72	122.27	100.51	89.02	59.17	70.63	44.19	122.90	218.95	0.00	0.00	0.00
385.	286.41	231.07	188.02	119.39	88.71	92.71	62.24	66.79	46.24	135.02	220.15	0.00	0.00	0.00
390.	269.90	230.73	190.38	118.17	82.29	95.64	71.44	73.93	44.49	127.44	220.47	0.00	0.00	0.00
395.	306.63	246.93	184.10	118.58	79.40	93.79	70.15	72.39	46.02	125.00	220.15	0.00	0.00	0.00
400.	290.88	240.32	169.30	115.02	82.81	82.88	59.55	70.39	45.32	140.38	219.80	0.00	0.00	0.00
405.	292.00	238.73	165.42	116.39	90.14	92.33	63.83	71.76	43.95	139.17	219.65	0.00	0.00	0.00
410.	285.61	243.07	177.97	118.85	87.26	91.00	65.36	67.07	44.61	125.46	218.52	0.00	0.00	0.00
415.	251.80	231.93	186.20	121.10	90.36	93.79	65.90	67.05	45.90	121.93	219.00	0.00	0.00	0.00
420.	272.88	232.71	187.90	119.39	90.38	104.68	65.83	71.07	43.80	123.17	219.22	0.00	0.00	0.00
425.	278.95	229.15	169.32	119.66	86.19	96.59	73.19	71.41	42.88	124.88	220.50	0.00	0.00	0.00
430.	293.71	230.58	184.85	119.44	95.45	102.39	67.59	64.26	43.34	135.35	219.85	0.00	0.00	0.00
435.	294.39	256.15	186.75	122.98	78.29	87.02	70.88	69.90	42.61	133.35	222.12	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
440.	291.57	234.80	189.17	119.58	96.62	96.31	67.19	69.58	45.39	125.73	221.25	0.00	0.00	0.00
445.	270.27	225.85	194.15	120.66	95.38	95.21	66.29	70.56	49.02	136.25	221.10	0.00	0.00	0.00
450.	303.00	238.12	180.32	124.34	82.62	86.90	63.98	70.22	45.12	135.97	220.17	0.00	0.00	0.00
455.	286.22	230.37	180.62	123.66	86.45	85.00	64.79	66.83	43.00	133.80	220.85	0.00	0.00	0.00
460.	288.98	243.24	198.20	122.76	92.21	102.93	71.12	74.05	45.07	128.56	220.07	0.00	0.00	0.00
465.	278.24	230.38	184.10	122.17	88.02	96.12	72.49	73.10	45.41	128.10	220.25	0.00	0.00	0.00
470.	279.17	228.39	175.52	116.07	91.29	101.34	72.49	75.51	44.41	135.67	221.17	0.00	0.00	0.00
475.	270.76	221.63	181.97	115.10	85.19	94.33	70.05	70.85	44.95	128.83	220.17	0.00	0.00	0.00
480.	275.93	221.95	177.90	124.17	85.76	101.83	69.76	70.07	43.05	129.68	218.75	0.00	0.00	0.00
485.	272.68	229.17	195.42	121.44	89.81	95.52	66.50	73.90	44.88	126.90	217.75	0.00	0.00	0.00
490.	272.88	229.22	173.88	119.22	100.95	100.27	66.02	70.80	44.27	119.15	216.30	0.00	0.00	0.00
495.	258.44	221.35	168.82	120.56	93.36	100.29	66.09	67.43	43.85	120.29	215.38	0.00	0.00	0.00
500.	257.37	205.07	155.70	115.90	81.31	84.14	64.81	71.54	45.51	127.24	215.85	0.00	0.00	0.00
505.	238.58	226.70	173.67	118.68	88.98	83.64	59.74	63.55	44.37	129.61	214.70	0.00	0.00	0.00
510.	262.63	218.15	178.87	118.71	87.98	87.19	62.00	69.83	48.93	127.17	213.85	0.00	0.00	0.00
515.	250.88	226.82	181.52	124.49	96.86	89.81	64.50	66.69	43.10	124.56	207.63	0.00	0.00	0.00
520.	270.32	233.00	170.27	118.39	91.38	85.59	61.67	64.67	46.98	118.56	206.15	0.00	0.00	0.00
525.	240.98	206.17	167.90	117.19	88.21	82.55	60.71	64.07	44.49	121.73	204.10	0.00	0.00	0.00
530.	256.66	218.17	177.45	117.05	93.33	85.40	64.19	67.52	43.80	119.24	202.56	0.00	0.00	0.00
535.	253.98	220.92	174.65	112.71	85.00	85.14	64.29	65.29	44.80	123.54	202.44	0.00	0.00	0.00
540.	256.49	223.40	168.52	109.71	76.37	85.52	64.93	65.59	44.02	122.88	202.07	0.00	0.00	0.00
545.	260.76	194.85	152.60	113.27	84.19	86.81	64.90	62.88	42.71	117.32	200.66	0.00	0.00	0.00
550.	238.95	208.27	150.57	114.93	89.79	90.05	62.29	66.71	41.29	110.61	199.66	0.00	0.00	0.00
555.	237.98	200.22	150.65	116.95	86.05	93.09	63.02	64.21	41.51	106.56	202.02	0.00	0.00	0.00
560.	241.85	201.32	162.12	115.15	87.26	85.17	61.50	59.29	44.73	111.93	200.67	0.00	0.00	0.00
565.	249.34	214.38	141.13	109.05	77.66	89.62	64.74	66.07	44.15	112.46	200.02	0.00	0.00	0.00
570.	235.83	198.42	160.12	114.02	80.26	86.33	63.00	66.19	42.95	110.24	200.45	0.00	0.00	0.00
575.	233.66	202.25	164.15	111.39	87.07	86.29	65.62	64.21	43.37	107.95	198.60	0.00	0.00	0.00
580.	233.98	204.95	151.17	112.00	91.88	84.69	63.00	66.24	45.83	115.80	197.42	0.00	0.00	0.00
585.	233.83	186.65	142.92	108.46	79.81	86.40	62.71	67.14	44.10	118.80	195.27	0.00	0.00	0.00
590.	230.75	171.97	137.15	111.15	83.79	83.24	63.59	61.40	45.05	113.41	194.67	0.00	0.00	0.00
595.	230.77	190.45	144.45	103.83	79.81	87.98	62.71	62.59	44.22	115.76	193.50	0.00	0.00	0.00
600.	227.82	173.90	141.63	97.07	78.12	87.24	65.12	66.81	40.98	111.73	191.97	0.00	0.00	0.00
605.	226.07	170.22	142.52	106.02	83.26	80.81	57.86	61.98	42.17	104.19	189.75	0.00	0.00	0.00
610.	203.54	198.90	172.42	116.00	86.55	83.69	67.02	58.31	41.90	93.95	185.17	0.00	0.00	0.00
615.	192.57	183.45	175.20	138.05	93.71	86.52	63.98	62.07	46.37	104.76	181.22	0.00	0.00	0.00
620.	192.72	180.13	163.67	136.47	93.14	86.76	65.86	65.38	45.68	108.05	178.45	0.00	0.00	0.00
625.	184.32	182.02	171.97	146.70	91.59	85.31	61.26	61.29	46.34	109.83	175.72	0.00	0.00	0.00
630.	173.67	171.90	164.17	148.52	88.95	87.69	66.43	60.98	41.24	94.45	173.88	0.00	0.00	0.00
635.	166.57	165.10	154.45	127.39	80.00	80.59	62.24	65.31	46.17	100.05	172.13	0.00	0.00	0.00
640.	170.77	166.55	160.87	142.00	85.71	78.69	62.05	59.31	43.39	95.74	170.40	0.00	0.00	0.00
645.	160.05	159.40	146.72	126.12	85.38	83.29	66.81	60.48	43.00	89.45	168.20	0.00	0.00	0.00
650.	165.82	161.13	146.67	120.76	78.68	77.67	61.79	58.14	45.32	97.43	166.57	0.00	0.00	0.00
655.	161.95	155.88	146.92	126.71	84.81	79.43	61.76	58.17	45.07	95.45	165.20	0.00	0.00	0.00
660.	157.60	152.80	145.40	123.07	72.66	78.21	60.26	59.74	44.90	94.07	163.62	0.00	0.00	0.00
665.	157.47	148.65	139.07	119.71	78.98	78.29	60.36	58.90	40.58	82.98	162.47	0.00	0.00	0.00
670.	154.15	152.42	142.32	104.63	67.50	76.83	59.74	56.37	42.54	84.88	161.10	0.00	0.00	0.00
675.	151.67	150.82	137.55	100.80	75.05	77.02	61.19	59.14	39.05	85.29	159.30	0.00	0.00	0.00
680.	147.30	142.10	136.17	102.05	71.34	75.02	60.38	58.56	42.44	83.40	157.95	0.00	0.00	0.00
685.	146.77	144.38	135.25	103.73	73.41	72.15	59.05	58.73	43.78	89.17	156.85	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
690.	142.12	139.35	128.93	102.34	72.32	69.85	57.24	52.88	42.34	89.31	155.80	0.00	0.00	0.00
695.	141.92	138.75	133.55	112.49	67.31	71.44	57.95	55.98	42.83	89.59	155.05	0.00	0.00	0.00
700.	138.40	137.25	129.51	113.68	70.93	74.56	57.73	58.10	41.34	87.38	154.38	0.00	0.00	0.00
705.	138.47	136.02	120.66	100.63	67.02	73.80	58.27	56.15	43.83	88.98	152.85	0.00	0.00	0.00
710.	136.32	133.57	119.58	93.55	67.59	71.85	57.46	55.17	43.58	83.17	151.95	0.00	0.00	0.00
715.	137.97	135.60	125.80	91.55	67.38	70.49	52.54	50.17	42.10	86.14	151.20	0.00	0.00	0.00
720.	140.38	129.90	120.73	96.31	67.86	70.56	53.10	52.05	41.63	86.36	150.63	0.00	0.00	0.00
725.	127.78	123.83	115.78	102.88	77.63	75.95	51.19	53.32	42.10	89.55	149.92	0.00	0.00	0.00
730.	128.19	124.46	115.76	102.37	77.81	71.41	56.71	55.63	41.56	83.95	148.42	0.00	0.00	0.00
735.	123.85	120.95	114.85	100.78	76.34	74.78	54.66	55.22	39.29	80.29	148.37	0.00	0.00	0.00
740.	128.83	124.39	118.19	106.39	66.21	66.31	53.93	53.41	41.63	82.36	147.38	0.00	0.00	0.00
745.	122.54	119.37	114.19	101.46	63.33	63.09	49.17	49.85	41.37	87.45	145.65	0.00	0.00	0.00
750.	129.71	124.61	116.39	104.51	73.56	66.43	49.71	46.44	40.05	82.09	145.65	0.00	0.00	0.00
755.	119.27	114.19	109.61	101.80	69.71	63.93	51.41	49.61	40.50	80.19	144.80	0.00	0.00	0.00
760.	125.39	124.07	108.22	96.57	71.00	65.19	49.78	53.19	40.54	81.74	143.52	0.00	0.00	0.00
765.	124.61	124.66	120.10	97.02	75.41	60.74	47.71	50.17	42.32	85.55	143.10	0.00	0.00	0.00
770.	122.24	118.76	111.07	96.17	81.71	63.74	48.76	51.19	41.05	85.17	143.10	0.00	0.00	0.00
775.	112.37	114.88	109.29	94.00	76.93	63.00	47.90	51.37	42.95	86.14	142.07	0.00	0.00	0.00
780.	114.88	111.05	104.00	92.36	78.33	64.76	51.58	51.46	39.22	80.24	140.80	0.00	0.00	0.00
785.	112.02	110.27	96.33	88.79	73.12	62.90	51.41	50.17	41.78	82.14	140.42	0.00	0.00	0.00
790.	117.78	114.49	103.93	87.29	65.26	62.79	51.44	49.51	42.63	82.76	139.67	0.00	0.00	0.00
795.	111.83	105.90	101.56	87.95	72.76	63.00	51.49	51.05	41.68	81.74	138.02	0.00	0.00	0.00
800.	106.68	103.46	97.55	89.17	64.00	61.36	49.78	48.68	41.24	78.02	138.52	0.00	0.00	0.00
805.	106.05	103.32	95.95	92.57	74.00	64.26	51.22	52.12	41.61	80.29	138.57	0.00	0.00	0.00
810.	100.27	103.83	95.31	87.09	71.73	64.69	54.24	51.29	42.71	82.48	137.47	0.00	0.00	0.00
815.	104.63	104.22	101.98	86.57	71.22	61.57	54.10	52.12	42.07	79.86	136.50	0.00	0.00	0.00
820.	109.56	105.51	100.05	88.86	70.83	63.74	49.00	49.78	41.49	79.24	135.72	0.00	0.00	0.00
825.	106.58	106.88	105.19	87.48	69.54	64.31	49.85	48.39	41.32	80.26	135.47	0.00	0.00	0.00
830.	104.90	105.22	101.27	87.19	64.50	64.17	53.10	51.00	41.24	80.74	135.35	0.00	0.00	0.00
835.	101.80	101.78	93.02	78.52	58.80	58.07	48.37	51.46	41.95	78.45	135.27	0.00	0.00	0.00
840.	108.90	107.68	104.61	86.86	61.00	58.31	49.05	49.37	39.41	77.93	134.22	0.00	0.00	0.00
845.	105.61	101.24	94.00	83.76	66.52	60.64	48.78	49.41	39.73	77.24	133.62	0.00	0.00	0.00
850.	104.12	97.19	91.62	81.50	62.26	61.07	50.73	49.49	41.00	79.44	129.58	0.00	0.00	0.00
855.	104.22	104.22	100.54	82.64	61.50	58.76	51.00	51.12	39.17	78.56	128.93	0.00	0.00	0.00
860.	106.71	102.93	94.48	78.17	58.38	59.00	50.49	49.85	39.61	77.66	128.44	0.00	0.00	0.00
865.	102.39	97.59	94.59	79.69	57.88	57.71	47.46	49.19	39.56	78.07	127.58	0.00	0.00	0.00
870.	92.93	92.14	89.12	80.71	64.55	59.14	49.83	46.78	36.27	75.17	127.98	0.00	0.00	0.00
875.	93.50	88.69	83.74	75.19	59.05	60.21	51.27	49.71	37.98	74.02	127.32	0.00	0.00	0.00
880.	96.43	95.09	89.40	78.95	60.21	58.95	48.41	48.02	35.88	73.93	127.15	0.00	0.00	0.00
885.	93.83	92.40	85.98	80.24	64.52	58.02	48.80	46.05	37.34	71.68	126.93	0.00	0.00	0.00
890.	93.86	93.43	90.24	84.95	66.24	59.02	47.15	45.10	37.29	75.88	126.34	0.00	0.00	0.00
895.	94.26	96.02	90.45	82.12	58.14	58.44	49.00	45.46	39.68	75.66	126.22	0.00	0.00	0.00
900.	100.56	95.95	91.43	80.81	54.95	56.05	45.76	46.56	38.41	74.12	125.44	0.00	0.00	0.00
905.	94.74	94.24	89.17	83.64	57.88	57.88	46.46	46.54	37.80	71.90	124.76	0.00	0.00	0.00
910.	94.81	93.19	85.81	79.79	59.22	58.37	48.19	46.27	37.71	70.76	124.44	0.00	0.00	0.00
915.	89.19	86.14	82.33	79.02	59.71	58.40	46.02	44.05	37.80	70.63	124.49	0.00	0.00	0.00
920.	89.98	87.90	83.26	79.19	57.93	58.26	48.07	47.12	38.41	71.07	124.37	0.00	0.00	0.00
925.	86.74	84.05	77.83	74.51	59.00	56.24	46.15	44.44	39.80	72.27	123.46	0.00	0.00	0.00
930.	88.31	87.07	83.17	77.93	65.76	58.19	45.39	47.66	38.93	71.15	123.49	0.00	0.00	0.00
935.	93.36	86.48	80.29	77.10	58.02	58.71	47.27	45.39	38.46	70.34	122.29	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
940.	90.88	83.02	80.62	76.15	61.67	58.24	47.95	44.95	38.98	67.29	122.00	0.00	0.00	0.00
945.	90.45	88.71	85.50	78.12	59.33	59.38	47.58	47.39	38.37	66.74	122.02	0.00	0.00	0.00
950.	87.05	85.64	84.05	75.90	57.24	55.78	46.78	46.58	39.78	71.56	121.24	0.00	0.00	0.00
955.	86.93	84.17	79.45	71.73	54.05	57.22	44.15	46.22	38.34	72.34	121.15	0.00	0.00	0.00
960.	84.55	81.40	78.14	71.85	52.34	54.02	46.24	44.46	38.24	69.61	120.17	0.00	0.00	0.00
965.	83.81	83.83	79.52	73.71	55.10	58.46	44.61	45.34	37.19	69.68	120.12	0.00	0.00	0.00
970.	87.24	86.48	85.05	74.05	51.54	58.83	47.37	44.95	37.71	70.24	119.73	0.00	0.00	0.00
975.	88.40	89.48	83.57	75.07	50.61	56.93	45.46	46.24	39.49	71.29	119.10	0.00	0.00	0.00
980.	85.33	85.76	79.19	76.29	59.74	54.29	43.22	45.05	37.34	67.67	118.58	0.00	0.00	0.00
985.	81.88	83.12	81.83	77.78	63.52	54.27	42.66	44.00	37.63	70.63	118.68	0.00	0.00	0.00
990.	83.81	84.71	81.00	76.90	62.52	56.34	46.12	45.44	37.71	65.88	117.73	0.00	0.00	0.00

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	0.00	0.00	19.97	10313.77	0.00	0.00	0.01	0.08	0.00	0.00	0.00	0.00	21.00	-1.94
0.	0.00	0.00	30.21	10342.34	0.00	0.00	0.01	-0.16	0.00	0.00	0.00	0.00	20.99	-2.42
0.	0.00	0.00	40.70	10370.91	0.00	0.00	0.01	-0.22	0.00	0.00	0.00	0.00	20.99	-1.64
0.	0.00	0.00	50.93	10342.34	0.00	0.00	0.01	-0.19	0.00	0.00	0.00	0.00	20.99	-2.68
0.	0.00	0.00	60.20	10342.34	0.01	0.00	0.01	0.16	0.00	0.00	0.00	0.00	20.99	-2.32
0.	0.00	0.00	70.43	10370.91	0.00	0.00	0.01	-0.24	0.00	0.00	0.00	0.00	20.99	-1.90
0.	0.00	0.00	10.73	10410.90	0.00	0.00	0.01	0.06	0.00	0.00	0.00	0.00	20.86	-1.17
0.	0.00	0.00	19.97	10313.77	0.00	0.00	0.01	-0.33	0.00	0.00	0.00	0.00	20.86	24.13
0.	0.00	0.00	30.20	10342.34	0.00	0.00	0.01	0.21	0.00	0.00	0.00	0.00	20.86	-1.66
0.	0.00	0.00	40.70	10342.34	0.00	0.00	0.01	0.29	0.00	0.00	0.00	0.00	20.86	-0.85
0.	0.00	0.00	50.93	10342.34	0.00	0.00	0.01	0.26	0.00	0.00	0.00	0.00	20.86	-2.14
0.	0.00	0.00	60.20	10342.34	0.00	0.00	0.01	0.05	0.00	0.00	0.00	0.00	20.86	-3.35
0.	0.00	0.00	70.43	10313.77	0.00	0.00	0.01	0.26	0.00	0.00	0.00	0.00	20.86	-2.05
5.	0.00	0.00	10.73	10462.33	0.01	0.00	0.04	-0.18	0.00	0.00	0.00	0.00	20.81	-1.10
10.	0.00	0.00	19.98	10370.91	0.00	0.00	0.04	0.15	0.00	0.00	0.00	0.00	20.81	-1.08
15.	0.00	0.00	30.20	10370.91	0.01	0.00	0.05	0.14	0.00	0.00	0.00	0.00	20.80	-1.42
20.	0.00	0.00	40.70	10399.48	0.01	0.00	0.05	0.33	0.00	0.00	0.00	0.00	20.69	0.16
25.	0.00	0.00	50.93	10428.05	0.00	0.00	0.04	-0.38	0.00	0.00	0.00	0.00	20.59	-0.35
30.	0.00	0.00	60.19	10428.05	0.00	0.00	0.04	0.46	0.00	0.00	0.00	0.00	20.53	-2.35
35.	0.00	0.00	70.44	10399.48	0.01	0.00	0.05	-0.40	0.00	0.00	0.00	0.00	20.50	1.31
40.	0.00	0.00	10.73	10459.48	0.01	0.00	0.04	0.80	0.00	0.00	0.00	0.00	20.43	-0.60
45.	0.00	0.00	19.98	10399.48	0.00	0.00	0.04	0.48	0.00	0.00	0.00	0.00	20.46	-0.47
50.	0.00	0.00	30.21	10370.91	0.00	0.01	0.03	-0.48	0.00	0.00	0.00	0.00	20.45	0.56
55.	0.00	0.00	40.70	10370.91	0.01	0.01	0.05	-0.15	0.00	0.00	0.00	0.00	20.44	-0.61
60.	0.00	0.00	50.94	10342.34	0.01	0.01	0.07	-0.10	0.00	0.00	0.00	0.00	20.43	-0.29
65.	0.00	0.00	60.19	10313.77	0.01	0.01	0.07	0.32	0.00	0.00	0.00	0.00	20.42	1.11
70.	0.00	0.00	70.43	10313.77	0.02	0.01	0.10	-0.35	0.00	0.00	0.00	0.00	20.38	-0.45
75.	0.00	0.00	10.72	10385.19	0.02	0.02	0.10	1.19	0.00	0.00	0.00	0.00	20.29	0.19
80.	0.00	0.00	19.98	10285.20	0.03	0.02	0.13	0.26	0.00	0.00	0.00	0.00	20.22	1.07
85.	0.00	0.00	30.20	10256.63	0.03	0.03	0.14	-0.19	0.00	0.00	0.00	0.00	20.10	0.70
90.	0.00	0.00	40.70	10228.06	0.04	0.04	0.18	-0.16	0.00	0.00	0.00	0.00	20.00	1.54
95.	0.00	0.00	50.93	10199.48	0.05	0.04	0.23	-0.55	0.00	0.00	0.00	0.00	19.90	4.30
100.	0.00	0.00	60.20	10170.92	0.06	0.05	0.29	0.40	0.00	0.00	0.00	0.00	19.77	2.03
105.	0.00	0.00	70.43	10113.78	0.08	0.06	0.32	-0.82	0.00	0.00	0.00	0.00	19.63	5.00
110.	0.00	0.00	10.73	10116.64	0.09	0.08	0.35	2.22	0.00	0.00	0.00	0.00	19.51	2.36
115.	0.00	0.00	19.98	9999.50	0.12	0.10	0.49	1.76	0.00	0.00	0.00	0.00	19.30	4.71
120.	0.00	0.00	30.21	9913.79	0.15	0.11	0.50	0.19	0.00	0.00	0.00	0.00	19.06	5.00
125.	0.00	0.00	49.70	9828.07	0.20	0.15	0.65	0.43	0.00	0.00	0.00	0.00	18.74	2.85
130.	0.00	0.00	50.93	9685.23	0.27	0.18	0.80	-0.67	0.00	0.00	0.00	0.00	18.46	6.81
135.	0.00	0.00	60.20	9628.09	0.34	0.22	0.87	-0.86	0.00	0.00	0.00	0.00	18.14	7.67
140.	0.00	0.00	70.43	9542.38	0.39	0.23	1.08	0.27	0.00	0.00	0.00	0.00	17.70	6.52
145.	0.00	0.00	10.73	9505.23	0.44	0.25	1.17	3.69	0.00	0.00	0.00	0.00	17.19	8.20
150.	0.00	0.00	19.98	9313.82	0.47	0.26	1.22	1.71	0.00	0.00	0.00	0.00	16.86	3.43
155.	0.00	0.00	30.21	9113.82	0.49	0.26	1.24	0.55	0.00	0.00	0.00	0.00	16.55	9.33
160.	0.00	0.00	40.70	9028.12	0.51	0.25	1.25	-0.31	0.00	0.00	0.00	0.00	16.26	10.45
165.	0.00	0.00	50.93	8913.84	0.51	0.25	1.29	0.11	0.00	0.00	0.00	0.00	16.13	4.22
170.	0.00	0.00	60.20	8799.56	0.52	0.23	1.28	-0.29	0.00	0.00	0.00	0.00	16.10	8.30
175.	0.00	0.00	70.43	8685.28	0.53	0.24	1.26	-0.08	0.00	0.00	0.00	0.00	16.05	5.35
180.	0.00	0.00	10.73	8639.57	0.55	0.24	1.32	3.83	0.00	0.00	0.00	0.00	16.10	7.10
185.	0.00	0.00	19.98	8456.72	0.54	0.23	1.33	2.39	0.00	0.00	0.00	0.00	16.07	6.91

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
190.	0.00	0.00	30.21	8445.29	0.56	0.23	1.33	0.19	0.00	0.00	0.00	0.00	16.00	9.35
195.	0.00	0.00	40.71	8171.02	0.60	0.23	1.40	0.46	0.00	0.00	0.00	0.00	16.06	10.73
200.	0.00	0.00	50.94	8205.30	0.58	0.23	1.48	0.21	0.00	0.00	0.00	0.00	16.07	7.18
205.	0.00	0.00	60.21	7942.46	0.56	0.21	1.28	0.34	0.00	0.00	0.00	0.00	15.92	8.22
210.	0.00	0.00	70.44	7936.74	0.59	0.21	1.35	-0.66	0.00	0.00	0.00	0.00	16.01	3.71
215.	0.00	0.00	10.73	7816.75	0.57	0.20	1.31	3.61	0.00	0.00	0.00	0.00	16.13	5.41
220.	0.00	0.00	19.99	7708.19	0.58	0.20	1.30	3.07	0.00	0.00	0.00	0.00	16.19	7.64
225.	0.00	0.00	30.21	7599.62	0.57	0.19	1.26	-0.76	0.00	0.00	0.00	0.00	16.27	10.10
230.	0.00	0.00	40.71	7462.48	0.58	0.19	1.34	-0.59	0.00	0.00	0.00	0.00	16.29	7.28
235.	0.00	0.00	50.93	7391.06	0.56	0.18	1.25	-0.79	0.00	0.00	0.00	0.00	16.25	7.26
240.	0.00	0.00	60.19	7248.20	0.55	0.18	1.33	-0.58	0.00	0.00	0.00	0.00	16.28	6.67
245.	0.00	0.00	70.42	7105.36	0.54	0.17	1.21	-0.65	0.00	0.00	0.00	0.00	16.34	7.87
250.	0.00	0.00	10.73	6976.79	0.54	0.16	1.20	3.52	0.00	0.00	0.00	0.00	16.38	5.42
255.	0.00	0.00	19.98	6911.08	0.54	0.16	1.19	2.30	0.00	0.00	0.00	0.00	16.46	8.31
260.	0.00	0.00	30.21	6825.37	0.56	0.16	1.27	-1.02	0.00	0.00	0.00	0.00	16.56	6.03
265.	0.00	0.00	40.70	6728.23	0.55	0.16	1.21	-0.58	0.00	0.00	0.00	0.00	16.59	5.19
270.	0.00	0.00	50.94	6622.52	0.56	0.15	1.23	-0.91	0.00	0.00	0.00	0.00	16.61	8.95
275.	0.00	0.00	60.20	6496.82	0.58	0.15	1.16	0.19	0.00	0.00	0.00	0.00	16.69	8.47
280.	0.00	0.00	70.43	6436.82	0.59	0.15	1.20	-0.92	0.00	0.00	0.00	0.00	16.76	5.14
285.	0.00	0.00	10.73	6333.97	0.57	0.15	1.25	3.02	0.00	0.00	0.00	0.00	16.72	6.58
290.	0.00	0.00	19.98	6219.68	0.57	0.14	1.22	2.91	0.00	0.00	0.00	0.00	16.74	8.46
295.	0.00	0.00	30.20	6159.69	0.58	0.14	1.21	0.27	0.00	0.00	0.00	0.00	16.72	8.30
300.	0.00	0.00	40.70	6062.55	0.58	0.14	1.21	-0.69	0.00	0.00	0.00	0.00	16.73	7.61
305.	0.00	0.00	50.93	5953.98	0.57	0.14	1.23	-0.01	0.00	0.00	0.00	0.00	16.82	4.83
310.	0.00	0.00	60.20	5876.85	0.57	0.13	1.11	-0.69	0.00	0.00	0.00	0.00	16.83	5.80
315.	0.00	0.00	70.44	5782.57	0.56	0.13	1.12	-0.87	0.00	0.00	0.00	0.00	16.90	3.57
320.	0.00	0.00	10.73	5696.85	0.58	0.13	1.21	3.65	0.00	0.00	0.00	0.00	16.87	7.44
325.	0.00	0.00	19.98	5602.57	0.56	0.13	1.19	2.63	0.00	0.00	0.00	0.00	16.91	5.34
330.	0.00	0.00	30.22	5514.01	0.56	0.12	1.14	-0.52	0.00	0.00	0.00	0.00	16.91	7.00
335.	0.00	0.00	40.71	5434.01	0.57	0.12	1.18	0.36	0.00	0.00	0.00	0.00	16.91	9.36
340.	0.00	0.00	50.94	5319.73	0.57	0.12	1.18	-0.66	0.00	0.00	0.00	0.00	16.94	5.42
345.	0.00	0.00	60.21	5245.45	0.57	0.12	1.21	-0.74	0.00	0.00	0.00	0.00	16.95	8.78
350.	0.00	0.00	70.44	5131.17	0.56	0.12	1.13	-0.80	0.00	0.00	0.00	0.00	16.96	10.09
355.	0.00	0.00	10.73	5068.32	0.57	0.11	1.11	3.77	0.00	0.00	0.00	0.00	17.02	5.45
360.	0.00	0.00	19.99	4991.18	0.56	0.11	1.16	2.17	0.00	0.00	0.00	0.00	17.12	7.56
365.	0.00	0.00	30.21	4899.75	0.56	0.11	1.16	1.31	0.00	0.00	0.00	0.00	17.11	6.52
370.	0.00	0.00	40.71	4839.76	0.56	0.11	1.11	-0.63	0.00	0.00	0.00	0.00	17.11	4.05
375.	0.00	0.00	50.94	4751.19	0.56	0.11	1.13	-0.64	0.00	0.00	0.00	0.00	17.09	4.71
380.	0.00	0.00	60.20	4639.77	0.57	0.11	1.12	-0.87	0.00	0.00	0.00	0.00	17.12	7.66
385.	0.00	0.00	70.43	4565.48	0.57	0.11	1.08	-0.73	0.00	0.00	0.00	0.00	17.19	6.14
390.	0.00	0.00	10.73	4494.06	0.57	0.11	1.17	3.30	0.00	0.00	0.00	0.00	17.20	6.29
395.	0.00	0.00	19.99	4399.78	0.57	0.11	1.10	2.06	0.00	0.00	0.00	0.00	17.18	5.96
400.	0.00	0.00	30.21	4325.49	0.57	0.10	1.20	0.34	0.00	0.00	0.00	0.00	17.21	8.78
405.	0.00	0.00	40.71	4268.35	0.57	0.10	1.13	-0.60	0.00	0.00	0.00	0.00	17.17	6.01
410.	0.00	0.00	50.94	4159.79	0.56	0.10	1.11	-0.79	0.00	0.00	0.00	0.00	17.19	8.02
415.	0.00	0.00	60.21	4079.79	0.57	0.10	1.06	-0.78	0.00	0.00	0.00	0.00	17.25	6.48
420.	0.00	0.00	70.44	4014.08	0.56	0.10	1.13	-0.86	0.00	0.00	0.00	0.00	17.19	6.99
425.	0.00	0.00	10.73	3922.66	0.57	0.10	1.14	3.92	0.00	0.00	0.00	0.00	17.20	6.81
430.	0.00	0.00	19.98	3848.38	0.56	0.09	1.08	2.72	0.00	0.00	0.00	0.00	17.27	7.69
435.	0.00	0.00	30.21	3796.95	0.55	0.09	1.12	0.26	0.00	0.00	0.00	0.00	17.34	10.51

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
440.	0.00	0.00	40.71	3731.24	0.58	0.09	1.07	-0.69	0.00	0.00	0.00	0.00	17.36	8.33
445.	0.00	0.00	50.94	3625.53	0.57	0.09	1.02	0.16	0.00	0.00	0.00	0.00	17.42	7.15
450.	0.00	0.00	60.21	3565.54	0.55	0.09	1.08	-0.55	0.00	0.00	0.00	0.00	17.44	3.82
455.	0.00	0.00	70.43	3496.97	0.55	0.09	1.04	-0.68	0.00	0.00	0.00	0.00	17.45	7.23
460.	0.00	0.00	10.73	3414.11	0.56	0.09	1.05	3.22	0.00	0.00	0.00	0.00	17.45	3.17
465.	0.00	0.00	19.98	3365.54	0.56	0.08	1.04	2.47	0.00	0.00	0.00	0.00	17.46	5.69
470.	0.00	0.00	30.21	3303.41	0.54	0.08	1.03	-0.33	0.00	0.00	0.00	0.00	17.54	4.16
475.	0.00	0.00	40.70	3222.70	0.53	0.08	0.98	0.03	0.00	0.00	0.00	0.00	17.54	4.04
480.	0.00	0.00	50.94	3182.70	0.52	0.08	1.01	-0.60	0.00	0.00	0.00	0.00	17.49	6.71
485.	0.00	0.00	60.20	3122.70	0.53	0.08	0.94	-0.07	0.00	0.00	0.00	0.00	17.54	3.71
490.	0.00	0.00	70.44	3042.70	0.52	0.08	0.94	-0.91	0.00	0.00	0.00	0.00	17.59	6.89
495.	0.00	0.00	10.73	2971.28	0.52	0.08	0.98	3.10	0.00	0.00	0.00	0.00	17.71	6.57
500.	0.00	0.00	19.99	2911.28	0.52	0.07	0.97	2.78	0.00	0.00	0.00	0.00	17.77	6.26
505.	0.00	0.00	30.21	2862.71	0.50	0.07	0.97	0.13	0.00	0.00	0.00	0.00	17.81	6.81
510.	0.00	0.00	40.70	2808.43	0.50	0.07	0.95	-0.58	0.00	0.00	0.00	0.00	17.75	4.67
515.	0.00	0.00	50.94	2734.15	0.48	0.07	0.89	-0.57	0.00	0.00	0.00	0.00	17.80	7.93
520.	0.00	0.00	60.20	2694.15	0.49	0.07	0.81	-0.58	0.00	0.00	0.00	0.00	17.85	6.34
525.	0.00	0.00	70.43	2614.15	0.48	0.07	0.81	-0.78	0.00	0.00	0.00	0.00	17.91	5.00
530.	0.00	0.00	10.73	2568.44	0.48	0.07	0.81	3.04	0.00	0.00	0.00	0.00	17.96	4.30
535.	0.00	0.00	19.99	2537.01	0.47	0.06	0.85	2.11	0.00	0.00	0.00	0.00	18.00	6.20
540.	0.00	0.00	30.21	2451.30	0.45	0.06	0.81	0.16	0.00	0.00	0.00	0.00	18.03	5.05
545.	0.00	0.00	40.70	2397.02	0.45	0.06	0.86	-0.50	0.00	0.00	0.00	0.00	18.05	5.35
550.	0.00	0.00	50.93	2351.31	0.45	0.06	0.75	-0.57	0.00	0.00	0.00	0.00	18.12	6.42
555.	0.00	0.00	60.21	2271.31	0.45	0.06	0.82	-0.81	0.00	0.00	0.00	0.00	18.16	4.98
560.	0.00	0.00	70.43	2234.17	0.45	0.06	0.76	-0.72	0.00	0.00	0.00	0.00	18.20	4.87
565.	0.00	0.00	10.73	2159.89	0.44	0.06	0.75	2.92	0.00	0.00	0.00	0.00	18.23	4.56
570.	0.00	0.00	19.98	2019.90	0.43	0.06	0.75	2.58	0.00	0.00	0.00	0.00	18.28	5.27
575.	0.00	0.00	30.22	1979.90	0.44	0.06	0.71	-0.28	0.00	0.00	0.00	0.00	18.28	3.06
580.	0.00	0.00	40.71	1934.19	0.43	0.05	0.70	-0.44	0.00	0.00	0.00	0.00	18.29	4.81
585.	0.00	0.00	50.94	1802.77	0.42	0.05	0.68	-0.61	0.00	0.00	0.00	0.00	18.33	5.94
590.	0.00	0.00	60.21	1788.48	0.41	0.05	0.71	-0.56	0.00	0.00	0.00	0.00	18.39	5.69
595.	0.00	0.00	70.44	1765.63	0.42	0.05	0.70	-0.79	0.00	0.00	0.00	0.00	18.45	2.61
600.	0.00	0.00	10.73	1682.77	0.40	0.05	0.70	3.06	0.00	0.00	0.00	0.00	18.49	4.08
605.	0.00	0.00	19.99	1234.22	0.35	0.05	0.61	2.20	0.00	0.00	0.00	0.00	18.49	5.70
610.	0.00	0.00	30.21	1345.65	0.35	0.04	0.60	0.96	0.00	0.00	0.00	0.00	18.53	1.30
615.	0.00	0.00	40.71	1428.50	0.35	0.04	0.57	-0.64	0.00	0.00	0.00	0.00	18.67	2.39
620.	0.00	0.00	50.93	1517.07	0.34	0.04	0.56	-0.77	0.00	0.00	0.00	0.00	18.91	3.38
625.	0.00	0.00	60.20	1634.20	0.33	0.04	0.55	-0.59	0.00	0.00	0.00	0.00	19.08	2.43
630.	0.00	0.00	70.43	1668.49	0.32	0.04	0.59	-0.62	0.00	0.00	0.00	0.00	19.14	1.65
635.	0.00	0.00	10.73	1754.20	0.32	0.04	0.51	2.82	0.00	0.00	0.00	0.00	19.18	1.98
640.	0.00	0.00	19.97	1842.76	0.31	0.04	0.52	1.50	0.00	0.00	0.00	0.00	19.23	4.83
645.	0.00	0.00	30.21	1959.90	0.32	0.04	0.53	0.43	0.00	0.00	0.00	0.00	19.27	2.47
650.	0.00	0.00	40.71	2014.18	0.30	0.04	0.47	-0.27	0.00	0.00	0.00	0.00	19.29	3.54
655.	0.00	0.00	50.94	2088.47	0.31	0.03	0.49	-0.65	0.00	0.00	0.00	0.00	19.33	5.29
660.	0.00	0.00	60.20	2237.03	0.30	0.03	0.44	0.33	0.00	0.00	0.00	0.00	19.34	2.36
665.	0.00	0.00	70.43	2288.46	0.29	0.03	0.47	-0.77	0.00	0.00	0.00	0.00	19.40	1.61
670.	0.00	0.00	10.73	2357.02	0.28	0.03	0.45	2.51	0.00	0.00	0.00	0.00	19.41	2.33
675.	0.00	0.00	19.98	2471.30	0.27	0.03	0.42	1.54	0.00	0.00	0.00	0.00	19.45	-1.06
680.	0.00	0.00	30.21	2505.59	0.28	0.03	0.43	0.35	0.00	0.00	0.00	0.00	19.46	0.09
685.	0.00	0.00	40.71	2542.73	0.28	0.03	0.39	-0.32	0.00	0.00	0.00	0.00	19.45	2.29

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
690.	0.00	0.00	50.94	2622.73	0.28	0.03	0.39	-0.80	0.00	0.00	0.00	0.00	19.48	3.72
695.	0.00	0.00	60.20	2694.15	0.27	0.03	0.39	-0.64	0.00	0.00	0.00	0.00	19.52	2.99
700.	0.00	0.00	70.43	2688.44	0.27	0.03	0.40	-0.80	0.00	0.00	0.00	0.00	19.52	1.84
705.	0.00	0.00	10.73	2748.43	0.26	0.03	0.40	2.38	0.00	0.00	0.00	0.00	19.55	2.62
710.	0.00	0.00	19.97	2808.43	0.27	0.03	0.38	2.85	0.00	0.00	0.00	0.00	19.57	1.86
715.	0.00	0.00	30.21	2825.57	0.26	0.03	0.38	0.75	0.00	0.00	0.00	0.00	19.57	4.02
720.	0.00	0.00	40.71	2837.00	0.26	0.03	0.36	0.38	0.00	0.00	0.00	0.00	19.57	1.69
725.	0.00	0.00	50.94	2879.85	0.26	0.03	0.34	-0.81	0.00	0.00	0.00	0.00	19.59	1.00
730.	0.00	0.00	60.20	2891.28	0.25	0.03	0.33	0.13	0.00	0.00	0.00	0.00	19.60	-0.37
735.	0.00	0.00	70.44	2879.85	0.25	0.03	0.38	-0.70	0.00	0.00	0.00	0.00	19.61	3.33
740.	0.00	0.00	10.73	2862.71	0.25	0.03	0.36	2.30	0.00	0.00	0.00	0.00	19.61	2.28
745.	0.00	0.00	19.98	2854.14	0.22	0.03	0.36	1.85	0.00	0.00	0.00	0.00	19.61	1.69
750.	0.00	0.00	30.21	2839.86	0.21	0.03	0.38	-0.43	0.00	0.00	0.00	0.00	19.63	0.66
755.	0.00	0.00	40.71	2828.43	0.21	0.03	0.36	0.22	0.00	0.00	0.00	0.00	19.64	0.71
760.	0.00	0.00	50.94	2857.00	0.21	0.03	0.34	-0.58	0.00	0.00	0.00	0.00	19.65	3.22
765.	0.00	0.00	60.20	2857.00	0.20	0.03	0.35	-0.72	0.00	0.00	0.00	0.00	19.68	1.56
770.	0.00	0.00	70.43	2854.14	0.20	0.03	0.32	-0.72	0.00	0.00	0.00	0.00	19.68	0.61
775.	0.00	0.00	10.73	2879.85	0.19	0.03	0.31	1.81	0.00	0.00	0.00	0.00	19.70	-1.29
780.	0.00	0.00	19.99	2919.85	0.21	0.03	0.33	1.25	0.00	0.00	0.00	0.00	19.72	3.83
785.	0.00	0.00	30.21	2917.00	0.19	0.03	0.34	0.04	0.00	0.00	0.00	0.00	19.75	0.68
790.	0.00	0.00	40.70	2942.71	0.19	0.03	0.33	-0.36	0.00	0.00	0.00	0.00	19.79	1.00
795.	0.00	0.00	50.94	2976.99	0.19	0.03	0.31	0.31	0.00	0.00	0.00	0.00	19.78	1.63
800.	0.00	0.00	60.20	2985.56	0.19	0.03	0.31	0.27	0.00	0.00	0.00	0.00	19.80	0.13
805.	0.00	0.00	70.43	2979.85	0.19	0.03	0.31	-0.63	0.00	0.00	0.00	0.00	19.81	0.37
810.	0.00	0.00	10.73	3019.85	0.19	0.03	0.29	1.72	0.00	0.00	0.00	0.00	19.81	1.60
815.	0.00	0.00	19.98	3005.56	0.19	0.03	0.28	1.38	0.00	0.00	0.00	0.00	19.81	2.16
820.	0.00	0.00	30.22	2988.42	0.19	0.03	0.30	-0.44	0.00	0.00	0.00	0.00	19.82	0.95
825.	0.00	0.00	40.71	2982.71	0.18	0.03	0.30	0.22	0.00	0.00	0.00	0.00	19.84	2.28
830.	0.00	0.00	50.93	2971.28	0.18	0.03	0.27	-0.68	0.00	0.00	0.00	0.00	19.85	1.51
835.	0.00	0.00	60.19	2882.71	0.19	0.02	0.28	-1.01	0.00	0.00	0.00	0.00	19.86	0.78
840.	0.00	0.00	70.43	2771.29	0.18	0.02	0.28	-0.72	0.00	0.00	0.00	0.00	19.87	1.62
845.	0.00	0.00	10.73	2194.17	0.18	0.02	0.29	1.75	0.00	0.00	0.00	0.00	19.87	0.82
850.	0.00	0.00	19.99	2014.18	0.17	0.02	0.28	1.46	0.00	0.00	0.00	0.00	19.88	0.31
855.	0.00	0.00	30.22	1951.33	0.17	0.02	0.28	0.29	0.00	0.00	0.00	0.00	19.89	1.83
860.	0.00	0.00	40.71	1934.19	0.18	0.02	0.27	-0.41	0.00	0.00	0.00	0.00	19.88	2.30
865.	0.00	0.00	50.94	1911.33	0.17	0.02	0.26	-0.55	0.00	0.00	0.00	0.00	19.88	1.88
870.	0.00	0.00	60.21	1862.76	0.17	0.02	0.26	-0.83	0.00	0.00	0.00	0.00	19.91	1.15
875.	0.00	0.00	70.43	1868.48	0.17	0.02	0.27	-0.58	0.00	0.00	0.00	0.00	19.93	0.95
880.	0.00	0.00	10.73	1911.33	0.17	0.02	0.28	1.83	0.00	0.00	0.00	0.00	19.92	1.46
885.	0.00	0.00	19.98	1842.76	0.17	0.02	0.26	1.27	0.00	0.00	0.00	0.00	19.95	0.51
890.	0.00	0.00	30.22	1825.62	0.17	0.02	0.26	0.19	0.00	0.00	0.00	0.00	19.96	0.44
895.	0.00	0.00	40.70	1831.34	0.17	0.02	0.26	-0.55	0.00	0.00	0.00	0.00	19.98	1.56
900.	0.00	0.00	50.94	1794.20	0.17	0.02	0.26	-0.67	0.00	0.00	0.00	0.00	19.97	1.66
905.	0.00	0.00	60.21	1728.48	0.17	0.02	0.27	-0.86	0.00	0.00	0.00	0.00	19.96	0.84
910.	0.00	0.00	70.43	1737.05	0.16	0.02	0.25	-0.72	0.00	0.00	0.00	0.00	19.94	1.37
915.	0.00	0.00	10.74	1694.20	0.16	0.02	0.24	1.60	0.00	0.00	0.00	0.00	19.94	1.52
920.	0.00	0.00	19.98	1619.92	0.16	0.02	0.25	1.03	0.00	0.00	0.00	0.00	19.95	0.65
925.	0.00	0.00	30.21	1634.20	0.17	0.02	0.26	-0.39	0.00	0.00	0.00	0.00	19.98	0.60
930.	0.00	0.00	40.71	1605.63	0.15	0.02	0.24	0.13	0.00	0.00	0.00	0.00	19.99	2.45
935.	0.00	0.00	50.93	1514.21	0.16	0.02	0.25	0.26	0.00	0.00	0.00	0.00	20.00	2.55

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
940.	0.00	0.00	60.20	1508.50	0.15	0.02	0.24	-0.99	0.00	0.00	0.00	0.00	20.03	2.34
945.	0.00	0.00	70.43	1525.64	0.15	0.02	0.25	-0.67	0.00	0.00	0.00	0.00	20.04	0.30
950.	0.00	0.00	10.73	1479.92	0.15	0.02	0.23	1.66	0.00	0.00	0.00	0.00	20.08	0.64
955.	0.00	0.00	19.99	1422.79	0.15	0.02	0.23	1.31	0.00	0.00	0.00	0.00	20.06	0.08
960.	0.00	0.00	30.21	1437.07	0.15	0.02	0.23	0.16	0.00	0.00	0.00	0.00	20.06	0.81
965.	0.00	0.00	40.70	1391.36	0.15	0.02	0.24	-0.74	0.00	0.00	0.00	0.00	20.06	0.41
970.	0.00	0.00	50.94	1314.22	0.14	0.02	0.23	-0.41	0.00	0.00	0.00	0.00	20.07	0.73
975.	0.00	0.00	60.21	1351.36	0.14	0.02	0.24	-0.83	0.00	0.00	0.00	0.00	20.06	1.28
980.	0.00	0.00	70.43	1331.36	0.15	0.02	0.23	-0.73	0.00	0.00	0.00	0.00	20.07	-0.47
985.	0.00	0.00	10.73	1299.93	0.14	0.02	0.23	1.59	0.00	0.00	0.00	0.00	20.02	0.50
990.	0.00	0.00	19.99	1297.08	0.14	0.02	0.23	1.06	0.00	0.00	0.00	0.00	20.03	0.49

TIME	42	43	44	45	46	47	48
0.	-0.04	0.17	-0.15	0.07	0.30	0.00	0.00
0.	-0.02	0.20	-0.48	0.82	0.07	0.00	0.00
0.	0.27	-0.22	0.03	0.46	0.29	0.00	0.00
0.	0.14	-0.13	-0.28	0.32	-0.05	0.00	0.00
0.	0.65	-0.35	0.04	0.68	0.10	0.00	0.00
0.	-0.56	0.38	0.34	0.17	-0.21	0.00	0.00
0.	-0.63	0.20	1.33	-0.92	-0.02	0.00	0.00
0.	3.00	-1.29	-0.05	1.36	-0.22	0.00	0.00
0.	-1.13	0.17	-0.40	-0.03	0.36	0.00	0.00
0.	-1.57	-0.35	0.63	-0.24	-1.41	0.00	0.00
0.	-0.60	2.61	-1.96	-1.72	-0.29	0.00	0.00
0.	1.01	-1.09	-0.06	-0.55	0.71	0.00	0.00
0.	-0.53	-0.29	1.03	-0.42	0.39	0.00	0.00
5.	1.86	-0.22	0.42	0.00	1.04	0.00	5.00
10.	-0.35	0.72	-0.49	1.13	1.27	0.00	10.00
15.	4.95	0.94	0.36	-1.50	-0.44	0.02	15.00
20.	0.57	1.52	-1.34	0.94	0.05	0.11	20.00
25.	0.95	-0.28	1.69	-1.31	1.04	0.18	25.00
30.	2.04	-0.80	0.98	-0.93	0.14	0.21	30.00
35.	0.39	-0.11	0.36	-0.44	0.63	0.23	35.00
40.	0.77	0.45	-0.04	0.76	-0.93	0.24	40.00
45.	0.18	0.87	0.11	0.26	0.40	0.25	45.00
50.	0.11	1.56	-0.32	-0.18	0.95	0.25	50.00
55.	0.96	0.22	0.16	-0.71	-0.76	0.29	55.00
60.	1.53	-0.23	0.37	0.40	0.68	0.31	60.00
65.	2.46	0.29	0.31	0.33	-0.89	0.30	65.00
70.	4.91	0.51	-0.80	1.43	-0.19	0.43	70.00
75.	2.43	0.58	-0.08	0.95	-0.82	0.50	75.00
80.	2.03	0.65	0.55	-0.85	0.81	0.71	80.00
85.	2.57	1.40	0.58	-0.29	1.92	0.87	85.00
90.	3.40	0.65	0.60	0.21	0.13	0.90	90.00
95.	1.51	0.72	0.76	-0.53	1.88	1.17	95.00
100.	3.64	1.00	1.60	-0.48	-1.70	1.35	100.00
105.	3.21	1.55	0.40	0.13	-0.47	1.51	105.00
110.	4.87	3.19	-0.23	1.21	-0.92	1.72	110.00
115.	4.97	4.92	-0.16	0.92	-2.24	2.14	115.00
120.	5.56	2.45	-0.09	-1.34	-1.02	2.50	120.00
125.	4.83	5.59	-1.87	0.10	0.55	2.93	125.00
130.	4.22	3.69	0.40	-1.08	-2.83	3.25	130.00
135.	4.85	3.98	0.60	-0.74	-2.80	3.76	135.00
140.	7.01	3.11	-2.16	1.11	0.53	4.33	140.00
145.	7.85	5.87	-0.79	1.65	0.21	4.82	145.00
150.	6.54	5.74	-2.42	0.93	0.73	5.26	150.00
155.	5.11	3.40	0.08	0.57	-0.37	5.66	155.00
160.	5.03	4.15	0.03	-1.56	0.47	5.77	160.00
165.	11.42	3.64	1.48	-1.29	0.56	5.86	165.00
170.	8.38	5.97	-1.90	-1.62	-0.85	5.90	170.00
175.	8.76	2.14	1.15	-1.13	1.02	5.86	175.00
180.	6.18	6.16	-1.93	-1.67	0.79	5.82	180.00
185.	5.17	5.42	-1.33	1.64	1.37	5.94	185.00

TIME	42	43	44	45	46	47	48
190.	4.90	4.57	-3.50	-0.96	2.87	6.04	190.00
195.	4.25	4.93	-1.30	-1.90	0.56	5.70	195.00
200.	8.38	3.77	-1.05	-1.88	0.62	5.89	200.00
205.	8.09	6.60	-0.97	-0.11	-2.14	6.07	205.00
210.	11.04	3.87	0.14	1.40	-1.16	5.67	210.00
215.	5.55	4.67	-0.03	-0.46	-0.27	5.66	215.00
220.	7.50	7.46	-0.55	0.12	-0.50	5.58	220.00
225.	7.35	5.38	-0.43	0.78	-3.12	5.53	225.00
230.	9.00	4.75	-1.28	-1.53	0.26	5.54	230.00
235.	7.94	6.14	-2.92	0.19	2.33	5.58	235.00
240.	5.14	2.08	-0.89	-1.21	-0.93	5.48	240.00
245.	8.60	5.16	-2.94	1.99	-0.24	5.42	245.00
250.	6.93	2.94	-0.28	-1.46	-1.74	5.34	250.00
255.	8.08	5.44	-0.26	-0.58	-0.31	5.25	255.00
260.	9.61	3.37	-0.54	0.50	-0.05	5.13	260.00
265.	9.08	4.27	-1.36	-1.97	-0.66	5.06	265.00
270.	5.13	3.95	-1.26	2.34	-0.00	5.03	270.00
275.	8.69	3.34	-1.38	-1.38	1.33	4.86	275.00
280.	7.70	5.55	-1.52	-0.10	-1.60	4.90	280.00
285.	7.46	5.26	0.79	-2.44	0.78	5.02	285.00
290.	8.03	3.13	1.70	-0.24	-2.27	4.96	290.00
295.	7.62	4.96	-2.62	-0.32	0.97	4.97	295.00
300.	5.56	4.03	-1.69	-1.22	3.48	4.89	300.00
305.	8.56	3.18	0.89	-1.03	-1.79	4.74	305.00
310.	6.38	4.74	-0.84	-0.91	0.08	4.76	310.00
315.	6.63	3.73	-0.69	-1.72	-0.61	4.68	315.00
320.	8.08	4.28	-1.26	0.32	-0.60	4.79	320.00
325.	8.21	5.79	0.49	-0.07	-0.29	4.70	325.00
330.	7.90	3.85	0.05	-1.36	-1.18	4.78	330.00
335.	5.42	4.54	-2.56	1.86	1.74	4.68	335.00
340.	7.87	3.14	0.61	1.30	-1.09	4.60	340.00
345.	5.32	5.11	-1.87	0.48	1.65	4.67	345.00
350.	5.19	3.45	-0.61	-1.04	-1.31	4.49	350.00
355.	5.20	4.45	-0.34	-0.70	-1.96	4.52	355.00
360.	7.19	5.52	-1.66	1.72	1.33	4.26	360.00
365.	6.93	4.18	-0.19	-1.25	0.44	4.45	365.00
370.	7.16	4.68	-0.57	-1.71	-0.90	4.45	370.00
375.	8.04	3.69	-1.07	-0.81	0.40	4.45	375.00
380.	7.44	5.78	-0.11	-0.13	-2.19	4.44	380.00
385.	7.43	3.81	0.35	-1.61	-1.72	4.36	385.00
390.	4.90	3.92	-1.34	-0.11	-1.72	4.31	390.00
395.	8.72	3.95	-0.20	0.55	-2.01	4.30	395.00
400.	4.49	5.79	0.64	-0.64	-0.60	4.36	400.00
405.	4.75	4.56	-0.49	0.20	-1.69	4.39	405.00
410.	8.66	4.50	0.40	-0.74	-1.58	4.38	410.00
415.	4.74	5.25	-1.98	-0.20	1.46	4.29	415.00
420.	9.47	1.89	-1.69	0.78	0.39	4.34	420.00
425.	6.86	3.74	-1.06	-0.02	-1.27	4.26	425.00
430.	5.53	3.63	0.84	-1.17	-2.45	4.23	430.00
435.	5.63	3.18	-1.01	-0.08	1.40	4.21	435.00

TIME	42	43	44	45	46	47	48
440.	6.68	4.16	-0.86	-1.19	0.71	4.15	440.00
445.	6.95	3.05	0.77	0.96	-2.25	4.08	445.00
450.	8.93	3.70	-1.30	-1.18	0.17	4.04	450.00
455.	6.63	3.10	-1.20	0.61	-0.92	4.01	455.00
460.	8.62	5.05	-0.11	-1.16	-1.45	4.06	460.00
465.	7.82	4.96	-2.66	0.77	0.75	4.06	465.00
470.	8.05	5.20	-0.91	-1.05	-0.54	3.89	470.00
475.	8.45	6.21	-1.59	0.88	-1.00	3.99	475.00
480.	6.95	3.55	0.17	-1.25	0.21	4.02	480.00
485.	7.99	3.85	-0.90	-0.93	-1.02	3.91	485.00
490.	7.88	3.04	0.43	-0.56	-0.09	3.80	490.00
495.	4.44	5.59	-1.98	-0.16	0.62	3.68	495.00
500.	7.67	5.06	-1.70	0.03	0.14	3.62	500.00
505.	5.99	4.46	-0.29	-0.72	1.39	3.66	505.00
510.	8.11	3.83	0.30	-0.94	-0.51	3.76	510.00
515.	4.22	6.26	-1.44	1.77	-0.09	3.54	515.00
520.	7.75	3.43	-0.79	1.52	1.85	3.59	520.00
525.	6.65	3.90	-1.55	-0.79	-1.32	3.47	525.00
530.	6.90	3.81	-0.38	-1.40	-1.47	3.36	530.00
535.	6.63	3.14	0.03	-1.22	-1.22	3.33	535.00
540.	7.85	2.58	-0.24	0.56	0.55	3.29	540.00
545.	6.43	3.33	-0.52	0.11	0.27	3.31	545.00
550.	4.11	5.08	-0.67	-1.66	1.98	3.08	550.00
555.	6.71	4.32	-0.15	-1.14	1.95	3.19	555.00
560.	6.12	2.75	0.61	0.16	-3.03	2.96	560.00
565.	5.90	4.79	-1.21	-0.15	-0.76	3.09	565.00
570.	4.83	3.68	-1.27	-1.57	-1.05	2.88	570.00
575.	7.17	3.59	-1.45	-0.55	-0.00	3.09	575.00
580.	5.37	3.05	-1.03	-0.57	0.52	2.97	580.00
585.	4.88	3.97	-0.63	-0.27	0.13	2.87	585.00
590.	5.99	3.44	-1.47	-0.37	-0.90	2.76	590.00
595.	6.31	3.69	-0.78	-0.97	0.40	2.75	595.00
600.	7.61	2.50	0.51	-0.39	-1.77	2.77	600.00
605.	5.09	3.41	-0.02	0.30	-0.90	2.76	605.00
610.	5.51	2.16	-1.03	-0.30	-2.88	2.65	610.00
615.	4.25	4.05	-0.48	-0.23	-0.85	2.31	615.00
620.	5.47	2.10	0.71	0.16	-1.32	2.11	620.00
625.	4.93	2.83	-0.43	0.59	-1.57	1.90	625.00
630.	5.41	2.77	0.46	-0.45	1.07	1.88	630.00
635.	5.33	3.71	-0.38	-0.24	-0.11	1.81	635.00
640.	3.65	2.71	-1.03	0.82	-1.18	1.84	640.00
645.	5.19	1.75	-0.46	-0.28	0.44	1.73	645.00
650.	5.22	1.59	1.22	-1.99	1.01	1.68	650.00
655.	2.60	5.56	-1.10	0.62	-0.69	1.65	655.00
660.	2.62	4.58	-2.06	-0.56	0.43	1.64	660.00
665.	4.88	3.70	-2.93	0.78	0.39	1.50	665.00
670.	4.51	2.89	-0.68	-0.59	2.39	1.55	670.00
675.	6.58	2.10	-0.46	-1.48	-0.48	1.42	675.00
680.	5.63	1.18	0.29	-0.48	0.81	1.49	680.00
685.	2.62	3.92	-1.64	1.37	-0.09	1.50	685.00

TIME	42	43	44	45	46	47	48
690.	2.20	1.75	0.43	-0.92	-0.77	1.40	690.00
695.	3.79	1.90	0.28	-0.39	-0.95	1.33	695.00
700.	3.94	4.31	-2.29	0.77	-0.29	1.41	700.00
705.	3.31	2.13	-0.47	0.66	-0.92	1.31	705.00
710.	2.98	2.04	-0.31	-1.00	0.55	1.32	710.00
715.	1.54	5.00	-1.20	-0.66	-1.05	1.33	715.00
720.	4.51	1.13	-0.95	0.99	0.98	1.30	720.00
725.	2.62	1.78	-1.86	-1.70	-0.86	1.29	725.00
730.	3.94	1.59	0.58	-1.08	1.10	1.26	730.00
735.	2.34	3.22	-1.20	0.58	0.43	1.31	735.00
740.	3.30	2.68	-0.40	-0.45	-1.76	1.23	740.00
745.	2.58	1.65	0.59	-0.06	1.05	1.25	745.00
750.	4.72	2.36	0.40	0.35	0.50	1.22	750.00
755.	3.85	1.84	-0.10	-1.60	2.34	1.22	755.00
760.	1.75	3.59	-1.26	0.77	0.26	1.20	760.00
765.	2.66	2.68	-0.66	-1.67	-2.63	1.16	765.00
770.	3.50	2.80	0.26	-2.15	-0.21	1.14	770.00
775.	4.57	2.73	0.20	-0.55	-1.16	1.14	775.00
780.	3.19	1.63	-1.07	0.78	-2.32	1.08	780.00
785.	3.72	1.84	-1.00	1.29	-0.54	1.07	785.00
790.	2.75	2.33	0.26	0.51	-0.48	0.99	790.00
795.	3.11	1.19	-0.24	0.65	0.98	1.04	795.00
800.	4.98	1.50	-0.83	1.72	-1.22	1.01	800.00
805.	3.78	2.25	-0.90	-1.61	-0.11	0.98	805.00
810.	2.20	2.13	-1.78	0.68	2.36	0.99	810.00
815.	3.20	2.31	-0.86	1.45	-0.11	0.98	815.00
820.	2.89	2.16	-1.19	0.96	1.07	0.94	820.00
825.	1.47	1.75	-0.14	-0.72	1.26	0.95	825.00
830.	2.07	2.26	-0.60	-0.92	-1.37	0.94	830.00
835.	4.43	0.54	-0.82	0.58	-1.83	0.95	835.00
840.	4.52	2.62	0.01	0.08	0.43	0.90	840.00
845.	3.21	1.79	-0.33	-1.28	-0.50	0.93	845.00
850.	2.58	1.99	-1.02	1.86	-0.54	0.88	850.00
855.	2.18	2.47	0.43	-0.75	-0.00	0.88	855.00
860.	1.92	2.04	0.46	0.26	1.34	0.90	860.00
865.	5.72	1.86	-0.51	0.66	-0.09	0.88	865.00
870.	3.58	-0.39	1.47	-1.70	2.82	0.87	870.00
875.	2.86	1.54	-0.35	0.42	-0.73	0.81	875.00
880.	1.96	2.49	-0.50	-0.77	0.60	0.84	880.00
885.	4.10	2.34	-1.60	1.32	-0.73	0.77	885.00
890.	3.56	0.77	-1.06	1.51	-0.98	0.75	890.00
895.	1.92	2.44	-0.72	-1.93	0.76	0.77	895.00
900.	4.85	2.04	0.23	-0.42	0.52	0.79	900.00
905.	4.83	0.09	0.12	-1.65	0.34	0.83	905.00
910.	1.93	2.73	-1.81	1.17	1.71	0.81	910.00
915.	2.31	2.49	-1.31	1.20	-0.22	0.80	915.00
920.	1.05	3.05	-1.29	1.05	0.92	0.78	920.00
925.	2.38	2.12	-0.43	-0.41	1.43	0.77	925.00
930.	1.52	0.99	1.45	-0.78	-1.54	0.75	930.00
935.	2.34	1.97	-0.26	0.13	0.89	0.70	935.00

TIME	42	43	44	45	46	47	48
940.	4.45	2.15	0.19	-0.79	-0.34	0.68	940.00
945.	2.05	1.75	-0.08	-0.29	0.56	0.66	945.00
950.	2.56	0.48	0.44	-0.84	0.31	0.62	950.00
955.	5.02	1.90	0.04	-1.48	0.52	0.67	955.00
960.	5.34	2.61	-1.50	1.61	1.26	0.65	960.00
965.	5.58	2.04	-1.16	1.30	-2.08	0.66	965.00
970.	2.85	0.84	-0.83	-1.60	-0.11	0.70	970.00
975.	1.87	0.74	0.16	-0.56	0.02	0.65	975.00
980.	3.46	0.65	0.51	-0.58	1.81	0.67	980.00
985.	1.79	1.61	0.57	-0.17	1.71	0.74	985.00
990.	3.28	0.07	0.51	-1.42	2.16	0.65	990.00

PRC7-W-4-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	21.38	20.07	20.13	20.32	21.05	19.77	18.60	22.38	22.55	22.38	22.10	21.63	20.95	20.63
0.	21.30	19.90	20.35	20.63	20.30	19.13	18.52	22.42	22.52	22.40	22.05	21.60	21.05	20.63
0.	20.27	20.45	20.40	20.80	21.80	19.42	18.60	22.45	22.55	22.32	22.07	21.63	21.02	20.63
0.	20.15	19.75	20.20	20.70	19.97	19.75	18.45	22.40	22.52	22.42	22.07	21.55	21.05	20.65
0.	20.95	20.35	19.67	20.47	19.82	18.77	18.57	22.42	22.52	22.45	22.10	21.57	21.00	20.63
0.	21.55	19.97	19.75	20.38	19.67	19.07	18.60	22.42	22.57	22.45	22.07	21.55	21.07	20.67
5.	22.27	20.95	20.65	20.47	19.55	20.67	19.10	26.67	28.95	26.55	24.85	22.22	21.70	21.52
10.	39.15	26.17	21.60	20.80	20.65	20.70	18.85	34.51	47.58	37.27	35.22	33.98	34.07	31.68
15.	53.15	38.56	22.80	20.52	20.13	20.72	19.32	39.56	55.32	46.78	45.27	45.66	45.44	45.76
20.	61.26	54.49	21.07	20.25	19.50	21.38	18.88	44.02	63.88	54.95	55.22	53.83	52.29	51.00
25.	73.56	58.54	21.10	20.40	19.38	20.97	19.72	51.15	76.85	66.14	63.57	62.26	62.19	63.17
30.	79.48	72.05	22.05	20.63	19.60	21.15	19.85	56.54	86.21	79.67	76.51	76.63	77.85	76.19
35.	92.21	78.38	21.77	20.65	20.97	20.97	19.35	62.93	106.73	95.09	95.40	95.07	89.19	85.40
40.	106.80	66.93	21.90	20.67	20.65	20.55	19.38	73.07	121.15	114.39	108.66	107.24	107.41	102.05
45.	124.85	58.00	22.55	20.77	19.67	20.77	18.70	82.58	149.45	141.92	139.47	128.22	127.39	124.73
50.	158.17	108.27	24.02	21.05	19.82	20.72	18.90	103.00	184.35	170.52	166.92	159.15	155.35	146.55
55.	190.60	158.97	25.75	21.52	20.20	21.05	18.85	114.10	214.35	203.93	202.72	193.70	186.45	178.72
60.	223.47	119.15	25.85	22.05	19.95	21.60	18.80	141.77	236.19	230.29	231.76	229.19	216.72	191.37
65.	237.49	140.52	26.38	21.88	19.75	21.52	19.67	148.60	277.39	257.73	254.44	243.51	231.07	226.20
70.	261.85	157.35	27.92	22.52	20.45	21.92	19.35	161.72	285.37	280.88	273.00	265.71	260.29	250.22
75.	280.93	243.78	29.63	23.07	20.65	22.05	18.95	175.67	306.12	305.61	302.29	293.38	273.76	261.10
80.	292.38	202.27	33.05	23.92	20.90	22.35	19.45	184.72	312.74	312.45	314.19	311.90	296.58	274.88
85.	313.14	189.38	35.56	24.63	21.57	24.32	19.95	199.55	330.24	327.88	315.93	312.34	305.12	282.37
90.	323.07	222.50	38.39	25.45	21.85	23.77	19.57	216.22	352.76	352.71	354.98	353.09	345.54	317.09
95.	346.29	183.15	38.73	26.17	21.22	25.40	19.72	231.75	364.58	363.02	369.40	365.12	346.88	313.86
100.	356.52	225.75	42.02	27.22	21.88	25.15	20.52	238.80	388.33	387.88	384.38	368.42	369.93	346.24
105.	369.59	256.15	48.78	27.75	21.85	25.85	20.25	255.37	404.28	395.64	386.31	364.63	357.17	363.90
110.	382.17	313.29	40.78	28.22	20.95	25.77	19.92	267.39	403.63	406.74	398.98	388.81	366.39	358.76
115.	364.70	202.92	34.15	28.35	23.75	26.57	20.17	275.76	433.17	404.56	405.51	405.67	393.71	366.19
120.	369.93	294.51	62.12	28.47	22.42	26.25	19.63	276.98	406.70	402.84	401.09	405.95	391.40	366.93
125.	370.93	321.05	73.63	28.77	23.22	26.27	20.47	285.78	423.98	409.42	406.31	402.12	393.12	362.51
130.	387.62	290.27	46.93	29.42	25.45	26.95	20.57	289.37	407.35	427.86	408.58	406.77	408.90	390.45
135.	390.24	263.07	49.95	29.07	26.22	27.07	20.82	294.88	429.86	422.71	421.67	421.14	404.86	408.57
140.	397.38	270.61	55.24	29.80	22.22	28.90	20.55	302.39	440.07	437.83	432.14	407.42	402.55	381.02
145.	384.17	290.88	46.32	31.00	22.00	27.82	21.00	303.88	423.14	421.36	405.40	407.24	406.88	396.76
150.	371.42	264.71	48.12	30.54	25.30	28.05	20.57	316.88	431.79	426.67	409.67	427.29	407.44	401.98
155.	402.86	313.39	65.40	30.90	25.00	28.67	19.67	316.69	433.07	426.81	406.93	402.16	403.39	405.71
160.	369.79	345.27	65.02	31.07	25.35	28.90	21.02	318.50	438.78	431.40	422.40	401.53	405.46	403.44
165.	390.95	309.80	63.31	31.32	27.70	28.22	21.65	326.71	432.55	433.81	426.45	427.98	421.67	402.98
170.	382.55	365.28	69.80	30.07	22.57	29.57	22.65	325.69	432.78	434.78	428.78	408.02	405.79	403.14
175.	393.81	346.19	77.79	30.68	23.70	29.70	21.20	323.88	435.05	431.26	410.65	402.56	390.43	387.31
180.	399.52	290.80	57.61	31.39	24.95	28.88	20.92	330.07	430.38	434.69	422.29	407.88	406.26	400.64
185.	385.95	345.67	76.90	30.73	27.70	29.52	20.90	328.59	436.26	428.86	422.76	406.23	402.67	403.59
190.	384.05	307.83	59.93	30.88	23.27	29.57	20.87	339.78	439.71	434.14	426.02	409.14	407.69	387.48
195.	390.00	358.36	143.35	31.66	24.65	29.72	20.63	343.34	435.81	434.83	429.36	423.24	409.70	405.23
200.	387.38	295.39	59.10	31.90	24.20	29.80	20.67	345.76	433.02	435.43	427.12	428.05	422.09	409.67
205.	392.62	293.05	58.19	32.98	31.00	29.90	20.60	343.58	453.02	433.88	432.52	429.83	404.39	406.00
210.	393.81	344.98	78.38	33.29	35.17	29.32	20.67	340.81	431.38	433.21	430.02	430.36	409.95	398.19
215.	390.24	344.90	81.02	32.93	25.92	29.78	20.90	346.71	430.36	432.33	432.17	429.17	434.76	434.88
220.	391.19	329.38	93.74	32.15	23.63	30.51	20.87	344.31	438.07	432.38	429.50	423.24	408.77	401.70

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	394.76	348.12	65.90	32.66	22.82	30.02	20.55	342.71	436.14	433.29	429.38	421.36	409.02	403.39
230.	381.55	358.76	88.67	32.73	24.52	30.39	21.25	347.80	434.69	438.83	434.52	430.50	427.19	408.46
235.	390.71	324.76	73.29	33.44	27.45	30.19	21.10	342.12	431.09	429.88	427.17	426.14	425.31	428.17
240.	384.52	340.66	67.43	33.22	22.57	30.61	21.42	343.59	435.50	436.88	433.29	426.45	403.60	407.45
245.	385.00	313.40	145.92	33.58	26.00	30.44	21.42	342.76	432.33	430.98	429.90	403.14	403.67	405.98
250.	385.00	344.50	112.54	34.34	30.41	32.22	22.15	342.31	430.21	423.24	409.30	409.44	402.23	400.26
255.	383.52	343.12	103.41	34.32	25.15	31.05	20.57	340.26	427.26	433.83	427.95	406.46	402.35	405.48
260.	381.17	354.79	101.22	35.68	34.29	30.80	21.00	347.12	423.83	408.77	406.74	403.32	401.42	404.58
265.	381.12	293.50	144.20	33.46	28.20	32.12	21.40	340.81	424.81	424.78	407.84	404.23	406.76	395.90
270.	388.09	351.14	62.36	34.41	24.95	32.22	21.00	342.50	426.59	409.19	407.02	405.79	421.19	432.43
275.	370.09	359.40	97.00	33.22	23.42	33.34	20.32	343.88	426.12	426.48	424.69	423.98	408.00	388.76
280.	369.81	327.52	74.83	34.15	25.10	32.49	20.95	345.19	423.19	421.02	409.05	407.02	409.60	402.58
285.	369.42	353.79	71.66	34.83	24.13	32.41	21.45	342.38	410.58	404.72	407.40	401.55	393.31	383.90
290.	370.07	302.58	81.93	33.34	25.47	30.41	21.32	344.67	420.74	406.28	406.72	408.98	407.52	380.59
295.	368.77	322.83	102.88	32.90	25.88	32.10	21.22	345.50	422.21	424.14	420.76	406.30	409.95	393.55
300.	363.02	316.95	85.64	34.76	28.60	33.27	20.97	342.36	403.05	404.51	403.12	404.00	409.43	398.26
305.	369.14	329.88	67.52	34.02	32.37	31.34	21.00	343.71	408.21	401.95	401.42	404.50	395.33	371.23
310.	362.53	311.52	59.05	33.83	25.65	32.00	20.65	342.86	405.28	410.00	404.69	402.02	391.40	364.74
315.	368.26	309.29	117.00	34.24	24.63	32.93	21.25	342.83	405.74	404.74	406.19	403.39	401.02	364.36
320.	365.69	314.17	92.36	32.39	24.13	32.56	20.72	342.62	420.83	405.77	403.74	401.32	399.90	386.50
325.	369.09	286.22	78.83	33.32	24.10	33.00	21.15	341.40	406.16	401.88	405.14	398.07	391.05	387.00
330.	361.86	329.02	144.47	33.12	24.75	32.12	22.27	347.80	401.49	403.38	396.98	397.78	393.83	390.93
335.	369.81	324.69	79.52	33.29	27.38	32.05	21.13	340.71	406.02	399.05	394.76	383.19	369.74	367.48
340.	365.95	260.19	96.62	33.85	32.44	32.34	20.97	343.09	402.12	403.17	401.17	393.88	383.62	367.44
345.	359.88	342.44	86.07	33.83	26.38	34.56	21.63	340.64	406.93	407.07	406.57	402.00	398.62	391.05
350.	363.93	328.76	62.45	32.71	23.80	32.90	20.52	347.83	407.23	409.33	404.21	397.69	384.02	365.37
355.	353.62	322.76	118.68	32.73	29.25	34.24	20.70	340.83	404.32	402.62	401.00	398.12	394.33	368.88
360.	361.71	285.80	75.61	33.19	25.80	31.61	21.67	340.50	403.98	404.29	400.26	394.57	386.02	365.58
365.	369.48	311.73	84.43	33.71	32.85	29.63	20.77	347.39	405.31	403.36	403.21	396.57	385.86	363.49
370.	367.55	282.34	63.76	34.54	22.82	33.22	21.52	347.78	409.31	404.86	401.74	397.43	371.07	365.69
375.	366.02	309.93	63.17	33.73	23.87	33.07	20.80	347.24	400.55	399.48	398.17	394.57	380.81	366.35
380.	360.09	312.24	72.78	32.54	28.10	32.24	20.50	340.45	396.38	394.67	391.40	389.07	385.76	369.79
385.	356.14	310.88	102.24	32.78	32.39	30.68	21.35	344.10	397.81	393.33	391.00	388.71	383.71	368.74
390.	348.81	311.83	71.73	33.12	33.61	30.22	21.10	343.85	403.74	398.14	395.64	382.93	368.88	364.88
395.	357.90	290.12	141.82	33.41	28.02	32.98	20.85	345.54	404.76	394.67	390.14	388.19	370.81	361.93
400.	352.33	310.80	82.31	33.68	31.17	32.44	20.80	345.15	403.26	398.07	394.67	391.95	386.57	368.21
405.	347.29	241.39	77.90	33.90	26.13	31.41	20.50	342.46	399.74	391.14	392.31	388.79	381.98	369.98
410.	353.55	292.15	64.98	34.66	25.80	33.00	21.15	342.41	397.05	400.12	395.86	388.17	370.98	363.09
415.	346.90	289.12	84.05	34.34	24.57	34.71	21.07	341.12	386.52	371.26	382.24	367.21	361.84	350.45
420.	345.33	292.05	60.33	33.73	28.60	35.54	22.10	338.88	394.17	390.81	385.12	380.95	367.05	367.43
425.	348.02	324.31	83.21	33.78	30.05	34.10	20.95	339.19	386.81	384.45	385.76	384.52	383.19	366.65
430.	349.19	292.71	74.76	33.93	29.32	32.93	20.72	329.93	388.24	386.24	366.16	364.67	361.93	362.31
435.	349.74	291.88	66.93	33.83	31.58	32.66	20.77	327.79	386.40	382.67	371.09	367.26	364.02	361.09
440.	344.90	289.63	88.71	33.63	31.56	33.34	20.32	327.59	384.26	366.56	367.23	363.09	367.07	356.43
445.	341.45	297.27	72.44	33.56	23.40	34.49	21.38	323.76	380.64	362.46	361.84	360.90	352.19	345.55
450.	327.81	291.51	83.19	34.49	25.82	33.76	20.52	319.14	367.40	365.83	364.59	357.79	350.76	344.54
455.	326.69	285.80	128.34	32.61	30.63	32.05	21.25	317.71	361.84	362.57	360.71	357.88	345.24	342.10
460.	339.63	309.27	87.05	31.88	25.90	32.93	22.02	314.83	366.12	359.36	360.67	355.52	347.71	344.73
465.	326.57	313.49	104.39	32.32	26.97	32.39	21.02	312.71	362.40	358.98	355.86	350.24	347.85	344.90
470.	319.29	269.39	62.83	32.12	25.70	32.49	20.82	317.44	356.43	352.31	353.21	349.40	342.98	328.74

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	319.81	237.05	78.33	31.37	27.92	30.61	21.07	313.78	346.55	347.12	345.40	341.33	341.38	324.33
480.	315.21	242.37	80.67	31.27	23.67	31.73	20.22	310.66	347.50	345.17	345.78	343.93	341.41	345.10
485.	311.45	264.00	76.49	31.49	23.42	32.90	20.32	308.00	343.88	342.40	345.81	344.39	328.00	319.98
490.	316.76	276.63	72.63	32.29	28.65	32.24	20.15	307.07	343.67	346.24	344.19	342.29	329.90	317.00
495.	314.39	251.66	94.71	31.80	29.15	28.00	21.70	303.00	346.27	340.83	329.38	323.19	323.69	320.29
500.	311.56	293.15	113.85	31.32	30.07	31.85	21.50	294.26	339.46	326.26	326.38	322.29	316.21	308.44
505.	309.44	262.32	92.45	31.39	28.37	31.78	20.50	291.81	339.15	328.26	328.57	324.59	321.52	321.90
510.	296.15	283.46	63.83	31.39	29.35	29.71	20.50	297.32	321.48	317.02	318.36	313.45	316.78	311.05
515.	297.58	238.85	88.95	31.66	32.46	32.58	20.32	296.68	318.48	315.02	313.36	314.31	316.71	302.54
520.	290.17	237.12	89.52	31.22	23.90	30.27	20.27	293.07	316.44	309.44	311.66	303.12	292.00	289.34
525.	270.63	217.72	76.05	40.15	21.05	30.71	20.20	288.29	308.90	294.07	292.83	291.83	293.95	292.37
530.	264.32	228.51	100.12	33.00	29.78	30.58	19.63	286.12	307.34	288.61	285.73	294.98	297.71	302.05
535.	283.98	263.78	61.38	30.32	23.87	31.19	20.13	282.19	293.52	287.71	286.07	285.98	286.95	287.73
540.	266.17	200.07	120.61	34.05	25.88	31.39	19.72	280.29	295.24	286.65	282.54	283.61	288.05	294.41
545.	266.22	204.37	77.93	30.66	21.10	31.80	19.97	278.05	286.39	282.39	287.29	279.71	264.61	273.76
550.	253.29	207.19	51.46	33.88	29.85	31.51	19.77	271.85	280.49	272.85	275.24	283.39	286.60	286.22
555.	259.02	226.85	85.24	30.76	21.92	30.98	19.85	268.00	277.41	267.68	265.78	267.29	269.17	275.56
560.	253.73	204.95	62.19	29.68	23.45	30.61	20.92	264.85	272.37	270.27	269.58	267.27	269.22	273.34
565.	245.24	204.71	54.12	29.95	24.47	30.56	20.42	262.39	265.56	268.00	262.02	250.90	244.54	257.39
570.	245.07	214.35	84.05	30.66	22.40	30.83	22.22	260.37	262.66	257.63	255.90	258.05	259.83	260.63
575.	242.63	218.05	75.44	29.93	27.55	29.45	21.65	256.78	261.93	249.24	249.51	250.22	253.80	249.78
580.	240.05	195.55	54.17	29.20	30.02	24.80	21.00	251.98	255.95	252.98	251.05	250.37	247.24	249.58
585.	239.95	231.54	69.63	29.47	26.27	29.15	20.05	249.90	256.51	253.27	251.24	251.29	250.71	246.56
590.	238.76	216.75	79.38	29.35	23.92	28.13	19.88	247.61	253.83	253.10	254.44	251.85	249.07	239.54
595.	234.68	224.47	67.55	29.13	24.82	30.29	20.85	245.41	252.41	245.80	244.00	242.05	236.12	237.83
600.	233.63	217.17	48.93	31.17	23.00	29.56	21.35	242.54	243.15	239.66	240.54	240.19	237.80	239.54
605.	228.65	180.70	66.07	29.71	28.35	30.19	19.80	240.29	241.29	239.44	238.76	235.27	230.76	232.05
610.	228.22	194.38	43.85	29.67	23.35	29.10	20.10	238.05	237.00	234.44	234.83	232.44	229.10	228.51
615.	220.70	202.42	66.38	28.95	23.05	29.49	19.85	237.39	237.98	234.78	232.93	232.00	230.49	230.15
620.	226.00	190.38	76.12	28.82	21.92	29.80	20.05	234.56	236.56	236.34	232.66	233.17	230.41	227.93
625.	220.07	184.63	60.98	29.78	25.15	29.46	20.82	232.73	231.58	228.00	232.42	229.67	223.42	218.90
630.	217.60	156.00	52.22	29.60	27.32	30.39	19.90	230.83	230.95	233.42	232.12	229.88	225.55	217.60
635.	214.20	172.88	61.98	28.90	22.53	30.00	22.00	228.24	231.05	230.17	228.90	225.95	221.27	207.63
640.	207.22	156.70	70.34	29.65	22.65	30.22	20.32	231.13	215.88	219.95	226.10	221.07	217.88	221.02
645.	202.07	185.90	59.19	29.56	22.88	29.34	20.35	229.17	219.38	221.20	218.30	217.52	216.07	200.71
650.	200.95	170.45	65.31	28.22	23.00	29.93	19.65	227.97	215.67	213.75	214.13	214.97	202.39	200.44
655.	**200.63**	**154.27**	**60.50**	**29.17**	**24.60**	**30.19**	**19.57**	**225.55**	**202.32**	**200.93**	**203.58**	**206.05**	**202.27**	**202.00**
660.	189.62	136.92	58.41	27.92	23.97	30.78	19.92	221.70	201.17	199.54	203.58	202.19	199.60	192.95
665.	190.42	155.07	72.68	29.02	21.90	26.35	20.60	219.27	196.07	200.55	202.30	200.72	194.52	193.82
670.	186.60	148.32	67.31	30.95	23.35	28.17	20.42	218.07	196.90	194.65	197.30	197.57	195.38	197.17
675.	185.50	158.55	41.41	29.02	28.42	28.25	19.82	217.88	200.15	196.90	197.57	195.90	191.57	187.88
680.	185.35	123.17	33.68	29.95	27.38	28.67	20.02	217.08	194.42	194.72	197.55	196.63	196.15	193.40
685.	182.47	121.27	48.95	29.55	25.10	29.65	20.40	215.95	196.40	192.35	194.55	192.70	187.55	183.70
690.	180.80	127.98	56.49	27.30	25.02	29.17	19.97	215.82	193.12	190.30	184.82	184.47	183.65	184.07
695.	175.82	152.35	48.10	27.12	28.02	29.65	21.97	207.15	182.50	173.97	174.85	180.87	178.32	181.52
700.	178.40	118.24	57.76	28.37	27.30	29.47	20.15	203.95	181.52	182.32	183.22	184.65	179.35	177.10
705.	178.32	154.72	55.07	27.75	22.60	27.22	19.67	203.19	175.20	173.67	180.00	178.55	175.27	170.75
710.	171.57	145.17	64.79	26.90	22.72	27.45	19.63	202.83	178.00	175.87	176.45	177.17	173.27	168.22
715.	166.22	147.63	44.12	26.77	26.92	28.37	19.88	202.24	175.40	173.22	176.07	176.40	169.55	167.72
720.	165.17	137.07	44.12	35.00	24.52	28.00	19.63	201.27	177.00	174.55	177.02	176.50	169.72	169.10

PRC7-W-4-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	167.38	142.17	42.58	29.20	27.35	28.00	19.80	201.00	179.40	172.15	174.30	177.05	173.02	172.52
730.	169.17	116.07	44.76	27.40	23.42	27.22	19.95	200.63	180.25	176.85	176.10	175.47	171.65	159.25
735.	160.17	86.02	34.98	27.17	21.67	26.15	19.97	200.22	173.40	167.17	169.40	169.50	163.05	158.02
740.	161.60	119.39	58.98	26.52	25.32	25.55	19.65	199.66	176.80	172.02	167.88	166.67	161.20	154.07
745.	160.80	118.27	64.62	25.45	22.75	29.05	19.77	199.73	170.92	168.13	166.67	166.15	159.25	152.72
750.	151.27	117.34	50.90	27.27	29.50	28.20	19.92	199.37	174.55	162.90	161.95	161.90	158.30	156.88
755.	151.85	116.56	52.41	30.12	28.10	27.95	19.72	198.54	171.72	159.80	158.65	162.82	152.38	142.92
760.	154.42	92.71	39.02	27.20	24.67	25.42	20.00	202.47	174.37	161.38	158.07	159.88	149.05	140.02
765.	150.10	120.51	55.63	26.42	24.95	27.32	19.90	201.80	165.32	156.00	152.95	152.30	147.82	144.47
770.	147.82	106.76	61.67	26.72	23.95	26.77	19.85	201.17	166.90	156.35	153.45	153.57	147.77	144.85
775.	142.52	93.76	42.27	26.77	24.00	26.72	19.55	199.52	161.67	155.90	152.60	153.85	147.30	145.47
780.	150.40	91.62	43.54	26.57	24.20	25.75	20.25	198.35	157.30	153.40	152.95	152.60	150.02	142.10
785.	146.17	87.69	59.81	28.10	25.47	26.75	20.45	197.67	162.52	156.47	155.85	154.90	152.40	147.22
790.	140.40	102.17	53.29	28.60	22.50	28.22	20.07	197.32	159.00	155.27	158.02	154.50	149.02	146.22
795.	147.35	91.59	45.80	29.30	24.80	26.57	20.92	196.85	162.52	152.38	152.67	156.20	146.92	139.20
800.	125.76	82.19	42.49	27.40	22.32	28.22	20.30	195.52	169.17	149.82	149.52	151.22	139.32	135.02
805.	148.45	107.76	55.32	26.55	23.87	24.20	20.05	194.92	160.80	151.57	146.52	145.65	140.07	138.15
810.	136.05	87.59	56.85	27.72	26.35	24.47	20.05	193.87	159.22	149.17	146.57	146.17	140.92	137.00
815.	142.80	93.52	51.93	35.51	29.85	25.15	20.22	193.45	162.77	145.63	143.75	142.12	135.72	134.42
820.	126.58	76.12	33.80	28.67	27.88	24.45	20.27	192.75	160.45	145.50	141.15	138.95	126.22	136.52
825.	136.88	76.80	46.34	31.58	27.88	22.20	20.47	191.57	159.38	150.17	145.60	140.17	134.85	127.54
830.	118.78	102.39	53.15	30.19	26.07	23.92	20.10	190.92	154.77	145.17	140.40	138.88	134.57	135.17
835.	136.42	102.34	42.83	28.27	27.12	25.35	20.05	190.17	163.37	143.12	139.38	137.55	128.51	122.73
840.	125.07	92.00	56.93	29.20	26.22	25.27	20.40	189.80	163.42	143.07	136.95	134.77	128.95	128.58

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	20.30	20.17	20.25	20.07	19.97	19.97	19.77	19.82	19.72	20.57	22.30	0.00	0.00	0.00
0.	20.32	20.20	20.17	20.17	19.92	19.97	19.70	19.72	19.70	20.47	22.27	0.00	0.00	0.00
0.	20.32	20.17	20.15	20.15	19.85	19.92	19.70	19.80	19.63	20.47	22.25	0.00	0.00	0.00
0.	20.32	20.20	20.27	20.15	19.82	20.02	19.72	19.82	19.65	20.50	22.25	0.00	0.00	0.00
0.	20.42	20.22	20.22	20.22	19.80	19.90	19.77	19.90	19.70	20.55	22.32	0.00	0.00	0.00
0.	20.45	20.17	20.22	20.17	19.90	19.97	19.77	19.90	19.70	20.50	22.32	0.00	0.00	0.00
5.	21.22	20.92	20.70	20.55	20.25	20.45	20.02	20.00	19.72	20.87	23.87	0.00	0.00	0.00
10.	29.93	30.93	30.12	27.10	21.15	20.87	20.13	20.22	19.88	21.20	26.85	0.00	0.00	0.00
15.	41.58	33.51	25.47	23.75	21.02	21.07	20.17	20.40	20.05	21.63	29.92	0.00	0.00	0.00
20.	51.83	44.88	31.66	24.42	21.05	20.95	20.07	20.17	19.95	21.92	33.17	0.00	0.00	0.00
25.	59.00	42.73	29.57	24.88	21.95	21.47	20.40	20.55	20.25	22.60	35.93	0.00	0.00	0.00
30.	63.29	43.02	29.37	24.32	21.77	21.88	20.42	20.80	20.40	23.47	40.49	0.00	0.00	0.00
35.	83.50	43.95	29.82	25.47	22.57	22.60	20.72	21.05	20.65	24.80	44.95	0.00	0.00	0.00
40.	97.33	58.46	31.10	25.88	23.37	24.02	21.45	21.60	21.10	26.50	52.07	0.00	0.00	0.00
45.	114.71	78.36	34.37	26.50	23.70	24.80	22.10	22.55	21.77	29.10	58.57	0.00	0.00	0.00
50.	148.05	71.95	36.05	29.22	26.32	27.38	23.57	23.63	22.60	31.90	67.38	0.00	0.00	0.00
55.	174.85	116.17	41.12	32.88	27.63	29.22	24.87	25.10	23.55	36.88	78.86	0.00	0.00	0.00
60.	173.63	134.20	46.41	33.83	29.37	31.10	24.77	26.88	25.50	43.34	94.93	0.00	0.00	0.00
65.	216.60	150.12	48.54	36.15	30.17	33.24	26.40	28.08	27.27	49.15	107.58	0.00	0.00	0.00
70.	234.24	157.52	53.34	42.90	32.78	36.22	27.85	30.32	28.65	56.51	118.41	0.00	0.00	0.00
75.	248.85	181.97	71.34	49.34	36.17	39.49	29.15	33.34	30.07	59.59	137.30	0.00	0.00	0.00
80.	245.12	186.17	70.51	55.68	41.85	43.24	31.82	34.49	32.00	67.02	149.70	0.00	0.00	0.00
85.	253.76	223.15	108.73	59.33	45.56	47.41	35.41	39.71	35.27	79.19	163.22	0.00	0.00	0.00
90.	276.19	229.80	94.93	73.19	46.27	58.49	36.02	39.83	35.00	90.95	177.10	0.00	0.00	0.00
95.	301.54	238.44	143.52	83.29	56.80	57.07	41.19	45.95	37.93	106.93	193.97	0.00	0.00	0.00
100.	304.95	243.12	170.27	91.86	64.95	70.05	44.05	45.24	40.93	123.58	205.60	0.00	0.00	0.00
105.	325.93	283.17	192.32	100.22	66.24	66.48	46.58	51.17	43.61	141.07	225.57	0.00	0.00	0.00
110.	328.12	285.63	183.15	102.39	65.26	63.36	45.58	53.71	40.17	146.32	231.19	0.00	0.00	0.00
115.	325.88	286.46	189.47	110.02	60.02	69.85	44.98	49.07	41.00	149.02	238.49	0.00	0.00	0.00
120.	340.50	294.05	158.27	104.73	65.50	75.90	54.00	58.83	47.58	146.67	240.85	0.00	0.00	0.00
125.	342.50	277.54	171.75	114.29	79.52	82.24	53.15	60.40	47.22	158.50	252.17	0.00	0.00	0.00
130.	359.93	290.83	164.30	115.54	79.12	79.98	58.80	64.21	48.66	164.42	259.44	0.00	0.00	0.00
135.	360.74	292.15	180.62	109.15	80.62	84.33	61.81	58.17	50.56	172.70	263.63	0.00	0.00	0.00
140.	346.98	290.78	225.00	113.37	79.79	81.21	61.55	61.14	51.98	171.02	272.90	0.00	0.00	0.00
145.	362.48	306.05	180.13	116.56	76.66	79.21	58.19	59.95	55.98	177.05	276.32	0.00	0.00	0.00
150.	360.17	312.61	197.50	120.41	82.33	93.40	64.55	64.57	55.66	177.05	281.37	0.00	0.00	0.00
155.	395.43	342.71	183.00	133.37	80.17	87.62	69.58	63.83	58.29	185.32	289.78	0.00	0.00	0.00
160.	398.29	339.85	221.27	127.34	82.09	102.46	67.76	66.38	58.90	190.52	296.37	0.00	0.00	0.00
165.	389.24	344.80	205.05	134.77	84.26	89.43	64.93	75.73	61.98	192.88	292.31	0.00	0.00	0.00
170.	355.07	292.26	217.77	133.55	80.17	86.57	69.93	71.85	61.74	198.77	303.51	0.00	0.00	0.00
175.	368.91	313.73	222.62	128.78	86.95	102.66	71.46	73.15	59.83	189.25	306.27	0.00	0.00	0.00
180.	370.23	329.29	228.67	137.70	92.02	108.73	72.80	64.50	62.59	200.90	310.27	0.00	0.00	0.00
185.	384.86	320.79	228.45	143.07	90.48	110.61	76.93	66.88	58.62	201.77	310.73	0.00	0.00	0.00
190.	366.14	329.43	233.54	134.82	88.55	101.10	71.44	72.46	59.05	201.61	312.56	0.00	0.00	0.00
195.	369.81	313.50	246.63	164.25	85.07	103.46	72.95	78.52	58.90	204.34	317.02	0.00	0.00	0.00
200.	362.98	330.40	259.98	145.30	91.59	94.74	78.80	81.50	65.40	204.61	312.45	0.00	0.00	0.00
205.	364.44	311.76	240.37	160.55	104.73	112.07	75.68	79.40	65.24	203.78	313.05	0.00	0.00	0.00
210.	381.24	342.50	243.90	156.05	94.57	112.19	79.12	76.15	63.86	201.95	312.48	0.00	0.00	0.00
215.	409.81	340.69	255.05	174.27	94.21	103.61	76.39	77.79	64.05	213.75	315.24	0.00	0.00	0.00
220.	370.05	340.12	260.66	160.92	94.79	110.66	79.24	84.26	62.83	214.67	317.31	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	389.81	341.64	256.46	146.05	95.19	119.78	78.76	83.07	65.95	216.70	319.02	0.00	0.00	0.00
230.	388.74	322.09	251.68	167.55	101.02	112.15	79.09	77.54	60.55	220.30	321.12	0.00	0.00	0.00
235.	408.67	326.69	232.65	143.67	107.46	121.10	78.27	77.49	65.76	219.00	321.59	0.00	0.00	0.00
240.	396.45	344.66	248.17	157.32	104.22	121.63	81.64	76.46	67.59	220.85	320.55	0.00	0.00	0.00
245.	368.95	317.00	255.85	146.50	102.00	116.34	77.83	76.85	60.17	219.15	320.31	0.00	0.00	0.00
250.	368.70	321.26	249.37	157.22	115.24	122.29	80.24	75.00	59.24	219.20	321.26	0.00	0.00	0.00
255.	367.46	314.64	250.02	149.42	89.83	115.73	79.05	85.02	60.17	205.93	322.74	0.00	0.00	0.00
260.	368.46	311.93	248.02	151.05	92.93	110.41	84.03	86.14	64.29	217.17	323.67	0.00	0.00	0.00
265.	363.17	322.59	236.19	146.97	95.69	105.12	77.32	83.76	64.33	224.65	323.40	0.00	0.00	0.00
270.	382.02	311.17	216.47	145.17	100.24	114.93	79.80	90.19	66.50	226.20	325.43	0.00	0.00	0.00
275.	345.50	315.50	240.61	155.90	105.27	109.49	80.88	85.57	66.43	230.82	326.50	0.00	0.00	0.00
280.	357.43	317.37	242.29	157.70	108.95	116.32	85.48	85.07	67.29	225.38	327.88	0.00	0.00	0.00
285.	357.79	309.05	230.83	153.57	109.49	121.54	87.95	85.21	65.24	230.70	325.21	0.00	0.00	0.00
290.	357.45	312.02	218.80	152.57	106.51	105.78	88.21	86.29	65.02	226.50	325.19	0.00	0.00	0.00
295.	365.17	316.05	251.34	157.62	93.48	118.49	84.38	83.05	63.33	219.25	326.81	0.00	0.00	0.00
300.	362.51	314.02	230.51	146.00	95.90	103.56	80.79	88.14	66.17	217.82	328.21	0.00	0.00	0.00
305.	369.17	311.69	240.95	165.90	106.46	103.68	78.88	92.64	71.61	225.52	328.09	0.00	0.00	0.00
310.	349.45	317.05	233.46	157.32	109.49	121.19	82.17	82.86	64.52	223.27	325.43	0.00	0.00	0.00
315.	347.33	303.66	232.95	149.97	93.05	116.66	86.93	91.55	66.09	221.45	327.55	0.00	0.00	0.00
320.	364.12	315.38	214.07	154.22	97.12	102.78	83.29	95.29	75.73	221.32	329.29	0.00	0.00	0.00
325.	353.55	315.05	242.56	170.52	104.98	113.56	87.76	88.31	70.71	223.40	328.31	0.00	0.00	0.00
330.	366.23	313.07	228.34	153.20	101.41	116.05	82.67	88.86	79.49	223.50	327.17	0.00	0.00	0.00
335.	354.40	317.80	252.58	164.97	103.49	113.32	85.29	81.59	67.86	221.88	326.71	0.00	0.00	0.00
340.	353.62	313.12	229.68	154.65	102.37	104.29	86.79	84.26	63.50	226.32	328.24	0.00	0.00	0.00
345.	359.26	340.32	249.73	158.70	104.90	108.12	83.76	96.40	63.59	223.72	328.98	0.00	0.00	0.00
350.	353.21	316.85	227.90	142.40	93.02	105.22	89.21	90.83	75.34	228.92	326.98	0.00	0.00	0.00
355.	356.86	310.55	248.22	156.60	95.07	106.80	80.07	90.93	72.24	228.42	327.88	0.00	0.00	0.00
360.	360.24	308.78	216.97	148.77	105.76	109.32	79.19	93.43	71.24	226.07	326.43	0.00	0.00	0.00
365.	352.64	312.85	228.66	149.90	100.34	105.39	80.12	95.93	72.46	226.77	326.43	0.00	0.00	0.00
370.	346.40	317.80	231.27	144.92	95.86	121.54	84.09	90.93	67.40	217.00	327.86	0.00	0.00	0.00
375.	353.19	310.19	240.88	156.82	101.56	103.76	81.79	91.76	73.51	219.50	327.26	0.00	0.00	0.00
380.	355.50	292.26	204.90	151.32	101.34	112.71	85.19	90.00	73.22	225.50	326.76	0.00	0.00	0.00
385.	354.45	310.93	219.35	158.75	109.93	110.61	85.79	86.48	71.02	222.12	325.57	0.00	0.00	0.00
390.	351.86	312.69	248.24	161.63	105.00	120.76	81.26	85.55	71.93	223.00	325.33	0.00	0.00	0.00
395.	350.31	314.45	259.73	187.45	105.02	110.90	85.12	87.55	71.29	223.57	324.00	0.00	0.00	0.00
400.	357.24	321.69	236.39	149.40	96.09	122.02	87.05	84.69	71.54	225.42	323.76	0.00	0.00	0.00
405.	342.09	310.44	242.68	161.70	96.88	110.85	87.21	89.17	70.29	220.32	324.31	0.00	0.00	0.00
410.	341.09	303.07	231.66	170.87	100.98	111.27	85.88	86.62	67.00	222.05	322.43	0.00	0.00	0.00
415.	344.46	304.00	242.51	175.95	90.26	115.37	86.79	91.05	66.95	218.72	321.90	0.00	0.00	0.00
420.	344.07	316.71	253.44	175.97	102.93	111.54	79.24	91.43	70.51	219.90	320.57	0.00	0.00	0.00
425.	360.31	303.85	233.88	147.35	101.41	117.29	82.88	89.64	76.15	214.77	318.14	0.00	0.00	0.00
430.	343.07	306.34	235.58	158.85	101.19	122.58	84.00	83.69	65.07	213.65	317.02	0.00	0.00	0.00
435.	340.90	296.32	230.73	157.20	102.56	103.32	79.17	83.79	71.44	218.57	316.14	0.00	0.00	0.00
440.	340.61	304.44	222.05	145.80	96.86	110.98	89.50	80.29	67.40	220.38	314.55	0.00	0.00	0.00
445.	320.59	293.29	237.63	167.32	111.90	112.15	87.71	85.07	66.90	220.67	312.88	0.00	0.00	0.00
450.	325.33	280.17	231.38	159.17	93.29	110.89	78.12	80.64	65.62	216.22	310.22	0.00	0.00	0.00
455.	330.24	294.12	232.00	155.52	102.83	115.39	83.02	82.76	67.45	207.95	314.34	0.00	0.00	0.00
460.	315.93	285.12	228.72	149.82	102.80	112.66	78.52	89.67	61.69	215.38	312.80	0.00	0.00	0.00
465.	304.17	268.37	214.82	154.90	106.07	116.80	88.55	77.93	60.40	216.13	310.61	0.00	0.00	0.00
470.	317.15	281.63	214.30	148.47	103.63	113.12	85.26	87.52	64.50	205.83	309.07	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	301.73	264.71	198.15	144.22	102.90	107.00	86.05	84.55	62.45	201.41	305.41	0.00	0.00	0.00
480.	313.00	278.90	214.97	147.02	101.49	110.29	81.95	86.64	64.36	200.05	303.34	0.00	0.00	0.00
485.	311.41	259.29	183.60	149.10	101.63	111.32	77.93	81.38	64.45	198.90	301.51	0.00	0.00	0.00
490.	308.29	258.07	195.65	147.00	94.14	111.51	80.83	84.09	71.49	201.97	291.86	0.00	0.00	0.00
495.	288.83	232.88	174.52	129.10	83.36	103.78	81.95	85.14	63.31	199.38	295.56	0.00	0.00	0.00
500.	284.24	248.63	185.92	135.88	93.79	116.32	82.88	90.36	63.40	194.32	293.46	0.00	0.00	0.00
505.	303.39	240.34	180.27	144.80	94.93	108.07	79.12	83.59	63.43	197.60	291.00	0.00	0.00	0.00
510.	291.17	227.47	188.10	148.52	94.48	110.37	77.76	78.05	61.17	190.50	288.24	0.00	0.00	0.00
515.	289.56	248.07	202.02	157.82	104.22	106.49	80.69	85.31	65.21	195.92	285.49	0.00	0.00	0.00
520.	264.34	243.98	206.56	151.60	110.15	112.49	77.76	78.76	62.14	185.27	281.02	0.00	0.00	0.00
525.	293.12	279.07	227.88	165.77	111.32	120.98	78.74	74.68	65.26	186.22	277.76	0.00	0.00	0.00
530.	293.37	266.44	229.52	164.13	108.54	120.32	79.95	78.34	71.41	190.63	274.90	0.00	0.00	0.00
535.	287.24	242.44	202.98	168.82	102.15	116.54	78.40	79.52	74.15	191.92	271.73	0.00	0.00	0.00
540.	295.41	244.41	206.34	161.17	103.90	106.10	74.83	77.98	65.43	178.70	269.80	0.00	0.00	0.00
545.	270.90	232.39	200.15	159.60	102.66	117.39	78.93	76.44	63.33	181.95	267.22	0.00	0.00	0.00
550.	239.32	203.66	186.82	155.07	105.12	105.76	78.88	78.17	60.83	173.13	264.37	0.00	0.00	0.00
555.	274.10	228.66	187.25	153.90	101.61	116.66	72.88	71.37	63.33	174.62	260.56	0.00	0.00	0.00
560.	259.37	220.07	178.72	148.27	114.41	103.66	71.22	77.17	67.83	173.92	257.76	0.00	0.00	0.00
565.	257.44	223.30	174.55	139.72	100.51	97.48	72.32	73.85	64.21	173.60	254.95	0.00	0.00	0.00
570.	241.49	208.07	168.13	124.95	93.57	96.95	75.61	71.56	61.38	176.75	252.02	0.00	0.00	0.00
575.	239.58	207.05	159.20	114.44	90.48	106.51	74.80	71.71	62.00	169.57	248.80	0.00	0.00	0.00
580.	225.55	193.90	161.75	121.00	85.67	94.31	74.98	76.12	60.59	171.47	245.73	0.00	0.00	0.00
585.	226.52	185.57	139.13	114.80	84.05	94.14	77.71	74.29	61.62	171.20	243.68	0.00	0.00	0.00
590.	231.15	192.00	147.40	108.12	79.83	93.64	79.22	74.51	59.00	163.52	241.76	0.00	0.00	0.00
595.	230.29	201.27	147.60	115.76	88.81	100.58	76.19	71.24	58.29	164.42	239.05	0.00	0.00	0.00
600.	229.39	174.27	128.27	108.61	84.26	92.57	77.90	73.27	60.88	165.07	236.58	0.00	0.00	0.00
605.	224.62	183.13	138.75	108.58	79.52	85.57	70.15	67.76	61.36	164.27	234.71	0.00	0.00	0.00
610.	219.45	176.07	136.97	101.51	77.00	95.43	64.57	61.21	59.86	162.78	232.78	0.00	0.00	0.00
615.	216.42	180.77	151.05	111.71	78.71	89.05	66.88	60.19	59.24	161.07	231.88	0.00	0.00	0.00
620.	219.10	179.27	137.97	118.27	86.76	89.17	70.44	60.83	58.86	157.75	230.00	0.00	0.00	0.00
625.	203.15	173.32	142.05	110.88	84.64	91.74	70.17	63.24	57.00	155.42	233.35	0.00	0.00	0.00
630.	200.13	166.42	127.76	110.58	82.21	85.52	70.54	61.81	56.93	152.55	231.02	0.00	0.00	0.00
635.	189.27	159.57	125.19	110.83	78.29	86.05	74.54	64.90	56.29	154.77	229.47	0.00	0.00	0.00
640.	201.35	149.00	117.93	93.86	75.78	82.98	65.45	65.07	54.73	139.15	226.88	0.00	0.00	0.00
645.	188.57	154.70	139.22	113.95	87.59	83.38	65.43	64.59	56.15	149.65	225.25	0.00	0.00	0.00
650.	185.82	167.77	141.67	109.73	82.36	87.95	63.98	61.31	55.51	139.77	223.25	0.00	0.00	0.00
655.	198.57	166.35	127.46	100.63	74.44	79.52	62.48	64.52	56.10	127.00	221.30	0.00	0.00	0.00
660.	170.75	159.97	142.80	114.76	79.05	85.83	65.24	61.86	57.22	129.00	219.65	0.00	0.00	0.00
665.	170.97	155.77	126.02	111.63	85.38	89.98	74.58	61.36	53.98	115.66	217.10	0.00	0.00	0.00
670.	183.25	156.20	133.77	106.98	81.24	89.62	73.05	62.55	57.56	120.76	215.08	0.00	0.00	0.00
675.	177.25	129.00	112.83	97.59	77.69	82.74	64.45	58.52	56.27	127.85	214.00	0.00	0.00	0.00
680.	182.75	153.40	123.78	102.22	80.33	86.14	65.90	63.05	58.98	128.05	207.88	0.00	0.00	0.00
685.	175.20	148.50	135.15	108.05	84.79	85.86	65.76	63.90	54.85	133.70	205.66	0.00	0.00	0.00
690.	178.70	160.97	119.58	101.85	83.86	89.74	69.90	62.76	55.83	127.78	204.44	0.00	0.00	0.00
695.	172.80	146.88	127.05	103.76	83.57	85.76	61.86	59.43	55.15	134.13	203.51	0.00	0.00	0.00
700.	164.20	149.30	135.15	109.27	76.85	80.38	58.79	57.44	55.22	126.85	202.22	0.00	0.00	0.00
705.	160.15	148.37	129.49	107.61	77.98	82.02	59.09	56.88	52.66	125.61	200.93	0.00	0.00	0.00
710.	159.00	145.20	125.68	111.58	72.73	82.09	59.26	57.41	54.49	124.73	199.73	0.00	0.00	0.00
715.	163.07	140.55	124.71	110.58	70.78	85.17	62.24	58.24	55.22	125.73	203.17	0.00	0.00	0.00
720.	162.32	133.55	94.24	89.33	74.66	81.86	62.38	58.38	52.98	122.51	201.32	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	162.82	143.00	116.22	95.29	71.56	75.58	58.88	59.83	55.46	125.85	200.50	0.00	0.00	0.00
730.	156.97	137.20	114.24	94.62	71.61	77.69	57.93	58.22	53.66	126.02	199.62	0.00	0.00	0.00
735.	146.50	137.13	124.71	101.02	79.93	82.43	63.09	57.19	51.00	124.41	199.30	0.00	0.00	0.00
740.	137.07	116.46	109.54	92.90	77.34	80.24	64.52	61.86	52.22	124.56	197.97	0.00	0.00	0.00
745.	137.42	116.41	105.22	93.19	79.19	79.95	63.19	58.29	53.44	123.98	196.52	0.00	0.00	0.00
750.	142.38	125.00	108.32	91.36	73.27	77.61	61.52	56.98	52.39	125.02	195.45	0.00	0.00	0.00
755.	127.27	116.54	108.58	95.88	76.78	78.95	59.24	53.90	51.56	122.07	194.22	0.00	0.00	0.00
760.	129.17	118.76	103.71	89.33	70.37	78.00	59.81	51.07	50.05	113.66	193.25	0.00	0.00	0.00
765.	133.30	117.49	107.85	96.93	78.80	82.45	60.95	59.12	50.12	115.02	191.92	0.00	0.00	0.00
770.	137.13	123.80	109.73	91.21	70.37	78.98	61.83	54.49	50.85	116.83	191.30	0.00	0.00	0.00
775.	129.56	116.73	103.85	88.95	79.29	78.29	60.45	56.83	50.12	115.19	190.55	0.00	0.00	0.00
780.	135.77	118.51	101.27	92.09	78.37	80.48	62.33	58.46	49.88	114.27	189.25	0.00	0.00	0.00
785.	137.60	101.76	90.21	84.33	70.73	78.24	59.88	55.12	49.98	115.56	188.67	0.00	0.00	0.00
790.	140.02	118.44	93.31	88.29	78.85	82.71	63.90	60.09	52.83	113.66	187.97	0.00	0.00	0.00
795.	124.93	97.24	89.93	83.64	66.67	74.32	55.19	55.73	49.90	110.76	187.42	0.00	0.00	0.00
800.	128.24	118.78	95.83	84.88	73.17	77.98	60.95	57.39	49.80	111.54	186.15	0.00	0.00	0.00
805.	127.80	101.71	85.05	81.74	74.73	79.00	60.76	53.41	50.24	107.24	185.60	0.00	0.00	0.00
810.	129.61	115.90	85.26	83.57	74.46	78.41	59.33	54.90	49.46	106.37	184.40	0.00	0.00	0.00
815.	125.78	114.56	104.37	93.05	75.66	72.15	60.86	57.80	47.12	106.15	183.20	0.00	0.00	0.00
820.	128.68	116.68	100.05	82.02	70.66	78.51	58.62	58.17	46.32	106.32	182.17	0.00	0.00	0.00
825.	120.24	106.22	91.55	81.14	65.50	74.73	57.51	54.24	47.27	107.76	181.02	0.00	0.00	0.00
830.	125.54	107.54	96.07	80.69	60.43	65.36	55.73	55.41	49.58	103.58	180.27	0.00	0.00	0.00
835.	119.93	105.29	90.64	80.31	63.40	66.98	57.66	54.73	48.78	105.02	179.50	0.00	0.00	0.00
840.	124.68	109.78	78.74	72.10	59.90	71.34	57.46	54.22	47.39	106.34	179.00	0.00	0.00	0.00

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	0.00	0.00	19.47	13536.55	0.00	-0.00	-0.01	0.13	0.00	0.00	0.00	0.00	21.00	0.24
0.	0.00	0.00	29.71	13508.04	0.00	-0.00	-0.01	0.12	0.00	0.00	0.00	0.00	21.03	-0.81
0.	0.00	0.00	40.14	13508.04	-0.00	-0.00	-0.01	0.09	0.00	0.00	0.00	0.00	21.00	0.29
0.	0.00	0.00	50.38	13536.55	0.00	-0.00	-0.01	0.10	0.00	0.00	0.00	0.00	21.13	-0.11
0.	0.00	0.00	59.67	13565.06	-0.00	-0.00	-0.01	-0.13	0.00	0.00	0.00	0.00	21.00	0.14
0.	0.00	0.00	69.91	13565.06	0.00	-0.00	-0.01	-0.25	0.00	0.00	0.00	0.00	21.03	0.25
5.	0.00	0.00	10.22	13696.20	0.00	0.00	0.05	-0.19	0.00	0.00	0.00	0.00	21.08	1.38
10.	0.00	0.00	19.47	13508.04	0.00	0.03	0.09	0.05	0.00	0.00	0.00	0.00	21.08	2.53
15.	0.00	0.00	29.71	13536.55	0.00	0.06	0.13	0.06	0.00	0.00	0.00	0.00	21.01	3.19
20.	0.00	0.00	40.14	13536.55	0.01	0.08	0.19	-0.16	0.00	0.00	0.00	0.00	20.80	2.67
25.	0.00	0.00	50.38	13536.55	0.01	0.11	0.25	-0.15	0.00	0.00	0.00	0.00	20.61	3.31
30.	0.00	0.00	59.66	13536.55	0.01	0.13	0.25	0.03	0.00	0.00	0.00	0.00	20.46	3.36
35.	0.00	0.00	69.90	13508.04	0.02	0.15	0.33	-0.40	0.00	0.00	0.00	0.00	20.31	6.01
40.	0.00	0.00	10.21	13570.76	0.04	0.19	0.46	1.55	0.00	0.00	0.00	0.00	20.06	6.45
45.	0.00	0.00	19.47	13422.51	0.06	0.25	0.53	0.91	0.00	0.00	0.00	0.00	20.01	8.31
50.	0.00	0.00	29.71	13365.48	0.09	0.30	0.65	0.05	0.00	0.00	0.00	0.00	19.82	7.05
55.	0.00	0.00	40.13	13336.98	0.13	0.39	0.78	-0.33	0.00	0.00	0.00	0.00	19.42	5.97
60.	0.00	0.00	50.37	13336.98	0.16	0.46	0.90	0.14	0.00	0.00	0.00	0.00	19.13	4.53
65.	0.00	0.00	59.66	13279.95	0.19	0.53	1.02	-0.43	0.00	0.00	0.00	0.00	18.80	9.11
70.	0.00	0.00	69.90	13137.40	0.24	0.61	1.18	-0.37	0.00	0.00	0.00	0.00	18.30	10.00
75.	0.00	0.00	10.21	13145.96	0.28	0.66	1.28	3.03	0.00	0.00	0.00	0.00	17.98	9.40
80.	0.00	0.00	19.47	12909.32	0.33	0.73	1.44	1.43	0.00	0.00	0.00	0.00	17.56	8.67
85.	0.00	0.00	29.71	12852.31	0.40	0.83	1.66	-0.50	0.00	0.00	0.00	0.00	17.23	11.53
90.	0.00	0.00	40.13	12738.27	0.48	0.90	1.85	-0.41	0.00	0.00	0.00	0.00	16.95	12.52
95.	0.00	0.00	50.38	12624.23	0.58	1.01	1.97	-0.62	0.00	0.00	0.00	0.00	16.42	7.41
100.	0.00	0.00	59.65	12453.17	0.66	1.10	2.30	-0.76	0.00	0.00	0.00	0.00	16.12	8.47
105.	0.00	0.00	69.90	12282.11	0.72	1.13	2.40	-0.64	0.00	0.00	0.00	0.00	15.72	14.28
110.	0.00	0.00	10.22	12239.34	0.75	1.14	0.56	3.26	0.00	0.00	0.00	0.00	15.38	6.76
115.	0.00	0.00	19.47	11997.01	0.76	1.15	2.35	2.59	0.00	0.00	0.00	0.00	15.19	13.39
120.	0.00	0.00	29.72	11825.95	0.78	1.12	2.38	0.42	0.00	0.00	0.00	0.00	14.94	10.00
125.	0.00	0.00	40.14	11683.39	0.82	1.10	2.39	-0.66	0.00	0.00	0.00	0.00	15.00	8.96
130.	0.00	0.00	50.38	11512.34	0.85	1.10	2.51	0.49	0.00	0.00	0.00	0.00	15.09	8.39
135.	0.00	0.00	59.65	11398.30	0.87	1.09	2.51	-0.79	0.00	0.00	0.00	0.00	14.95	11.23
140.	0.00	0.00	69.91	11227.23	0.92	1.12	2.63	-0.67	0.00	0.00	0.00	0.00	15.09	10.81
145.	0.00	0.00	10.22	11110.35	0.95	1.12	2.77	3.79	0.00	0.00	0.00	0.00	15.08	7.89
150.	0.00	0.00	19.47	10913.63	0.97	1.09	2.64	2.69	0.00	0.00	0.00	0.00	14.94	11.19
155.	0.00	0.00	29.71	10742.57	0.99	1.09	2.67	0.54	0.00	0.00	0.00	0.00	15.04	11.72
160.	0.00	0.00	40.14	10571.51	1.02	1.08	2.67	0.49	0.00	0.00	0.00	0.00	15.11	9.77
165.	0.00	0.00	50.39	10428.95	1.02	1.06	2.71	-0.53	0.00	0.00	0.00	0.00	15.05	8.24
170.	0.00	0.00	59.66	10286.40	1.01	1.04	2.68	-0.68	0.00	0.00	0.00	0.00	15.25	12.92
175.	0.00	0.00	69.91	10115.35	1.02	1.03	2.72	-0.79	0.00	0.00	0.00	0.00	15.13	14.23
180.	0.00	0.00	10.22	10049.77	1.06	1.03	2.81	4.16	0.00	0.00	0.00	0.00	15.17	10.94
185.	0.00	0.00	19.47	9830.24	1.08	1.01	2.69	2.04	0.00	0.00	0.00	0.00	15.28	10.02
190.	0.00	0.00	29.72	9659.18	1.09	1.01	2.76	0.32	0.00	0.00	0.00	0.00	15.33	9.49
195.	0.00	0.00	40.13	9516.64	1.11	1.01	2.87	-0.65	0.00	0.00	0.00	0.00	15.39	12.38
200.	0.00	0.00	50.38	9374.09	1.14	0.99	2.74	-0.65	0.00	0.00	0.00	0.00	15.40	9.40
205.	0.00	0.00	59.65	9174.52	1.13	0.99	2.81	-0.86	0.00	0.00	0.00	0.00	15.33	13.28
210.	0.00	0.00	69.91	9031.97	1.13	0.98	2.76	-0.71	0.00	0.00	0.00	0.00	15.38	8.49
215.	0.00	0.00	10.21	8989.20	1.15	0.96	2.76	3.80	0.00	0.00	0.00	0.00	15.51	8.40
220.	0.00	0.00	19.48	8775.38	1.17	0.98	2.73	3.30	0.00	0.00	0.00	0.00	15.41	10.61

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	0.00	0.00	29.71	8575.81	1.15	0.95	2.84	-0.15	0.00	0.00	0.00	0.00	15.55	11.95
230.	0.00	0.00	40.13	8461.77	1.14	0.94	2.74	-0.60	0.00	0.00	0.00	0.00	15.47	9.44
235.	0.00	0.00	50.37	8319.22	1.17	0.94	2.68	-0.57	0.00	0.00	0.00	0.00	15.46	9.55
240.	0.00	0.00	59.66	8176.67	1.14	0.92	2.66	-0.93	0.00	0.00	0.00	0.00	15.59	11.71
245.	0.00	0.00	69.90	8034.11	1.16	0.91	2.61	-0.69	0.00	0.00	0.00	0.00	15.68	10.40
250.	0.00	0.00	10.22	7959.99	1.13	0.90	2.57	4.22	0.00	0.00	0.00	0.00	15.71	13.95
255.	0.00	0.00	19.47	7749.02	1.15	0.89	2.66	3.19	0.00	0.00	0.00	0.00	15.79	9.20
260.	0.00	0.00	29.71	7634.98	1.15	0.88	2.72	-0.50	0.00	0.00	0.00	0.00	15.84	10.48
265.	0.00	0.00	40.14	7529.49	1.13	0.86	2.52	-0.78	0.00	0.00	0.00	0.00	15.82	10.41
270.	0.00	0.00	50.38	7386.94	1.15	0.88	2.67	-0.70	0.00	0.00	0.00	0.00	15.92	12.88
275.	0.00	0.00	59.66	7275.75	1.15	0.86	2.64	-0.80	0.00	0.00	0.00	0.00	15.87	11.49
280.	0.00	0.00	69.91	7133.20	1.16	0.86	2.56	-0.79	0.00	0.00	0.00	0.00	15.92	8.77
285.	0.00	0.00	10.21	6970.69	1.15	0.86	2.59	3.48	0.00	0.00	0.00	0.00	15.99	11.44
290.	0.00	0.00	19.47	6873.76	1.14	0.85	2.57	2.81	0.00	0.00	0.00	0.00	15.96	12.23
295.	0.00	0.00	29.72	6748.32	1.13	0.83	2.69	1.45	0.00	0.00	0.00	0.00	16.12	9.71
300.	0.00	0.00	40.14	6602.91	1.15	0.83	2.48	0.43	0.00	0.00	0.00	0.00	16.14	10.07
305.	0.00	0.00	50.38	6480.32	1.14	0.83	2.58	-0.64	0.00	0.00	0.00	0.00	16.18	9.74
310.	0.00	0.00	59.66	6357.73	1.13	0.83	2.58	-0.61	0.00	0.00	0.00	0.00	16.18	11.86
315.	0.00	0.00	69.91	6240.84	1.14	0.83	2.61	-0.80	0.00	0.00	0.00	0.00	16.07	9.83
320.	0.00	0.00	10.22	6121.10	1.16	0.82	2.54	4.12	0.00	0.00	0.00	0.00	16.17	10.21
325.	0.00	0.00	19.47	6032.71	1.15	0.82	2.49	3.11	0.00	0.00	0.00	0.00	16.12	10.76
330.	0.00	0.00	29.71	5861.65	1.15	0.82	2.62	1.91	0.00	0.00	0.00	0.00	16.28	11.65
335.	0.00	0.00	40.14	5781.82	1.14	0.80	2.53	0.08	0.00	0.00	0.00	0.00	16.31	10.66
340.	0.00	0.00	50.38	5642.13	1.11	0.81	2.56	-0.79	0.00	0.00	0.00	0.00	16.24	10.51
345.	0.00	0.00	59.66	5519.53	1.13	0.80	2.45	-0.08	0.00	0.00	0.00	0.00	16.34	10.52
350.	0.00	0.00	69.91	5408.35	1.13	0.78	2.55	-0.82	0.00	0.00	0.00	0.00	16.27	10.29
355.	0.00	0.00	10.22	5308.56	1.13	0.78	2.49	3.59	0.00	0.00	0.00	0.00	16.42	10.25
360.	0.00	0.00	19.48	5174.56	1.13	0.79	0.21	3.32	0.00	0.00	0.00	0.00	16.51	12.10
365.	0.00	0.00	29.72	5071.93	1.14	0.78	2.51	1.37	0.00	0.00	0.00	0.00	16.47	9.83
370.	0.00	0.00	40.14	4963.59	1.15	0.78	2.45	-0.44	0.00	0.00	0.00	0.00	16.38	9.02
375.	0.00	0.00	50.39	4843.85	1.11	0.76	2.40	-0.64	0.00	0.00	0.00	0.00	16.46	10.63
380.	0.00	0.00	59.67	4726.95	1.12	0.77	2.53	-0.81	0.00	0.00	0.00	0.00	16.52	9.43
385.	0.00	0.00	69.91	4630.02	1.11	0.76	2.44	-0.90	0.00	0.00	0.00	0.00	16.59	9.78
390.	0.00	0.00	10.22	4521.68	1.09	0.74	2.28	3.27	0.00	0.00	0.00	0.00	16.61	10.41
395.	0.00	0.00	19.48	4427.60	1.10	0.75	2.47	2.59	0.00	0.00	0.00	0.00	16.67	10.55
400.	0.00	0.00	29.73	4307.86	1.08	0.74	2.38	1.05	0.00	0.00	0.00	0.00	16.70	10.47
405.	0.00	0.00	40.14	4213.78	1.11	0.74	2.40	-0.59	0.00	0.00	0.00	0.00	16.77	8.57
410.	0.00	0.00	50.39	4102.59	1.07	0.74	2.42	-0.72	0.00	0.00	0.00	0.00	16.68	9.66
415.	0.00	0.00	59.67	4025.61	1.05	0.74	2.35	-0.65	0.00	0.00	0.00	0.00	16.84	9.74
420.	0.00	0.00	69.92	3928.68	1.05	0.72	2.20	-0.84	0.00	0.00	0.00	0.00	16.81	10.68
425.	0.00	0.00	10.23	3817.49	1.04	0.72	2.28	4.20	0.00	0.00	0.00	0.00	16.87	8.67
430.	0.00	0.00	19.48	3754.77	1.04	0.72	2.35	2.89	0.00	0.00	0.00	0.00	16.91	8.89
435.	0.00	0.00	29.73	3652.13	1.03	0.72	2.23	1.09	0.00	0.00	0.00	0.00	16.95	10.52
440.	0.00	0.00	40.14	3558.05	1.00	0.71	2.30	-0.65	0.00	0.00	0.00	0.00	17.03	9.33
445.	0.00	0.00	50.39	3472.52	0.99	0.70	2.11	-0.65	0.00	0.00	0.00	0.00	17.00	9.97
450.	0.00	0.00	59.67	3398.39	0.99	0.69	2.19	-0.75	0.00	0.00	0.00	0.00	16.96	9.68
455.	0.00	0.00	69.91	3307.16	0.97	0.66	2.06	-0.72	0.00	0.00	0.00	0.00	17.18	9.27
460.	0.00	0.00	10.22	3238.74	0.95	0.66	2.09	3.57	0.00	0.00	0.00	0.00	17.33	10.13
465.	0.00	0.00	19.47	3167.46	0.94	0.67	2.08	3.00	0.00	0.00	0.00	0.00	17.37	9.41
470.	0.00	0.00	29.72	3064.82	0.93	0.66	1.98	0.97	0.00	0.00	0.00	0.00	17.38	8.39

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	0.00	0.00	40.14	3024.91	0.91	0.64	1.90	-0.86	0.00	0.00	0.00	0.00	17.47	8.91
480.	0.00	0.00	50.39	2950.78	0.89	0.62	1.90	-0.72	0.00	0.00	0.00	0.00	17.48	10.36
485.	0.00	0.00	59.66	2893.77	0.87	0.62	1.85	-0.87	0.00	0.00	0.00	0.00	17.54	9.63
490.	0.00	0.00	69.91	2813.94	0.86	0.62	1.82	-0.76	0.00	0.00	0.00	0.00	17.69	10.28
495.	0.00	0.00	10.22	2759.77	0.86	0.61	1.82	3.59	0.00	0.00	0.00	0.00	17.73	8.12
500.	0.00	0.00	19.48	2711.30	0.83	0.60	1.79	2.21	0.00	0.00	0.00	0.00	17.75	8.98
505.	0.00	0.00	29.72	2645.73	0.82	0.59	1.73	1.14	0.00	0.00	0.00	0.00	17.71	8.76
510.	0.00	0.00	40.14	2391.99	0.80	0.59	1.67	-0.46	0.00	0.00	0.00	0.00	17.84	9.26
515.	0.00	0.00	50.38	2431.90	0.77	0.59	1.70	-0.66	0.00	0.00	0.00	0.00	17.95	8.50
520.	0.00	0.00	59.66	2369.18	0.77	0.57	1.49	-0.89	0.00	0.00	0.00	0.00	18.01	8.12
525.	0.00	0.00	69.91	2303.61	0.75	0.56	1.53	-0.78	0.00	0.00	0.00	0.00	17.98	8.36
530.	0.00	0.00	10.22	2238.03	0.71	0.55	1.54	3.85	0.00	0.00	0.00	0.00	18.25	7.71
535.	0.00	0.00	19.48	2192.42	0.68	0.54	1.47	2.65	0.00	0.00	0.00	0.00	18.26	8.49
540.	0.00	0.00	29.72	2135.40	0.67	0.53	1.42	0.43	0.00	0.00	0.00	0.00	18.39	8.05
545.	0.00	0.00	40.13	2098.34	0.66	0.53	1.42	0.34	0.00	0.00	0.00	0.00	18.41	8.49
550.	0.00	0.00	50.39	2058.42	0.64	0.51	1.39	-0.63	0.00	0.00	0.00	0.00	18.51	8.17
555.	0.00	0.00	59.67	2004.25	0.62	0.49	1.28	-0.90	0.00	0.00	0.00	0.00	18.57	7.79
560.	0.00	0.00	69.90	1958.64	0.62	0.49	1.34	-0.81	0.00	0.00	0.00	0.00	18.64	7.18
565.	0.00	0.00	10.22	1932.98	0.61	0.48	1.31	2.76	0.00	0.00	0.00	0.00	18.65	7.95
570.	0.00	0.00	19.48	1901.62	0.59	0.47	1.27	2.87	0.00	0.00	0.00	0.00	18.68	6.30
575.	0.00	0.00	29.72	1864.55	0.57	0.47	1.22	0.29	0.00	0.00	0.00	0.00	18.78	7.16
580.	0.00	0.00	40.14	1824.64	0.56	0.46	1.28	-0.63	0.00	0.00	0.00	0.00	18.69	7.75
585.	0.00	0.00	50.39	1798.98	0.57	0.46	1.14	-0.77	0.00	0.00	0.00	0.00	18.81	7.87
590.	0.00	0.00	59.66	1756.22	0.56	0.44	1.15	-0.74	0.00	0.00	0.00	0.00	18.86	6.66
595.	0.00	0.00	69.91	1682.09	0.54	0.45	1.22	-0.81	0.00	0.00	0.00	0.00	18.90	7.17
600.	0.00	0.00	10.22	1650.73	0.52	0.43	1.18	2.97	0.00	0.00	0.00	0.00	18.93	7.22
605.	0.00	0.00	19.48	1630.77	0.52	0.43	1.16	1.50	0.00	0.00	0.00	0.00	18.95	7.20
610.	0.00	0.00	29.72	1607.96	0.51	0.42	1.11	-0.40	0.00	0.00	0.00	0.00	19.01	7.03
615.	0.00	0.00	40.14	1593.71	0.50	0.42	1.11	0.28	0.00	0.00	0.00	0.00	18.97	6.39
620.	0.00	0.00	50.38	1568.05	0.49	0.40	1.01	-0.78	0.00	0.00	0.00	0.00	19.09	6.12
625.	0.00	0.00	59.67	1502.48	0.48	0.40	1.09	-0.70	0.00	0.00	0.00	0.00	19.10	5.41
630.	0.00	0.00	69.91	1522.43	0.47	0.39	1.02	-0.68	0.00	0.00	0.00	0.00	19.16	5.88
635.	0.00	0.00	10.22	1488.22	0.48	0.38	0.99	2.58	0.00	0.00	0.00	0.00	19.14	6.57
640.	0.00	0.00	19.48	1468.27	0.46	0.37	0.98	2.03	0.00	0.00	0.00	0.00	19.17	6.24
645.	0.00	0.00	29.72	1442.61	0.46	0.37	0.99	-0.65	0.00	0.00	0.00	0.00	19.17	5.56
650.	0.00	0.00	40.13	1328.57	0.40	0,36	0.90	0.12	0.00	0.00	0.00	0.00	19.21	5.76
655.	0.00	0.00	50.39	1320.01	0.39	0.35	0.87	-0.64	0.00	0.00	0.00	0.00	19.27	5.32
660.	0.00	0.00	59.66	1294.35	0.39	0.33	0.88	-0.80	0.00	0.00	0.00	0.00	19.31	5.88
665.	0.00	0.00	69.91	1282.95	0.39	0.32	0.85	-0.81	0.00	0.00	0.00	0.00	19.29	5.62
670.	0.00	0.00	10.22	1268.70	0.38	0.33	0.83	2.53	0.00	0.00	0.00	0.00	19.43	5.86
675.	0.00	0.00	19.48	1234.48	0.39	0.33	0.86	1.81	0.00	0.00	0.00	0.00	19.50	6.01
680.	0.00	0.00	29.71	1225.93	0.37	0.33	0.74	-0.52	0.00	0.00	0.00	0.00	19.51	4.81
685.	0.00	0.00	40.15	1200.27	0.37	0.33	0.72	0.46	0.00	0.00	0.00	0.00	19.54	5.69
690.	0.00	0.00	50.39	1183.16	0.36	0.33	0.64	-0.60	0.00	0.00	0.00	0.00	19.56	5.34
695.	0.00	0.00	59.67	1160.36	0.35	0.32	0.78	-0.70	0.00	0.00	0.00	0.00	19.50	4.80
700.	0.00	0.00	69.91	1157.51	0.34	0.30	0.78	-0.75	0.00	0.00	0.00	0.00	19.61	4.97
705.	0.00	0.00	10.22	1134.70	0.34	0.29	0.74	2.22	0.00	0.00	0.00	0.00	19.62	5.00
710.	0.00	0.00	19.48	1114.74	0.34	0.30	0.74	1.85	0.00	0.00	0.00	0.00	19.63	5.16
715.	0.00	0.00	29.73	1094.78	0.33	0.30	0.68	-0.18	0.00	0.00	0.00	0.00	19.66	5.12
720.	0.00	0.00	40.14	1074.83	0.32	0.29	0.77	-0.49	0.00	0.00	0.00	0.00	19.61	5.55

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	0.00	0.00	50.38	1054.87	0.32	0.29	0.75	-0.53	0.00	0.00	0.00	0.00	19.70	4.33
730.	0.00	0.00	59.66	1054.87	0.32	0.30	0.56	-0.67	0.00	0.00	0.00	0.00	19.62	4.74
735.	0.00	0.00	69.91	906.62	0.31	0.30	0.61	-0.73	0.00	0.00	0.00	0.00	19.68	4.38
740.	0.00	0.00	10.22	906.62	0.31	0.31	0.74	2.20	0.00	0.00	0.00	0.00	19.68	4.58
745.	0.00	0.00	19.47	892.36	0.30	0.31	0.75	-0.52	0.00	0.00	0.00	0.00	19.72	4.82
750.	0.00	0.00	29.72	889.51	0.31	0.30	0.68	0.33	0.00	0.00	0.00	0.00	19.79	4.25
755.	0.00	0.00	40.13	886.66	0.29	0.30	0.71	-0.52	0.00	0.00	0.00	0.00	19.85	4.15
760.	0.00	0.00	50.39	866.70	0.30	0.29	0.69	-0.64	0.00	0.00	0.00	0.00	19.88	3.71
765.	0.00	0.00	59.67	841.04	0.28	0.30	0.69	-0.60	0.00	0.00	0.00	0.00	19.91	4.32
770.	0.00	0.00	69.91	846.75	0.28	0.30	0.72	-0.68	0.00	0.00	0.00	0.00	19.91	4.26
775.	0.00	0.00	10.22	821.09	0.28	0.29	0.65	2.23	0.00	0.00	0.00	0.00	19.95	4.91
780.	0.00	0.00	19.47	812.53	0.28	0.29	0.71	1.43	0.00	0.00	0.00	0.00	19.95	4.71
785.	0.00	0.00	29.72	815.39	0.28	0.29	0.68	0.40	0.00	0.00	0.00	0.00	19.89	4.90
790.	0.00	0.00	40.14	786.88	0.27	0.29	0.68	0.11	0.00	0.00	0.00	0.00	19.98	3.88
795.	0.00	0.00	50.38	769.77	0.26	0.29	0.69	-0.58	0.00	0.00	0.00	0.00	19.95	4.10
800.	0.00	0.00	59.66	752.66	0.26	0.29	0.66	0.10	0.00	0.00	0.00	0.00	19.87	4.07
805.	0.00	0.00	69.91	746.96	0.25	0.28	0.65	-0.72	0.00	0.00	0.00	0.00	19.96	3.56
810.	0.00	0.00	10.22	735.56	0.24	0.27	0.64	1.95	0.00	0.00	0.00	0.00	19.98	4.13
815.	0.00	0.00	19.47	715.60	0.24	0.28	0.63	1.40	0.00	0.00	0.00	0.00	19.99	4.07
820.	0.00	0.00	29.73	718.45	0.24	0.26	0.62	0.08	0.00	0.00	0.00	0.00	20.01	4.07
825.	0.00	0.00	40.14	712.75	0.24	0.27	0.62	0.06	0.00	0.00	0.00	0.00	20.00	3.53
830.	0.00	0.00	50.38	707.05	0.23	0.26	0.62	-0.44	0.00	0.00	0.00	0.00	20.03	3.31
835.	0.00	0.00	59.66	687.09	0.23	0.27	0.64	-0.65	0.00	0.00	0.00	0.00	20.03	3.74
840.	0.00	0.00	69.91	684.24	0.23	0.27	0.62	-0.73	0.00	0.00	0.00	0.00	20.05	3.85

TIME	42	43	44	45	46	47	48
0.	-0.21	0.57	-1.15	-1.19	0.04	0.00	0.00
0.	0.10	-0.39	0.84	0.15	-0.39	0.00	0.00
0.	0.21	-0.06	-0.02	0.43	0.30	0.00	0.00
0.	0.09	0.00	0.12	0.25	0.21	0.00	0.00
0.	0.13	-0.15	0.11	0.19	0.21	0.00	0.00
0.	-0.34	0.03	0.10	0.17	-0.38	0.09	0.00
5.	1.33	0.22	0.07	0.23	-0.92	0.00	5.00
10.	0.40	1.15	-0.39	0.33	0.77	0.00	10.00
15.	1.57	0.83	-0.18	1.37	-1.22	0.16	15.00
20.	1.67	1.04	-0.58	-1.53	-0.41	0.37	20.00
25.	2.49	1.71	-0.04	0.38	-0.36	0.52	25.00
30.	2.91	1.07	0.32	-0.37	0.01	0.70	30.00
35.	2.68	1.51	0.17	-0.06	-0.96	0.81	35.00
40.	2.03	2.66	-0.91	0.26	0.20	1.07	40.00
45.	2.45	2.00	0.33	-0.22	0.52	1.31	45.00
50.	2.95	1.75	1.45	-0.98	-0.67	1.71	50.00
55.	4.31	2.68	0.49	0.10	-0.73	2.22	55.00
60.	8.12	1.06	0.43	-0.22	-1.45	2.77	60.00
65.	6.12	2.50	-0.41	0.47	-0.89	3.44	65.00
70.	4.45	3.76	0.93	-1.53	0.55	4.01	70.00
75.	8.43	1.03	0.50	0.84	-1.52	4.41	75.00
80.	5.44	4.34	1.44	-0.34	-1.81	4.99	80.00
85.	8.13	6.13	-2.09	0.44	1.08	5.41	85.00
90.	5.90	3.18	-0.34	1.57	0.58	5.68	90.00
95.	6.63	4.38	1.53	-0.48	-1.97	6.54	95.00
100.	7.57	5.48	-0.38	-0.63	0.55	6.44	100.00
105.	4.34	7.96	-0.33	-0.89	2.26	7.21	105.00
110.	9.89	2.43	-1.07	1.70	-2.58	7.66	110.00
115.	5.51	5.32	1.06	-3.58	-0.26	7.86	115.00
120.	8.00	4.57	-1.56	0.42	-0.65	7.79	120.00
125.	8.28	6.56	-2.39	1.17	-1.42	7.69	125.00
130.	10.17	5.54	-1.36	0.45	-0.65	7.41	130.00
135.	9.31	3.79	-1.92	1.91	-0.45	7.79	135.00
140.	8.20	4.49	-1.12	-0.82	0.29	7.45	140.00
145.	10.32	6.13	-2.71	1.06	-2.18	7.82	145.00
150.	8.85	3.45	0.85	-0.62	-2.35	7.78	150.00
155.	8.64	4.92	-2.09	-1.12	1.72	7.48	155.00
160.	8.16	3.54	0.34	-0.99	-0.63	7.78	160.00
165.	9.22	4.70	-2.98	-0.71	-1.03	7.53	165.00
170.	8.27	5.14	-2.62	-0.51	1.01	7.29	170.00
175.	8.24	4.31	1.05	-0.06	-2.66	7.35	175.00
180.	7.77	7.05	-0.38	-0.85	0.90	7.44	180.00
185.	8.57	3.21	-0.72	0.89	-1.34	7.33	185.00
190.	7.55	4.26	0.52	-0.32	-1.07	7.00	190.00
195.	6.85	4.07	-0.20	-0.16	1.20	7.18	195.00
200.	7.26	6.41	-0.84	0.66	0.87	6.98	200.00
205.	6.53	6.84	-0.02	-0.86	1.06	7.04	205.00
210.	9.66	5.65	0.63	-0.99	0.78	7.14	210.00
215.	10.29	5.77	-1.97	0.12	-0.39	6.84	215.00
220.	6.43	8.58	-3.08	-0.58	1.23	6.95	220.00

TIME	42	43	44	45	46	47	48
225.	7.15	5.65	0.08	0.34	1.08	6.83	225.00
230.	7.96	5.48	-1.34	-0.41	0.30	7.02	230.00
235.	8.29	5.08	-0.53	1.53	-0.96	6.95	235.00
240.	10.35	3.46	-0.03	-0.36	-1.38	6.80	240.00
245.	6.61	7.26	-2.46	-1.60	0.97	6.72	245.00
250.	9.20	1.19	1.29	0.66	-2.73	6.68	250.00
255.	7.05	6.42	-0.34	-1.09	0.72	6.64	255.00
260.	8.41	3.28	0.65	-1.01	1.58	6.58	260.00
265.	7.86	6.21	-0.49	0.59	-1.34	6.68	265.00
270.	5.73	5.91	-0.96	-0.01	1.80	6.53	270.00
275.	7.82	3.46	1.64	-0.81	-0.35	6.64	275.00
280.	7.24	5.16	-0.14	-1.42	3.01	6.55	280.00
285.	6.77	4.54	-0.23	-0.26	1.40	6.50	285.00
290.	4.72	7.75	-1.41	-0.76	1.32	6.40	290.00
295.	8.38	5.88	-1.61	-1.27	1.29	6.22	295.00
300.	9.54	3.25	-1.51	0.18	-0.64	6.33	300.00
305.	8.41	3.67	0.17	0.55	-1.29	6.20	305.00
310.	8.17	4.50	-1.05	1.46	-1.15	6.38	310.00
315.	8.13	4.48	-0.28	-0.86	-0.26	6.39	315.00
320.	10.14	4.51	-0.83	-0.88	-0.25	6.16	320.00
325.	6.20	5.68	-0.54	-0.04	0.24	6.20	325.00
330.	7.22	2.78	0.77	-1.11	-1.00	6.19	330.00
335.	6.62	6.94	-0.77	-0.63	-0.00	6.07	335.00
340.	8.98	3.90	-0.78	-0.44	-2.38	6.15	340.00
345.	6.48	4.20	0.72	-0.12	0.39	6.01	345.00
350.	7.02	4.20	-0.66	-0.10	0.07	6.04	350.00
355.	6.79	5.58	0.71	-0.86	0.32	5.89	355.00
360.	8.32	4.52	-1.05	1.22	0.50	5.87	360.00
365.	7.04	5.94	0.54	-0.79	-1.63	5.97	365.00
370.	8.06	6.03	-1.80	-0.73	0.48	6.01	370.00
375.	6.64	4.24	-1.15	0.18	-0.05	5.91	375.00
380.	7.74	5.15	-1.52	-0.23	-1.12	5.77	380.00
385.	7.33	4.84	0.17	-0.41	0.11	5.55	385.00
390.	8.45	5.69	-0.10	-0.85	-0.13	5.83	390.00
395.	6.44	4.50	1.66	-0.50	-1.83	5.53	395.00
400.	7.28	4.55	-1.37	0.16	-0.39	5.58	400.00
405.	8.27	5.15	-1.28	-0.26	-2.70	5.30	405.00
410.	6.67	5.20	-0.73	0.98	-0.71	5.62	410.00
415.	7.13	5.27	-0.79	0.18	-0.47	5.42	415.00
420.	7.66	4.45	-0.03	-0.34	-1.68	5.42	420.00
425.	7.60	4.58	-1.02	0.38	-0.47	5.27	425.00
430.	7.32	4.67	-0.89	-0.31	-0.00	5.19	430.00
435.	8.11	4.21	0.26	-0.23	-0.71	5.12	435.00
440.	8.31	4.28	-0.81	1.30	-2.22	5.30	440.00
445.	6.60	4.34	-0.28	-0.83	-1.39	5.11	445.00
450.	6.78	3.98	-0.30	-0.23	-0.67	5.16	450.00
455.	7.03	4.20	-0.08	-0.66	-0.89	4.80	455.00
460.	7.01	5.41	-1.10	-1.43	0.21	4.59	460.00
465.	7.53	5.00	-0.96	-0.74	0.04	4.81	465.00
470.	7.67	5.29	-0.79	0.47	-0.19	4.72	470.00

TIME	42	43	44	45	46	47	48
475.	6.59	4.64	-0.06	-0.67	-0.70	4.47	475.00
480.	6.30	5.64	0.04	-0.75	0.14	4.63	480.00
485.	6.67	3.99	0.36	0.03	-0.41	4.41	485.00
490.	6.80	3.26	-0.68	-0.27	0.48	4.26	490.00
495.	6.73	4.40	-0.64	-0.95	-0.55	4.22	495.00
500.	6.69	4.66	-0.06	-1.27	-0.13	4.22	500.00
505.	6.58	4.05	-0.41	0.21	-1.16	4.11	505.00
510.	6.30	4.00	-0.71	-0.15	-0.67	4.06	510.00
515.	6.57	4.51	-0.80	0.08	-1.00	3.81	515.00
520.	6.49	4.07	-0.29	-0.11	0.11	3.90	520.00
525.	6.18	4.50	-1.34	-0.63	1.03	3.80	525.00
530.	6.46	4.14	-0.68	0.24	-1.15	3.43	530.00
535.	6.24	3.98	-0.63	0.22	-0.28	3.20	535.00
540.	6.71	3.95	0.25	0.01	-0.45	3.54	540.00
545.	6.29	3.55	-0.12	-0.70	-0.83	3.33	545.00
550.	6.24	3.05	-0.03	0.08	-0.15	3.30	550.00
555.	5.27	4.25	-0.49	-0.53	-0.13	3.06	555.00
560.	6.15	2.68	0.46	-0.27	-0.49	3.13	560.00
565.	5.64	4.74	-1.10	0.35	-0.03	3.13	565.00
570.	6.33	2.27	-0.14	-0.36	-1.51	3.04	570.00
575.	6.15	3.46	-0.51	-0.60	-0.52	2.92	575.00
580.	5.12	4.17	-0.65	-0.25	-0.52	2.90	580.00
585.	5.47	3.21	0.46	-0.35	-0.55	2.93	585.00
590.	5.90	3.79	-0.99	-0.16	-0.68	2.79	590.00
595.	6.33	3.12	0.02	-0.31	-0.96	2.77	595.00
600.	5.36	3.46	-0.32	0.38	-1.31	2.72	600.00
605.	6.12	2.75	-0.47	0.31	-1.25	2.73	605.00
610.	4.67	3.72	-0.20	-0.42	-0.23	2.56	610.00
615.	5.31	3.16	-0.45	-0.49	-0.45	2.55	615.00
620.	5.20	2.68	-0.13	-0.07	-1.09	2.55	620.00
625.	5.10	3.77	-0.37	-0.58	-0.41	2.54	625.00
630.	5.11	2.88	-0.40	-0.31	-0.78	2.44	630.00
635.	4.97	3.08	-0.00	-0.06	-0.16	2.46	635.00
640.	5.16	3.11	-0.06	-0.82	0.27	2.45	640.00
645.	4.92	2.77	-0.25	-0.04	-0.39	2.44	645.00
650.	5.32	3.26	-0.95	0.14	-0.42	2.32	650.00
655.	4.64	3.08	-0.76	-0.59	-0.03	2.25	655.00
660.	4.40	2.98	-0.36	-0.12	-0.80	2.22	660.00
665.	4.08	2.60	-0.52	-0.13	-1.36	2.06	665.00
670.	4.22	2.41	-0.01	-0.07	-1.09	2.00	670.00
675.	4.06	3.06	-0.16	-0.27	-0.45	1.90	675.00
680.	4.20	2.98	-0.61	0.16	-1.07	1.93	680.00
685.	3.62	2.91	-0.39	0.12	-0.38	1.93	685.00
690.	3.96	2.67	-0.16	-0.48	-0.63	1.85	690.00
695.	4.69	2.60	-0.39	0.05	-0.41	1.81	695.00
700.	3.40	2.75	-0.13	-0.13	-0.45	1.79	700.00
705.	4.11	2.55	-0.48	0.06	-0.42	1.80	705.00
710.	3.95	3.05	-0.63	-0.15	-0.96	1.75	710.00
715.	3.42	2.80	-0.47	0.11	-0.89	1.71	715.00
720.	3.93	2.41	-0.22	0.50	-0.93	1.64	720.00

TIME	42	43	44	45	46	47	48
725.	3.94	2.28	-0.13	-0.42	-0.57	1.66	725.00
730.	3.94	2.08	-0.29	-0.35	-0.61	1.69	730.00
735.	3.98	2.02	-0.13	0.07	-1.16	1.73	735.00
740.	3.78	2.37	-0.18	0.19	-0.63	1.66	740.00
745.	3.63	1.83	0.10	-0.50	-0.68	1.58	745.00
750.	3.93	1.72	-0.05	-0.42	-0.67	1.49	750.00
755.	3.33	1.84	0.16	-0.36	-0.13	1.39	755.00
760.	3.26	2.58	-1.19	0.04	-0.68	1.38	760.00
765.	3.51	1.99	0.07	-0.10	-0.35	1.31	765.00
770.	3.90	2.05	-0.39	-0.49	-0.22	1.31	770.00
775.	3.11	2.63	-0.32	-0.02	-0.74	1.25	775.00
780.	2.89	2.33	-0.16	-0.01	-0.68	1.27	780.00
785.	3.58	1.92	-0.40	-0.08	-0.83	1.23	785.00
790.	2.98	2.28	-0.50	-0.40	0.14	1.27	790.00
795.	3.18	2.21	-0.14	-0.21	0.17	1.30	795.00
800.	2.96	2.29	-0.33	-0.18	-0.73	1.27	800.00
805.	3.23	2.41	-0.76	-0.07	-0.31	1.24	805.00
810.	3.22	2.20	-0.53	0.01	-0.16	1.18	810.00
815.	2.70	1.54	-0.23	0.20	-0.73	1.23	815.00
820.	2.92	1.56	0.16	-0.18	-0.60	1.19	820.00
825.	3.56	1.52	-0.18	0.03	-0.47	1.21	825.00
830.	3.06	1.57	-0.15	0.09	-0.93	1.12	830.00
835.	2.68	2.10	-0.42	-0.12	-0.41	1.12	835.00
840.	3.06	2.07	-0.36	-0.10	-0.68	1.12	840.00

PRC1-P-1-1 PAGE 1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	23.07	21.95	21.97	22.05	21.47	21.15	21.32	23.45	23.37	23.25	23.25	23.02	22.60	22.40
0.	22.97	21.90	21.75	22.02	21.55	21.17	21.20	23.52	23.35	23.35	23.22	23.05	22.60	22.35
0.	22.97	21.80	21.82	21.95	21.60	21.22	21.13	23.60	23.37	23.32	23.27	23.05	22.65	22.40
0.	22.97	21.85	21.77	21.92	21.82	21.22	21.13	23.47	23.40	23.37	23.25	23.02	22.63	22.38
0.	22.88	21.92	21.85	22.07	21.90	21.22	21.22	23.50	23.35	23.30	23.22	23.00	22.67	22.40
0.	22.85	21.90	21.85	22.02	21.45	21.15	21.30	23.52	23.40	23.32	23.22	23.05	22.65	22.40
5.	22.63	22.80	21.88	22.00	21.30	21.32	21.52	23.63	24.90	24.65	25.95	24.82	23.00	22.88
10.	23.17	22.63	22.45	22.27	21.82	21.57	21.42	24.20	25.60	24.67	25.02	25.07	24.32	24.30
15.	28.37	27.25	22.45	22.45	22.05	21.42	21.02	24.08	30.02	27.15	26.32	26.00	26.13	26.20
20.	32.05	23.07	22.45	22.55	22.10	21.92	21.25	26.30	39.76	30.78	29.39	29.49	30.08	28.92
25.	43.02	23.37	22.50	22.67	22.15	21.85	21.22	28.65	50.98	39.51	39.80	37.46	38.17	33.24
30.	53.17	27.15	22.63	22.82	22.05	21.85	21.50	30.51	60.14	50.34	51.78	49.05	46.76	41.39
35.	66.59	29.82	22.82	22.82	22.00	21.65	21.38	33.78	72.24	57.51	58.80	57.61	57.17	49.83
40.	70.56	33.56	23.00	22.82	22.00	22.05	21.47	36.68	78.17	71.34	67.57	66.76	66.40	59.81
45.	86.24	32.22	23.22	22.97	21.97	21.97	21.35	40.34	91.59	80.57	79.07	78.63	79.29	78.54
50.	107.41	32.51	23.47	23.20	22.12	21.77	21.30	45.05	108.76	95.40	93.29	92.43	91.40	88.50
55.	124.61	54.22	24.05	23.80	22.25	22.05	21.47	49.71	124.85	115.17	111.80	107.54	106.61	107.15
60.	143.45	85.05	24.27	24.15	22.22	22.12	21.85	56.10	143.50	138.20	136.00	128.32	124.44	121.37
65.	150.57	95.38	23.50	24.25	22.17	22.38	22.20	62.24	175.27	169.75	165.52	146.90	143.88	143.47
70.	180.75	104.41	23.10	24.63	22.63	22.17	21.90	71.02	201.39	193.70	183.65	165.42	163.00	153.67
75.	195.10	75.44	30.56	24.85	22.77	22.52	22.42	79.34	220.77	201.22	198.32	188.17	181.22	180.62
80.	199.62	97.07	23.92	25.07	22.72	22.35	21.95	86.29	224.47	203.76	200.17	199.40	200.32	200.68
85.	213.95	152.32	25.90	25.27	22.88	22.22	21.80	90.36	225.85	218.22	217.20	216.30	214.00	201.58
90.	215.60	141.10	25.17	25.22	22.47	22.22	22.25	97.36	233.30	225.17	223.57	221.35	215.47	199.15
95.	203.78	141.35	28.92	25.22	22.07	22.17	22.05	107.88	246.83	242.63	237.58	228.49	220.05	207.29
100.	221.52	109.58	32.49	24.92	22.52	22.12	22.05	114.05	251.24	236.95	236.32	230.19	227.30	223.82
105.	198.95	113.73	40.34	24.75	22.27	22.30	22.00	116.34	241.98	230.37	230.90	226.25	223.40	221.57
110.	205.68	157.02	41.60	24.82	22.30	22.32	22.10	118.24	240.80	231.49	229.38	228.07	227.55	219.27
115.	200.61	162.32	47.29	24.88	22.55	22.32	22.05	122.37	246.10	231.83	232.65	231.13	225.57	217.07
120.	207.39	165.17	44.56	25.25	22.57	22.50	22.02	126.07	254.90	236.68	230.07	230.60	228.60	226.95
125.	204.58	166.32	47.22	26.05	22.60	22.22	21.90	127.58	242.02	233.25	229.45	230.50	230.57	226.80
130.	200.80	146.60	44.71	27.12	22.45	22.45	22.05	125.80	235.00	226.35	222.47	221.42	207.10	203.46
135.	202.22	148.05	60.05	25.30	22.60	22.52	22.30	125.93	227.90	226.55	224.88	222.57	214.27	202.05
140.	201.46	137.92	58.15	25.20	22.47	22.60	22.02	128.34	236.83	226.97	221.02	220.82	214.47	202.93
145.	205.41	139.47	73.66	25.35	22.45	22.30	21.80	127.12	228.15	220.32	223.37	220.40	205.22	199.12
150.	199.00	95.88	72.95	25.02	22.35	22.32	22.22	127.95	229.97	222.97	222.97	220.27	218.42	206.10
155.	199.10	162.70	77.73	25.27	23.72	22.65	21.92	128.34	230.80	219.88	217.07	214.57	201.34	202.90
160.	202.15	184.55	58.98	27.35	22.20	22.00	22.32	129.37	230.17	227.97	222.12	219.45	205.39	198.56
165.	199.27	129.61	59.05	26.02	22.97	22.63	22.12	134.77	235.19	233.00	226.15	224.52	215.47	206.90
170.	200.98	162.38	61.31	25.63	23.30	22.35	22.45	133.47	227.90	224.42	220.75	216.07	203.34	201.46
175.	200.38	196.72	61.86	25.88	23.15	22.72	22.15	129.58	222.30	218.07	221.00	218.10	216.05	216.20
180.	202.38	187.07	70.90	25.00	23.20	22.85	22.15	133.62	223.90	221.32	221.10	219.47	216.90	218.72
185.	202.77	129.80	76.71	25.80	23.35	23.10	22.17	136.72	224.32	218.97	215.12	207.66	201.73	205.17
190.	189.25	150.52	56.63	26.35	23.72	23.15	22.32	134.02	220.95	207.15	206.63	206.12	202.51	201.35
195.	190.42	160.30	43.69	26.17	23.65	23.07	22.22	138.03	213.97	207.68	206.24	202.54	203.15	202.80
200.	179.82	141.72	46.51	26.17	23.13	22.88	22.30	128.41	202.73	198.98	200.82	198.00	192.00	187.75
205.	182.82	125.44	44.15	25.75	23.00	22.80	22.63	125.54	198.00	196.05	192.95	191.92	188.47	183.77
210.	175.20	143.77	43.12	25.65	23.10	22.70	22.30	126.61	202.25	191.47	192.60	192.22	188.13	187.50
215.	177.15	147.22	48.95	25.45	23.25	22.92	22.02	127.39	199.46	199.07	197.07	195.35	193.12	192.15
220.	182.90	128.19	63.21	25.67	22.63	22.30	22.20	130.10	198.34	198.27	199.60	199.65	195.32	196.60

PRC1-P-1-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	185.05	124.07	54.61	25.07	22.30	22.32	22.52	128.34	203.85	200.72	200.00	198.70	198.63	201.02
230.	184.02	125.46	53.49	24.85	22.22	22.15	22.32	127.12	200.55	194.62	195.40	194.97	193.07	192.10
235.	182.47	142.47	71.44	25.40	22.12	22.22	22.22	127.58	202.62	197.32	199.15	197.62	193.65	188.60
240.	181.52	85.21	59.17	25.42	22.32	22.25	22.20	128.63	198.58	195.67	193.45	193.30	186.85	183.82
245.	180.60	110.27	66.17	25.47	22.55	22.30	22.05	127.98	200.25	194.82	191.35	189.30	184.00	180.65
250.	176.90	108.46	59.26	29.90	22.57	22.27	22.07	126.19	192.90	188.32	187.47	187.32	183.85	181.22
255.	173.35	120.66	66.29	26.63	22.65	22.32	22.17	127.80	200.50	190.32	190.47	189.45	188.22	186.95
260.	179.40	127.44	75.15	25.15	22.92	22.65	22.12	129.76	200.10	193.30	189.20	189.47	185.65	185.52
265.	174.80	151.70	78.93	24.70	22.67	22.30	22.07	128.73	195.80	193.20	194.05	191.27	183.35	184.35
270.	175.80	163.97	76.46	24.40	22.32	22.20	22.00	127.76	193.05	189.47	192.63	190.30	184.40	183.92
275.	178.57	112.88	69.93	24.70	22.38	22.22	22.05	127.80	191.30	190.30	188.80	187.60	183.00	185.25
280.	170.95	110.90	57.71	28.85	22.80	22.38	22.38	126.32	189.40	184.57	185.52	183.77	173.95	177.07
285.	172.22	93.52	71.27	26.25	22.60	22.40	22.20	126.49	189.00	185.20	186.13	184.30	177.05	178.82
290.	173.63	112.90	77.71	27.57	22.77	22.47	22.20	126.66	192.30	188.92	186.40	182.88	179.77	178.92
295.	169.67	141.70	55.58	28.83	22.88	22.05	22.40	125.63	186.63	184.10	181.72	179.90	176.20	176.85
300.	167.20	102.27	55.83	25.75	22.75	22.22	21.92	123.37	182.32	176.22	179.07	177.82	171.92	174.55
305.	164.20	107.80	74.44	24.83	22.07	22.38	22.38	123.32	182.50	176.67	176.55	174.13	168.77	167.95
310.	166.10	114.83	59.40	24.97	22.67	22.07	22.25	124.24	181.60	175.77	175.70	173.22	167.27	165.62
315.	163.13	113.32	67.81	25.72	22.35	22.65	22.30	124.10	180.82	176.17	172.50	170.95	170.32	170.07
320.	159.15	118.24	59.64	26.75	22.47	22.38	23.00	122.51	174.57	173.60	173.05	170.15	167.88	167.45
325.	159.20	135.42	57.32	26.82	22.60	22.17	22.32	120.93	175.57	171.97	173.37	171.20	170.30	170.57
330.	156.15	82.02	51.54	25.07	22.52	22.25	22.05	120.98	175.10	172.05	171.42	168.67	162.30	163.32
335.	155.92	107.24	63.62	30.44	22.67	22.42	22.63	122.12	176.80	175.35	175.50	173.30	168.20	163.97
340.	156.60	115.95	50.24	29.25	22.57	22.27	22.20	122.61	177.82	173.50	173.00	169.67	168.32	165.45
345.	159.13	122.85	76.98	27.32	22.38	22.40	21.85	121.44	174.22	174.05	171.57	168.15	162.72	159.75
350.	155.20	84.90	74.49	25.52	23.37	22.60	22.20	121.27	173.92	172.50	167.17	163.80	160.12	159.22
355.	148.95	93.33	57.10	26.75	23.00	22.92	22.30	120.41	170.27	168.17	163.75	160.70	158.70	162.07
360.	149.97	96.19	52.71	25.75	22.72	22.27	21.90	119.80	167.55	163.20	161.07	160.17	158.57	160.10
365.	149.52	104.22	57.29	25.50	22.42	22.25	22.10	119.19	168.35	164.95	164.22	158.82	155.77	158.00
370.	151.07	117.05	48.63	25.02	22.45	22.22	22.22	117.80	164.27	159.55	161.63	159.22	157.30	160.20
375.	150.37	105.95	52.05	25.32	22.52	22.47	22.05	117.66	161.75	160.65	160.25	158.20	155.82	153.90
380.	147.57	91.48	53.93	25.90	22.88	22.38	22.00	117.61	165.27	160.20	159.95	159.27	156.00	152.05
385.	150.57	104.85	69.56	25.20	22.52	22.52	22.10	117.88	162.60	159.52	157.55	158.10	157.85	157.25
390.	145.67	85.79	58.58	25.52	22.32	22.32	22.20	117.49	159.07	156.22	154.90	155.25	154.50	153.20
395.	138.75	95.17	55.61	24.88	23.02	22.72	22.40	116.68	158.70	154.45	155.30	155.90	155.05	154.22
400.	140.77	117.93	53.85	25.35	23.57	22.38	22.32	115.85	157.10	155.22	151.50	151.85	149.97	151.72
405.	137.22	101.10	61.17	25.38	23.27	22.70	21.77	114.12	151.15	148.60	146.95	147.08	146.15	143.90
410.	128.90	78.38	53.49	25.67	23.32	22.72	22.22	113.66	149.92	146.92	146.02	146.97	145.10	143.55
415.	125.63	93.21	49.17	25.67	23.15	22.00	22.47	112.83	147.02	144.45	142.95	142.85	139.92	139.95
420.	126.24	77.76	48.76	25.57	22.67	22.35	22.35	111.63	141.85	141.05	140.85	140.85	137.15	134.82
425.	124.85	95.76	34.71	24.88	23.00	22.42	22.42	110.05	139.35	137.25	137.35	136.40	129.34	128.05
430.	120.51	84.64	43.63	24.63	23.40	22.65	21.90	108.61	136.30	135.40	135.02	134.37	128.03	126.49
435.	119.56	95.98	38.85	24.38	22.92	22.80	21.95	107.51	134.45	133.37	133.70	129.19	126.44	124.15
440.	118.90	84.24	36.41	24.42	24.15	23.45	21.80	106.39	128.54	128.02	127.39	126.49	124.15	124.73
445.	117.02	73.15	40.73	24.27	23.13	24.15	21.85	105.27	125.34	124.63	124.34	124.39	121.58	122.34
450.	114.63	75.71	33.24	24.13	23.00	22.38	22.38	104.44	124.27	124.32	124.58	122.78	118.78	118.85
455.	114.63	79.50	34.37	24.20	23.45	22.42	21.95	103.61	122.88	122.34	121.56	120.17	117.85	120.37
460.	111.56	73.66	37.76	24.70	23.27	23.15	22.05	102.80	122.54	121.37	121.07	120.54	116.68	115.51
465.	110.73	66.14	42.71	24.63	22.70	22.80	21.92	102.15	122.29	119.66	118.80	117.27	113.12	110.76
470.	108.83	59.24	42.32	24.15	22.47	22.45	22.35	101.27	119.78	118.88	118.02	117.17	114.58	110.45

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	109.44	70.71	32.83	24.67	22.85	22.35	21.80	100.44	117.29	117.39	115.85	113.83	112.24	111.73
480.	105.12	73.12	29.73	24.92	23.50	22.42	21.97	97.09	115.41	114.63	114.41	113.08	111.15	110.12
485.	104.78	58.46	35.00	24.55	23.30	22.45	22.10	96.29	114.63	113.61	113.41	112.22	109.41	107.88
490.	103.61	62.00	37.44	24.50	22.47	22.42	21.92	95.49	112.12	111.41	110.88	109.02	104.80	101.56
495.	102.12	51.51	41.51	24.22	22.40	22.10	22.25	94.50	110.17	109.63	108.19	107.45	102.49	101.49
500.	101.44	62.69	40.19	24.47	22.35	22.22	21.82	93.59	108.41	107.44	106.02	105.93	97.29	95.49
505.	95.07	58.46	35.44	27.88	22.40	22.02	21.97	92.76	106.58	105.56	105.63	105.07	101.95	101.85
510.	94.81	52.78	38.07	27.77	22.50	22.32	21.65	91.98	104.58	103.78	103.39	103.10	100.95	96.31
515.	92.90	58.07	42.34	24.97	22.25	22.15	22.05	91.14	103.49	102.83	102.00	101.22	95.90	95.67
520.	90.52	57.15	37.41	24.63	22.45	22.25	21.55	90.36	102.76	102.22	101.05	100.17	96.07	90.95
525.	90.12	51.22	40.63	24.05	22.63	22.25	21.65	89.81	101.12	100.32	95.71	95.81	92.74	89.24
530.	90.62	48.05	38.98	25.88	22.35	22.22	21.92	89.14	96.79	96.49	94.76	94.21	91.98	88.93
535.	87.62	51.78	36.95	25.22	22.63	21.75	21.47	88.33	95.07	94.74	94.00	92.98	91.17	86.55
540.	86.88	53.56	34.61	25.10	22.80	21.95	22.10	87.55	92.55	92.69	91.95	90.95	87.14	85.50
545.	84.43	49.61	29.65	24.22	22.75	22.05	21.65	86.81	91.26	91.00	90.17	89.69	86.64	83.90
550.	83.57	50.02	30.44	24.35	23.35	21.90	21.57	86.05	89.59	89.45	88.98	88.55	85.17	82.14
555.	83.21	47.80	35.15	24.55	22.85	22.35	21.65	85.36	88.50	87.95	86.79	86.12	80.55	78.60
560.	82.55	44.12	36.44	24.13	22.20	22.00	22.12	84.62	87.17	87.05	86.49	85.83	78.88	76.37
565.	80.48	41.44	36.46	24.25	21.95	21.95	21.85	83.95	85.64	85.88	85.64	84.69	79.19	77.27
570.	78.52	42.17	35.10	24.65	22.25	21.75	21.80	83.21	84.24	83.67	83.33	82.90	79.62	78.02
575.	79.12	46.56	36.73	24.90	22.20	21.95	21.72	82.50	82.76	82.81	81.83	81.29	78.00	70.49
580.	75.88	38.80	34.56	24.13	22.20	21.75	21.92	81.86	81.86	81.93	80.98	79.93	76.34	67.05
585.	74.41	38.07	33.44	24.07	22.45	22.15	22.00	81.14	80.98	81.09	79.12	79.32	73.71	66.93
590.	69.63	41.02	36.63	23.65	21.82	21.85	21.55	80.40	79.26	78.62	77.41	77.17	71.12	62.62
595.	65.90	38.85	33.76	23.30	22.55	21.90	21.90	79.86	78.48	78.24	75.78	74.12	67.76	61.50
600.	63.17	43.71	33.05	24.77	22.45	22.07	21.77	79.19	78.44	76.93	74.10	72.95	65.00	59.93
605.	61.05	39.83	34.34	25.35	22.57	22.07	21.52	78.62	77.56	76.02	72.24	70.63	62.62	59.12
610.	60.24	39.85	32.71	25.35	22.20	21.67	21.67	78.09	76.98	74.98	70.24	66.21	61.48	58.95
615.	59.79	37.41	33.32	24.07	22.12	21.97	21.88	79.41	75.66	72.90	67.02	64.90	60.50	57.63
620.	59.17	38.02	34.39	23.47	22.38	21.95	21.97	78.85	75.71	72.68	66.19	63.79	59.14	56.19
625.	57.22	36.88	32.22	23.70	23.63	22.17	22.05	78.41	75.39	72.22	65.07	62.95	59.43	54.80
630.	55.46	36.80	31.68	24.22	22.85	22.38	21.70	77.95	74.73	71.05	64.57	61.31	57.88	55.02
635.	55.10	38.71	28.63	23.82	23.70	22.47	21.52	77.46	73.90	69.95	63.71	59.86	57.50	54.41
640.	55.22	38.37	28.05	24.27	23.05	23.02	21.32	77.05	73.63	70.00	63.40	59.08	56.34	54.02
645.	55.98	34.29	28.50	23.60	23.10	22.82	21.67	76.58	72.78	66.55	62.21	59.07	55.93	53.69
650.	53.46	42.41	29.17	23.45	22.80	22.80	22.22	76.17	72.32	66.90	61.88	58.12	55.00	52.85
655.	51.39	40.78	30.44	23.63	23.00	22.92	22.40	75.80	71.68	66.62	61.31	58.49	54.80	52.19
660.	53.49	36.93	30.41	24.25	24.30	23.52	22.27	75.39	71.46	66.19	59.80	58.24	55.15	51.71
665.	53.46	37.24	26.80	24.13	24.07	23.50	22.35	75.00	71.22	65.43	59.64	58.29	55.93	51.66
670.	52.02	33.44	27.05	24.13	23.37	22.40	22.15	74.54	70.54	65.17	60.36	58.59	55.85	52.44
675.	52.71	36.17	29.51	24.00	23.10	22.57	21.95	74.19	67.55	63.55	59.26	58.34	55.34	52.00
680.	50.51	34.85	26.00	24.32	23.50	22.22	21.63	73.83	69.63	63.05	58.83	57.63	54.95	51.29
685.	51.63	33.63	28.32	23.60	22.42	22.00	21.60	73.46	69.56	62.93	59.17	57.80	53.80	50.41
690.	49.90	37.56	30.05	23.57	22.95	22.10	21.52	73.12	67.57	62.81	59.17	56.10	52.61	50.73
695.	47.12	37.98	27.05	23.50	23.20	22.67	21.72	72.78	67.24	62.38	58.19	55.32	52.22	49.10
700.	49.58	38.78	30.07	23.47	23.07	22.32	21.67	72.41	67.31	63.12	58.32	54.49	50.98	48.63
705.	49.05	34.85	25.92	23.60	22.55	21.90	21.80	72.05	66.69	62.49	57.95	54.24	50.54	48.51
710.	47.83	37.34	29.83	23.87	22.85	22.32	21.77	71.80	66.55	62.48	57.66	53.50	49.71	48.19
715.	47.46	38.19	30.98	23.80	23.20	22.09	21.63	71.49	66.19	62.83	57.10	52.93	49.61	48.07
720.	46.66	33.51	28.50	24.27	23.25	22.55	21.80	71.12	66.05	62.38	57.39	53.37	50.05	48.39

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	47.51	31.83	29.52	23.85	23.57	23.02	21.70	70.83	65.67	61.55	56.37	52.78	49.32	48.73

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	22.10	22.07	21.97	21.90	21.77	21.72	21.55	21.50	21.07	22.07	23.40	0.00	0.00	0.00
0.	22.12	22.00	21.97	21.88	21.77	21.77	21.55	21.50	21.13	22.02	23.35	0.00	0.00	0.00
0.	22.07	22.05	22.00	21.85	21.77	21.77	21.55	21.50	21.10	22.05	23.37	0.00	0.00	0.00
0.	22.10	22.05	21.97	21.90	21.75	21.75	21.57	21.50	21.17	22.05	23.35	0.00	0.00	0.00
0.	22.07	22.02	22.00	21.85	21.70	21.80	21.57	21.60	21.15	22.05	23.32	0.00	0.00	0.00
0.	22.10	22.05	21.95	21.85	21.72	21.83	21.63	21.60	21.25	22.00	23.37	0.00	0.00	0.00
5.	22.65	22.57	22.45	22.25	22.17	21.97	21.82	21.88	21.38	22.05	23.50	0.00	0.00	0.00
10.	23.75	23.02	22.85	22.55	22.32	22.22	22.02	22.05	21.50	22.17	23.95	0.00	0.00	0.00
15.	25.42	26.00	24.00	22.95	22.77	22.63	22.27	22.38	21.70	22.82	24.57	0.00	0.00	0.00
20.	26.65	24.70	23.92	23.37	23.13	23.22	22.70	22.82	21.97	24.35	25.72	0.00	0.00	0.00
25.	27.32	25.10	24.82	23.97	23.72	24.13	23.07	23.40	22.12	26.47	27.42	0.00	0.00	0.00
30.	32.66	27.50	25.57	24.65	24.45	24.05	23.60	24.13	22.45	28.63	29.22	0.00	0.00	0.00
35.	39.10	29.27	27.35	25.42	25.52	26.17	24.27	24.92	22.97	30.63	31.24	0.00	0.00	0.00
40.	44.12	31.80	28.45	26.57	26.27	27.52	25.15	26.00	23.63	33.56	34.44	0.00	0.00	0.00
45.	52.17	34.93	29.63	28.30	27.77	29.13	26.27	26.72	24.30	37.44	37.54	0.00	0.00	0.00
50.	76.90	37.71	30.44	29.67	29.07	29.95	27.07	28.02	25.02	39.00	42.15	0.00	0.00	0.00
55.	95.45	43.46	33.10	30.80	29.83	32.12	28.47	29.15	25.57	44.41	47.71	0.00	0.00	0.00
60.	115.22	64.19	36.19	33.12	30.61	36.27	29.88	30.56	26.32	49.98	52.68	0.00	0.00	0.00
65.	122.39	61.14	40.10	34.76	32.24	37.05	31.05	32.27	26.92	53.54	60.43	0.00	0.00	0.00
70.	138.25	61.48	44.02	37.44	35.54	40.03	32.93	34.05	28.05	59.55	67.36	0.00	0.00	0.00
75.	169.15	85.24	46.90	40.93	39.98	44.69	34.34	36.46	29.47	64.57	77.73	0.00	0.00	0.00
80.	185.65	93.48	52.29	43.24	40.24	40.22	37.29	38.54	30.17	75.24	83.40	0.00	0.00	0.00
85.	195.32	128.90	57.00	49.29	44.34	48.69	36.51	36.56	30.76	78.02	88.33	0.00	0.00	0.00
90.	201.02	145.25	59.93	52.00	47.15	50.80	37.49	40.95	30.41	84.90	94.86	0.00	0.00	0.00
95.	200.55	137.10	60.12	51.10	45.95	54.17	39.78	41.83	30.22	87.00	105.22	0.00	0.00	0.00
100.	204.83	128.41	67.76	56.12	46.07	54.69	43.66	45.22	30.98	91.57	109.17	0.00	0.00	0.00
105.	200.00	143.10	64.02	57.12	49.45	52.15	43.24	44.05	31.90	101.68	112.95	0.00	0.00	0.00
110.	207.63	155.38	66.38	59.17	54.34	52.12	40.93	43.61	35.12	111.22	116.17	0.00	0.00	0.00
115.	200.24	156.50	74.85	62.59	51.78	59.29	43.61	46.05	35.02	115.05	120.95	0.00	0.00	0.00
120.	202.29	170.25	73.24	62.00	50.98	57.08	44.17	44.24	34.10	115.27	124.12	0.00	0.00	0.00
125.	202.80	140.55	73.34	62.31	52.68	55.24	44.93	46.22	34.56	112.49	123.58	0.00	0.00	0.00
130.	193.57	148.90	70.63	63.26	52.30	55.73	47.22	47.44	34.32	107.15	121.17	0.00	0.00	0.00
135.	198.85	167.65	81.95	64.79	54.27	58.12	45.45	47.05	34.12	105.71	122.34	0.00	0.00	0.00
140.	195.92	169.95	88.29	64.09	59.05	61.55	49.41	44.73	35.24	106.85	125.19	0.00	0.00	0.00
145.	192.22	171.92	101.54	69.73	57.83	60.21	48.05	45.51	36.85	109.76	122.41	0.00	0.00	0.00
150.	199.58	182.75	124.90	83.50	59.49	58.31	43.56	46.41	36.29	110.61	125.10	0.00	0.00	0.00
155.	202.07	175.25	124.76	83.69	62.25	58.29	46.68	46.29	37.46	113.29	125.34	0.00	0.00	0.00
160.	201.07	181.27	144.63	90.83	56.73	57.37	43.51	45.07	37.00	114.05	125.02	0.00	0.00	0.00
165.	198.46	170.82	122.90	79.95	53.76	58.97	45.29	46.34	38.56	113.12	129.24	0.00	0.00	0.00
170.	197.25	181.45	140.38	85.19	64.21	56.15	45.90	46.78	39.24	112.89	125.90	0.00	0.00	0.00
175.	199.73	178.55	136.02	81.71	64.36	59.17	45.76	49.54	40.29	110.44	128.90	0.00	0.00	0.00
180.	203.07	182.05	138.30	84.98	59.26	60.24	44.95	45.56	38.24	106.51	127.46	0.00	0.00	0.00
185.	198.32	176.65	128.83	86.83	62.19	61.17	45.88	44.88	37.27	106.15	127.39	0.00	0.00	0.00
190.	192.67	173.15	121.15	82.74	65.14	61.43	44.51	43.22	37.93	110.68	125.24	0.00	0.00	0.00
195.	197.42	174.42	118.24	82.88	62.33	62.71	45.32	43.80	37.45	103.88	123.90	0.00	0.00	0.00
200.	182.90	144.12	109.19	79.45	58.45	57.65	42.80	41.63	36.95	94.45	125.05	0.00	0.00	0.00
205.	172.77	154.85	127.34	78.32	55.80	56.00	40.73	42.88	35.61	100.07	121.12	0.00	0.00	0.00
210.	176.63	157.72	109.73	77.68	59.21	60.81	42.63	44.56	37.51	96.40	124.19	0.00	0.00	0.00
215.	179.62	162.72	117.80	76.73	51.56	57.54	42.95	45.24	38.56	102.66	124.24	0.00	0.00	0.00
220.	188.25	163.17	120.07	79.49	55.41	53.85	45.05	42.17	39.37	106.44	126.49	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	191.45	165.97	115.32	74.93	52.24	54.68	46.69	48.61	36.85	108.00	124.49	0.00	0.00	0.00
230.	185.87	147.55	119.49	79.36	61.50	51.85	41.12	43.29	37.46	103.32	125.05	0.00	0.00	0.00
235.	173.45	145.02	108.19	78.09	62.40	50.30	41.00	43.51	36.76	96.43	126.02	0.00	0.00	0.00
240.	171.32	148.67	108.12	78.49	55.63	57.56	45.93	46.12	37.22	103.12	126.29	0.00	0.00	0.00
245.	174.02	152.80	105.05	76.07	58.26	60.20	47.05	44.56	37.98	102.32	125.51	0.00	0.00	0.00
250.	174.67	152.10	96.21	77.64	55.88	59.45	47.93	45.29	38.51	101.05	122.78	0.00	0.00	0.00
255.	175.77	136.65	102.34	77.83	57.93	61.17	45.07	46.29	39.00	106.56	125.32	0.00	0.00	0.00
260.	183.57	161.50	105.24	76.24	56.61	59.03	49.10	44.83	38.00	113.73	126.58	0.00	0.00	0.00
265.	179.57	165.25	134.32	88.49	74.83	66.93	49.10	45.19	39.22	107.83	125.02	0.00	0.00	0.00
270.	180.65	156.42	123.78	86.74	64.59	62.49	43.83	44.29	38.19	101.63	122.76	0.00	0.00	0.00
275.	180.00	154.38	127.27	82.55	63.05	63.05	45.80	43.49	38.34	101.19	122.59	0.00	0.00	0.00
280.	172.40	153.52	106.78	76.44	55.90	57.49	45.63	45.54	38.12	96.26	121.59	0.00	0.00	0.00
285.	171.88	148.85	111.80	77.49	59.43	61.19	47.00	45.22	38.93	100.27	123.05	0.00	0.00	0.00
290.	173.85	155.82	116.88	76.05	58.49	59.12	48.51	45.39	39.41	104.63	122.19	0.00	0.00	0.00
295.	172.55	155.30	97.07	76.68	63.62	56.27	46.02	43.61	38.24	103.32	120.54	0.00	0.00	0.00
300.	171.32	147.15	112.22	81.52	64.31	60.45	44.80	44.19	36.78	94.59	119.07	0.00	0.00	0.00
305.	167.00	152.27	114.76	82.45	59.05	57.83	43.10	41.80	37.44	92.76	119.71	0.00	0.00	0.00
310.	161.92	145.77	108.27	79.07	56.83	55.66	48.56	46.15	38.05	95.83	119.37	0.00	0.00	0.00
315.	163.30	146.75	110.68	76.83	59.56	57.41	45.17	44.29	38.17	95.93	119.46	0.00	0.00	0.00
320.	166.40	151.32	92.38	71.99	56.73	59.80	42.61	42.15	37.54	94.59	117.90	0.00	0.00	0.00
325.	164.62	137.50	84.59	70.58	60.43	59.06	44.22	43.95	37.58	90.93	115.63	0.00	0.00	0.00
330.	156.02	121.54	85.90	70.24	56.71	62.71	48.41	45.37	36.24	92.38	118.12	0.00	0.00	0.00
335.	155.80	125.93	93.57	74.41	56.15	57.09	49.00	47.71	36.54	96.19	117.73	0.00	0.00	0.00
340.	154.27	120.95	84.19	70.12	55.71	53.34	45.41	47.54	35.71	96.48	118.05	0.00	0.00	0.00
345.	152.57	129.05	89.98	70.85	57.44	53.41	44.22	45.12	37.54	95.76	116.98	0.00	0.00	0.00
350.	154.75	128.41	92.76	71.95	54.98	53.89	47.27	45.00	38.41	94.45	115.15	0.00	0.00	0.00
355.	155.82	124.12	86.79	69.66	56.83	58.93	46.93	47.10	38.61	96.45	115.02	0.00	0.00	0.00
360.	159.77	126.85	90.00	71.07	55.49	61.69	46.10	48.05	38.80	94.74	115.07	0.00	0.00	0.00
365.	153.45	125.51	81.59	64.36	55.00	58.41	45.37	47.61	35.61	90.33	114.17	0.00	0.00	0.00
370.	155.90	123.27	90.79	69.54	52.85	53.34	42.63	42.27	36.10	86.95	112.58	0.00	0.00	0.00
375.	143.02	116.98	87.07	65.26	54.71	55.65	44.32	42.60	36.34	88.50	112.46	0.00	0.00	0.00
380.	145.25	123.54	93.76	71.27	56.73	56.30	41.95	40.49	36.80	91.86	114.02	0.00	0.00	0.00
385.	153.60	121.27	87.69	67.48	58.00	56.17	45.08	44.85	38.90	91.36	112.83	0.00	0.00	0.00
390.	147.85	120.85	83.79	65.88	55.29	56.61	47.15	47.95	39.93	91.21	112.02	0.00	0.00	0.00
395.	147.12	114.05	80.48	67.55	57.63	58.00	45.61	50.07	40.02	94.36	111.88	0.00	0.00	0.00
400.	145.05	110.22	79.49	61.74	49.90	52.53	47.12	47.34	39.51	90.26	110.44	0.00	0.00	0.00
405.	142.07	113.34	78.50	63.26	50.10	53.51	45.05	45.27	37.63	86.95	108.37	0.00	0.00	0.00
410.	134.65	107.17	78.02	61.05	50.71	51.58	42.46	42.61	37.85	84.36	109.54	0.00	0.00	0.00
415.	135.52	101.73	72.07	59.17	51.85	51.05	41.98	43.19	37.49	81.50	107.61	0.00	0.00	0.00
420.	124.76	93.83	72.93	59.38	51.02	52.05	44.80	43.66	36.98	79.34	105.29	0.00	0.00	0.00
425.	122.49	96.59	76.85	61.33	49.51	51.80	41.10	38.90	34.07	77.49	103.93	0.00	0.00	0.00
430.	118.66	93.74	74.12	59.19	49.56	51.73	41.71	39.58	33.10	78.78	102.54	0.00	0.00	0.00
435.	107.02	89.31	70.46	58.22	46.10	49.54	42.00	38.90	33.58	75.44	101.61	0.00	0.00	0.00
440.	112.76	92.31	74.93	58.98	50.12	48.71	38.73	38.39	33.24	73.68	97.55	0.00	0.00	0.00
445.	111.83	89.52	72.61	58.24	45.27	45.90	38.90	37.49	32.85	73.05	97.00	0.00	0.00	0.00
450.	112.63	80.24	64.40	56.78	46.22	41.49	36.66	38.37	33.17	74.46	95.95	0.00	0.00	0.00
455.	108.63	82.90	62.09	56.46	43.73	42.95	37.93	37.29	32.32	73.56	95.00	0.00	0.00	0.00
460.	109.44	84.79	64.31	56.10	40.93	41.95	37.95	37.44	31.49	70.17	93.95	0.00	0.00	0.00
465.	101.51	78.33	60.55	54.49	42.51	43.00	37.76	35.73	31.58	69.83	93.64	0.00	0.00	0.00
470.	100.98	79.83	62.43	56.27	40.10	41.71	35.88	36.85	31.39	69.68	92.67	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	103.32	78.76	59.40	52.44	41.37	42.15	37.37	35.19	31.85	66.71	91.74	0.00	0.00	0.00
480.	91.21	75.93	59.74	54.12	41.58	41.60	35.68	35.58	31.34	66.67	91.05	0.00	0.00	0.00
485.	96.21	77.66	59.40	51.88	41.85	44.75	36.00	36.07	31.32	66.29	90.43	0.00	0.00	0.00
490.	88.21	71.73	58.90	52.76	40.61	40.20	35.90	35.66	30.22	65.71	89.26	0.00	0.00	0.00
495.	94.02	71.73	58.22	51.93	43.37	44.80	37.10	36.00	30.22	65.21	88.48	0.00	0.00	0.00
500.	89.62	71.00	56.58	49.37	39.44	40.37	35.98	35.17	30.22	65.50	87.76	0.00	0.00	0.00
505.	93.00	77.22	55.73	46.46	37.46	38.02	35.34	35.37	30.90	62.93	87.00	0.00	0.00	0.00
510.	82.50	72.17	54.58	48.34	39.71	39.73	35.71	36.71	30.66	62.17	86.31	0.00	0.00	0.00
515.	87.86	70.85	54.76	47.12	37.71	38.07	34.32	35.68	31.32	61.45	85.67	0.00	0.00	0.00
520.	78.45	66.19	52.44	46.85	38.95	39.45	35.68	35.15	31.41	59.12	85.02	0.00	0.00	0.00
525.	81.79	65.09	53.76	48.24	40.00	38.10	33.76	35.54	32.02	59.36	84.64	0.00	0.00	0.00
530.	80.21	66.36	53.10	48.68	40.78	38.60	32.80	34.58	32.95	58.09	84.12	0.00	0.00	0.00
535.	79.17	61.90	51.49	46.39	39.41	37.07	33.88	34.49	31.85	58.64	83.49	0.00	0.00	0.00
540.	78.05	60.38	51.46	46.15	36.93	36.75	32.22	34.41	31.90	58.78	82.57	0.00	0.00	0.00
545.	74.58	62.38	53.56	45.27	37.07	38.12	32.78	33.44	31.02	59.19	81.81	0.00	0.00	0.00
550.	72.58	59.67	50.95	43.80	36.22	38.31	33.66	32.98	30.41	58.51	81.19	0.00	0.00	0.00
555.	69.68	58.19	49.19	43.24	36.10	36.54	33.41	33.93	30.29	57.51	80.57	0.00	0.00	0.00
560.	69.78	58.67	50.29	43.41	35.27	36.90	33.76	33.85	29.49	56.78	79.98	0.00	0.00	0.00
565.	65.07	55.71	46.12	43.12	36.54	35.15	33.32	33.95	30.29	55.29	79.43	0.00	0.00	0.00
570.	65.79	54.83	45.46	42.54	37.44	35.32	32.17	33.51	30.37	54.83	78.71	0.00	0.00	0.00
575.	59.57	52.54	45.29	41.66	36.56	35.75	31.98	33.19	30.93	52.76	78.07	0.00	0.00	0.00
580.	59.93	52.89	45.90	40.63	34.68	35.72	33.39	32.78	29.32	52.95	79.39	0.00	0.00	0.00
585.	59.21	53.00	45.80	40.19	32.37	33.70	31.44	31.90	29.58	50.95	78.78	0.00	0.00	0.00
590.	57.00	50.61	45.27	39.66	33.56	34.51	31.10	30.83	29.63	50.58	78.17	0.00	0.00	0.00
595.	57.83	50.73	44.90	39.29	34.73	34.27	31.12	30.98	29.34	48.66	77.54	0.00	0.00	0.00
600.	56.24	50.54	44.71	39.66	34.39	34.08	30.88	30.66	29.38	48.80	76.98	0.00	0.00	0.00
605.	55.85	48.93	42.32	37.44	31.56	34.15	30.93	30.90	29.30	48.73	76.37	0.00	0.00	0.00
610.	54.34	49.12	41.85	36.95	32.73	34.80	30.93	31.05	29.70	48.07	75.83	0.00	0.00	0.00
615.	53.44	47.66	41.41	37.76	33.10	33.85	31.32	30.45	29.13	48.66	75.32	0.00	0.00	0.00
620.	51.02	46.71	41.24	37.44	34.22	34.45	30.63	30.66	30.17	47.49	74.78	0.00	0.00	0.00
625.	50.66	45.98	40.90	38.02	33.22	33.02	30.44	30.34	29.63	47.22	74.24	0.00	0.00	0.00
630.	50.58	45.32	40.63	37.49	31.44	33.65	30.10	29.66	29.07	47.54	73.73	0.00	0.00	0.00
635.	51.32	47.29	41.00	36.37	31.93	33.85	30.08	30.12	28.67	45.85	73.29	0.00	0.00	0.00
640.	50.24	45.80	41.15	36.39	31.93	33.41	31.10	30.05	28.22	45.85	72.85	0.00	0.00	0.00
645.	49.58	44.78	41.02	36.83	32.19	33.53	30.30	29.68	29.29	45.02	72.39	0.00	0.00	0.00
650.	49.60	44.88	39.68	37.29	33.85	33.63	30.00	29.63	28.88	45.61	71.93	0.00	0.00	0.00
655.	48.12	43.44	40.17	37.02	33.55	33.71	30.58	30.49	28.70	45.44	71.58	0.00	0.00	0.00
660.	47.88	43.90	39.68	36.80	33.19	34.07	30.90	30.22	28.67	45.29	71.29	0.00	0.00	0.00
665.	47.27	42.05	38.85	35.90	32.34	33.19	29.30	29.45	28.63	44.41	70.98	0.00	0.00	0.00
670.	45.10	42.63	38.90	35.80	31.29	33.19	29.66	29.67	28.55	43.29	70.56	0.00	0.00	0.00
675.	45.78	43.24	38.88	35.78	31.83	31.93	29.82	29.29	28.60	43.15	70.22	0.00	0.00	0.00
680.	45.73	42.12	38.05	35.27	31.17	32.40	29.20	29.49	28.17	43.41	69.85	0.00	0.00	0.00
685.	45.39	43.15	38.07	34.95	32.19	32.30	29.85	29.68	28.27	43.02	69.58	0.00	0.00	0.00
690.	45.80	43.17	38.85	35.05	31.54	31.88	29.32	29.50	28.02	42.22	67.52	0.00	0.00	0.00
695.	45.29	42.78	39.12	35.61	30.49	32.10	28.95	29.08	27.88	42.29	67.26	0.00	0.00	0.00
700.	45.90	41.68	38.24	35.12	29.93	31.71	29.32	29.08	27.32	41.90	66.98	0.00	0.00	0.00
705.	45.49	41.61	38.95	35.27	30.85	30.76	29.62	29.60	27.67	41.76	66.74	0.00	0.00	0.00
710.	45.63	41.07	37.88	35.76	31.76	31.50	29.13	29.50	27.88	41.73	66.50	0.00	0.00	0.00
715.	44.61	40.93	37.71	34.93	31.19	32.80	29.17	29.08	28.77	41.44	66.26	0.00	0.00	0.00
720.	44.76	41.39	36.76	33.98	29.98	31.51	28.77	28.55	27.90	41.41	65.95	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	45.78	41.02	37.10	34.63	30.41	31.98	29.82	28.85	27.97	41.58	65.74	0.00	0.00	0.00

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	0.00	0.00	19.94	3145.71	0.01	0.01	0.01	-0.10	0.00	0.00	0.00	0.00	21.00	-2.00
0.	0.00	0.00	30.15	3186.81	0.01	0.01	0.01	0.12	0.00	0.00	0.00	0.00	21.00	0.63
0.	0.00	0.00	40.65	3171.86	0.01	0.01	0.01	-0.45	0.00	0.00	0.00	0.00	21.00	-0.57
0.	0.00	0.00	50.89	3198.02	0.01	0.01	0.01	0.13	0.00	0.00	0.00	0.00	21.00	2.13
0.	0.00	0.00	60.16	3175.60	0.01	0.01	0.01	-0.60	0.00	0.00	0.00	0.00	21.00	0.10
0.	0.00	0.00	70.40	3164.39	0.01	0.01	0.01	-0.19	0.00	0.00	0.00	0.00	21.00	-0.30
5.	0.00	0.00	10.69	3123.29	0.01	0.01	0.03	0.04	0.00	0.00	0.00	0.00	21.01	0.71
10.	0.00	0.00	19.94	3190.54	0.01	0.01	0.04	0.69	0.00	0.00	0.00	0.00	21.00	0.78
15.	0.00	0.00	30.18	3123.29	0.02	0.02	0.05	0.10	0.00	0.00	0.00	0.00	21.00	-1.32
20.	0.00	0.00	40.66	3130.77	0.04	0.03	0.10	0.10	0.00	0.00	0.00	0.00	20.97	-0.14
25.	0.00	0.00	50.89	3194.28	0.05	0.04	0.11	-0.42	0.00	0.00	0.00	0.00	20.90	0.11
30.	0.00	0.00	60.16	3149.45	0.06	0.05	0.13	0.10	0.00	0.00	0.00	0.00	20.83	1.87
35.	0.00	0.00	70.40	3093.41	0.08	0.05	0.16	-0.22	0.00	0.00	0.00	0.00	20.67	2.36
40.	0.00	0.00	10.69	3115.82	0.10	0.05	0.23	1.14	0.00	0.00	0.00	0.00	20.52	0.42
45.	0.00	0.00	19.94	3127.03	0.12	0.06	0.24	0.56	0.00	0.00	0.00	0.00	20.36	4.93
50.	0.00	0.00	30.17	3074.73	0.13	0.06	0.26	0.34	0.00	0.00	0.00	0.00	20.20	5.61
55.	0.00	0.00	40.66	3048.58	0.18	0.08	0.35	-0.23	0.00	0.00	0.00	0.00	19.99	3.26
60.	0.00	0.00	50.90	3041.10	0.20	0.08	0.48	0.11	0.00	0.00	0.00	0.00	19.79	4.85
65.	0.00	0.00	60.17	3007.48	0.23	0.09	0.52	-0.79	0.00	0.00	0.00	0.00	19.52	8.19
70.	0.00	0.00	70.40	2988.80	0.27	0.09	0.54	-0.55	0.00	0.00	0.00	0.00	19.28	8.14
75.	0.00	0.00	10.70	2943.97	0.36	0.11	0.78	2.32	0.00	0.00	0.00	0.00	19.00	6.40
80.	0.00	0.00	19.95	2869.25	0.33	0.10	0.72	1.65	0.00	0.00	0.00	0.00	18.66	10.74
85.	0.00	0.00	30.18	2831.89	0.37	0.10	0.77	-0.28	0.00	0.00	0.00	0.00	18.42	7.18
90.	0.00	0.00	40.66	2835.62	0.42	0.10	0.75	-0.09	0.00	0.00	0.00	0.00	18.20	5.13
95.	0.00	0.00	50.91	2768.38	0.44	0.10	0.84	-0.35	0.00	0.00	0.00	0.00	18.07	3.58
100.	0.00	0.00	60.17	2701.13	0.43	0.09	0.77	-0.84	0.00	0.00	0.00	0.00	10.10	7.10
105.	0.00	0.00	70.41	2701.13	0.42	0.09	0.88	-0.64	0.00	0.00	0.00	0.00	17.94	5.84
110.	0.00	0.00	10.70	2663.77	0.48	0.09	0.82	2.74	0.00	0.00	0.00	0.00	17.93	7.90
115.	0.00	0.00	19.94	2577.84	0.52	0.09	0.88	2.20	0.00	0.00	0.00	0.00	18.00	3.54
120.	0.00	0.00	30.18	2547.95	0.45	0.09	0.84	0.05	0.00	0.00	0.00	0.00	18.05	4.80
125.	0.00	0.00	40.67	2570.37	0.41	0.08	0.76	0.15	0.00	0.00	0.00	0.00	18.17	5.24
130.	0.00	0.00	50.90	2518.06	0.39	0.07	0.73	-0.41	0.00	0.00	0.00	0.00	18.09	5.63
135.	0.00	0.00	60.18	2458.29	0.47	0.07	0.76	-0.75	0.00	0.00	0.00	0.00	18.04	6.19
140.	0.00	0.00	70.41	2443.34	0.43	0.07	0.75	-0.68	0.00	0.00	0.00	0.00	18.17	9.06
145.	0.00	0.00	10.70	2420.93	0.44	0.07	0.68	2.70	0.00	0.00	0.00	0.00	10.22	2.14
150.	0.00	0.00	19.95	2361.15	0.43	0.07	0.76	2.06	0.00	0.00	0.00	0.00	18.17	7.38
155.	0.00	0.00	30.19	2249.07	0.41	0.07	0.78	-0.68	0.00	0.00	0.00	0.00	18.27	6.90
160.	0.00	0.00	40.66	2290.17	0.41	0.06	0.64	0.21	0.00	0.00	0.00	0.00	18.49	7.20
165.	0.00	0.00	50.90	2260.28	0.43	0.07	0.71	-0.70	0.00	0.00	0.00	0.00	18.41	6.15
170.	0.00	0.00	60.17	2189.29	0.41	0.06	0.66	-0.95	0.00	0.00	0.00	0.00	18.45	8.46
175.	0.00	0.00	70.40	2140.73	0.40	0.06	0.65	-0.87	0.00	0.00	0.00	0.00	18.43	9.98
180.	0.00	0.00	10.70	2114.58	0.41	0.06	0.69	2.75	0.00	0.00	0.00	0.00	10.46	5.50
185.	0.00	0.00	19.95	2103.37	0.38	0.06	0.64	1.73	0.00	0.00	0.00	0.00	18.47	4.84
190.	0.00	0.00	30.18	2017.44	0.39	0.05	0.63	-0.50	0.00	0.00	0.00	0.00	18.51	7.28
195.	0.00	0.00	40.66	2032.38	0.34	0.05	0.59	-0.62	0.00	0.00	0.00	0.00	18.51	7.72
200.	0.00	0.00	50.90	1998.76	0.31	0.05	0.60	-0.62	0.00	0.00	0.00	0.00	18.59	4.45
205.	0.00	0.00	60.17	1938.98	0.33	0.05	0.54	-0.73	0.00	0.00	0.00	0.00	18.68	7.29
210.	0.00	0.00	70.40	1942.72	0.39	0.05	0.57	-0.47	0.00	0.00	0.00	0.00	18.77	5.57
215.	0.00	0.00	10.70	1890.41	0.38	0.05	0.57	2.24	0.00	0.00	0.00	0.00	18.83	6.27
220.	0.00	0.00	19.94	1845.58	0.39	0.05	0.55	1.68	0.00	0.00	0.00	0.00	18.91	6.40

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	0.00	0.00	30.18	1811.96	0.33	0.05	0.52	0.61	0.00	0.00	0.00	0.00	18.08	7.19
230.	0.00	0.00	40.66	1819.43	0.35	0.05	0.53	-0.61	0.00	0.00	0.00	0.00	18.83	5.85
235.	0.00	0.00	50.90	1838.11	0.34	0.05	0.60	-0.79	0.00	0.00	0.00	0.00	18.87	6.30
240.	0.00	0.00	60.17	1789.54	0.33	0.04	0.57	-0.72	0.00	0.00	0.00	0.00	18.82	3.53
245.	0.00	0.00	70.42	1711.09	0.31	0.04	0.54	-0.69	0.00	0.00	0.00	0.00	18.87	3.95
250.	0.00	0.00	10.70	1688.67	0.31	0.04	0.52	2.13	0.00	0.00	0.00	0.00	18.86	6.84
255.	0.00	0.00	19.94	1677.45	0.30	0.04	0.63	1.34	0.00	0.00	0.00	0.00	18.90	7.21
260.	0.00	0.00	30.19	1595.27	0.30	0.04	0.59	0.85	0.00	0.00	0.00	0.00	18.94	7.64
265.	0.00	0.00	40.67	1606.48	0.33	0.04	0.50	-0.71	0.00	0.00	0.00	0.00	18.99	4.88
270.	0.00	0.00	50.89	1580.33	0.34	0.04	0.55	-0.58	0.00	0.00	0.00	0.00	18.96	3.50
275.	0.00	0.00	60.18	1542.97	0.32	0.04	0.50	-0.29	0.00	0.00	0.00	0.00	18.96	6.67
280.	0.00	0.00	70.41	1494.40	0.32	0.04	0.49	-0.70	0.00	0.00	0.00	0.00	18.94	6.53
285.	0.00	0.00	10.70	1486.93	0.32	0.04	0.52	2.31	0.00	0.00	0.00	0.00	19.03	4.79
290.	0.00	0.00	19.95	1453.30	0.31	0.04	0.53	1.85	0.00	0.00	0.00	0.00	19.05	4.91
295.	0.00	0.00	30.18	1367.38	0.27	0.04	0.47	-0.13	0.00	0.00	0.00	0.00	19.04	6.01
300.	0.00	0.00	40.66	1363.64	0.28	0.04	0.47	-0.59	0.00	0.00	0.00	0.00	19.08	5.44
305.	0.00	0.00	50.90	1374.85	0.28	0.04	0.45	-0.78	0.00	0.00	0.00	0.00	19.13	4.27
310.	0.00	0.00	60.17	1322.54	0.32	0.04	0.49	-0.58	0.00	0.00	0.00	0.00	19.15	4.64
315.	0.00	0.00	70.41	1270.24	0.28	0.03	0.46	-0.57	0.00	0.00	0.00	0.00	19.18	6.19
320.	0.00	0.00	10.70	1236.61	0.25	0.03	0.39	2.46	0.00	0.00	0.00	0.00	19.21	4.83
325.	0.00	0.00	19.95	1251.56	0.25	0.03	0.41	1.91	0.00	0.00	0.00	0.00	19.24	4.31
330.	0.00	0.00	30.19	1202.99	0.30	0.03	0.45	-0.32	0.00	0.00	0.00	0.00	19.26	2.02
335.	0.00	0.00	40.67	1184.31	0.30	0.03	0.41	-0.54	0.00	0.00	0.00	0.00	19.31	5.55
340.	0.00	0.00	50.91	1206.73	0.27	0.03	0.48	-0.79	0.00	0.00	0.00	0.00	19.32	7.28
345.	0.00	0.00	60.17	1150.69	0.27	0.03	0.41	-0.60	0.00	0.00	0.00	0.00	19.32	6.76
350.	0.00	0.00	70.41	1139.48	0.30	0.03	0.45	-0.66	0.00	0.00	0.00	0.00	19.30	6.90
355.	0.00	0.00	10.70	1109.59	0.26	0.03	0.41	2.33	0.00	0.00	0.00	0.00	19.29	5.61
360.	0.00	0.00	19.96	1113.33	0.26	0.03	0.49	0.45	0.00	0.00	0.00	0.00	19.36	4.13
365.	0.00	0.00	30.20	1072.23	0.23	0.03	0.35	-0.23	0.00	0.00	0.00	0.00	19.43	7.14
370.	0.00	0.00	40.67	1039.61	0.23	0.03	0.41	-0.61	0.00	0.00	0.00	0.00	19.43	4.24
375.	0.00	0.00	50.90	1027.40	0.26	0.03	0.38	-0.68	0.00	0.00	0.00	0.00	19.41	5.93
380.	0.00	0.00	60.18	1023.65	0.27	0.03	0.41	-0.71	0.00	0.00	0.00	0.00	19.41	7.90
385.	0.00	0.00	70.41	971.36	0.27	0.03	0.42	-0.69	0.00	0.00	0.00	0.00	19.43	4.19
390.	0.00	0.00	10.70	956.41	0.25	0.03	0.37	2.22	0.00	0.00	0.00	0.00	19.44	5.41
395.	0.00	0.00	19.96	963.89	0.27	0.03	0.39	0.11	0.00	0.00	0.00	0.00	19.44	6.85
400.	0.00	0.00	30.19	915.32	0.21	0.03	0.38	0.64	0.00	0.00	0.00	0.00	19.54	5.42
405.	0.00	0.00	40.67	904.11	0.22	0.03	0.35	-0.39	0.00	0.00	0.00	0.00	19.59	4.37
410.	0.00	0.00	50.90	907.85	0.21	0.02	0.34	-0.53	0.00	0.00	0.00	0.00	19.57	5.36
415.	0.00	0.00	60.18	892.90	0.19	0.02	0.34	-0.81	0.00	0.00	0.00	0.00	19.62	7.74
420.	0.00	0.00	70.41	900.38	0.18	0.02	0.28	-0.62	0.00	0.00	0.00	0.00	19.60	3.90
425.	0.00	0.00	10.70	885.43	0.17	0.02	0.27	1.90	0.00	0.00	0.00	0.00	19.60	3.18
430.	0.00	0.00	19.95	881.70	0.17	0.02	0.23	1.03	0.00	0.00	0.00	0.00	19.74	3.40
435.	0.00	0.00	30.18	855.54	0.16	0.02	0.24	0.29	0.00	0.00	0.00	0.00	19.75	3.37
440.	0.00	0.00	40.67	877.96	0.16	0.02	0.24	0.07	0.00	0.00	0.00	0.00	19.80	4.25
445.	0.00	0.00	50.91	844.33	0.15	0.02	0.25	0.05	0.00	0.00	0.00	0.00	19.86	1.94
450.	0.00	0.00	60.18	803.24	0.15	0.02	0.26	-0.55	0.00	0.00	0.00	0.00	19.88	5.83
455.	0.00	0.00	70.42	806.97	0.14	0.02	0.23	-0.32	0.00	0.00	0.00	0.00	19.90	3.68
460.	0.00	0.00	10.70	799.50	0.14	0.02	0.23	1.20	0.00	0.00	0.00	0.00	19.93	3.69
465.	0.00	0.00	19.95	769.61	0.14	0.02	0.22	1.13	0.00	0.00	0.00	0.00	19.93	5.75
470.	0.00	0.00	30.19	792.03	0.13	0.02	0.21	-0.20	0.00	0.00	0.00	0.00	19.97	2.43

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	0.00	0.00	40.67	777.09	0.13	0.02	0.21	0.07	0.00	0.00	0.00	0.00	20.02	4.01
480.	0.00	0.00	50.90	762.14	0.13	0.02	0.21	-0.48	0.00	0.00	0.00	0.00	20.03	3.32
485.	0.00	0.00	60.17	724.78	0.12	0.02	0.17	-0.62	0.00	0.00	0.00	0.00	20.04	2.85
490.	0.00	0.00	70.41	762.14	0.12	0.02	0.18	-0.49	0.00	0.00	0.00	0.00	20.08	1.93
495.	0.00	0.00	10.70	765.88	0.12	0.02	0.18	1.18	0.00	0.00	0.00	0.00	20.09	2.51
500.	0.00	0.00	19.95	721.05	0.11	0.02	0.16	0.14	0.00	0.00	0.00	0.00	20.11	2.69
505.	0.00	0.00	30.19	683.69	0.11	0.02	0.17	0.13	0.00	0.00	0.00	0.00	20.11	5.34
510.	0.00	0.00	40.67	702.37	0.11	0.02	0.15	-0.32	0.00	0.00	0.00	0.00	20.15	6.53
515.	0.00	0.00	50.90	720.52	0.11	0.02	0.15	0.23	0.00	0.00	0.00	0.00	20.18	2.27
520.	0.00	0.00	60.17	657.53	0.10	0.02	0.15	-0.75	0.00	0.00	0.00	0.00	20.20	5.29
525.	0.00	0.00	70.41	672.48	0.10	0.02	0.17	-0.44	0.00	0.00	0.00	0.00	20.22	1.04
530.	0.00	0.00	10.70	657.53	0.10	0.02	0.17	1.67	0.00	0.00	0.00	0.00	20.24	2.55
535.	0.00	0.00	19.95	683.69	0.10	0.02	0.15	0.75	0.00	0.00	0.00	0.00	20.26	1.93
540.	0.00	0.00	30.19	631.38	0.09	0.01	0.15	-0.10	0.00	0.00	0.00	0.00	20.27	3.77
545.	0.00	0.00	40.66	608.97	0.09	0.01	0.14	0.13	0.00	0.00	0.00	0.00	20.30	4.16
550.	0.00	0.00	50.90	601.49	0.09	0.01	0.11	0.05	0.00	0.00	0.00	0.00	20.32	3.72
555.	0.00	0.00	60.18	623.91	0.08	0.01	0.12	-0.67	0.00	0.00	0.00	0.00	20.36	3.43
560.	0.00	0.00	70.41	582.82	0.08	0.01	0.12	-0.32	0.00	0.00	0.00	0.00	20.38	0.50
565.	0.00	0.00	10.70	594.02	0.08	0.01	0.11	1.39	0.00	0.00	0.00	0.00	20.40	3.70
570.	0.00	0.00	19.95	620.17	0.09	0.01	0.11	0.33	0.00	0.00	0.00	0.00	20.41	0.92
575.	0.00	0.00	30.18	571.61	0.07	0.01	0.10	0.33	0.00	0.00	0.00	0.00	20.44	2.09
580.	0.00	0.00	40.67	560.40	0.07	0.01	0.08	0.24	0.00	0.00	0.00	0.00	20.48	1.59
585.	0.00	0.00	50.90	515.57	0.07	0.01	0.07	-0.16	0.00	0.00	0.00	0.00	20.52	4.26
590.	0.00	0.00	60.17	545.46	0.07	0.01	0.07	-0.16	0.00	0.00	0.00	0.00	20.56	-0.09
595.	0.00	0.00	70.40	560.40	0.06	0.01	0.07	-0.43	0.00	0.00	0.00	0.00	20.60	2.09
600.	0.00	0.00	10.70	552.93	0.06	0.01	0.06	1.17	0.00	0.00	0.00	0.00	20.64	0.65
605.	0.00	0.00	19.95	480.41	0.06	0.01	0.06	0.17	0.00	0.00	0.00	0.00	20.70	5.43
610.	0.00	0.00	30.19	504.36	0.06	0.01	0.07	0.19	0.00	0.00	0.00	0.00	20.72	2.58
615.	0.00	0.00	40.66	537.98	0.05	0.01	0.07	-0.40	0.00	0.00	0.00	0.00	20.76	0.49
620.	0.00	0.00	50.90	496.89	0.06	0.01	0.07	0.19	0.00	0.00	0.00	0.00	20.79	-1.39
625.	0.00	0.00	60.17	493.15	0.06	0.01	0.07	-0.40	0.00	0.00	0.00	0.00	20.81	3.18
630.	0.00	0.00	70.41	564.14	0.05	0.01	0.07	-0.10	0.00	0.00	0.00	0.00	20.83	1.63
635.	0.00	0.00	10.70	549.19	0.05	0.01	0.07	0.89	0.00	0.00	0.00	0.00	20.85	-0.21
640.	0.00	0.00	19.95	491.94	0.05	0.01	0.07	0.11	0.00	0.00	0.00	0.00	20.87	1.20
645.	0.00	0.00	30.18	511.83	0.05	0.01	0.07	-0.43	0.00	0.00	0.00	0.00	20.88	1.63
650.	0.00	0.00	40.67	537.98	0.05	0.01	0.07	-0.23	0.00	0.00	0.00	0.00	20.88	3.51
655.	0.00	0.00	50.91	530.51	0.05	0.01	0.07	0.31	0.00	0.00	0.00	0.00	20.90	1.74
660.	0.00	0.00	60.18	474.47	0.05	0.01	0.07	0.09	0.00	0.00	0.00	0.00	20.91	1.18
665.	0.00	0.00	70.40	478.20	0.05	0.01	0.06	-0.21	0.00	0.00	0.00	0.00	20.91	0.13
670.	0.00	0.00	10.70	495.68	0.05	0.01	0.06	0.52	0.00	0.00	0.00	0.00	20.92	1.30
675.	0.00	0.00	19.95	519.30	0.04	0.01	0.06	0.42	0.00	0.00	0.00	0.00	20.91	0.46
680.	0.00	0.00	30.18	474.47	0.05	0.01	0.06	0.02	0.00	0.00	0.00	0.00	20.92	3.00
685.	0.00	0.00	40.66	452.05	0.05	0.01	0.06	-0.15	0.00	0.00	0.00	0.00	20.92	1.80
690.	0.00	0.00	50.89	448.32	0.04	0.01	0.06	0.10	0.00	0.00	0.00	0.00	20.92	1.97
695.	0.00	0.00	60.17	459.53	0.05	0.01	0.06	-0.51	0.00	0.00	0.00	0.00	20.92	0.23
700.	0.00	0.00	70.41	459.53	0.05	0.01	0.06	0.14	0.00	0.00	0.00	0.00	20.93	1.82
705.	0.00	0.00	10.70	452.05	0.04	0.01	0.06	0.89	0.00	0.00	0.00	0.00	20.94	2.22
710.	0.00	0.00	19.95	444.58	0.04	0.01	0.06	-0.12	0.00	0.00	0.00	0.00	20.94	2.36
715.	0.00	0.00	30.17	448.32	0.04	0.01	0.06	0.04	0.00	0.00	0.00	0.00	20.94	0.96
720.	0.00	0.00	40.66	459.53	0.05	0.01	0.06	-0.11	0.00	0.00	0.00	0.00	20.95	-0.49

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	0.00	0.00	50.89	440.85	0.04	0.01	0.06	-0.36	0.00	0.00	0.00	0.00	20.95	-1.06

TIME	42	43	44	45	46	47	48
0.	-0.96	-0.72	1.44	-1.33	1.65	0.00	0.00
0.	-1.14	0.71	-1.24	1.06	0.84	0.00	0.00
0.	1.60	-0.60	-0.40	1.28	-1.22	0.00	0.00
0.	-0.65	1.61	-0.46	-0.55	0.45	0.00	0.00
0.	0.16	-0.15	-0.34	0.73	-0.93	0.00	0.00
0.	1.00	-0.85	1.01	-1.19	-0.78	0.00	0.00
5.	-0.94	0.97	-0.71	0.79	-0.26	0.00	5.00
10.	-0.68	-0.69	1.62	-1.85	0.93	0.00	10.00
15.	1.75	-0.20	0.73	-1.27	-0.42	0.00	15.00
20.	0.94	0.43	0.35	-1.65	1.64	0.02	20.00
25.	3.75	-1.95	0.55	0.49	-2.23	0.08	25.00
30.	2.38	0.11	0.41	-0.38	-0.71	0.14	30.00
35.	2.48	0.40	-1.81	2.49	-0.71	0.33	35.00
40.	3.17	1.19	-1.40	0.55	0.13	0.50	40.00
45.	-0.07	4.18	-2.03	2.51	-1.16	0.67	45.00
50.	0.56	1.06	-0.49	1.77	0.74	0.88	50.00
55.	3.03	4.31	-2.69	2.02	0.84	1.17	55.00
60.	3.40	3.92	-0.74	1.86	0.27	1.31	60.00
65.	3.64	2.94	-1.83	-1.88	-0.57	1.73	65.00
70.	3.85	2.77	-0.63	-1.02	1.22	1.90	70.00
75.	3.96	1.53	0.65	-0.18	0.43	2.28	75.00
80.	2.35	3.68	2.28	0.04	1.59	2.71	80.00
85.	4.47	2.98	-1.12	1.42	-2.25	2.83	85.00
90.	1.70	3.25	2.15	-2.32	0.35	3.06	90.00
95.	8.14	3.89	0.28	2.25	-1.48	3.16	95.00
100.	6.64	4.92	-0.88	-2.29	-1.97	2.98	100.00
105.	6.94	3.49	-1.96	1.81	-0.78	3.25	105.00
110.	9.00	2.51	0.16	2.83	-3.99	3.23	110.00
115.	7.79	3.36	-3.45	1.02	1.24	3.11	115.00
120.	6.45	4.60	-2.33	-0.02	-4.34	3.09	120.00
125.	2.95	4.11	0.48	-1.47	3.13	2.85	125.00
130.	6.70	1.10	1.97	1.75	-2.29	2.99	130.00
135.	8.74	1.42	-3.04	2.00	-2.74	3.12	135.00
140.	5.51	2.27	2.17	-0.85	-0.28	2.81	140.00
145.	6.61	3.03	-1.06	-1.61	-0.13	2.78	145.00
150.	6.65	3.13	-3.88	-0.01	-1.42	2.97	150.00
155.	3.71	3.98	3.71	-2.10	0.19	2.74	155.00
160.	4.97	6.46	-2.19	-2.54	-1.41	2.57	160.00
165.	5.64	4.07	1.22	0.35	1.20	2.66	165.00
170.	3.27	5.01	0.58	-1.50	-2.10	2.49	170.00
175.	4.60	3.08	-3.82	1.95	-0.23	2.69	175.00
180.	5.77	1.33	1.04	-1.73	-2.95	2.59	180.00
185.	8.41	6.16	-2.97	1.37	0.59	2.61	185.00
190.	8.58	2.85	-4.28	2.06	-1.50	2.51	190.00
195.	3.34	5.34	-1.16	0.49	-1.10	2.52	195.00
200.	6.11	4.59	-2.13	-1.51	-1.36	2.47	200.00
205.	2.18	1.03	1.84	0.50	-2.55	2.32	205.00
210.	2.88	5.00	1.09	-2.61	1.16	2.23	210.00
215.	4.68	2.27	-0.19	-0.96	-0.52	2.15	215.00
220.	5.41	6.38	-2.68	-1.59	1.32	2.09	220.00

TIME	42	43	44	45	46	47	48
225.	3.86	5.52	-0.56	-0.92	0.77	2.22	225.00
230.	6.26	4.54	-0.27	-0.72	-0.84	2.26	230.00
235.	4.16	5.16	-2.26	-2.07	2.29	2.21	235.00
240.	5.72	4.95	-2.38	2.77	-3.53	2.26	240.00
245.	8.76	3.98	-1.30	0.70	-0.00	2.11	245.00
250.	3.89	4.78	-0.53	-1.86	0.21	2.19	250.00
255.	3.04	1.10	1.53	0.53	-2.95	2.13	255.00
260.	5.04	1.79	1.15	-1.73	-1.45	2.07	260.00
265.	3.52	4.23	-1.93	-2.28	1.14	1.93	265.00
270.	7.42	1.85	-1.48	-0.51	-1.94	2.09	270.00
275.	3.32	3.36	-1.37	-0.61	0.98	2.07	275.00
280.	3.73	2.79	-0.22	1.20	-3.09	2.09	280.00
285.	4.70	3.49	-2.77	1.73	-2.19	1.98	285.00
290.	3.32	7.92	-3.70	-0.92	1.07	1.95	290.00
295.	5.85	3.83	-2.49	-1.94	1.27	1.97	295.00
300.	4.35	3.36	-0.61	0.53	-2.12	1.87	300.00
305.	4.07	0.86	2.06	-0.84	0.04	1.82	305.00
310.	8.42	4.27	-1.41	-0.60	1.26	1.84	310.00
315.	1.87	3.53	-0.21	0.81	-1.15	1.81	315.00
320.	3.48	4.10	0.11	-0.37	-0.73	1.77	320.00
325.	4.39	5.01	-3.70	-0.10	0.75	1.72	325.00
330.	5.41	4.52	-2.15	-2.21	0.77	1.74	330.00
335.	4.86	2.83	-1.84	1.52	-1.41	1.60	335.00
340.	4.54	2.02	-1.91	1.10	-1.31	1.64	340.00
345.	4.26	3.07	-0.91	-0.50	-0.26	1.67	345.00
350.	4.46	2.78	-1.41	-1.24	-0.32	1.66	350.00
355.	4.37	0.74	-0.42	-0.61	-1.34	1.66	355.00
360.	3.01	3.48	-0.57	-1.88	-1.34	1.58	360.00
365.	3.56	2.16	-0.50	0.58	-0.84	1.46	365.00
370.	9.20	-0.13	-0.96	2.68	-2.92	1.46	370.00
375.	0.63	3.77	-2.27	0.72	-0.15	1.56	375.00
380.	0.20	6.14	-1.86	-1.05	1.75	1.50	380.00
385.	4.46	2.46	-1.37	1.27	-1.80	1.49	385.00
390.	5.39	0.43	1.28	-1.50	-0.92	1.51	390.00
395.	1.21	3.65	-0.98	0.17	-0.78	1.40	395.00
400.	3.84	1.87	-0.29	-1.26	-1.70	1.31	400.00
405.	3.44	3.62	-0.44	0.51	-2.60	1.32	405.00
410.	1.97	3.95	-1.04	-0.88	0.93	1.33	410.00
415.	0.50	3.31	-0.04	-0.36	-1.02	1.30	415.00
420.	3.85	1.74	0.39	-0.10	0.19	0.90	420.00
425.	3.23	2.95	-1.26	-1.83	0.13	1.09	425.00
430.	1.86	2.46	-0.75	-0.84	1.01	1.22	430.00
435.	5.07	1.37	-0.69	-0.34	-0.18	1.15	435.00
440.	1.93	2.65	-0.51	0.30	-0.61	1.10	440.00
445.	4.06	2.60	-0.43	-1.81	1.36	1.03	445.00
450.	1.06	3.51	-0.14	-0.83	-0.07	1.01	450.00
455.	3.03	1.00	0.80	-0.08	-1.31	0.99	455.00
460.	3.19	2.23	-0.45	-0.52	0.04	0.97	460.00
465.	3.57	0.45	0.53	-1.69	0.32	0.97	465.00
470.	5.63	0.14	-1.44	1.44	-1.97	0.83	470.00

TIME	42	43	44	45	46	47	48
475.	2.45	3.01	-1.92	1.52	-1.25	0.90	475.00
480.	3.72	1.47	0.58	-1.64	1.20	0.87	480.00
485.	3.88	0.85	0.30	-1.67	0.32	0.85	485.00
490.	3.59	2.27	-0.39	-2.61	-1.90	0.75	490.00
495.	2.75	1.42	-0.17	-1.54	-0.87	0.78	495.00
500.	2.31	2.34	-0.26	-0.29	-1.64	0.75	500.00
505.	-0.29	3.45	-1.13	-0.46	0.01	0.78	505.00
510.	-1.00	2.30	0.41	-0.88	-1.12	0.72	510.00
515.	1.98	3.39	-0.51	-1.55	0.59	0.71	515.00
520.	0.51	3.24	-0.76	0.86	0.13	0.70	520.00
525.	3.92	0.59	1.10	-2.59	-0.93	0.65	525.00
530.	3.36	2.30	-0.96	-2.20	0.10	0.64	530.00
535.	0.05	4.45	-2.64	0.77	0.87	0.63	535.00
540.	0.61	0.21	0.85	-0.09	-0.67	0.62	540.00
545.	-0.54	2.30	-1.01	0.03	-0.60	0.57	545.00
550.	1.21	2.91	-1.44	-0.04	-0.22	0.55	550.00
555.	0.98	1.11	-0.50	0.75	-3.32	0.50	555.00
560.	2.55	2.59	-0.72	-1.00	0.48	0.50	560.00
565.	1.75	1.47	-0.60	-0.33	0.02	0.48	565.00
570.	2.41	1.47	-1.53	-0.02	-1.47	0.47	570.00
575.	1.91	0.49	-0.30	1.20	-1.65	0.42	575.00
580.	2.13	1.19	-1.29	0.90	-1.19	0.39	580.00
585.	-1.14	0.29	2.63	-1.91	0.06	0.34	585.00
590.	2.23	-0.81	0.34	-2.62	-1.58	0.30	590.00
595.	1.38	1.63	-1.06	0.68	-1.52	0.26	595.00
600.	1.88	2.03	-1.24	-0.75	-0.03	0.25	600.00
605.	-1.23	2.56	-0.27	0.31	-1.63	0.17	605.00
610.	-0.10	1.54	-0.72	-2.47	-0.31	0.16	610.00
615.	1.16	-0.10	-0.29	0.42	-0.83	0.12	615.00
620.	2.00	0.64	-0.13	-0.02	-0.99	0.11	620.00
625.	-0.64	1.45	-0.81	0.20	0.01	0.09	625.00
630.	0.98	1.70	-1.74	0.91	0.07	0.06	630.00
635.	2.63	1.03	-1.89	0.96	-1.16	0.05	635.00
640.	-0.26	1.56	-0.96	-0.31	0.01	0.04	640.00
645.	2.50	-0.04	-0.09	0.69	-0.61	0.05	645.00
650.	-0.81	2.31	-1.09	-0.04	0.24	0.04	650.00
655.	0.40	2.03	-2.40	1.44	-1.55	0.02	655.00
660.	1.68	1.73	-0.25	-0.51	0.23	0.03	660.00
665.	1.27	0.28	-0.22	-1.23	1.06	0.03	665.00
670.	2.09	-2.10	2.27	-1.61	-1.47	0.02	670.00
675.	1.14	0.88	-0.86	-1.73	0.84	0.02	675.00
680.	-0.12	0.53	0.60	-2.12	2.09	0.02	680.00
685.	0.70	1.88	-0.59	-1.53	-0.25	0.02	685.00
690.	0.66	-0.34	0.88	0.84	-0.71	0.02	690.00
695.	1.41	0.55	-0.01	-1.26	1.13	0.02	695.00
700.	1.43	0.89	0.18	-1.32	1.14	0.02	700.00
705.	1.38	1.62	-1.56	0.49	-0.09	0.01	705.00
710.	0.09	1.21	0.14	0.12	0.23	0.01	710.00
715.	1.39	-1.11	1.05	-2.21	1.07	0.01	715.00
720.	1.54	0.83	-0.46	-0.37	-0.29	0.00	720.00

TIME	42	43	44	45	46	47	48
725.	3.53	-1.42	1.37	-1.45	-0.65	0.00	725.00

PRC4-P-2-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	24.75	23.37	22.35	22.67	22.65	22.50	21.40	27.22	27.45	27.27	26.47	25.40	24.60	23.95
0.	24.75	23.32	22.67	22.77	22.20	22.60	21.70	27.27	27.50	27.30	26.52	25.47	24.63	23.92
0.	24.65	23.32	22.72	22.75	23.02	22.45	21.57	27.30	27.42	27.32	26.57	25.42	24.52	23.97
0.	24.27	23.25	22.70	22.57	22.22	22.20	21.72	27.30	27.42	27.35	26.52	25.42	24.47	23.97
0.	24.55	23.17	22.55	22.40	22.67	22.42	21.77	27.22	27.38	27.27	26.35	25.30	24.40	23.95
0.	24.85	23.22	22.77	22.52	22.77	22.00	21.97	27.32	27.40	27.25	26.52	25.30	24.38	23.97
5.	25.32	23.30	23.07	22.88	21.67	21.20	20.90	29.25	30.07	27.72	26.65	26.02	25.45	24.80
10.	29.55	27.20	23.25	23.40	22.42	21.38	20.77	29.29	31.95	29.05	29.29	28.97	28.45	27.75
15.	33.93	29.15	23.40	22.70	21.55	21.77	21.30	30.54	33.73	30.41	30.66	30.76	30.46	29.73
20.	34.54	28.37	25.02	22.22	21.80	21.82	21.67	32.76	34.44	33.02	33.95	32.73	32.15	31.93
25.	35.61	32.56	24.17	22.20	22.20	21.55	21.40	33.78	37.07	35.07	35.83	35.29	34.83	34.93
30.	37.54	32.78	24.92	22.35	22.40	21.85	21.27	37.88	39.63	36.85	39.02	38.88	39.58	39.98
35.	50.90	42.41	24.70	22.57	22.77	21.95	21.52	47.19	57.68	45.68	45.12	44.51	45.44	46.37
40.	79.17	40.88	24.65	22.92	23.22	22.57	21.70	72.54	81.79	70.10	75.83	76.15	74.22	73.37
45.	115.66	80.02	24.47	23.47	23.25	22.02	21.50	93.98	124.68	114.02	111.17	105.66	108.24	102.51
50.	160.00	104.90	26.97	24.27	23.13	22.60	21.55	128.85	172.90	157.77	155.15	162.85	166.55	156.60
55.	203.93	124.51	36.02	25.25	24.05	22.80	21.90	161.27	218.80	201.10	204.49	200.70	196.92	186.38
60.	232.12	190.85	30.73	26.42	24.82	23.00	21.80	189.67	248.49	234.98	238.19	239.32	233.19	228.63
65.	263.88	216.50	32.54	26.75	24.72	23.90	21.95	237.93	306.76	279.32	280.51	275.27	262.78	252.98
70.	311.71	231.34	47.00	27.32	26.20	23.85	22.47	226.90	346.57	321.86	319.45	315.38	310.76	311.66
75.	312.15	284.66	42.22	28.27	26.42	24.15	22.60	229.00	366.98	347.48	346.05	339.24	311.81	308.58
80.	320.38	266.24	57.85	28.70	25.65	24.27	22.30	242.07	395.78	365.84	365.17	358.62	346.39	317.22
85.	328.19	257.51	73.17	29.17	25.97	24.75	23.00	277.29	426.19	398.64	388.59	368.63	365.26	344.34
90.	328.52	256.37	78.55	28.90	26.17	24.55	23.15	270.37	392.43	385.21	367.21	363.88	350.02	341.68
95.	343.78	291.95	119.83	28.05	25.32	26.25	22.57	273.27	393.45	386.26	369.77	361.86	358.88	345.15
100.	323.83	278.05	109.68	28.42	26.35	24.38	22.90	278.54	395.57	382.00	370.02	369.05	348.74	346.15
105.	342.49	294.41	84.69	29.82	25.80	24.57	23.37	283.27	402.19	391.31	384.52	380.69	364.37	362.17
110.	347.93	291.45	88.07	29.93	26.63	25.60	23.55	292.80	405.28	399.52	392.55	381.36	366.21	352.19
115.	345.49	306.12	114.19	31.60	29.22	23.35	22.72	306.10	431.31	403.37	399.69	391.19	367.32	353.52
120.	342.83	304.56	75.44	31.98	24.77	23.47	22.52	293.95	404.12	394.43	389.40	382.83	367.63	363.81
125.	326.62	285.32	129.22	31.85	28.02	25.72	23.70	292.76	407.21	397.26	380.57	364.84	361.45	343.71
130.	324.76	296.90	91.17	32.07	28.25	24.42	23.30	315.80	409.21	399.95	390.64	385.09	370.35	362.88
135.	338.58	293.37	158.15	30.76	28.20	23.47	23.55	316.93	401.86	392.21	383.71	367.88	360.29	343.40
140.	326.88	307.12	101.32	32.61	27.80	26.07	23.55	309.98	405.38	393.28	382.21	365.70	350.93	348.02
145.	321.88	311.32	157.38	35.76	27.88	23.90	24.22	311.48	398.50	383.19	366.65	363.63	364.83	360.40
150.	323.07	291.50	95.69	35.90	27.38	25.40	22.60	313.49	390.38	381.05	362.30	361.24	346.57	342.71
155.	316.48	286.54	81.17	33.44	26.80	28.77	24.67	302.49	367.12	357.81	352.40	347.98	345.73	343.19
160.	317.17	297.73	135.22	33.88	28.88	27.40	23.52	291.31	364.24	356.45	353.31	348.59	346.71	339.05
165.	311.24	244.58	107.88	32.12	27.72	26.05	23.65	296.00	359.26	353.95	347.95	341.02	328.90	320.45
170.	308.80	262.12	107.73	33.66	27.35	26.38	24.00	294.15	350.95	345.90	344.59	342.57	341.95	325.09
175.	307.54	282.49	121.56	30.19	27.75	27.42	23.22	291.78	349.83	341.31	340.31	346.05	341.68	339.73
180.	293.19	273.22	112.29	31.46	26.82	24.63	23.90	290.93	341.67	340.64	348.07	345.80	339.54	328.17
185.	303.34	262.15	154.35	30.15	29.55	23.80	23.25	286.88	346.79	342.90	340.61	328.81	321.43	323.19
190.	302.90	268.80	140.82	37.39	28.13	25.92	23.35	290.61	354.86	342.26	344.39	341.56	327.19	322.24
195.	308.68	280.27	81.38	39.58	28.90	24.30	22.85	287.63	342.38	341.05	330.40	328.19	322.88	319.17
200.	314.10	277.24	151.60	39.76	26.95	28.05	23.52	293.12	346.09	340.71	329.67	328.93	324.88	319.52
205.	**312.76**	**287.24**	**147.80**	**34.07**	**28.72**	**25.00**	**22.70**	**296.44**	**349.21**	**342.79**	**343.19**	**329.59**	**323.64**	**315.29**
210.	315.39	252.19	111.66	35.19	29.40	23.02	23.10	296.00	359.29	343.71	343.93	340.78	320.40	312.48
215.	301.85	252.41	111.51	33.24	26.88	23.60	23.45	289.71	344.48	341.80	328.12	324.98	314.57	314.51
220.	291.86	271.10	117.49	32.73	28.85	24.02	22.82	284.46	329.76	323.95	322.83	318.90	315.46	293.86

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	296.54	251.19	126.63	31.05	28.95	25.67	23.37	282.44	324.24	316.55	313.38	311.67	311.37	306.41
230.	285.10	218.05	142.12	29.95	27.97	24.22	23.35	275.05	313.45	312.02	311.38	317.07	313.98	312.61
235.	273.90	238.12	93.93	29.83	27.15	26.05	23.92	270.54	315.98	309.29	307.56	306.66	292.05	292.34
240.	276.85	240.88	106.88	31.46	24.70	25.60	23.95	265.02	314.24	307.05	306.37	305.34	291.43	295.54
245.	276.24	249.66	120.51	31.76	24.25	23.47	23.70	263.19	306.34	304.32	305.19	302.24	294.80	293.15
250.	273.78	234.71	104.12	31.37	25.52	23.67	23.63	259.80	292.02	292.50	301.98	292.38	291.56	290.27
255.	263.73	249.22	89.88	32.49	26.35	23.82	22.15	259.02	303.19	295.71	294.15	293.37	289.93	289.63
260.	274.49	245.00	111.63	31.63	27.80	24.45	23.32	258.63	302.05	296.39	295.29	292.85	286.46	284.05
265.	262.15	230.20	107.51	31.22	27.17	25.88	22.27	254.05	296.83	293.90	292.98	293.49	290.85	286.51
270.	257.80	238.19	78.55	30.27	26.20	22.67	23.15	251.10	291.02	287.07	286.51	285.93	277.24	270.90
275.	257.12	227.00	93.05	30.66	28.60	24.32	23.07	251.85	292.93	286.29	286.85	286.68	281.07	282.90
280.	255.85	199.41	115.63	30.19	29.02	24.38	23.55	248.15	290.56	285.66	286.32	285.90	279.27	274.37
285.	248.46	230.07	108.07	30.73	26.80	22.90	22.60	246.32	286.39	279.90	279.10	277.34	267.17	265.49
290.	250.88	228.87	92.79	31.78	27.50	24.42	22.40	245.07	283.49	278.15	276.02	276.10	270.22	267.41
295.	249.10	202.05	78.36	31.93	26.42	23.13	22.60	240.24	280.49	275.78	276.90	274.24	265.51	261.44
300.	241.29	220.50	81.29	31.15	29.63	23.42	21.77	236.73	273.56	269.24	270.66	269.05	260.95	261.80
305.	238.61	195.87	79.12	30.78	24.75	26.47	23.35	236.32	268.98	265.05	263.95	259.41	250.12	245.68
310.	236.19	178.57	78.88	29.51	27.65	28.30	23.15	232.41	262.17	260.58	260.90	260.00	256.00	250.10
315.	235.19	181.25	102.15	30.05	25.72	26.07	23.22	229.56	257.46	257.37	258.49	257.24	253.78	253.66
320.	232.07	205.95	105.51	29.42	26.55	22.90	22.20	231.30	252.76	251.46	253.76	253.19	249.32	249.78
325.	229.78	217.50	116.71	29.32	26.90	24.80	21.77	230.15	255.17	250.68	251.29	249.98	244.56	246.41
330.	228.90	199.32	90.67	30.34	24.45	23.45	21.70	228.17	247.85	248.05	249.12	247.32	244.80	248.85
335.	232.80	199.95	123.32	29.27	24.15	21.50	20.63	224.92	247.98	245.51	244.02	244.07	239.07	241.93
340.	225.67	200.63	93.26	30.10	25.30	26.40	20.80	222.17	244.12	240.95	240.83	240.29	235.15	237.58
345.	220.07	200.10	110.07	29.25	26.85	22.20	21.17	218.75	238.05	235.88	237.58	236.17	232.51	232.93
350.	215.82	193.35	82.86	28.88	26.95	24.67	22.72	215.25	235.07	232.51	233.80	232.51	228.56	230.68
355.	206.76	188.95	82.31	29.55	24.70	23.22	22.38	207.00	229.02	229.05	228.90	232.82	226.63	228.15
360.	199.85	173.72	77.05	29.82	26.05	24.00	22.88	204.32	228.67	228.40	226.92	224.30	215.75	217.55
365.	199.12	183.70	67.00	29.50	26.17	23.47	21.63	200.98	224.07	221.57	221.55	220.38	208.24	216.42
370.	200.20	155.65	64.79	29.15	25.97	22.63	21.55	202.47	217.97	216.72	217.45	215.85	204.71	203.63
375.	199.10	175.00	70.61	29.02	28.75	23.72	20.97	199.60	213.67	213.92	208.17	207.46	203.76	205.98
380.	192.90	155.65	64.98	29.13	26.05	24.63	22.07	196.50	205.05	204.49	204.07	202.83	203.02	199.05
385.	183.55	166.63	61.48	28.82	24.67	21.70	20.42	193.82	200.51	199.46	199.07	202.65	197.52	196.92
390.	183.67	148.88	69.88	28.42	24.92	20.65	20.90	191.82	201.97	201.22	202.22	201.25	197.40	197.75
395.	181.22	145.60	70.80	28.55	25.07	21.85	21.15	188.50	197.02	197.55	196.52	195.27	190.45	192.32
400.	175.63	147.42	61.71	28.47	28.22	21.65	21.40	185.72	193.35	192.77	193.70	193.77	190.17	193.65
405.	175.70	140.95	62.45	27.97	25.80	22.00	20.70	183.70	190.27	190.80	191.95	192.02	188.13	187.55
410.	173.72	135.90	78.85	27.40	24.22	22.45	20.60	182.10	188.92	188.22	189.32	188.67	184.15	183.57
415.	171.13	147.30	61.59	27.07	26.47	21.13	20.90	179.95	185.85	185.27	185.60	185.67	179.13	180.15
420.	169.95	139.72	56.39	27.22	23.63	22.10	21.07	178.17	182.77	183.02	183.65	183.47	179.02	181.42
425.	166.97	134.55	67.26	27.42	28.88	20.52	20.27	175.80	180.13	180.32	180.57	181.50	177.82	179.75
430.	162.80	129.15	54.68	26.65	25.77	21.45	21.40	173.97	177.72	178.05	177.65	179.17	176.13	178.30
435.	162.47	129.46	58.76	25.00	26.95	23.42	20.55	172.42	175.42	175.63	176.55	176.25	172.13	172.42
440.	158.75	109.07	58.34	25.47	26.15	21.35	20.25	170.45	173.67	173.60	174.05	172.95	167.52	166.77
445.	159.07	125.49	58.93	26.15	25.00	21.77	19.90	168.75	171.72	171.57	172.35	171.77	167.13	168.63
450.	155.72	139.47	54.44	26.15	23.50	22.67	20.10	166.92	169.45	169.88	168.88	168.85	166.55	170.45
455.	154.15	137.47	43.22	26.60	24.75	23.02	20.10	165.25	165.07	166.50	166.15	165.85	161.42	161.63
460.	150.88	107.37	54.46	26.65	26.05	22.25	19.95	163.30	162.30	162.22	163.85	164.15	159.85	158.00
465.	147.10	103.49	55.05	25.85	26.75	21.02	20.57	161.47	160.55	161.42	161.72	161.63	156.77	155.95
470.	145.22	102.19	53.00	25.30	26.05	22.52	20.90	159.67	156.97	159.05	158.77	159.05	153.47	151.77

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	142.20	91.67	50.58	27.30	26.47	22.32	20.27	157.88	154.05	155.65	156.65	157.47	153.42	154.05
480.	138.88	100.95	47.66	25.95	24.38	21.15	20.47	156.07	151.40	153.10	155.10	155.10	149.88	146.30
485.	137.17	102.44	47.17	25.35	23.97	21.95	20.65	154.13	146.57	148.95	151.45	152.00	145.57	145.15
490.	134.77	89.07	43.29	25.25	25.57	21.82	20.63	152.45	143.60	146.75	147.92	148.55	141.07	138.50
495.	125.76	94.40	52.83	25.17	27.00	21.17	20.63	150.82	136.70	139.55	143.42	144.15	138.82	137.15
500.	123.56	92.64	45.85	25.00	25.57	20.85	20.32	149.40	137.38	140.72	141.65	140.67	134.62	127.70
505.	124.44	79.24	39.32	24.88	25.72	21.38	20.50	148.80	139.90	138.60	137.72	137.38	126.90	118.61
510.	120.98	78.90	49.80	26.95	23.50	22.40	21.30	147.90	138.97	137.70	135.52	134.77	123.46	115.93
515.	115.24	78.52	42.83	25.05	23.35	22.39	20.60	146.65	135.65	133.88	128.15	126.58	120.58	114.93
520.	111.98	79.29	39.44	24.35	23.52	23.82	20.92	145.40	128.10	124.39	124.88	125.41	116.34	111.51
525.	108.34	65.00	41.76	24.47	25.17	22.17	20.70	144.30	126.39	124.07	122.05	121.46	115.98	113.02
530.	103.93	71.73	38.49	25.38	24.17	22.57	21.13	143.17	126.51	123.44	118.78	119.10	111.58	108.02
535.	96.19	64.00	41.12	24.50	23.40	21.95	21.20	141.82	124.51	119.44	113.63	113.49	108.98	105.44
540.	94.17	65.86	34.34	24.40	25.07	22.88	20.52	140.77	124.85	121.22	112.46	109.54	105.82	103.05
545.	93.19	62.81	33.44	24.27	26.00	23.82	21.38	139.82	125.19	118.83	109.80	105.76	103.80	102.34
550.	88.76	59.93	35.78	24.00	23.90	22.75	22.02	138.77	124.02	118.24	108.58	105.10	100.83	96.52
555.	85.76	60.57	32.61	24.05	23.42	22.60	22.32	137.72	123.51	115.88	105.32	103.29	96.31	92.71
560.	83.45	57.37	34.05	24.30	23.52	23.00	21.02	136.65	121.41	115.12	104.08	101.27	93.24	89.64
565.	84.40	62.88	36.34	24.02	24.10	22.90	20.60	135.77	123.71	113.90	103.12	96.05	91.74	87.52
570.	78.17	60.43	37.54	23.57	24.25	22.63	21.57	134.80	122.39	114.46	101.07	94.45	90.40	86.64
575.	78.45	58.56	37.73	23.67	23.85	23.20	21.88	133.97	122.71	115.88	97.50	94.31	89.74	84.48
580.	78.93	60.19	35.05	23.47	24.07	22.88	21.45	129.83	121.39	112.51	96.31	91.38	88.31	83.26
585.	74.66	59.12	34.37	23.17	22.90	22.42	21.35	128.95	121.10	111.58	96.09	93.43	88.07	80.71
590.	76.68	59.79	38.05	24.65	22.60	22.80	21.90	128.22	121.05	113.27	94.83	91.62	85.17	80.26
595.	74.54	56.58	36.49	23.77	24.27	22.00	20.67	127.46	120.15	110.66	92.71	88.69	84.43	79.17
600.	72.15	56.78	37.90	24.02	23.47	21.77	21.32	126.73	119.61	109.93	90.83	87.19	83.19	78.48
605.	72.68	57.80	34.76	23.82	24.70	22.30	21.20	125.98	119.68	109.37	90.98	85.95	82.74	77.76
610.	70.95	55.63	33.12	23.75	24.20	21.57	21.30	125.19	118.68	109.24	90.74	86.31	82.48	78.66
615.	69.83	54.02	38.29	23.37	22.77	22.65	21.52	124.61	118.71	110.49	91.21	85.05	82.52	78.61
620.	66.26	54.34	36.22	23.47	23.92	22.88	20.72	124.00	118.51	110.12	89.98	85.83	81.14	77.68
625.	70.10	53.95	39.05	23.45	21.40	21.05	20.47	123.19	118.34	109.83	89.81	85.48	80.17	76.39
630.	67.09	53.05	36.71	23.52	23.80	22.15	20.63	122.54	118.02	108.66	89.74	84.71	80.26	75.73
635.	64.76	52.93	33.85	22.90	21.25	21.02	20.15	121.83	117.24	109.88	90.36	82.88	78.26	75.44
640.	62.43	54.05	37.02	23.02	23.65	20.63	20.27	121.15	116.51	109.93	90.45	82.45	77.71	73.98
645.	61.74	49.80	30.24	23.00	22.25	20.55	20.17	120.54	115.98	108.73	91.02	82.00	78.36	75.32
650.	67.40	53.44	35.63	25.30	23.27	21.07	19.70	119.90	115.39	109.37	88.38	81.12	78.71	73.73
655.	62.17	52.63	34.22	23.97	22.88	20.97	21.32	119.22	114.95	108.54	88.12	81.19	78.41	72.61
660.	64.24	48.39	34.39	22.90	20.65	22.05	20.45	118.66	114.34	108.27	87.38	79.49	76.34	71.83
665.	60.71	50.63	31.98	22.72	22.40	20.52	20.25	118.15	113.90	108.07	88.12	80.12	75.90	70.10
670.	63.64	48.00	32.56	23.00	22.97	21.90	20.55	117.56	113.32	108.02	87.93	80.00	75.80	71.02
675.	61.98	51.85	33.27	22.72	23.40	22.35	20.80	117.00	112.85	107.83	86.69	79.07	74.85	67.52
680.	58.05	50.17	31.83	22.63	23.13	20.92	20.42	116.44	112.41	106.66	87.24	79.05	75.02	70.27
685.	60.90	49.56	33.29	22.05	22.10	22.25	19.55	115.93	112.12	106.61	87.40	79.07	74.10	66.95
690.	59.19	49.71	30.17	22.20	23.45	20.52	20.15	115.29	111.85	106.90	85.88	79.05	73.19	66.95
695.	60.12	47.12	32.07	22.38	24.27	21.80	20.60	114.78	111.37	106.15	85.98	79.15	73.19	66.24
700.	57.86	48.66	30.51	22.82	23.75	21.67	19.52	114.19	110.93	106.27	85.90	78.46	72.83	65.74
705.	61.98	48.00	28.05	22.77	22.47	20.65	20.13	113.78	110.44	102.98	86.79	78.95	73.17	67.09
710.	57.95	47.17	29.72	22.25	21.22	21.82	19.63	113.24	110.24	105.39	84.79	77.82	72.85	66.87
715.	59.17	46.95	30.83	22.15	21.55	20.42	19.02	112.76	109.56	104.37	85.38	77.24	71.49	65.86
720.	59.29	47.98	29.60	22.30	21.05	20.20	19.20	112.27	109.22	103.17	83.90	77.10	71.80	65.05

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	62.59	43.68	31.68	23.32	21.42	20.52	19.40	111.80	108.88	104.32	84.90	75.68	71.07	65.14

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	23.65	23.45	23.47	23.30	22.92	23.00	22.57	22.60	22.35	23.97	27.45	0.00	0.00	0.00
0.	23.63	23.47	23.50	23.32	23.02	22.90	22.55	22.63	22.38	23.92	27.38	0.00	0.00	0.00
0.	23.72	23.52	23.52	23.35	23.02	22.97	22.60	22.67	22.40	23.95	27.42	0.00	0.00	0.00
0.	23.63	23.52	23.47	23.30	23.05	23.00	22.60	22.72	22.47	23.92	27.40	0.00	0.00	0.00
0.	23.60	23.47	23.42	23.27	22.97	22.92	22.60	22.72	22.50	23.87	27.45	0.00	0.00	0.00
0.	23.60	23.50	23.47	23.25	23.10	23.00	22.65	22.75	22.47	23.87	27.35	0.00	0.00	0.00
5.	24.20	23.75	23.60	23.35	23.15	23.27	22.92	23.00	22.77	24.07	27.25	0.00	0.00	0.00
10.	27.75	26.82	24.65	23.72	23.42	23.37	23.05	23.20	22.85	24.10	27.85	0.00	0.00	0.00
15.	29.70	28.05	25.32	24.10	23.70	23.57	23.15	23.30	23.00	24.17	28.22	0.00	0.00	0.00
20.	31.22	29.29	25.60	24.00	23.55	23.42	23.10	23.02	22.88	24.17	28.50	0.00	0.00	0.00
25.	34.56	33.10	26.45	23.90	23.57	23.37	23.05	23.20	22.65	24.27	28.88	0.00	0.00	0.00
30.	38.41	35.07	27.17	24.32	23.87	23.97	23.17	23.50	22.88	24.72	29.97	0.00	0.00	0.00
35.	45.41	40.56	29.95	26.55	25.82	26.10	24.30	24.65	23.52	26.80	32.66	0.00	0.00	0.00
40.	63.12	60.05	38.73	30.98	27.92	29.42	25.47	26.35	24.67	31.56	40.22	0.00	0.00	0.00
45.	102.44	91.69	57.54	35.46	32.95	34.58	28.20	29.32	26.47	40.39	50.22	0.00	0.00	0.00
50.	141.80	112.02	59.07	40.12	36.63	39.37	33.07	32.56	28.32	50.34	61.43	0.00	0.00	0.00
55.	174.60	159.27	65.57	49.88	40.63	41.80	33.24	36.17	29.80	58.81	81.83	0.00	0.00	0.00
60.	213.75	180.20	91.64	56.61	41.85	47.78	35.44	38.58	33.90	75.05	102.83	0.00	0.00	0.00
65.	235.37	193.17	116.85	71.56	48.00	54.17	40.78	44.71	37.37	92.76	123.71	0.00	0.00	0.00
70.	285.32	220.47	165.10	82.67	58.45	67.29	50.15	51.24	41.61	122.58	158.50	0.00	0.00	0.00
75.	291.49	237.49	170.00	94.14	63.81	78.41	54.88	57.37	44.98	145.02	174.30	0.00	0.00	0.00
80.	292.05	247.58	164.02	104.27	78.26	85.36	54.61	57.41	46.58	167.17	191.00	0.00	0.00	0.00
85.	313.98	276.07	200.41	113.76	82.90	85.17	59.59	63.88	50.37	182.63	204.00	0.00	0.00	0.00
90.	311.69	276.95	229.30	123.93	93.19	101.58	58.45	58.90	49.10	179.22	223.02	0.00	0.00	0.00
95.	314.44	277.58	207.44	123.93	91.14	109.24	70.61	65.24	49.05	182.40	227.95	0.00	0.00	0.00
100.	322.33	289.32	195.02	128.41	96.24	112.61	62.93	62.33	50.37	179.57	234.93	0.00	0.00	0.00
105.	343.50	306.39	233.37	135.92	96.07	110.15	67.64	65.57	53.85	183.70	244.66	0.00	0.00	0.00
110.	344.37	305.19	243.34	143.88	94.98	102.76	71.00	67.40	55.29	192.97	247.66	0.00	0.00	0.00
115.	340.74	316.19	238.39	143.95	102.58	107.83	66.26	74.02	56.41	190.38	258.54	0.00	0.00	0.00
120.	327.48	297.68	229.93	147.80	106.27	115.44	74.39	73.12	55.78	184.52	255.98	0.00	0.00	0.00
125.	329.93	305.00	239.32	155.92	106.49	103.29	74.56	73.93	57.93	181.37	257.80	0.00	0.00	0.00
130.	356.21	340.34	262.10	171.40	114.98	118.05	77.90	73.54	58.90	194.02	263.85	0.00	0.00	0.00
135.	342.39	312.83	232.00	161.72	111.49	118.88	77.86	78.66	58.73	190.88	264.61	0.00	0.00	0.00
140.	343.90	313.61	252.34	179.77	95.83	110.32	79.50	79.21	58.37	201.27	263.41	0.00	0.00	0.00
145.	361.59	342.51	267.07	166.80	128.76	115.39	78.37	78.81	60.19	204.12	272.41	0.00	0.00	0.00
150.	324.05	296.76	237.32	166.82	117.58	110.61	76.71	81.50	59.93	197.10	270.10	0.00	0.00	0.00
155.	329.67	315.71	236.46	174.70	128.90	122.22	80.19	75.17	57.15	186.52	258.37	0.00	0.00	0.00
160.	313.43	291.27	234.19	169.92	125.98	119.39	76.44	72.76	58.40	185.75	257.39	0.00	0.00	0.00
165.	311.86	292.27	245.73	175.42	123.68	109.66	71.19	70.32	56.80	175.50	254.95	0.00	0.00	0.00
170.	317.02	279.58	245.37	177.75	110.32	106.19	71.90	73.08	56.71	185.95	256.19	0.00	0.00	0.00
175.	322.55	303.17	251.49	152.50	101.58	100.29	71.80	75.56	58.00	183.27	254.61	0.00	0.00	0.00
180.	325.33	314.67	241.22	147.75	105.51	111.07	76.22	74.32	58.71	184.27	254.22	0.00	0.00	0.00
185.	326.17	293.83	226.35	148.17	120.80	112.76	74.17	73.22	58.21	181.72	250.02	0.00	0.00	0.00
190.	321.93	311.74	269.00	157.30	120.85	124.05	76.66	77.54	60.29	184.47	254.19	0.00	0.00	0.00
195.	317.90	312.63	265.32	158.25	125.66	139.07	79.59	76.02	58.86	180.77	255.76	0.00	0.00	0.00
200.	321.24	315.31	283.93	175.87	133.37	136.88	85.98	81.59	60.83	186.60	252.44	0.00	0.00	0.00
205.	315.64	314.58	282.29	205.56	110.51	123.17	91.71	78.62	63.26	178.32	258.54	0.00	0.00	0.00
210.	315.95	291.93	237.12	177.07	120.76	127.10	84.69	83.26	61.14	182.70	255.54	0.00	0.00	0.00
215.	311.83	281.12	238.93	179.22	133.35	122.12	78.29	80.02	61.29	178.92	254.58	0.00	0.00	0.00
220.	292.83	278.58	250.71	179.13	117.88	114.17	74.15	76.46	59.07	175.65	252.51	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	303.80	283.32	243.80	160.60	108.85	106.17	66.95	69.63	58.15	173.90	250.93	0.00	0.00	0.00
230.	312.19	272.83	206.19	152.35	111.93	114.39	74.83	72.49	57.54	161.47	247.37	0.00	0.00	0.00
235.	295.32	261.44	205.93	148.57	95.48	105.46	74.44	70.61	58.93	163.52	243.37	0.00	0.00	0.00
240.	294.80	277.51	214.55	144.12	108.88	108.73	67.33	67.79	56.88	154.67	240.41	0.00	0.00	0.00
245.	296.37	264.19	219.82	145.65	104.41	114.19	70.34	70.00	58.09	153.70	240.37	0.00	0.00	0.00
250.	292.56	272.32	205.17	129.76	80.52	105.19	72.27	73.49	57.98	165.75	236.37	0.00	0.00	0.00
255.	288.07	253.10	203.54	150.27	91.62	92.57	72.56	69.90	57.61	147.88	238.07	0.00	0.00	0.00
260.	276.41	243.44	216.07	155.30	101.39	110.27	67.26	66.12	55.24	149.95	236.19	0.00	0.00	0.00
265.	275.68	242.41	200.67	147.15	104.61	103.10	72.02	74.58	52.83	138.52	231.37	0.00	0.00	0.00
270.	266.29	231.49	202.82	154.35	115.02	107.19	71.54	71.34	53.83	151.15	230.58	0.00	0.00	0.00
275.	281.49	247.58	207.07	151.97	107.78	88.98	64.71	64.95	54.85	150.50	228.83	0.00	0.00	0.00
280.	267.24	240.93	205.73	150.00	97.45	92.98	66.57	64.45	55.49	147.97	232.85	0.00	0.00	0.00
285.	266.71	247.17	205.98	139.35	93.76	95.98	65.57	69.93	58.41	164.27	230.42	0.00	0.00	0.00
290.	271.68	252.27	196.20	129.32	88.71	91.71	62.55	71.51	58.76	156.35	230.02	0.00	0.00	0.00
295.	257.58	233.83	184.57	123.15	89.07	90.38	60.40	72.29	58.39	151.82	227.05	0.00	0.00	0.00
300.	259.34	228.60	193.27	135.47	106.54	101.27	70.24	69.65	56.54	141.92	223.75	0.00	0.00	0.00
305.	241.05	220.02	186.00	129.10	104.34	96.62	62.71	69.68	56.80	138.35	220.92	0.00	0.00	0.00
310.	238.29	218.02	190.05	150.10	95.45	101.73	66.86	65.67	54.37	148.30	218.97	0.00	0.00	0.00
315.	246.07	219.85	195.35	140.47	81.81	79.57	61.62	69.63	56.15	137.42	215.85	0.00	0.00	0.00
320.	250.29	228.65	185.60	134.37	91.76	93.48	61.59	65.12	55.15	134.27	214.35	0.00	0.00	0.00
325.	240.68	232.76	184.70	117.98	87.00	86.95	64.50	66.79	56.56	148.22	206.44	0.00	0.00	0.00
330.	247.61	225.05	180.15	128.46	88.07	90.69	73.44	67.86	54.27	139.10	204.78	0.00	0.00	0.00
335.	240.29	230.07	183.77	120.95	83.48	89.81	70.34	65.76	53.93	136.22	203.29	0.00	0.00	0.00
340.	242.56	232.40	169.27	124.15	84.90	91.52	65.33	64.88	56.71	145.95	201.85	0.00	0.00	0.00
345.	234.83	201.24	179.77	136.70	87.50	84.12	61.62	60.45	52.15	133.50	198.71	0.00	0.00	0.00
350.	232.82	202.55	173.10	133.37	88.88	80.24	60.12	59.81	50.29	129.24	201.00	0.00	0.00	0.00
355.	229.57	201.00	173.90	124.02	80.31	81.95	58.00	58.56	49.32	122.34	198.45	0.00	0.00	0.00
360.	206.66	190.45	170.32	124.93	76.58	75.76	55.49	58.02	51.54	126.00	196.17	0.00	0.00	0.00
365.	209.12	189.80	150.72	107.00	73.54	74.73	55.83	58.81	51.15	126.66	193.10	0.00	0.00	0.00
370.	199.15	179.97	137.30	105.56	69.54	73.12	57.44	57.88	50.78	109.19	190.65	0.00	0.00	0.00
375.	202.68	166.30	135.88	103.24	81.81	70.41	55.58	58.98	48.56	113.19	187.92	0.00	0.00	0.00
380.	201.65	173.88	142.50	107.44	85.31	73.66	54.32	57.00	45.27	116.02	185.47	0.00	0.00	0.00
385.	186.92	166.37	135.13	104.24	78.56	76.63	54.71	54.29	46.22	102.54	183.25	0.00	0.00	0.00
390.	189.02	153.88	129.46	103.71	69.61	63.14	52.90	53.93	45.34	115.54	181.37	0.00	0.00	0.00
395.	185.05	162.10	129.44	101.83	63.89	69.71	53.46	56.00	45.34	107.39	179.10	0.00	0.00	0.00
400.	182.92	167.72	134.32	96.14	67.64	72.41	53.93	55.63	45.39	112.78	176.90	0.00	0.00	0.00
405.	177.83	154.05	129.76	104.41	64.59	70.85	51.39	55.07	45.22	110.46	175.17	0.00	0.00	0.00
410.	178.42	150.55	121.95	101.85	73.19	65.24	52.19	58.64	45.39	109.68	173.42	0.00	0.00	0.00
415.	175.30	151.75	133.37	104.61	67.00	63.07	54.24	57.78	44.12	114.83	171.90	0.00	0.00	0.00
420.	173.40	152.67	138.65	102.51	66.95	64.99	54.85	53.85	42.83	102.88	170.27	0.00	0.00	0.00
425.	169.62	151.00	121.27	94.21	67.76	65.83	56.66	52.02	42.85	93.21	168.55	0.00	0.00	0.00
430.	166.85	143.10	115.19	90.69	64.90	59.88	50.22	50.93	43.32	96.86	167.07	0.00	0.00	0.00
435.	164.92	138.92	118.63	92.40	57.88	57.90	50.02	53.90	44.27	92.29	165.55	0.00	0.00	0.00
440.	162.70	150.75	113.80	88.90	62.14	57.90	49.95	54.39	43.88	89.52	164.00	0.00	0.00	0.00
445.	160.17	145.07	118.71	86.19	58.98	58.49	50.68	54.24	44.49	96.24	162.38	0.00	0.00	0.00
450.	167.82	139.27	116.17	81.95	56.63	56.49	46.95	50.22	44.19	92.00	160.90	0.00	0.00	0.00
455.	157.50	124.88	104.46	80.00	62.74	58.66	47.68	49.05	43.17	90.83	159.50	0.00	0.00	0.00
460.	153.72	128.32	109.07	79.39	54.66	56.83	43.02	49.66	43.66	89.07	157.80	0.00	0.00	0.00
465.	146.35	121.24	93.48	78.17	53.90	58.85	46.80	49.44	41.80	90.55	156.42	0.00	0.00	0.00
470.	142.42	117.29	93.43	75.34	51.41	55.29	42.83	47.00	42.90	91.88	155.13	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	139.80	109.76	91.71	72.90	58.51	57.93	45.41	46.02	40.66	89.36	153.82	0.00	0.00	0.00
480.	134.77	103.41	91.67	72.17	60.38	56.88	47.56	44.51	40.56	83.38	152.50	0.00	0.00	0.00
485.	134.47	107.93	91.48	76.37	53.37	51.66	44.07	44.71	40.27	87.24	151.05	0.00	0.00	0.00
490.	123.95	104.78	88.52	74.22	56.24	59.12	47.10	47.29	38.19	81.83	149.67	0.00	0.00	0.00
495.	120.29	95.52	80.98	71.66	52.71	54.63	45.46	45.24	39.32	79.07	148.55	0.00	0.00	0.00
500.	118.37	100.27	84.12	73.02	49.76	47.95	41.22	46.73	39.17	79.38	147.35	0.00	0.00	0.00
505.	110.37	95.62	81.05	72.32	52.51	47.63	42.02	45.51	38.98	79.09	145.95	0.00	0.00	0.00
510.	108.56	93.33	80.62	69.85	52.17	53.32	41.46	43.05	37.29	80.43	144.60	0.00	0.00	0.00
515.	106.05	90.90	77.73	62.83	47.54	51.68	44.27	42.54	37.54	70.45	143.15	0.00	0.00	0.00
520.	101.80	90.36	79.76	61.67	49.39	51.93	41.61	42.07	36.68	76.78	141.92	0.00	0.00	0.00
525.	106.22	91.57	73.32	59.36	45.73	48.46	39.88	42.54	36.80	70.66	140.70	0.00	0.00	0.00
530.	102.95	87.45	73.61	60.67	44.32	48.51	38.27	38.54	36.78	62.50	139.30	0.00	0.00	0.00
535.	94.62	82.00	69.90	61.21	48.58	46.32	40.29	39.44	34.27	65.17	138.22	0.00	0.00	0.00
540.	97.09	82.33	71.78	60.98	48.17	46.46	37.90	39.90	35.58	67.09	136.88	0.00	0.00	0.00
545.	92.09	79.83	71.00	59.38	44.10	43.27	38.78	38.32	37.32	65.83	135.45	0.00	0.00	0.00
550.	88.21	78.07	65.90	57.83	45.15	44.73	38.56	37.76	35.68	63.76	134.47	0.00	0.00	0.00
555.	88.69	79.19	67.67	57.88	48.32	48.22	39.17	38.78	35.41	61.81	133.72	0.00	0.00	0.00
560.	82.57	77.95	67.17	58.73	47.00	46.58	39.32	38.63	33.68	62.12	129.37	0.00	0.00	0.00
565.	80.88	74.24	65.71	58.02	49.90	47.76	39.07	39.37	33.54	65.71	129.41	0.00	0.00	0.00
570.	83.45	76.90	64.67	58.07	48.88	48.56	38.07	38.00	34.05	57.29	127.37	0.00	0.00	0.00
575.	80.98	77.15	65.21	56.58	46.73	47.37	39.32	37.27	33.00	58.55	126.61	0.00	0.00	0.00
580.	78.24	74.12	64.83	55.07	43.63	47.24	39.05	38.12	32.44	57.51	125.71	0.00	0.00	0.00
585.	78.46	72.68	61.09	56.88	44.58	42.78	39.80	38.61	34.22	58.02	124.90	0.00	0.00	0.00
590.	79.02	72.27	61.64	55.44	44.61	43.29	37.61	37.66	33.61	58.56	124.19	0.00	0.00	0.00
595.	77.76	69.58	61.12	55.12	47.49	42.61	35.58	37.46	34.00	58.88	123.29	0.00	0.00	0.00
600.	78.44	72.46	60.38	55.19	44.05	43.76	34.85	36.15	32.19	60.29	122.93	0.00	0.00	0.00
605.	77.00	67.79	59.71	54.10	43.15	42.12	34.93	36.66	33.66	58.48	122.19	0.00	0.00	0.00
610.	74.66	66.62	57.93	51.85	42.98	42.00	36.83	37.24	32.32	57.56	121.39	0.00	0.00	0.00
615.	74.34	66.45	58.71	53.27	47.95	43.51	35.98	35.71	32.02	56.41	121.02	0.00	0.00	0.00
620.	73.56	66.00	61.48	53.15	43.85	45.03	35.51	35.24	32.73	58.00	120.44	0.00	0.00	0.00
625.	73.17	62.43	60.40	52.54	44.73	44.63	36.12	35.63	32.37	58.73	119.88	0.00	0.00	0.00
630.	71.93	64.26	58.50	51.29	45.56	43.02	36.41	36.15	33.02	55.58	119.34	0.00	0.00	0.00
635.	71.93	63.02	59.45	50.56	45.93	43.85	36.54	35.17	31.66	56.39	118.95	0.00	0.00	0.00
640.	71.10	65.24	58.74	51.88	45.56	43.39	36.46	34.58	31.46	56.02	118.37	0.00	0.00	0.00
645.	70.44	62.83	59.07	51.12	44.80	41.95	34.76	33.90	33.15	53.83	117.95	0.00	0.00	0.00
650.	71.05	62.29	57.98	50.17	43.27	44.15	36.34	34.05	31.24	56.29	117.27	0.00	0.00	0.00
655.	67.40	62.76	58.12	48.71	43.61	42.49	35.93	35.49	30.58	55.46	116.88	0.00	0.00	0.00
660.	66.79	62.50	55.41	49.61	41.17	40.88	33.19	35.80	31.37	56.46	116.41	0.00	0.00	0.00
665.	66.12	60.48	55.76	49.88	42.41	42.44	36.00	34.78	31.27	55.61	116.05	0.00	0.00	0.00
670.	65.62	60.95	56.71	51.12	39.73	39.37	32.27	33.07	32.73	54.83	115.58	0.00	0.00	0.00
675.	65.00	61.43	56.05	49.76	41.85	39.22	32.76	33.90	31.78	56.07	115.02	0.00	0.00	0.00
680.	64.12	60.76	55.49	49.22	41.93	42.22	33.76	33.95	30.19	54.46	114.68	0.00	0.00	0.00
685.	64.81	60.57	55.83	48.24	43.46	42.19	33.78	33.83	32.56	52.51	114.22	0.00	0.00	0.00
690.	63.90	59.88	54.83	48.19	41.54	40.15	34.93	34.51	31.73	52.73	113.88	0.00	0.00	0.00
695.	63.93	58.52	52.90	47.63	41.61	41.00	34.29	33.76	31.12	53.63	113.49	0.00	0.00	0.00
700.	63.76	58.19	54.95	47.34	39.32	41.54	34.63	33.05	30.51	50.88	113.02	0.00	0.00	0.00
705.	64.40	58.50	54.66	48.37	41.32	42.32	35.02	34.54	29.95	49.07	112.56	0.00	0.00	0.00
710.	63.31	58.26	54.66	47.27	42.10	41.76	34.44	32.58	30.15	50.51	112.10	0.00	0.00	0.00
715.	62.64	58.09	51.66	45.46	40.61	40.76	33.24	32.07	31.02	51.29	111.68	0.00	0.00	0.00
720.	63.98	58.98	53.78	46.66	39.46	37.80	31.29	30.78	31.63	50.02	111.34	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	62.21	58.51	51.24	46.56	39.83	38.19	30.98	31.17	31.80	47.22	110.85	0.00	0.00	0.00

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	0.00	0.00	19.85	6204.16	0.01	-0.00	-0.01	-0.32	0.00	0.00	0.00	0.00	21.00	3.37
0.	0.00	0.00	30.09	6189.73	0.01	-0.01	-0.01	0.39	0.00	0.00	0.00	0.00	21.01	-1.50
0.	0.00	0.00	40.55	6195.50	0.01	-0.01	-0.01	0.16	0.00	0.00	0.00	0.00	20.92	0.84
0.	0.00	0.00	50.80	6175.29	0.01	-0.01	-0.01	0.15	0.00	0.00	0.00	0.00	20.92	-1.85
0.	0.00	0.00	60.08	6178.18	0.01	-0.00	-0.01	0.30	0.00	0.00	0.00	0.00	20.92	-0.55
0.	0.00	0.00	70.30	6178.18	0.01	-0.01	-0.01	0.16	0.00	0.00	0.00	0.00	20.92	-0.31
5.	0.00	0.00	10.59	6207.05	0.01	-0.01	-0.01	0.30	0.00	0.00	0.00	0.00	20.87	1.91
10.	0.00	0.00	19.84	6198.39	0.01	-0.00	0.00	0.51	0.00	0.00	0.00	0.00	20.86	0.03
15.	0.00	0.00	30.08	6215.71	0.01	-0.00	0.00	0.10	0.00	0.00	0.00	0.00	20.85	2.81
20.	0.00	0.00	40.56	6238.81	0.01	-0.00	0.00	0.23	0.00	0.00	0.00	0.00	20.76	0.86
25.	0.00	0.00	50.79	6192.61	0.02	-0.00	0.00	-0.21	0.00	0.00	0.00	0.00	20.70	1.50
30.	0.00	0.00	60.07	6195.50	0.03	0.01	0.03	-0.17	0.00	0.00	0.00	0.00	20.68	1.35
35.	0.00	0.00	70.32	6224.37	0.07	0.04	0.10	-0.16	0.00	0.00	0.00	0.00	20.65	4.21
40.	0.00	0.00	10.60	6172.40	0.13	0.07	0.18	1.16	0.00	0.00	0.00	0.00	20.55	5.05
45.	0.00	0.00	19.85	6134.88	0.20	0.10	0.31	1.29	0.00	0.00	0.00	0.00	20.36	5.74
50.	0.00	0.00	30.09	6082.91	0.28	0.13	0.51	0.06	0.00	0.00	0.00	0.00	19.95	9.00
55.	0.00	0.00	40.57	5964.54	0.33	0.16	0.65	-0.51	0.00	0.00	0.00	0.00	19.39	8.24
60.	0.00	0.00	50.80	5944.33	0.48	0.19	0.84	-0.62	0.00	0.00	0.00	0.00	18.64	8.03
65.	0.00	0.00	60.09	5823.07	0.66	0.26	1.45	-0.54	0.00	0.00	0.00	0.00	17.88	9.89
70.	0.00	0.00	70.33	5742.24	0.88	0.31	1.99	-0.79	0.00	0.00	0.00	0.00	17.20	11.72
75.	0.00	0.00	10.60	5664.29	0.93	0.32	2.49	3.88	0.00	0.00	0.00	0.00	15.97	4.18
80.	0.00	0.00	19.88	5407.35	0.95	0.30	2.29	2.41	0.00	0.00	0.00	0.00	14.77	8.47
85.	0.00	0.00	30.11	5441.99	1.05	0.32	2.61	-0.96	0.00	0.00	0.00	0.00	14.21	12.94
90.	0.00	0.00	40.57	5254.34	0.99	0.29	2.43	-0.66	0.00	0.00	0.00	0.00	13.76	9.40
95.	0.00	0.00	50.81	5121.54	0.97	0.26	2.32	-0.67	0.00	0.00	0.00	0.00	13.52	14.30
100.	0.00	0.00	60.08	5084.01	1.04	0.25	2.36	-1.00	0.00	0.00	0.00	0.00	13.55	6.66
105.	0.00	0.00	70.32	4881.92	1.07	0.26	2.48	-0.86	0.00	0.00	0.00	0.00	13.75	9.19
110.	0.00	0.00	10.60	4812.63	1.12	0.26	2.62	3.99	0.00	0.00	0.00	0.00	14.05	6.56
115.	0.00	0.00	19.85	4731.79	1.08	0.24	2.41	3.02	0.00	0.00	0.00	0.00	13.83	8.11
120.	0.00	0.00	30.08	4552.80	1.19	0.25	2.70	0.95	0.00	0.00	0.00	0.00	13.87	10.56
125.	0.00	0.00	40.55	4466.18	1.20	0.22	2.55	-0.69	0.00	0.00	0.00	0.00	14.00	13.38
130.	0.00	0.00	50.79	4350.70	1.21	0.20	2.37	-0.89	0.00	0.00	0.00	0.00	14.03	9.93
135.	0.00	0.00	60.06	4281.42	1.19	0.20	2.21	-1.01	0.00	0.00	0.00	0.00	14.24	5.91
140.	0.00	0.00	70.30	4200.59	1.19	0.20	2.12	0.89	0.00	0.00	0.00	0.00	14.69	10.65
145.	0.00	0.00	10.59	4085.10	1.24	0.22	2.41	3.76	0.00	0.00	0.00	0.00	14.70	7.39
150.	0.00	0.00	19.84	3959.62	1.14	0.20	2.18	2.64	0.00	0.00	0.00	0.00	14.82	8.23
155.	0.00	0.00	30.08	3903.22	1.03	0.16	1.79	-0.18	0.00	0.00	0.00	0.00	14.74	7.25
160.	0.00	0.00	40.55	3819.50	1.08	0.17	2.01	-0.44	0.00	0.00	0.00	0.00	15.03	10.26
165.	0.00	0.00	50.79	3692.47	1.03	0.15	1.87	-0.62	0.00	0.00	0.00	0.00	15.40	11.12
170.	0.00	0.00	60.06	3654.94	0.96	0.14	1.65	0.59	0.00	0.00	0.00	0.00	15.52	12.57
175.	0.00	0.00	70.30	3530.80	0.92	0.13	1.61	0.85	0.00	0.00	0.00	0.00	15.66	11.00
180.	0.00	0.00	10.60	3470.17	0.96	0.13	1.61	3.89	0.00	0.00	0.00	0.00	15.76	12.60
185.	0.00	0.00	19.84	3392.23	0.95	0.12	1.62	3.04	0.00	0.00	0.00	0.00	16.08	11.07
190.	0.00	0.00	30.09	3268.09	1.10	0.13	1.75	0.62	0.00	0.00	0.00	0.00	16.19	10.63
195.	0.00	0.00	40.55	3117.96	1.05	0.12	1.63	-0.81	0.00	0.00	0.00	0.00	16.06	5.24
200.	0.00	0.00	50.79	3126.62	1.06	0.12	1.67	-0.86	0.00	0.00	0.00	0.00	16.22	6.73
205.	0.00	0.00	60.07	3042.90	1.02	0.12	1.63	0.57	0.00	0.00	0.00	0.00	16.10	9.43
210.	0.00	0.00	70.31	2901.43	0.93	0.12	1.53	-0.97	0.00	0.00	0.00	0.00	15.96	13.87
215.	0.00	0.00	10.60	2794.62	0.93	0.11	1.45	3.73	0.00	0.00	0.00	0.00	15.99	9.73
220.	0.00	0.00	19.85	2762.06	0.98	0.10	1.46	3.24	0.00	0.00	0.00	0.00	16.11	9.62

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	0.00	0.00	30.09	2653.15	0.88	0.10	1.36	0.10	0.00	0.00	0.00	0.00	16.28	10.54
230.	0.00	0.00	40.56	2624.28	0.82	0.09	1.21	-0.62	0.00	0.00	0.00	0.00	16.50	9.23
235.	0.00	0.00	50.81	2563.66	0.82	0.09	1.15	-0.89	0.00	0.00	0.00	0.00	16.48	8.24
240.	0.00	0.00	60.08	2477.04	0.77	0.09	1.12	-0.81	0.00	0.00	0.00	0.00	16.75	9.38
245.	0.00	0.00	70.33	2419.31	0.81	0.09	1.17	-0.68	0.00	0.00	0.00	0.00	16.85	9.07
250.	0.00	0.00	10.60	2332.69	0.75	0.07	0.99	3.53	0.00	0.00	0.00	0.00	16.98	8.34
255.	0.00	0.00	19.88	2312.49	0.78	0.03	1.02	2.47	0.00	0.00	0.00	0.00	16.94	8.64
260.	0.00	0.00	30.11	2260.52	0.75	0.03	1.03	0.78	0.00	0.00	0.00	0.00	17.06	7.65
265.	0.00	0.00	40.58	2173.91	0.72	0.03	1.04	-0.52	0.00	0.00	0.00	0.00	17.06	7.26
270.	0.00	0.00	50.82	2110.40	0.75	0.07	0.98	-0.62	0.00	0.00	0.00	0.00	17.11	5.41
275.	0.00	0.00	60.09	2029.56	0.71	0.07	0.04	-0.79	0.00	0.00	0.00	0.00	17.27	9.51
280.	0.00	0.00	70.34	1980.48	0.71	0.07	0.89	0.57	0.00	0.00	0.00	0.00	17.34	9.21
285.	0.00	0.00	10.60	1903.31	0.73	0.06	0.90	3.01	0.00	0.00	0.00	0.00	17.32	11.77
290.	0.00	0.00	19.87	1916.97	0.73	0.07	0.85	2.07	0.00	0.00	0.00	0.00	17.48	13.33
295.	0.00	0.00	30.11	1781.28	0.66	0.07	0.78	0.76	0.00	0.00	0.00	0.00	17.57	6.70
300.	0.00	0.00	40.58	1775.50	0.70	0.06	0.82	-0.71	0.00	0.00	0.00	0.00	17.56	10.54
305.	0.00	0.00	50.82	1709.10	0.61	0.06	0.72	-0.72	0.00	0.00	0.00	0.00	17.56	5.25
310.	0.00	0.00	60.09	1651.36	0.62	0.06	0.73	-0.80	0.00	0.00	0.00	0.00	17.76	9.19
315.	0.00	0.00	70.33	1602.29	0.60	0.06	0.68	-0.84	0.00	0.00	0.00	0.00	17.72	5.79
320.	0.00	0.00	10.60	1599.40	0.60	0.05	0.69	3.17	0.00	0.00	0.00	0.00	17.80	6.53
325.	0.00	0.00	19.87	1561.87	0.58	0.06	0.66	2.38	0.00	0.00	0.00	0.00	18.02	7.95
330.	0.00	0.00	30.12	1509.90	0.58	0.06	0.65	0.85	0.00	0.00	0.00	0.00	18.17	7.48
335.	0.00	0.00	40.58	1489.69	0.55	0.05	0.65	-0.56	0.00	0.00	0.00	0.00	18.09	6.28
340.	0.00	0.00	50.83	1460.82	0.55	0.05	0.57	-0.79	0.00	0.00	0.00	0.00	18.15	7.22
345.	0.00	0.00	60.09	1411.74	0.50	0.05	0.52	-0.74	0.00	0.00	0.00	0.00	18.30	6.61
350.	0.00	0.00	70.33	1409.86	0.49	0.05	0.55	-0.74	0.00	0.00	0.00	0.00	18.34	7.18
355.	0.00	0.00	10.60	1325.13	0.44	0.05	0.50	2.96	0.00	0.00	0.00	0.00	18.49	7.32
360.	0.00	0.00	19.87	1310.70	0.44	0.05	0.51	2.00	0.00	0.00	0.00	0.00	18.46	8.15
365.	0.00	0.00	30.11	1310.70	0.43	0.05	0.47	0.11	0.00	0.00	0.00	0.00	18.54	4.72
370.	0.00	0.00	40.58	1284.71	0.42	0.04	0.44	-0.62	0.00	0.00	0.00	0.00	18.63	4.82
375.	0.00	0.00	50.82	1241.41	0.42	0.04	0.42	-0.42	0.00	0.00	0.00	0.00	18.70	6.26
380.	0.00	0.00	60.10	1238.52	0.40	0.04	0.38	-0.72	0.00	0.00	0.00	0.00	18.73	7.89
385.	0.00	0.00	70.33	1177.90	0.38	0.04	0.38	-0.71	0.00	0.00	0.00	0.00	18.80	9.20
390.	0.00	0.00	10.60	1198.10	0.38	0.04	0.36	2.48	0.00	0.00	0.00	0.00	18.84	9.87
395.	0.00	0.00	19.88	1163.46	0.37	0.04	0.34	1.39	0.00	0.00	0.00	0.00	18.92	7.32
400.	0.00	0.00	30.11	1146.14	0.36	0.04	0.33	0.06	0.00	0.00	0.00	0.00	19.02	5.10
405.	0.00	0.00	40.59	1105.72	0.34	0.04	0.31	0.15	0.00	0.00	0.00	0.00	19.06	3.60
410.	0.00	0.00	50.82	1085.51	0.33	0.04	0.30	-0.86	0.00	0.00	0.00	0.00	19.16	5.42
415.	0.00	0.00	60.10	1050.87	0.33	0.04	0.30	-0.44	0.00	0.00	0.00	0.00	19.19	6.12
420.	0.00	0.00	70.34	1022.00	0.32	0.03	0.28	-0.63	0.00	0.00	0.00	0.00	19.25	4.72
425.	0.00	0.00	10.61	1039.32	0.31	0.03	0.29	2.43	0.00	0.00	0.00	0.00	19.26	6.67
430.	0.00	0.00	19.89	1039.32	0.30	0.03	0.25	1.61	0.00	0.00	0.00	0.00	19.29	4.77
435.	0.00	0.00	30.11	1013.34	0.30	0.03	0.24	0.53	0.00	0.00	0.00	0.00	19.34	4.72
440.	0.00	0.00	40.58	993.13	0.27	0.03	0.23	0.18	0.00	0.00	0.00	0.00	19.37	6.48
445.	0.00	0.00	50.82	996.02	0.27	0.03	0.23	-0.58	0.00	0.00	0.00	0.00	19.40	8.76
450.	0.00	0.00	60.10	981.58	0.26	0.03	0.21	0.16	0.00	0.00	0.00	0.00	19.43	8.54
455.	0.00	0.00	70.33	941.16	0.25	0.03	0.20	-0.59	0.00	0.00	0.00	0.00	19.48	5.33
460.	0.00	0.00	10.61	964.26	0.24	0.03	0.19	2.14	0.00	0.00	0.00	0.00	19.50	3.89
465.	0.00	0.00	19.87	961.37	0.24	0.03	0.19	1.08	0.00	0.00	0.00	0.00	19.55	3.84
470.	0.00	0.00	30.10	949.82	0.23	0.03	0.18	0.10	0.00	0.00	0.00	0.00	19.59	3.76

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	0.00	0.00	40.57	903.63	0.22	0.02	0.16	-0.52	0.00	0.00	0.00	0.00	19.65	5.92
480.	0.00	0.00	50.80	923.84	0.22	0.02	0.15	-0.17	0.00	0.00	0.00	0.00	19.69	5.47
485.	0.00	0.00	60.09	929.61	0.20	0.02	0.14	-0.48	0.00	0.00	0.00	0.00	19.74	4.41
490.	0.00	0.00	70.32	845.89	0.19	0.02	0.13	-0.58	0.00	0.00	0.00	0.00	19.77	5.46
495.	0.00	0.00	10.60	886.31	0.18	0.02	0.14	1.04	0.00	0.00	0.00	0.00	19.82	4.90
500.	0.00	0.00	19.86	906.52	0.17	0.02	0.13	1.34	0.00	0.00	0.00	0.00	19.89	3.57
505.	0.00	0.00	30.09	892.08	0.16	0.02	0.13	-0.44	0.00	0.00	0.00	0.00	19.93	2.20
510.	0.00	0.00	40.57	871.87	0.16	0.02	0.14	0.13	0.00	0.00	0.00	0.00	19.97	3.84
515.	0.00	0.00	50.80	877.65	0.15	0.02	0.13	-0.09	0.00	0.00	0.00	0.00	20.02	5.59
520.	0.00	0.00	60.07	915.18	0.15	0.02	0.13	0.32	0.00	0.00	0.00	0.00	20.09	7.22
525.	0.00	0.00	70.32	860.33	0.14	0.02	0.13	-0.47	0.00	0.00	0.00	0.00	20.14	4.84
530.	0.00	0.00	10.61	909.40	0.13	0.02	0.12	1.66	0.00	0.00	0.00	0.00	20.19	3.91
535.	0.00	0.00	19.86	909.40	0.13	0.02	0.12	1.18	0.00	0.00	0.00	0.00	20.25	2.88
540.	0.00	0.00	30.10	866.10	0.13	0.02	0.11	0.09	0.00	0.00	0.00	0.00	20.30	1.50
545.	0.00	0.00	40.57	863.21	0.12	0.02	0.11	0.07	0.00	0.00	0.00	0.00	20.37	1.14
550.	0.00	0.00	50.82	909.40	0.12	0.02	0.11	-0.74	0.00	0.00	0.00	0.00	20.42	-0.27
555.	0.00	0.00	60.08	883.42	0.12	0.02	0.11	-0.66	0.00	0.00	0.00	0.00	20.46	4.04
560.	0.00	0.00	70.32	851.66	0.12	0.02	0.10	-0.53	0.00	0.00	0.00	0.00	20.51	3.90
565.	0.00	0.00	10.60	889.19	0.11	0.02	0.10	1.51	0.00	0.00	0.00	0.00	20.54	2.59
570.	0.00	0.00	19.86	920.95	0.11	0.02	0.10	0.79	0.00	0.00	0.00	0.00	20.57	0.65
575.	0.00	0.00	30.12	871.87	0.11	0.02	0.10	0.05	0.00	0.00	0.00	0.00	20.59	3.81
580.	0.00	0.00	40.58	894.97	0.12	0.02	0.10	0.31	0.00	0.00	0.00	0.00	20.63	3.33
585.	0.00	0.00	50.82	903.63	0.11	0.02	0.10	-0.30	0.00	0.00	0.00	0.00	20.67	4.95
590.	0.00	0.00	60.09	906.52	0.11	0.01	0.10	-0.39	0.00	0.00	0.00	0.00	20.69	0.37
595.	0.00	0.00	70.32	828.57	0.10	0.02	0.10	-0.32	0.00	0.00	0.00	0.00	20.72	5.32
600.	0.00	0.00	10.60	880.54	0.10	0.02	0.10	1.40	0.00	0.00	0.00	0.00	20.72	-0.04
605.	0.00	0.00	19.85	871.87	0.10	0.02	0.10	0.72	0.00	0.00	0.00	0.00	20.73	1.32
610.	0.00	0.00	30.08	880.54	0.10	0.01	0.10	0.07	0.00	0.00	0.00	0.00	20.75	2.17
615.	0.00	0.00	40.56	871.87	0.10	0.01	0.10	-0.32	0.00	0.00	0.00	0.00	20.75	2.93
620.	0.00	0.00	50.79	866.10	0.10	0.01	0.10	0.20	0.00	0.00	0.00	0.00	20.76	5.23
625.	0.00	0.00	60.07	889.19	0.09	0.01	0.10	-0.73	0.00	0.00	0.00	0.00	20.78	2.04
630.	0.00	0.00	70.30	926.73	0.09	0.01	0.11	-0.51	0.00	0.00	0.00	0.00	20.79	2.50
635.	0.00	0.00	10.60	894.97	0.10	0.02	0.12	1.18	0.00	0.00	0.00	0.00	20.81	0.27
640.	0.00	0.00	19.85	892.08	0.09	0.01	0.13	-0.29	0.00	0.00	0.00	0.00	20.81	5.34
645.	0.00	0.00	30.09	920.95	0.09	0.01	0.13	-0.62	0.00	0.00	0.00	0.00	20.80	2.38
650.	0.00	0.00	40.56	926.73	0.09	0.02	0.12	-0.64	0.00	0.00	0.00	0.00	20.81	2.46
655.	0.00	0.00	50.81	857.44	0.09	0.02	0.13	0.32	0.00	0.00	0.00	0.00	20.81	1.25
660.	0.00	0.00	60.09	918.06	0.09	0.02	0.12	-0.07	0.00	0.00	0.00	0.00	20.82	2.64
665.	0.00	0.00	70.33	863.21	0.09	0.02	0.13	-0.36	0.00	0.00	0.00	0.00	20.82	3.28
670.	0.00	0.00	10.60	900.74	0.09	0.01	0.12	1.22	0.00	0.00	0.00	0.00	20.83	0.48
675.	0.00	0.00	19.86	874.76	0.09	0.02	0.13	0.92	0.00	0.00	0.00	0.00	20.84	5.41
680.	0.00	0.00	30.10	915.18	0.08	0.02	0.13	-0.23	0.00	0.00	0.00	0.00	20.84	0.68
685.	0.00	0.00	40.57	871.87	0.08	0.02	0.12	0.05	0.00	0.00	0.00	0.00	20.84	1.79
690.	0.00	0.00	50.81	897.86	0.09	0.01	0.12	0.11	0.00	0.00	0.00	0.00	20.85	-0.64
695.	0.00	0.00	60.07	923.84	0.08	0.01	0.12	-0.60	0.00	0.00	0.00	0.00	20.85	4.43
700.	0.00	0.00	70.32	906.52	0.08	0.01	0.12	-0.65	0.00	0.00	0.00	0.00	20.85	3.09
705.	0.00	0.00	10.60	912.29	0.08	0.02	0.11	1.37	0.00	0.00	0.00	0.00	20.85	2.11
710.	0.00	0.00	19.84	894.97	0.08	0.01	0.12	0.90	0.00	0.00	0.00	0.00	20.86	6.75
715.	0.00	0.00	30.09	900.74	0.09	0.01	0.12	0.11	0.00	0.00	0.00	0.00	20.86	1.30
720.	0.00	0.00	40.54	860.33	0.08	0.01	0.12	-0.37	0.00	0.00	0.00	0.00	20.86	4.27

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	0.00	0.00	50.79	894.97	0.07	0.01	0.11	-0.22	0.00	0.00	0.00	0.00	20.86	3.58

TIME	42	43	44	45	46	47	48
0.	-0.97	0.16	0.41	-0.26	2.30	0.00	0.00
0.	0.94	-0.57	-0.13	-1.88	-0.41	0.00	0.00
0.	-0.65	-0.14	0.93	-0.23	0.11	0.00	0.00
0.	1.25	-0.27	-0.07	0.10	-1.29	0.00	0.00
0.	-0.20	0.77	0.09	-0.49	1.66	0.00	0.00
0.	-0.36	0.06	-1.23	2.76	-2.38	0.00	0.00
5.	-0.51	-0.31	0.04	0.43	1.59	0.00	5.00
10.	1.65	-1.25	1.03	-0.60	-0.13	0.00	10.00
15.	-1.23	2.12	-0.81	-0.39	2.36	0.01	15.00
20.	1.17	-1.07	0.39	0.12	-0.54	0.00	20.00
25.	-0.24	-0.29	1.60	-0.93	1.93	0.00	25.00
30.	0.00	1.30	0.41	0.34	2.07	0.10	30.00
35.	1.63	1.00	1.45	-0.13	1.35	0.14	35.00
40.	1.75	2.48	0.06	-1.25	0.50	0.32	40.00
45.	6.89	0.22	-0.93	0.12	-0.54	0.67	45.00
50.	5.76	1.09	-0.10	1.75	-1.57	1.35	50.00
55.	2.45	4.47	0.36	-1.27	2.22	2.13	55.00
60.	7.34	-0.27	1.24	2.06	-3.71	3.10	60.00
65.	4.72	3.09	1.85	-2.58	-0.49	3.81	65.00
70.	9.31	5.67	0.56	-5.67	4.51	4.64	70.00
75.	8.97	4.16	-2.12	-0.00	2.59	6.32	75.00
80.	9.30	4.19	2.93	-2.39	-1.90	6.78	80.00
85.	8.10	7.55	-0.85	-0.46	0.91	6.88	85.00
90.	6.31	6.94	-2.77	0.72	-1.54	7.40	90.00
95.	2.94	8.37	-2.02	-3.06	0.91	7.64	95.00
100.	9.15	5.93	0.48	-3.24	-0.89	7.14	100.00
105.	7.03	5.88	-1.01	-1.37	0.90	6.95	105.00
110.	7.42	8.43	-5.33	-2.80	3.54	6.74	110.00
115.	5.02	5.05	-0.82	-2.70	3.46	7.30	115.00
120.	3.20	6.47	2.05	-2.44	1.64	6.82	120.00
125.	8.86	2.92	-0.85	1.02	2.74	7.19	125.00
130.	6.55	5.25	0.54	-2.13	1.00	6.55	130.00
135.	9.22	3.06	0.57	0.39	-1.03	6.11	135.00
140.	7.45	6.19	0.71	-1.21	-0.84	6.38	140.00
145.	6.17	7.77	-1.72	0.79	-1.39	6.00	145.00
150.	8.56	2.03	1.85	0.23	0.65	6.02	150.00
155.	10.04	3.10	1.10	1.05	-1.42	6.17	155.00
160.	8.78	5.97	-0.86	-2.38	4.88	5.73	160.00
165.	7.85	2.77	-0.19	-3.76	3.29	5.47	165.00
170.	8.69	4.89	1.96	0.49	2.00	5.29	170.00
175.	8.71	0.37	3.80	-0.68	1.06	5.12	175.00
180.	8.55	5.21	1.28	-2.34	0.42	4.92	180.00
185.	5.97	5.17	-1.15	1.86	-1.42	4.48	185.00
190.	8.57	6.41	-0.12	-1.10	2.48	4.57	190.00
195.	8.31	5.82	-3.43	1.32	1.13	4.69	195.00
200.	7.56	1.90	1.64	-4.90	5.72	4.63	200.00
205.	6.19	6.74	-1.89	1.27	0.26	4.63	205.00
210.	9.13	2.72	-0.35	-2.39	-3.15	4.48	210.00
215.	9.60	2.36	1.72	2.66	-1.54	4.64	215.00
220.	8.72	4.36	-4.00	-0.19	1.39	4.60	220.00

TIME	42	43	44	45	46	47	48
225.	6.16	4.19	1.89	-1.34	0.21	4.36	225.00
230.	7.00	2.25	2.56	-1.15	1.39	4.19	230.00
235.	8.83	3.43	0.34	-2.35	-0.49	4.01	235.00
240.	7.55	2.44	0.01	3.00	-2.67	3.78	240.00
245.	6.16	1.35	2.28	-0.32	1.23	4.01	245.00
250.	2.74	5.85	0.59	-3.82	1.74	3.79	250.00
255.	8.97	7.19	-1.78	-1.84	-0.87	3.77	255.00
260.	7.80	2.15	1.35	-1.13	-2.45	3.57	260.00
265.	9.79	6.10	0.77	-2.54	1.66	3.90	265.00
270.	10.68	1.50	-2.12	-2.32	-0.29	3.56	270.00
275.	5.53	2.22	-0.04	0.45	2.30	3.50	275.00
280.	9.19	3.83	0.55	0.88	-1.86	3.38	280.00
285.	4.43	4.46	1.79	-2.39	2.53	3.51	285.00
290.	2.88	3.39	-0.15	1.62	-0.96	3.11	290.00
295.	9.33	5.59	1.00	-2.84	0.88	3.08	295.00
300.	4.49	4.72	1.63	-1.01	-0.00	3.16	300.00
305.	6.97	0.57	0.69	1.25	-1.83	3.00	305.00
310.	4.01	5.85	-0.83	-1.09	0.48	2.96	310.00
315.	4.04	3.21	1.85	-2.08	2.48	3.00	315.00
320.	5.72	5.15	-1.90	-0.53	2.55	2.86	320.00
325.	5.29	4.24	-0.52	-1.77	-0.73	2.49	325.00
330.	6.43	2.31	-1.15	0.11	-2.79	2.57	330.00
335.	5.08	2.32	-0.01	-0.90	1.24	2.63	335.00
340.	3.66	3.99	1.25	-1.09	-1.19	2.56	340.00
345.	9.36	4.01	-1.59	1.13	-1.89	2.37	345.00
350.	3.04	3.87	1.02	-1.58	0.91	2.38	350.00
355.	4.51	3.03	1.34	-0.58	-1.52	2.28	355.00
360.	2.50	3.73	1.59	-3.76	2.32	2.20	360.00
365.	7.63	1.56	0.34	-0.93	-0.20	2.08	365.00
370.	6.34	1.47	-1.07	-1.89	-0.87	2.05	370.00
375.	4.82	2.54	-0.12	-2.04	1.30	2.00	375.00
380.	4.80	3.38	1.04	-2.54	-1.50	2.03	380.00
385.	2.20	4.69	-1.00	0.29	1.74	1.92	385.00
390.	2.33	2.63	0.55	0.41	-0.12	1.83	390.00
395.	6.17	3.92	0.43	1.47	-3.67	1.76	395.00
400.	4.75	1.37	0.24	-1.53	0.42	1.66	400.00
405.	5.98	1.83	0.07	-1.22	0.04	1.59	405.00
410.	3.79	2.98	-1.71	0.17	0.03	1.53	410.00
415.	5.34	1.09	1.73	-0.45	1.19	1.51	415.00
420.	6.42	2.95	-1.28	1.46	1.03	1.42	420.00
425.	2.84	3.76	-1.98	0.28	2.19	1.47	425.00
430.	5.20	1.08	0.42	-1.91	-1.02	1.49	430.00
435.	5.03	0.14	0.39	0.11	-2.92	1.34	435.00
440.	2.95	4.10	-1.52	0.26	-0.48	1.34	440.00
445.	0.37	3.71	-0.73	0.06	0.36	1.28	445.00
450.	0.46	2.55	0.05	-0.76	0.58	1.27	450.00
455.	1.87	4.25	-0.98	1.37	-1.90	1.22	455.00
460.	2.82	1.80	-0.58	0.09	-1.68	1.22	460.00
465.	5.17	1.22	-1.89	0.14	-1.21	1.15	465.00
470.	4.04	0.83	0.34	1.22	-0.48	1.10	470.00

TIME	42	43	44	45	46	47	49
475.	3.51	0.24	1.52	0.57	-2.05	1.07	475.00
480.	2.01	4.48	-1.96	0.09	2.19	1.01	480.00
485.	1.30	2.91	0.45	-0.79	1.45	0.96	485.00
490.	3.83	-1.26	3.26	-1.61	1.10	0.93	490.00
495.	0.83	4.06	-1.45	1.26	0.56	0.89	495.00
500.	0.54	2.85	0.88	-1.53	2.23	0.89	500.00
505.	3.60	-1.03	1.76	-1.40	-1.19	0.74	505.00
510.	0.68	3.16	1.13	-1.38	2.20	0.73	510.00
515.	0.37	0.97	0.70	-1.19	0.82	0.67	515.00
520.	-0.39	1.25	1.02	0.31	0.93	0.56	520.00
525.	3.24	-0.75	2.12	-1.11	1.29	0.54	525.00
530.	2.56	-1.61	2.70	-1.70	-0.42	0.47	530.00
535.	0.64	0.34	0.97	-0.81	-0.67	0.40	535.00
540.	3.61	-1.13	0.29	1.41	-1.48	0.35	540.00
545.	4.38	-0.54	0.08	0.59	-0.71	0.28	545.00
550.	3.78	-1.06	0.37	-1.34	-0.03	0.26	550.00
555.	1.13	1.62	-0.77	0.73	-0.28	0.19	555.00
560.	0.78	0.60	0.61	-2.63	-0.23	0.17	560.00
565.	2.68	-2.28	2.99	-1.25	1.29	0.15	565.00
570.	4.20	-2.59	2.43	0.58	-1.00	0.15	570.00
575.	3.20	-1.97	1.37	1.11	-3.05	0.10	575.00
580.	1.95	1.22	-0.20	1.29	0.35	0.08	580.00
585.	-1.57	1.87	-0.48	0.94	-2.48	0.03	585.00
590.	3.28	-0.43	1.81	-2.14	0.14	0.04	590.00
595.	0.90	-1.30	1.18	0.33	-0.02	0.03	595.00
600.	3.47	-1.84	0.54	-2.11	-1.32	0.03	600.00
605.	1.83	0.41	1.01	-0.03	-0.05	0.02	605.00
610.	2.30	0.94	-0.41	-1.28	-0.52	0.02	610.00
615.	1.92	-0.80	1.04	-0.35	-0.35	0.02	615.00
620.	-0.77	1.46	-1.00	2.79	-0.86	0.01	620.00
625.	1.94	0.77	-0.72	0.69	1.06	0.01	625.00
630.	1.96	-2.00	1.08	0.18	0.29	0.00	630.00
635.	4.71	-3.96	4.33	-3.00	1.93	0.00	635.00
640.	-1.50	2.80	-1.12	-1.84	-0.34	0.00	640.00
645.	0.03	1.11	0.54	-1.13	0.20	0.00	645.00
650.	1.73	-2.11	2.54	-0.46	-0.42	0.00	650.00
655.	1.20	-0.65	1.42	-1.94	-0.55	0.00	655.00
660.	1.32	-0.94	2.04	-0.81	1.16	0.00	660.00
665.	0.22	0.85	0.05	-0.23	2.29	0.00	665.00
670.	2.90	-0.72	-0.63	1.85	-1.54	0.00	670.00
675.	-3.16	3.03	-0.48	-1.55	0.94	0.00	675.00
680.	1.80	0.42	-0.02	-1.27	2.43	0.00	680.00
685.	2.97	-1.00	1.24	0.02	1.16	0.00	685.00
690.	-0.18	3.20	-0.80	-1.77	0.68	0.00	690.00
695.	-0.67	0.58	-0.49	0.76	-0.80	0.00	695.00
700.	0.47	-1.70	1.42	0.46	-0.18	0.00	700.00
705.	0.96	1.10	-0.25	-1.25	0.45	0.00	705.00
710.	-2.56	2.76	-1.14	1.73	0.82	0.00	710.00
715.	1.12	-0.82	0.86	-0.24	0.59	0.00	715.00
720.	-0.03	0.80	-1.03	1.62	0.26	0.00	720.00

TIME	42	43	44	45	46	47	49
725.	-1.34	3.47	-2.70	1.38	2.11	0.00	725.00

PRC17-W-4-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	24.35	-21.13	23.15	23.67	23.47	22.88	22.40	27.02	27.05	25.35	24.55	25.70	26.82	23.63
0.	24.45	136.52	23.05	23.47	23.25	22.67	22.32	26.97	27.00	25.32	24.47	25.67	26.77	23.67
0.	24.50	-70.69	23.02	23.35	23.10	22.80	22.22	27.00	26.97	25.35	24.52	25.67	26.75	23.60
0.	24.40	8.00	23.07	23.13	23.35	22.42	22.38	27.05	26.95	25.40	24.57	25.70	26.85	23.60
0.	24.45	44.39	23.20	23.20	23.42	22.72	22.17	27.00	27.00	25.35	24.52	25.65	26.77	23.63
0.	24.38	76.54	23.17	23.10	23.05	22.72	22.22	27.02	26.97	25.38	24.57	25.67	26.80	23.60
5.	33.71	77.78	32.56	24.25	24.07	23.00	22.60	33.22	42.15	36.17	33.85	34.44	35.29	31.00
10.	41.54	324.00	41.51	24.10	23.37	23.05	22.77	36.90	50.29	47.88	43.90	45.76	45.49	41.63
15.	53.46	231.75	44.80	23.72	23.20	22.92	22.82	39.12	57.68	55.15	52.76	55.73	54.34	47.83
20.	65.26	193.60	42.98	23.55	23.22	22.77	22.67	41.61	66.95	66.52	63.39	62.00	60.05	56.24
25.	75.29	194.27	58.78	23.45	23.22	23.22	22.57	46.63	83.24	78.10	76.02	70.22	66.90	61.57
30.	92.24	183.61	63.07	23.45	22.88	22.55	22.57	55.44	101.61	87.09	81.09	81.49	82.14	79.15
35.	117.07	185.10	87.55	24.27	22.40	22.27	22.38	63.33	142.10	112.71	102.41	105.58	111.93	100.10
40.	142.65	140.52	109.71	23.77	22.55	22.55	22.27	76.56	167.95	142.10	136.95	140.90	136.55	126.12
45.	192.67	235.63	127.05	23.40	22.63	22.40	22.22	82.40	197.97	166.67	165.35	168.20	166.15	152.80
50.	188.92	183.17	116.58	23.37	22.60	22.72	22.57	92.31	200.60	181.30	181.92	190.97	189.52	175.40
55.	227.92	202.15	160.85	23.70	22.90	22.77	22.30	107.41	230.67	202.58	202.52	205.02	206.66	197.70
60.	238.63	226.72	183.77	26.65	22.92	22.80	22.47	117.49	259.41	229.65	225.22	231.20	229.57	226.85
65.	274.80	245.27	191.32	24.45	22.85	22.63	22.47	128.83	274.90	253.90	256.54	258.02	248.50	239.66
70.	290.07	272.98	235.24	31.19	22.85	22.65	22.38	161.42	308.19	296.54	280.63	287.29	268.63	257.63
75.	295.17	304.73	268.58	27.27	23.20	22.57	22.27	185.12	324.69	315.29	316.21	324.64	315.40	313.49
80.	320.55	318.81	291.29	33.95	22.25	22.42	22.25	205.27	362.60	348.98	349.45	353.38	343.93	342.88
85.	328.64	348.49	279.37	32.44	22.82	22.50	22.47	231.52	390.69	369.21	369.67	368.42	361.81	349.76
90.	349.86	343.07	295.39	29.70	22.65	22.72	22.30	247.51	428.19	391.02	389.38	396.00	387.65	360.16
95.	356.59	367.74	315.02	33.61	22.55	22.52	22.22	265.44	428.28	404.45	402.17	401.28	390.43	382.33
100.	366.09	362.35	307.68	28.97	22.63	22.47	22.10	288.34	433.28	404.23	407.81	408.08	404.52	393.14
105.	389.05	370.46	341.95	34.61	22.85	22.75	22.30	311.15	454.76	402.79	402.09	403.72	401.39	400.57
110.	384.76	396.43	340.85	32.54	23.17	23.00	22.42	316.55	456.51	428.81	425.49	420.81	421.90	406.98
115.	385.48	369.30	344.95	42.93	23.13	22.92	22.30	339.54	463.49	426.90	427.62	435.71	435.49	431.67
120.	384.76	390.00	352.74	41.05	22.82	22.63	22.15	345.81	456.67	433.57	435.00	440.71	437.38	435.00
125.	402.86	399.28	342.71	43.32	22.82	22.67	22.12	355.45	480.00	435.12	433.02	433.72	436.43	437.14
130.	388.33	401.90	344.09	44.15	22.55	22.88	22.60	367.05	492.14	451.19	438.37	451.90	438.14	437.44
135.	400.24	396.19	369.33	47.63	22.90	22.77	22.32	370.14	499.28	435.35	439.76	430.93	437.62	434.88
140.	406.74	407.14	356.81	58.54	23.15	22.80	22.20	371.32	498.37	456.28	460.48	451.16	453.33	452.62
145.	405.24	407.86	356.40	89.62	22.92	22.63	22.60	388.98	499.76	456.51	454.88	456.74	460.71	456.43
150.	405.58	410.00	386.19	59.02	23.25	23.50	22.38	398.48	510.70	464.42	463.72	464.19	453.33	434.19
155.	407.91	408.33	353.88	59.12	22.97	22.95	22.52	398.21	476.28	457.67	455.12	455.81	452.56	458.33
160.	440.23	425.00	367.67	44.61	23.13	22.70	22.57	400.62	497.21	457.91	460.00	460.60	464.19	463.25
165.	435.24	423.33	365.26	57.32	23.42	23.05	22.60	409.83	497.67	462.09	461.16	464.19	469.53	451.39
170.	424.76	402.09	371.63	72.07	22.90	22.67	22.63	403.02	490.81	455.81	457.21	461.86	463.02	456.43
175.	433.72	423.33	365.81	113.76	23.52	23.15	22.80	420.78	512.32	476.05	472.09	473.95	460.93	456.98
180.	436.43	429.05	370.17	91.83	23.67	22.80	22.67	422.55	512.06	470.46	469.30	469.77	464.19	453.49
185.	434.05	430.71	385.95	58.86	23.45	22.92	22.72	425.81	523.25	470.70	468.60	471.86	463.95	465.12
190.	437.14	408.14	362.79	62.71	23.52	23.27	22.67	420.48	513.95	475.12	473.25	474.65	468.37	469.76
195.	439.77	439.05	357.86	78.29	24.35	24.05	22.77	426.55	496.74	471.86	476.20	481.90	473.25	463.25
200.	430.48	435.00	385.48	55.32	24.65	24.60	22.25	434.14	521.16	494.76	478.14	479.30	469.53	463.49
205.	437.62	402.56	388.33	41.17	24.70	23.55	22.50	437.50	510.23	497.14	496.19	491.65	498.33	475.12
210.	428.81	405.35	394.52	44.15	23.65	23.07	22.60	432.14	520.00	496.74	497.38	493.09	496.43	493.72
215.	458.81	430.48	387.62	50.88	24.13	23.45	22.67	431.32	517.14	494.42	491.16	490.23	479.53	493.09
220.	437.67	437.38	403.49	58.62	23.87	23.17	22.57	433.98	517.44	499.07	496.05	496.60	493.09	498.57

PRC17-W-4-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	436.90	438.09	356.09	52.78	24.77	23.65	22.80	436.26	513.72	501.43	500.71	493.72	494.52	479.30
230.	435.35	451.67	368.09	60.93	24.92	23.63	22.67	436.28	510.14	501.43	498.33	500.49	495.24	492.62
235.	454.28	440.71	391.90	45.44	23.97	23.02	22.55	437.72	518.84	495.58	497.30	497.86	491.90	479.30
240.	431.39	451.19	364.19	57.44	23.77	23.27	22.65	440.39	542.86	493.25	499.20	499.52	494.05	474.65
245.	453.09	440.00	391.67	44.32	23.72	23.27	23.27	452.52	529.77	497.91	492.79	492.96	492.62	492.86
250.	451.90	433.26	383.81	35.78	24.85	23.57	22.90	453.09	515.71	493.72	491.39	496.28	500.49	500.00
255.	459.28	439.30	381.43	39.90	23.95	23.10	22.90	451.69	522.32	497.21	500.95	493.95	499.33	496.43
260.	460.95	434.42	394.05	36.63	23.65	23.02	22.52	455.24	524.88	497.44	513.81	516.90	499.05	479.53
265.	435.58	438.37	402.14	36.80	24.22	22.63	22.47	457.38	518.60	498.60	496.51	515.95	512.62	499.53
270.	435.12	438.60	396.90	34.95	23.85	23.32	22.80	456.43	548.09	513.33	499.07	516.67	512.14	512.38
275.	455.95	436.90	403.81	34.61	24.67	22.92	22.85	459.28	527.21	514.76	513.33	515.00	498.60	512.38
280.	458.81	437.21	391.19	56.10	24.88	24.07	22.90	458.33	520.00	514.05	500.00	516.90	512.14	519.52
285.	453.25	453.57	409.52	40.05	24.02	23.37	22.50	458.70	543.33	513.81	499.07	515.00	498.84	514.05
290.	433.02	437.44	399.76	40.10	24.70	23.27	22.50	452.56	518.14	513.33	512.38	510.33	496.98	495.12
295.	430.93	440.23	387.38	36.39	23.75	23.30	22.60	453.02	523.25	512.86	512.86	515.95	493.95	494.88
300.	453.49	433.26	391.90	42.78	24.13	23.45	22.80	453.25	527.44	511.63	521.67	511.86	499.30	499.53
305.	454.65	435.81	403.02	65.33	24.20	23.35	23.17	452.32	511.86	519.52	517.62	510.33	500.00	496.35
310.	440.00	438.60	403.57	51.44	23.95	23.27	23.10	455.12	520.93	514.76	513.57	516.19	497.67	498.84
315.	458.14	431.16	404.42	48.54	23.90	23.22	23.25	454.42	542.79	519.28	518.09	515.49	494.42	500.95
320.	464.19	431.39	402.79	56.61	23.92	23.52	23.17	453.02	529.30	515.00	513.57	512.86	501.43	496.43
325.	434.42	433.49	408.81	49.51	24.27	23.97	23.05	456.20	523.95	517.62	514.05	515.49	495.81	497.21
330.	455.35	455.00	404.52	52.58	23.82	23.25	23.35	456.05	517.62	498.84	513.57	520.95	513.81	497.21
335.	451.63	453.81	402.86	47.44	24.88	23.55	23.30	454.65	519.77	499.53	497.21	513.57	499.30	514.05
340.	459.52	433.72	398.81	42.15	24.35	23.37	23.13	456.98	518.84	519.28	513.09	516.19	496.05	499.52
345.	456.67	440.00	406.19	52.98	25.17	23.47	22.95	456.98	512.79	512.86	499.30	513.57	495.81	495.12
350.	451.19	458.81	410.48	42.78	24.55	24.35	23.25	459.07	516.05	518.33	512.86	514.52	493.95	495.12
355.	456.98	454.65	390.95	36.76	23.45	23.37	22.65	460.23	516.51	517.62	515.48	517.86	515.24	515.00
360.	458.57	454.28	403.49	103.15	23.87	23.47	22.70	459.53	517.44	514.28	514.28	515.71	495.35	493.25
365.	457.91	458.33	409.76	73.61	24.25	23.80	22.72	456.98	515.58	516.19	515.24	514.05	494.19	492.09
370.	451.19	439.30	403.57	52.98	23.72	23.40	22.60	459.30	543.09	519.52	517.14	516.43	493.72	494.42
375.	452.09	438.84	366.98	58.34	23.47	23.47	22.82	460.46	520.23	521.67	518.81	517.86	515.48	500.00
380.	452.79	459.76	403.57	58.71	23.85	23.13	22.77	457.67	520.46	498.84	512.62	514.76	497.21	495.35
385.	451.43	439.07	407.67	57.68	23.35	23.40	23.15	461.86	545.71	515.48	514.52	517.38	497.44	500.00
390.	453.25	456.67	403.02	46.44	24.90	23.75	23.13	460.70	520.46	499.77	498.60	495.35	495.71	497.62
395.	451.16	436.05	401.39	50.15	24.57	23.72	23.35	458.14	521.43	515.00	520.24	515.00	497.67	497.21
400.	460.00	438.37	409.52	38.56	24.35	23.25	23.22	460.93	524.19	517.14	516.67	520.95	497.91	495.12
405.	453.72	458.57	406.90	41.51	24.13	23.57	22.97	462.56	529.53	510.23	515.95	520.24	498.14	497.21
410.	454.52	431.39	398.09	37.15	24.63	23.32	22.90	462.79	517.44	516.67	513.09	514.76	493.49	493.49
415.	455.58	438.14	404.52	36.82	24.80	23.27	23.00	462.09	527.67	515.71	500.00	514.52	496.05	492.32
420.	452.09	460.71	400.24	35.00	23.47	23.13	23.40	462.32	517.44	510.23	510.81	510.46	518.09	492.79
425.	452.14	431.16	395.48	35.17	23.55	23.77	23.15	462.32	517.91	518.57	497.21	512.14	494.19	501.67
430.	457.67	459.28	402.09	48.24	23.80	23.25	23.05	462.09	526.05	521.67	521.90	511.16	514.20	512.86
435.	432.79	453.09	408.84	40.05	23.77	23.35	22.85	465.50	518.14	517.86	517.14	514.76	495.51	513.09
440.	453.02	434.19	391.67	40.24	24.27	23.63	23.97	461.86	511.16	514.28	497.91	497.44	491.86	492.09
445.	440.00	434.42	408.09	44.76	24.45	23.77	23.37	462.79	521.86	518.81	499.77	498.37	493.95	493.72
450.	440.23	433.26	403.49	37.02	24.80	23.67	23.10	462.32	518.01	499.53	494.88	493.95	501.43	492.09
455.	460.48	454.52	400.95	33.73	23.67	23.67	22.90	460.93	520.00	493.25	494.42	499.53	494.19	491.39
460.	452.09	437.86	392.38	36.56	23.87	23.47	22.82	458.60	521.43	496.74	495.81	498.60	497.21	492.79
465.	457.14	459.52	400.95	40.76	24.55	23.10	22.70	459.77	520.71	496.74	493.49	493.95	495.24	497.62
470.	460.24	430.93	394.76	52.39	23.87	23.77	22.70	459.30	513.25	514.05	494.65	495.35	490.70	496.33

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	307.56	289.61	91.48	24.40	23.57	22.10	22.30	218.65	317.05	308.85	313.78	313.00	312.95	308.10
480.	295.98	288.83	134.80	24.52	24.25	22.25	22.42	222.88	312.06	312.76	313.63	313.34	307.19	309.32
485.	293.76	289.46	170.57	24.75	23.60	22.60	22.77	219.17	317.95	307.32	310.57	310.64	310.56	310.34
490.	303.68	288.51	172.10	24.92	24.27	22.27	22.22	220.87	316.78	313.05	311.02	311.71	314.78	309.37
495.	294.12	291.73	174.72	24.22	22.95	22.35	22.15	220.20	318.71	310.22	316.19	313.26	315.68	309.34
500.	305.12	290.58	180.02	24.38	23.60	22.07	22.32	222.38	322.86	317.85	312.50	310.38	311.93	304.73
505.	297.10	292.24	159.42	24.55	23.27	22.02	22.12	223.45	319.40	315.66	312.05	315.45	313.39	307.19
510.	292.29	282.73	160.72	24.72	24.38	22.07	22.25	225.17	318.19	311.32	311.71	313.21	312.90	310.27
515.	292.36	294.56	227.32	24.30	22.82	22.45	22.12	223.67	315.69	314.90	313.80	316.10	308.15	307.93
520.	291.90	285.07	171.15	24.75	23.35	21.92	22.12	222.77	316.66	313.00	317.34	317.00	313.37	307.51
525.	291.02	286.76	175.57	25.30	24.10	22.22	22.15	222.85	322.76	306.63	316.34	313.43	309.76	312.58
530.	292.33	289.73	175.95	24.52	22.95	22.47	22.63	223.15	312.00	315.17	312.43	315.73	305.90	308.63
535.	314.27	290.07	148.05	24.88	24.42	22.65	22.57	223.85	319.59	311.66	317.41	310.98	312.80	314.56
540.	305.19	289.80	140.17	24.57	23.25	22.40	22.57	226.17	317.26	311.10	315.58	315.66	308.27	313.29
545.	297.17	291.22	163.50	24.10	23.52	22.25	22.22	223.60	315.52	313.85	315.50	319.09	314.05	315.49
550.	295.85	290.07	144.27	24.15	23.02	21.88	22.20	225.57	313.90	308.46	314.29	317.80	311.02	312.10
555.	296.29	284.90	172.60	24.32	24.15	22.30	21.95	223.45	316.00	307.02	313.98	312.14	312.54	313.98
560.	293.45	286.32	146.25	24.57	24.75	22.10	22.05	223.45	314.73	314.85	316.85	311.00	309.51	308.40
565.	295.22	287.22	142.15	24.60	23.72	22.25	22.07	226.57	311.76	312.22	312.74	311.62	305.90	291.81
570.	295.73	274.49	162.35	24.02	22.60	22.32	22.22	225.25	313.43	308.37	310.83	311.34	304.02	293.90
575.	291.76	281.49	121.27	23.75	23.27	22.20	22.07	223.12	315.63	305.73	310.41	312.00	292.14	297.49
580.	296.37	284.56	125.17	23.00	22.88	21.97	22.02	222.92	312.90	311.27	315.00	313.00	303.58	301.66
585.	293.39	286.78	150.05	23.70	22.47	21.97	21.90	222.22	314.76	308.34	310.51	312.05	304.90	304.56
590.	287.80	279.95	146.80	24.60	24.25	22.00	21.80	222.85	312.19	304.29	303.83	304.73	293.12	301.71
595.	286.58	277.54	201.07	25.38	22.57	21.85	22.00	224.47	306.95	301.49	310.68	311.27	291.17	293.78
600.	281.44	279.39	159.05	24.72	23.77	23.02	22.88	223.20	308.90	291.00	302.02	305.88	293.43	293.05
605.	291.19	273.78	133.90	25.42	25.00	23.50	22.80	221.77	306.17	294.10	292.59	293.98	296.27	294.14
610.	287.46	273.95	126.32	25.45	23.97	22.22	22.42	222.35	311.90	291.61	292.19	293.98	290.29	292.41
615.	278.58	275.76	161.42	24.92	23.55	22.05	22.20	222.00	302.29	296.29	292.49	291.48	290.78	293.49
620.	282.61	268.17	170.45	24.30	23.42	22.17	22.10	219.45	301.73	289.93	295.12	291.17	287.63	288.05
625.	281.22	273.10	121.56	24.97	24.30	21.97	22.02	221.67	291.97	290.37	297.51	292.02	288.66	287.03
630.	280.73	271.83	138.35	25.30	24.17	21.95	22.20	220.02	294.00	293.56	291.07	302.51	290.80	286.83
635.	285.76	273.66	154.70	25.42	24.07	22.07	22.05	220.07	297.45	288.73	293.54	295.63	291.02	292.51
640.	272.19	260.07	144.70	25.35	24.02	22.00	22.22	217.72	288.15	285.54	287.24	289.05	281.02	284.32
645.	277.41	266.66	108.37	25.75	25.13	22.25	22.25	217.32	290.71	286.29	290.63	292.90	285.98	292.05
650.	266.71	260.24	154.25	25.25	23.97	22.50	22.49	215.22	292.73	282.98	285.37	288.56	283.49	279.66
655.	269.66	262.80	104.95	24.47	23.37	22.30	22.57	214.70	286.44	277.85	281.07	282.37	278.66	283.12
660.	264.51	260.49	84.14	24.30	22.57	22.22	22.45	214.15	278.85	278.34	278.85	277.66	271.73	273.73
665.	270.15	259.98	116.73	24.60	23.75	22.17	22.45	206.51	277.22	271.32	277.41	276.00	265.76	268.15
670.	260.56	255.85	159.38	24.80	22.80	22.20	22.40	205.73	274.85	270.93	276.56	277.56	267.00	264.95
675.	257.80	256.88	151.60	24.80	23.65	22.32	22.38	203.44	274.66	268.76	268.70	269.80	265.37	265.12
680.	261.85	250.88	152.32	24.05	23.15	22.38	21.95	203.58	273.71	264.54	271.83	277.12	271.27	270.39
685.	250.34	249.15	122.61	23.92	23.02	22.75	22.32	202.37	270.39	263.95	268.98	271.44	266.39	266.24
690.	254.44	247.29	92.71	24.10	22.82	22.55	22.63	202.78	264.56	260.98	263.12	265.95	258.83	265.44
695.	251.90	242.10	112.58	24.77	24.15	22.35	22.47	201.41	259.19	257.73	262.37	265.56	259.68	251.68
700.	247.63	244.56	111.39	24.85	23.55	23.02	22.85	203.25	258.76	257.27	260.24	261.05	257.41	260.27
705.	240.44	239.46	94.55	25.25	24.47	23.60	22.17	202.42	254.80	251.78	256.83	257.32	250.27	246.17
710.	238.34	229.37	109.51	24.82	24.02	23.02	21.72	202.05	251.46	249.07	245.17	244.39	240.58	237.73
715.	234.73	232.35	87.98	25.05	24.50	22.10	21.88	201.13	243.27	241.71	238.98	238.37	234.66	234.85
720.	229.93	229.82	128.22	24.15	22.82	21.85	22.17	198.60	237.05	234.61	236.56	230.78	233.73	235.34

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	233.42	229.05	119.73	23.47	22.77	22.17	22.02	197.50	239.60	238.39	236.76	237.95	235.51	236.02
730.	228.42	228.32	113.90	24.27	22.63	21.92	22.02	196.15	234.76	233.61	233.73	233.71	230.73	229.83
735.	226.95	222.02	145.02	25.05	22.80	22.32	22.25	195.07	233.49	228.05	231.58	231.73	232.30	228.02
740.	226.20	224.17	114.17	25.07	23.95	22.88	22.10	193.63	228.27	232.85	231.47	231.67	226.20	224.05
745.	218.30	214.65	157.92	24.52	22.67	22.07	22.02	192.67	231.60	229.63	228.95	227.92	224.02	223.82
750.	219.90	207.41	120.98	23.97	23.25	22.05	22.10	190.57	228.67	225.22	224.45	225.15	221.75	221.22
755.	217.52	205.63	116.83	24.45	23.72	22.12	22.25	188.67	222.02	219.57	220.20	219.38	217.35	216.15
760.	200.02	203.05	109.19	24.17	23.17	22.30	22.22	186.92	219.52	218.17	220.47	218.63	209.29	208.65
765.	204.83	204.46	81.09	24.07	22.25	22.00	22.20	185.47	220.00	217.90	215.85	215.17	206.27	206.07
770.	201.73	202.10	112.98	23.97	22.05	21.92	22.15	184.38	216.17	207.51	207.49	207.05	203.85	203.56
775.	202.32	193.49	100.10	24.02	22.25	22.52	22.02	183.17	207.50	205.15	204.85	203.61	202.34	201.61
780.	198.98	200.22	101.07	23.63	22.70	22.60	22.07	182.67	205.66	203.56	201.56	201.49	199.95	200.02
785.	200.10	197.80	110.88	23.77	23.20	22.20	21.90	181.00	201.95	200.41	200.29	200.71	199.19	202.92
790.	199.52	195.50	97.50	24.85	23.02	21.85	21.82	180.15	199.37	203.07	202.35	201.75	200.15	199.30
795.	198.35	191.37	102.29	24.80	23.17	22.02	22.10	179.45	203.07	202.45	201.13	200.27	199.17	199.77
800.	194.55	191.77	105.02	24.35	24.07	21.97	21.80	178.10	199.25	198.85	198.52	197.70	196.25	197.50
805.	191.85	187.97	91.67	24.05	24.40	22.17	22.05	176.55	197.05	196.00	196.02	194.65	192.50	193.67
810.	189.80	182.60	90.76	24.38	23.49	22.05	22.12	175.42	195.27	194.42	193.63	193.32	191.67	192.67
815.	186.00	185.67	59.12	24.17	23.85	22.07	22.20	174.57	193.12	191.65	191.02	190.47	189.32	190.60
820.	186.40	180.92	62.69	23.60	23.25	22.22	22.17	173.10	190.20	190.45	189.40	188.97	189.17	189.85
825.	184.15	182.77	84.64	23.63	23.00	22.05	21.92	171.57	187.32	186.65	186.02	186.85	186.45	186.83
830.	182.65	179.47	53.56	23.90	23.70	21.97	21.90	170.75	187.15	186.07	184.02	184.10	183.22	182.22
835.	180.38	176.57	78.14	24.42	24.15	21.97	22.02	169.95	184.42	183.97	183.75	183.10	181.60	180.95
840.	179.35	172.70	78.59	24.55	24.27	22.75	21.89	169.13	182.72	182.67	182.02	180.32	179.92	181.10
845.	177.07	173.80	55.22	24.75	24.00	22.27	22.35	168.22	181.57	179.57	178.80	178.15	178.32	179.17
850.	175.10	172.77	39.88	24.72	24.07	22.55	22.52	166.92	179.90	179.07	178.97	177.75	178.60	178.22
855.	174.42	173.52	57.24	24.17	23.72	22.70	22.70	166.07	178.87	177.62	177.75	177.47	177.80	177.22
860.	174.35	167.82	55.98	23.77	22.95	21.97	21.82	165.20	177.67	176.65	176.88	176.95	176.50	175.55
865.	173.17	168.80	78.88	23.57	22.82	22.15	22.00	164.22	175.87	175.15	175.70	175.42	175.72	174.80
870.	171.52	168.82	72.15	23.77	23.07	22.25	22.15	163.32	173.95	173.20	173.87	173.10	172.62	171.75
875.	169.52	167.38	56.00	23.95	24.32	22.63	22.17	162.55	172.00	171.65	171.65	171.50	171.55	171.63
880.	168.17	163.42	58.17	24.47	24.80	22.52	22.38	161.95	171.10	170.22	170.50	170.77	171.20	171.10
885.	167.02	165.12	66.26	24.77	24.75	22.20	22.20	161.22	170.67	169.62	169.55	169.97	170.30	170.75
890.	166.20	166.65	66.19	24.88	23.87	22.32	22.30	160.67	169.35	168.42	168.10	168.57	169.10	169.50
895.	165.47	162.50	42.83	24.77	24.57	23.07	22.27	159.85	168.45	167.82	167.20	167.07	167.30	167.35

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	25.52	25.50	25.30	24.90	25.70	25.22	24.40	24.05	24.45	25.67	25.42	23.92	23.90	23.37
0.	25.67	25.38	25.17	24.85	25.60	25.17	24.25	24.07	24.57	25.65	25.47	23.82	23.75	23.40
0.	25.60	25.32	25.17	24.80	25.50	25.13	24.20	24.05	24.63	25.67	25.45	23.72	23.67	23.37
0.	25.45	25.30	25.07	24.82	25.57	25.10	24.15	23.97	24.45	25.75	25.47	24.15	23.85	23.42
0.	25.35	25.20	24.95	24.95	25.22	25.22	24.22	23.97	24.13	25.82	25.47	23.92	23.47	23.40
0.	25.20	25.13	25.02	25.00	25.10	25.20	24.22	23.90	24.00	25.75	25.47	23.85	23.63	23.45
5.	25.85	25.85	25.75	25.70	25.35	25.72	24.40	24.42	24.42	26.40	26.70	24.13	23.87	23.30
10.	29.83	29.75	28.82	27.32	26.85	26.75	24.67	24.42	24.65	26.65	27.10	24.15	24.15	23.35
15.	31.29	31.44	30.46	29.62	27.17	26.57	24.75	24.27	25.00	26.70	27.40	24.42	24.32	23.45
20.	34.90	32.88	31.19	29.70	26.82	26.60	24.80	24.20	24.80	26.85	27.63	24.85	24.10	23.50
25.	37.39	35.76	34.68	30.80	26.65	26.50	25.38	24.40	24.52	26.92	28.13	24.40	23.90	23.57
30.	37.37	37.73	36.54	30.00	26.75	26.88	25.67	24.60	24.35	27.05	28.47	24.50	23.85	23.57
35.	38.17	37.93	36.02	31.61	29.76	28.25	25.25	24.75	24.50	27.17	28.82	24.15	24.13	23.57
40.	39.85	38.80	38.37	34.58	30.10	29.00	25.82	24.63	24.55	27.30	29.00	23.97	24.50	23.63
45.	40.93	39.17	38.90	35.29	30.68	28.35	25.72	24.80	24.63	27.40	29.50	24.42	24.45	23.72
50.	45.12	43.85	42.15	36.34	32.83	28.82	25.82	24.82	24.55	27.60	29.46	24.38	24.30	23.72
55.	47.58	47.61	46.07	39.49	31.07	28.55	25.95	24.92	24.77	27.80	29.37	24.82	24.35	23.77
60.	51.46	48.51	47.37	42.44	32.10	29.30	26.55	24.95	25.30	27.97	30.73	24.88	24.70	23.87
65.	56.10	54.58	51.41	46.17	34.66	30.00	27.85	25.20	25.30	28.35	31.61	24.67	24.42	23.82
70.	56.85	57.17	55.54	49.98	35.32	30.49	27.50	25.82	25.22	28.77	33.39	24.90	24.85	23.82
75.	61.86	59.57	59.52	54.80	39.15	32.29	29.02	27.00	25.42	29.50	35.10	25.27	25.20	23.90
80.	74.90	67.12	61.88	53.93	41.39	33.66	28.90	26.95	25.70	29.78	36.66	25.50	25.42	24.00
85.	82.59	79.63	73.90	51.76	42.71	36.09	29.97	27.17	26.32	31.02	39.00	25.65	25.70	24.13
90.	95.24	89.59	81.90	55.37	43.93	38.22	29.98	27.20	26.45	32.71	42.17	26.20	25.85	24.38
95.	110.85	101.51	86.45	57.95	48.68	40.83	31.32	28.05	27.27	33.93	44.63	26.63	26.30	24.60
100.	117.88	110.22	102.80	72.05	50.88	41.34	31.41	27.97	27.75	36.15	52.27	27.10	26.65	24.85
105.	144.12	135.20	108.90	82.12	58.69	44.88	32.05	28.32	28.60	38.80	56.05	27.90	28.02	25.15
110.	163.35	149.82	138.92	88.62	55.44	49.41	34.80	29.50	29.10	42.49	60.19	27.30	27.57	25.25
115.	195.47	176.20	162.20	112.88	58.90	52.27	35.61	30.03	30.15	47.32	74.83	29.62	29.82	25.55
120.	197.67	183.13	161.35	113.46	70.98	55.76	39.41	31.29	31.10	51.80	81.69	29.78	29.41	26.02
125.	229.37	224.02	204.58	139.77	63.88	59.93	40.85	32.66	32.15	58.63	87.43	29.73	30.68	26.57
130.	235.34	218.55	191.60	139.38	69.76	60.36	42.98	34.34	33.49	62.74	95.71	31.37	31.37	27.10
135.	262.39	235.39	200.05	137.60	67.21	63.90	42.78	34.80	34.56	70.54	106.24	31.63	31.66	27.78
140.	276.76	255.95	226.67	124.46	66.33	67.69	42.63	35.71	35.98	76.05	113.66	33.58	33.44	28.37
145.	264.05	241.88	221.42	147.40	73.37	72.46	44.32	37.32	37.63	79.79	120.07	33.85	33.80	29.07
150.	276.49	237.76	206.85	151.22	72.34	77.39	44.37	38.39	38.15	83.55	122.80	34.15	34.09	29.77
155.	280.32	257.17	226.02	154.65	77.90	79.22	45.85	40.46	38.02	87.81	128.68	35.51	35.95	29.70
160.	275.15	251.37	225.57	148.65	78.32	79.98	49.56	41.58	40.44	90.12	136.47	37.05	37.19	30.37
165.	296.19	265.00	234.15	153.57	79.24	78.91	53.76	39.95	41.93	94.17	142.65	37.22	37.10	30.70
170.	289.66	262.54	224.52	159.82	86.50	83.12	53.76	41.88	40.51	95.83	145.65	38.46	37.83	31.44
175.	284.22	266.58	229.39	154.85	87.14	85.26	55.24	44.05	41.32	102.05	149.80	37.98	37.51	32.02
180.	290.32	271.66	232.49	158.60	90.52	88.79	54.98	42.63	44.17	105.51	151.72	39.02	37.56	32.63
185.	291.66	266.61	230.88	160.97	86.81	88.05	55.95	46.15	43.93	108.17	153.20	39.65	38.10	33.07
190.	302.71	273.07	231.85	158.27	90.26	88.29	55.76	46.98	44.63	109.37	157.60	41.95	41.71	33.56
195.	291.74	282.32	259.76	151.30	89.93	85.36	56.88	47.83	43.27	113.19	160.77	40.05	39.07	34.22
200.	289.73	258.85	231.42	156.35	91.86	86.93	60.59	45.15	44.76	110.54	161.50	40.56	40.12	34.58
205.	290.19	275.41	236.12	144.95	85.57	90.36	58.43	48.24	43.40	109.76	163.52	41.34	41.76	34.90
210.	280.54	269.27	245.39	159.88	81.71	88.38	59.24	47.58	46.34	110.39	166.65	42.98	43.44	35.54
215.	291.31	261.22	230.54	159.27	82.88	90.81	61.21	48.85	45.98	110.95	167.60	43.17	43.88	35.95
220.	292.36	281.27	249.76	155.90	91.69	9..09	62.09	49.88	45.44	111.98	169.77	41.73	41.61	36.45

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	293.02	279.39	246.90	169.95	95.67	93.81	63.21	45.37	47.17	115.34	170.57	44.85	43.12	36.58
230.	294.58	276.93	240.78	175.15	101.12	92.48	62.50	48.07	46.80	115.63	172.38	42.32	43.07	37.00
235.	290.90	262.22	229.58	159.67	101.07	91.86	59.24	48.34	47.99	117.44	175.05	43.05	43.02	37.39
240.	295.29	265.80	240.34	167.75	94.05	93.31	59.07	50.44	48.12	116.12	177.82	43.56	43.34	37.63
245.	297.51	272.49	236.22	158.90	96.02	95.81	61.48	53.56	50.68	119.00	174.35	47.37	45.00	37.90
250.	290.15	261.85	229.90	163.32	89.69	96.36	65.76	51.56	50.85	117.76	176.92	44.44	44.63	38.49
255.	296.34	270.46	256.32	165.30	86.59	97.12	65.31	51.05	50.49	120.95	180.17	45.19	45.56	38.76
260.	293.50	270.95	233.22	164.85	89.45	97.62	65.62	51.29	51.95	122.73	182.77	47.08	44.90	38.85
265.	293.76	277.41	254.37	154.02	89.98	92.09	61.95	52.61	49.78	118.58	181.67	45.07	45.56	39.37
270.	297.46	280.61	232.51	160.55	101.22	92.95	60.05	53.58	49.78	118.58	181.80	46.05	44.85	39.49
275.	293.43	285.44	240.34	159.77	102.30	105.68	63.21	47.63	48.10	120.61	181.52	45.00	43.90	39.54
280.	292.78	270.41	231.46	170.05	102.05	101.39	65.21	47.98	50.32	120.73	184.77	46.03	45.68	39.83
285.	289.90	268.95	231.52	161.13	91.48	95.48	63.02	52.58	51.85	122.10	186.00	46.39	45.54	39.95
290.	292.07	272.85	233.83	157.92	95.83	95.09	65.02	54.12	50.32	124.80	187.07	46.56	46.98	40.22
295.	285.34	264.58	230.32	152.45	100.07	101.56	71.17	54.12	52.34	124.71	187.63	46.22	44.95	40.71
300.	284.66	265.12	229.78	158.07	107.39	91.38	63.29	55.76	52.46	125.66	185.32	50.58	48.85	40.80
305.	292.34	269.83	227.88	156.20	112.22	92.21	63.86	51.32	51.95	125.41	187.67	46.56	45.51	41.10
310.	290.68	285.83	259.71	163.47	105.17	89.45	64.59	56.76	52.41	124.61	186.00	47.10	46.24	41.15
315.	297.05	270.46	244.76	165.17	102.37	94.93	64.17	55.34	52.05	125.93	189.07	43.32	47.15	41.07
320.	297.46	284.85	251.88	164.13	106.32	95.64	65.79	54.56	52.70	127.05	190.05	46.10	45.83	41.07
325.	286.00	268.90	245.29	148.27	113.71	96.40	65.48	55.56	55.12	133.82	188.50	50.19	49.61	41.05
330.	279.22	267.76	246.39	170.32	105.76	94.76	66.19	56.29	55.22	126.83	188.67	47.76	48.29	41.29
335.	297.19	262.17	231.67	171.00	109.29	90.62	64.57	53.63	56.02	128.93	190.25	48.44	47.73	41.95
340.	292.88	267.44	247.93	167.85	103.44	90.59	61.38	56.37	54.51	127.88	192.20	48.02	47.80	42.22
345.	297.05	273.22	252.24	159.82	107.29	94.76	65.26	52.76	51.70	123.61	192.42	46.05	45.34	42.02
350.	284.63	262.61	235.58	156.05	111.00	10..56	64.48	51.27	52.95	125.90	190.63	45.27	46.85	41.85
355.	289.88	264.78	231.34	159.22	105.93	97.59	65.55	50.02	55.63	128.44	192.92	47.73	46.29	41.61
360.	287.07	266.44	230.49	168.15	106.02	101.12	70.41	57.32	57.85	129.12	193.80	47.66	50.00	41.76
365.	294.19	263.00	238.44	156.13	109.83	105.12	74.12	58.34	54.90	128.12	194.00	51.51	51.76	42.05
370.	295.54	269.98	236.46	158.07	104.51	104.88	64.90	58.24	57.88	129.46	194.00	48.88	53.00	42.29
375.	284.83	263.78	234.34	170.57	94.90	102.98	65.40	55.56	55.66	135.02	194.32	49.58	50.15	42.54
380.	279.37	275.51	261.76	162.38	111.63	106.73	64.74	57.34	56.95	137.57	194.07	46.56	47.46	42.80
385.	288.61	278.44	259.49	167.70	115.66	96.52	64.29	57.86	58.80	134.80	193.70	51.19	51.12	43.12
390.	287.56	269.10	243.51	174.57	114.19	95.31	67.64	58.54	57.51	133.65	195.25	49.29	51.44	43.70
395.	280.49	258.12	234.93	169.45	114.58	97.31	71.41	59.02	59.15	138.25	196.70	50.19	50.12	43.68
400.	287.63	262.15	229.80	167.05	112.68	94.57	65.88	58.61	57.49	142.00	198.02	52.80	49.80	43.80
405.	290.32	276.29	249.88	161.52	111.85	97.19	69.56	57.49	56.39	143.63	198.52	49.93	49.41	44.56
410.	302.10	268.76	237.12	169.92	113.46	102.44	64.45	56.05	56.80	140.55	199.52	53.98	51.54	44.63
415.	284.93	266.17	245.61	177.12	115.78	100.08	65.07	55.39	56.73	136.47	199.13	50.12	51.90	44.85
420.	292.93	272.02	245.02	180.02	105.68	109.78	71.61	59.05	57.44	133.37	200.15	49.05	51.34	44.73
425.	294.15	271.54	255.95	169.35	117.22	106.95	67.81	61.69	58.34	136.67	200.50	52.10	51.49	44.90
430.	305.22	277.68	257.46	180.72	117.61	101.34	70.93	58.88	57.70	137.80	202.50	52.71	51.44	45.07
435.	306.22	283.00	248.88	177.52	115.95	106.37	73.76	58.45	57.19	135.95	202.55	51.19	50.27	45.17
440.	303.17	280.83	241.12	183.60	106.44	107.78	74.39	61.48	57.71	138.47	198.63	50.51	50.56	45.37
445.	284.12	275.71	249.39	168.47	112.73	111.39	70.41	59.52	59.40	141.85	201.82	54.32	54.85	45.68
450.	289.46	272.12	241.88	170.00	112.63	107.05	72.29	56.63	58.95	145.05	198.73	50.27	51.24	45.88
455.	292.85	274.66	251.83	179.82	114.85	107.00	76.54	59.93	58.32	138.70	201.41	53.88	52.07	46.02
460.	286.12	264.54	243.66	194.42	116.93	102.85	73.46	58.95	57.54	141.42	199.98	51.80	51.66	45.76
465.	295.93	271.07	251.83	186.00	121.12	106.68	73.78	57.66	58.00	142.30	200.54	54.66	51.00	45.49
470.	293.00	273.46	249.29	195.07	119.34	105.80	71.49	59.59	59.17	138.85	201.07	55.00	52.98	45.70

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	301.83	289.98	261.19	191.07	121.61	105.22	74.93	60.64	61.05	146.02	202.00	51.12	53.00	46.19
480.	291.10	279.76	267.10	195.63	126.49	102.41	72.71	61.90	59.49	145.77	204.44	55.08	54.98	46.44
485.	294.76	279.71	261.88	199.42	121.41	109.93	71.85	60.45	60.12	146.85	202.80	53.02	52.66	46.85
490.	296.44	278.61	262.19	192.63	125.76	109.41	72.93	61.67	59.31	146.42	205.32	53.90	53.88	46.73
495.	292.24	287.10	272.85	192.77	128.05	110.12	75.00	60.29	58.33	145.32	205.60	52.90	54.10	46.80
500.	284.58	274.54	255.56	192.70	122.61	108.29	73.76	59.17	58.56	148.00	206.71	53.51	52.44	47.19
505.	303.37	279.78	253.80	198.45	124.44	107.49	73.76	59.88	58.26	145.32	205.88	54.34	52.93	47.15
510.	292.09	287.15	261.68	192.42	127.27	108.51	74.63	63.67	60.00	144.45	205.56	56.37	54.71	47.51
515.	305.56	283.41	261.12	187.85	119.39	111.39	78.41	63.31	58.46	148.07	207.27	55.17	52.61	47.46
520.	304.49	284.90	262.19	175.80	121.66	112.07	79.05	61.40	59.69	151.02	206.05	58.40	55.44	47.71
525.	297.78	290.22	255.41	198.32	128.00	110.07	75.71	62.33	62.33	151.02	207.39	56.22	56.93	47.80
530.	290.74	280.78	258.44	201.60	135.32	112.56	76.76	62.02	60.48	152.02	207.80	51.46	54.61	48.05
535.	292.95	290.24	266.56	196.22	139.22	107.88	76.44	63.31	60.93	151.32	207.70	57.32	55.58	48.15
540.	306.39	273.07	242.39	191.35	136.27	110.02	73.85	62.76	61.08	151.72	214.45	55.12	56.29	49.22
545.	301.95	280.83	255.80	190.00	120.98	109.58	74.66	64.05	62.14	151.20	214.05	56.05	58.71	48.22
550.	311.95	285.56	249.98	189.97	119.02	109.22	75.41	62.57	63.02	153.35	213.82	58.70	57.15	47.90
555.	290.90	286.90	260.17	189.15	124.49	107.58	73.95	61.02	58.76	152.20	207.93	55.02	53.68	48.44
560.	292.76	274.41	254.68	198.00	125.17	112.93	75.15	62.55	60.83	147.92	214.85	55.12	54.00	48.41
565.	286.76	277.02	255.78	195.32	121.29	115.82	76.80	60.50	59.74	148.50	214.02	55.90	55.44	48.10
570.	288.05	270.95	247.68	201.40	134.57	115.05	77.32	61.21	60.12	149.65	214.47	54.49	56.54	48.29
575.	287.19	269.05	251.58	201.60	128.37	116.80	76.83	61.93	60.07	150.67	215.88	58.80	55.88	48.93
580.	285.58	279.07	265.24	188.92	127.27	109.51	76.05	64.26	65.90	152.32	208.00	55.98	59.07	49.37
585.	288.02	267.93	250.17	193.45	137.77	107.61	77.37	62.81	62.76	148.60	214.15	55.41	57.56	49.95
590.	286.88	275.71	256.39	190.80	129.95	104.68	72.98	63.93	61.86	148.30	207.85	57.83	57.66	50.05
595.	279.22	272.46	267.46	194.38	115.51	111.41	78.73	67.21	60.83	147.57	214.30	55.03	56.49	50.44
600.	294.58	272.32	254.44	202.10	125.07	107.32	77.76	64.71	61.62	147.60	208.05	57.90	58.17	50.19
605.	290.63	262.19	245.68	199.68	133.52	110.49	76.34	65.33	61.33	145.85	207.95	58.73	58.95	50.37
610.	283.00	268.78	247.05	203.41	125.80	114.44	77.90	62.50	60.55	145.65	205.83	56.34	55.15	50.32
615.	285.02	277.12	248.37	200.55	136.57	109.34	78.02	67.07	62.59	148.65	207.76	61.43	58.98	49.76
620.	275.63	266.71	246.88	198.66	129.41	114.10	76.78	64.83	63.29	148.75	213.52	57.02	57.10	49.83
625.	277.58	258.51	249.10	198.56	125.98	110.12	78.34	63.76	62.26	146.32	206.58	54.32	58.02	49.95
630.	266.88	256.63	236.32	198.42	113.15	110.66	78.12	63.09	61.90	143.32	206.93	53.19	55.41	50.49
635.	281.90	259.93	245.05	194.67	122.15	106.78	78.00	60.68	60.59	143.00	206.37	54.15	54.66	49.85
640.	274.24	254.85	239.15	196.77	128.05	113.73	79.26	62.55	60.24	142.20	205.00	56.78	57.51	49.56
645.	282.90	266.00	243.54	201.22	119.29	110.15	78.56	61.58	59.74	139.80	203.83	54.41	55.27	49.19
650.	267.49	257.15	237.93	187.52	124.34	108.22	78.12	59.88	59.98	139.77	203.95	53.68	54.66	48.98
655.	270.58	255.15	243.49	190.75	124.32	105.10	75.37	62.62	59.96	139.60	202.15	55.93	55.61	49.00
660.	267.15	253.37	240.44	184.90	123.34	100.61	73.15	62.81	59.21	141.05	201.51	56.78	56.98	49.29
665.	268.95	256.66	238.68	189.77	123.15	103.98	72.68	60.93	58.90	142.40	200.95	51.83	54.44	49.41
670.	259.29	243.93	234.93	194.55	125.37	102.51	71.17	63.31	58.05	138.20	199.22	58.39	55.12	49.24
675.	263.73	247.80	233.54	183.52	123.02	96.09	70.85	61.95	59.62	135.50	202.92	54.46	56.32	49.66
680.	258.15	243.85	232.35	179.22	122.66	103.56	71.83	62.95	61.29	136.20	201.55	54.02	56.34	49.54
685.	250.66	239.54	231.85	178.20	119.10	103.98	74.02	60.95	58.57	137.50	200.55	59.15	56.39	49.68
690.	249.66	236.29	225.25	186.25	107.49	101.39	70.83	60.55	59.49	135.80	209.63	56.05	56.49	49.73
695.	244.22	236.24	221.88	174.92	112.44	94.74	72.44	63.02	61.33	137.75	199.42	57.66	56.05	49.37
700.	251.32	231.51	224.10	183.10	119.66	91.52	70.19	61.02	61.62	135.50	197.60	54.27	55.02	49.41
705.	232.95	233.07	216.88	176.22	125.39	94.36	67.67	60.52	55.63	129.02	196.67	50.56	53.12	48.76
710.	232.10	229.45	221.90	182.92	125.05	93.86	74.73	62.19	57.95	127.46	194.62	56.69	52.98	48.85
715.	232.95	230.92	221.25	178.90	127.80	95.24	70.54	63.50	57.19	126.17	194.42	52.71	53.49	49.32
720.	233.83	233.20	222.75	188.25	124.61	96.45	72.49	60.09	55.61	125.37	192.02	54.73	53.83	49.56

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	232.24	222.05	217.22	182.77	134.80	93.29	72.69	62.67	57.00	123.39	189.65	57.10	54.00	49.56
730.	230.72	223.07	214.42	188.65	117.17	93.02	72.70	62.33	58.00	124.37	189.25	52.32	52.05	49.56
735.	222.32	215.60	203.22	181.32	119.29	90.09	74.24	64.59	59.10	124.76	188.05	52.00	53.02	49.22
740.	223.07	217.47	203.34	187.88	110.49	91.45	73.10	62.17	58.09	122.98	186.92	55.85	54.61	49.29
745.	224.88	220.87	201.63	177.45	120.51	90.98	72.46	62.14	58.00	122.73	185.55	55.03	57.10	49.05
750.	220.65	216.10	201.65	170.45	117.71	90.24	70.76	62.67	58.09	120.51	184.10	57.15	56.73	49.39
755.	215.52	202.71	200.60	174.52	111.90	92.38	71.90	59.81	57.73	117.02	182.67	50.37	51.54	49.95
760.	207.80	202.37	191.37	168.70	110.17	85.69	70.41	63.90	58.93	117.00	181.57	57.03	56.80	49.76
765.	206.15	202.07	193.47	167.47	114.61	88.09	65.76	60.64	57.59	118.07	179.97	51.09	52.41	50.54
770.	204.07	201.85	190.17	146.20	115.95	86.40	64.33	58.03	55.34	114.51	179.02	50.34	50.02	50.07
775.	200.58	202.12	190.45	155.10	108.05	86.26	66.43	58.98	56.05	116.19	177.80	53.22	54.98	49.19
780.	199.88	203.13	188.05	152.47	105.73	84.29	66.02	58.38	57.29	116.49	176.37	50.02	52.00	49.19
785.	202.80	197.22	185.52	145.40	109.29	84.59	65.40	60.79	57.41	115.37	175.63	51.73	53.05	48.71
790.	198.97	191.87	179.75	137.55	107.00	82.74	66.64	60.86	59.05	114.27	174.85	54.29	55.34	48.71
795.	197.02	192.57	177.47	119.15	102.46	82.21	63.50	61.14	58.90	113.34	173.60	54.78	57.80	48.29
800.	198.17	192.67	172.82	125.73	105.66	82.14	64.43	58.86	57.50	113.83	172.45	51.88	49.83	48.88
805.	191.90	185.77	170.32	124.24	103.80	82.21	63.29	58.90	58.07	111.02	170.72	49.44	53.54	48.58
810.	191.63	183.97	164.20	124.51	105.76	83.86	65.05	57.93	53.29	109.32	169.72	52.41	49.98	48.37
815.	189.60	183.27	170.38	118.63	106.00	79.48	64.31	58.86	56.71	108.17	168.77	52.00	52.34	48.54
820.	188.72	179.07	158.60	119.49	100.17	80.24	62.86	58.14	55.24	107.63	167.85	49.17	50.19	48.71
825.	183.20	178.95	161.32	120.10	103.07	83.86	64.80	55.51	54.05	108.49	166.50	51.24	52.88	48.29
830.	181.60	175.22	156.05	115.34	105.76	81.17	62.52	56.63	52.90	106.68	165.77	48.93	49.00	48.22
835.	181.75	178.67	152.42	116.95	101.44	81.36	62.88	58.05	52.22	105.71	164.65	49.54	50.68	47.32
840.	181.95	174.77	151.02	113.90	103.17	77.98	63.79	59.17	56.80	107.17	163.95	54.27	54.22	46.85
845.	178.70	169.25	151.52	114.02	101.61	78.67	61.71	58.56	59.24	106.88	162.95	52.00	54.54	47.51
850.	178.13	170.55	142.72	109.17	90.71	78.50	62.62	59.21	57.32	105.68	162.10	48.19	50.56	47.51
855.	176.85	166.65	147.07	112.54	96.69	83.76	62.84	56.83	54.00	104.56	161.38	49.34	50.41	47.37
860.	174.10	167.75	137.10	112.66	96.57	78.44	60.02	57.29	54.41	103.37	160.45	51.90	50.07	46.61
865.	172.67	163.00	140.30	108.29	94.43	80.52	62.71	55.71	54.66	103.58	159.57	48.39	48.63	46.02
870.	169.65	162.47	145.07	107.98	93.90	77.41	60.00	56.66	55.17	105.58	158.70	49.73	50.63	45.71
875.	168.27	161.95	140.60	101.24	95.71	75.56	59.36	56.63	55.29	106.00	158.13	50.24	50.00	45.63
880.	169.57	166.75	141.65	97.00	91.59	77.93	58.64	58.00	56.41	104.17	157.50	50.32	49.56	45.93
885.	170.22	160.05	129.49	96.40	85.07	77.64	60.17	54.32	55.34	103.24	156.60	47.63	46.90	46.17
890.	169.05	161.27	126.54	100.41	89.90	75.54	58.43	53.88	53.10	102.49	155.97	49.51	49.98	45.95
895.	168.25	162.85	129.27	94.21	83.74	76.02	58.67	55.76	54.76	102.61	155.40	49.95	49.41	45.54

PRC18-P-3-1/2

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	27.12	27.02	19.38	9600.51	0.01	-0.00	-0.01	0.35	0.00	0.00	0.00	0.01	5.71	-0.08
0.	26.85	27.22	29.60	9600.51	0.01	0.00	-0.01	-0.07	0.00	0.00	0.00	0.01	5.71	-0.25
0.	26.60	27.10	40.08	9600.51	0.01	-0.00	-0.01	-0.13	0.00	0.00	0.00	0.01	5.71	0.11
0.	26.47	26.90	50.30	9621.39	0.01	-0.00	-0.01	-0.22	0.00	0.00	0.00	0.01	5.71	0.03
0.	26.45	26.80	59.56	9621.39	0.00	-0.00	-0.01	-0.24	0.00	0.00	0.00	0.01	5.71	-0.10
0.	26.63	26.80	69.78	9600.51	0.01	-0.00	-0.01	-0.40	0.00	0.00	0.00	0.01	5.71	0.28
5.	28.88	29.62	10.15	9663.20	0.01	-0.00	0.01	0.87	0.00	0.00	0.00	0.01	21.00	1.17
10.	29.42	29.93	19.38	9684.10	0.02	0.00	0.03	1.01	0.00	0.00	0.00	0.01	20.90	1.88
15.	29.61	30.39	29.61	9704.98	0.03	0.01	0.09	0.31	0.00	0.00	0.00	0.02	20.81	1.28
20.	32.05	34.61	40.09	9621.39	0.12	0.04	0.22	-0.30	0.00	0.00	0.00	0.05	20.65	4.28
25.	38.66	45.54	50.31	9642.29	0.23	0.07	0.49	-0.40	0.00	0.00	0.00	0.14	20.38	6.27
30.	58.86	61.38	59.56	9579.59	0.42	0.11	0.87	-0.51	0.00	0.00	0.00	0.34	19.80	3.37
35.	52.76	63.33	69.79	9579.59	0.63	0.17	1.50	-0.64	0.00	0.00	0.00	0.60	18.82	9.67
40.	70.10	82.81	10.15	9496.00	0.85	0.25	2.29	4.29	0.00	0.00	0.00	0.94	17.10	7.75
45.	73.61	91.26	19.38	9140.70	0.98	0.31	2.84	3.31	0.00	0.00	0.00	1.06	15.21	13.30
50.	91.09	105.27	29.60	9412.39	1.08	0.39	3.73	1.48	0.00	0.00	0.00	1.21	13.24	11.02
55.	114.15	134.40	40.08	9412.39	1.27	0.41	4.36	-0.77	0.00	0.00	0.00	1.53	11.45	11.19
60.	116.15	138.63	50.31	9203.40	1.40	0.45	5.12	-0.93	0.00	0.00	0.00	1.74	9.65	10.27
65.	120.34	141.75	59.56	9140.70	1.43	0.46	5.38	-1.03	0.00	0.00	0.00	1.78	8.99	14.69
70.	158.20	168.07	69.79	9098.89	1.54	0.48	5.78	-1.00	0.00	0.00	0.00	1.76	8.80	10.40
75.	151.92	170.02	10.14	9098.89	1.58	0.48	6.19	5.24	0.00	0.00	0.00	1.87	7.47	7.20
80.	168.60	184.72	19.37	8889.89	1.69	0.48	6.38	3.74	0.00	0.00	0.00	2.13	6.99	14.00
85.	162.25	191.70	29.60	8659.98	1.80	0.50	6.77	2.62	0.00	0.00	0.00	2.24	6.77	14.67
90.	166.17	200.32	40.08	8597.29	1.86	0.52	6.98	-0.79	0.00	0.00	0.00	2.29	6.50	13.26
95.	200.15	217.50	50.30	8471.89	1.99	0.51	7.06	-1.02	0.00	0.00	0.00	2.63	6.28	12.85
100.	194.42	217.67	59.56	8325.61	2.06	0.49	6.86	-1.26	0.00	0.00	0.00	2.58	6.80	11.30
105.	219.88	245.85	69.78	8200.18	2.14	0.52	7.27	-1.21	0.00	0.00	0.00	2.68	7.20	8.85
110.	230.82	260.66	10.14	8116.60	2.20	0.50	6.85	5.55	0.00	0.00	0.00	2.68	6.70	7.96
115.	227.35	247.63	19.38	7928.58	2.24	0.52	7.19	4.21	0.00	0.00	0.00	2.78	6.15	14.73
120.	230.88	274.54	29.60	7761.38	2.26	0.50	7.02	2.57	0.00	0.00	0.00	2.77	6.50	14.43
125.	249.76	272.24	40.08	7656.79	2.33	0.48	6.80	-0.85	0.00	0.00	0.00	2.87	6.67	10.50
130.	248.41	286.27	50.29	7552.29	2.34	0.48	7.00	-1.00	0.00	0.00	0.00	2.87	7.02	12.23
135.	226.85	268.90	59.56	7364.19	2.42	0.49	7.14	-1.19	0.00	0.00	0.00	2.80	7.43	13.56
140.	258.90	286.24	69.79	7259.69	2.50	0.48	7.27	-1.04	0.00	0.00	0.00	3.01	7.20	12.34
145.	244.12	282.54	10.14	7134.29	2.57	0.50	7.57	6.00	0.00	0.00	0.00	3.13	7.55	12.14
150.	262.12	293.07	19.37	6908.01	2.58	0.50	7.58	4.68	0.00	0.00	0.00	3.12	7.05	8.83
155.	250.68	284.37	29.59	6862.59	2.67	0.50	7.57	2.26	0.00	0.00	0.00	3.16	6.94	9.02
160.	267.00	293.12	40.08	6695.38	2.61	0.50	7.54	-0.75	0.00	0.00	0.00	3.22	7.39	14.45
165.	290.76	313.93	50.29	6611.79	2.69	0.48	7.27	-1.06	0.00	0.00	0.00	3.24	7.29	7.60
170.	297.44	311.95	59.56	6486.39	2.70	0.47	7.24	-1.11	0.00	0.00	0.00	3.35	7.22	13.85
175.	266.32	294.27	69.78	6361.00	2.64	0.45	6.83	-1.27	0.00	0.00	0.00	3.31	7.35	13.32
180.	269.83	303.68	10.13	6256.50	2.53	0.45	6.85	5.84	0.00	0.00	0.00	3.10	7.25	12.65
185.	254.61	303.63	19.37	6151.99	2.59	0.43	6.49	4.36	0.00	0.00	0.00	3.09	7.71	14.39
190.	289.58	313.12	29.59	6026.60	2.59	0.44	6.92	2.80	0.00	0.00	0.00	3.05	7.89	13.07
195.	265.68	296.73	40.08	5859.39	2.64	0.43	6.62	-0.73	0.00	0.00	0.00	3.15	8.34	13.61
200.	293.02	310.76	50.29	5775.81	2.62	0.40	6.19	-0.81	0.00	0.00	0.00	3.13	8.75	8.35
205.	277.17	304.49	59.56	5632.97	2.56	0.40	6.38	-1.06	0.00	0.00	0.00	3.12	8.58	12.24
210.	248.44	292.86	69.78	5557.19	2.64	0.40	6.29	-1.07	0.00	0.00	0.00	3.10	8.93	12.13
215.	294.24	289.37	10.13	5456.17	2.59	0.40	6.23	5.60	0.00	0.00	0.00	3.09	8.02	10.49
220.	306.44	312.68	19.38	5384.61	2.58	0.39	6.29	4.74	0.00	0.00	0.00	3.16	9.23	13.86

PRC18-P-3-1/2

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	318.83	292.88	29.59	5153.06	2.54	0.38	6.09	1.65	0.00	0.00	0.00	3.07	9.07	12.31
230.	265.93	294.17	40.07	5052.00	2.59	0.38	5.99	0.03	0.00	0.00	0.00	3.12	9.21	10.39
235.	307.17	310.32	50.29	4950.98	2.57	0.38	5.91	-1.00	0.00	0.00	0.00	3.09	9.24	13.40
240.	317.63	305.85	59.55	4799.42	2.50	0.37	5.79	-1.15	0.00	0.00	0.00	3.03	9.05	11.68
245.	274.63	294.41	69.77	4723.64	2.56	0.37	5.82	-1.16	0.00	0.00	0.00	3.04	9.60	12.21
250.	311.31	314.61	10.12	4647.83	2.57	0.38	5.93	5.51	0.00	0.00	0.00	2.99	9.29	9.45
255.	301.78	316.74	19.37	4471.03	2.57	0.36	5.59	4.55	0.00	0.00	0.00	2.98	9.40	14.34
260.	316.22	309.32	29.58	4344.72	2.57	0.37	5.74	2.59	0.00	0.00	0.00	2.95	9.55	11.32
265.	320.52	297.68	40.06	4218.41	2.49	0.35	5.56	-0.63	0.00	0.00	0.00	2.95	9.57	11.50
270.	316.05	296.27	50.27	4193.17	2.47	0.35	5.67	-1.05	0.00	0.00	0.00	2.88	9.06	14.40
275.	313.86	296.54	59.54	4041.61	2.49	0.34	5.40	-1.24	0.00	0.00	0.00	2.84	10.17	13.34
280.	307.27	312.49	69.76	3915.31	2.45	0.34	5.33	-1.21	0.00	0.00	0.00	2.81	9.98	11.72
285.	265.51	308.54	10.12	3864.78	2.39	0.33	5.06	5.29	0.00	0.00	0.00	2.76	10.17	8.95
290.	277.63	295.83	19.37	3763.75	2.28	0.32	4.93	4.33	0.00	0.00	0.00	2.58	10.23	9.30
295.	271.12	270.29	29.58	3612.20	2.30	0.32	4.93	2.10	0.00	0.00	0.00	2.58	10.04	14.76
300.	280.54	283.39	40.06	3511.14	2.30	0.31	4.72	-0.88	0.00	0.00	0.00	2.48	10.97	14.91
305.	313.76	294.19	50.29	3435.36	2.23	0.30	4.51	-1.01	0.00	0.00	0.00	2.36	11.00	11.35
310.	322.95	302.02	59.55	3359.58	2.10	0.29	4.43	-1.16	0.00	0.00	0.00	2.33	11.52	11.73
315.	271.39	270.12	69.78	3182.78	2.09	0.28	4.30	-1.14	0.00	0.00	0.00	2.25	12.02	10.35
320.	271.78	274.49	10.13	-34313.18	2.02	0.26	4.00	5.32	0.00	0.00	0.00	2.10	12.30	9.85
325.	258.02	256.12	19.36	3031.19	1.93	0.26	3.85	4.15	0.00	0.00	0.00	1.98	12.40	11.03
330.	251.17	252.12	29.58	2980.70	1.91	0.24	3.64	2.38	0.00	0.00	0.00	1.90	12.76	10.40
335.	236.44	242.68	40.05	2854.39	1.82	0.23	3.58	-0.68	0.00	0.00	0.00	1.82	13.03	10.63
340.	281.80	268.95	50.28	2829.15	1.80	0.22	3.31	-0.96	0.00	0.00	0.00	1.82	13.39	9.16
345.	232.05	244.17	59.54	2702.84	1.76	0.21	3.28	-1.16	0.00	0.00	0.00	1.75	13.74	12.75
350.	235.37	236.34	69.76	2652.31	1.68	0.20	3.00	-1.12	0.00	0.00	0.00	1.62	13.98	11.28
355.	220.52	242.63	10.11	2700.29	1.60	0.19	2.87	5.07	0.00	0.00	0.00	1.51	14.29	7.20
360.	229.13	233.35	19.35	2500.75	1.54	0.18	2.67	3.55	0.00	0.00	0.00	1.43	14.62	8.78
365.	232.05	228.58	29.57	2399.69	1.48	0.17	2.62	1.83	0.00	0.00	0.00	1.40	14.74	12.20
370.	228.97	241.34	40.05	2424.98	1.44	0.16	2.43	-0.58	0.00	0.00	0.00	1.38	14.99	11.20
375.	240.95	236.32	50.28	2298.67	1.37	0.15	2.30	-0.99	0.00	0.00	0.00	1.28	15.18	10.97
380.	180.02	205.54	59.53	2323.91	1.30	0.14	2.22	-1.13	0.00	0.00	0.00	1.23	15.48	9.56
385.	223.60	221.90	69.75	2298.67	1.22	0.14	2.04	-1.14	0.00	0.00	0.00	1.16	15.68	10.50
390.	213.80	226.30	10.12	2308.77	1.19	0.13	2.00	4.65	0.00	0.00	0.00	1.12	15.76	9.84
395.	201.00	199.93	19.35	2147.10	1.16	0.13	1.87	3.42	0.00	0.00	0.00	1.09	16.00	10.60
400.	188.75	201.00	29.57	2096.58	1.12	0.12	1.82	1.38	0.00	0.00	0.00	1.04	16.25	5.66
405.	191.02	208.02	40.05	2147.10	1.08	0.11	1.70	-0.65	0.00	0.00	0.00	1.00	16.43	8.44
410.	187.02	198.83	50.27	2071.32	1.07	0.11	1.63	-0.94	0.00	0.00	0.00	0.97	16.58	6.66
415.	161.07	189.20	59.53	2020.80	1.02	0.10	1.57	-1.04	0.00	0.00	0.00	0.92	16.71	7.17
420.	215.80	199.44	69.74	1995.54	0.99	0.10	1.50	-1.06	0.00	0.00	0.00	0.92	16.87	8.34
425.	203.19	202.88	10.11	2061.22	0.95	0.09	1.51	4.35	0.00	0.00	0.00	0.86	16.94	7.95
430.	175.45	191.82	19.34	1970.28	0.92	0.09	1.45	3.16	0.00	0.00	0.00	0.87	16.99	7.00
435.	169.95	180.72	29.57	1894.50	0.89	0.09	1.36	1.52	0.00	0.00	0.00	0.80	17.09	10.00
440.	183.87	179.60	40.05	1768.20	0.88	0.09	1.35	-0.69	0.00	0.00	0.00	0.78	17.21	10.53
445.	174.40	167.35	50.27	1818.72	0.83	0.08	1.22	-0.97	0.00	0.00	0.00	0.74	17.33	8.57
450.	171.63	172.45	59.52	1818.72	0.82	0.08	1.15	-1.06	0.00	0.00	0.00	0.72	17.29	7.03
455.	166.17	164.27	69.75	1742.94	0.80	0.08	1.18	-1.02	0.00	0.00	0.00	0.69	17.35	7.35
460.	178.17	181.55	10.11	1831.35	0.78	0.07	1.08	4.02	0.00	0.00	0.00	0.68	17.50	7.91
465.	149.90	163.90	19.35	1742.94	0.75	0.07	1.07	2.95	0.00	0.00	0.00	0.66	17.51	8.49
470.	152.72	172.20	29.57	1717.68	0.74	0.07	1.02	1.13	0.00	0.00	0.00	0.64	17.55	8.72

PRC18-P-3-1/2

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	161.90	167.47	40.05	1566.12	0.72	0.07	1.02	-0.54	0.00	0.00	0.00	0.64	17.62	8.01
480.	146.95	149.85	50.28	1692.42	0.71	0.07	0.95	-0.94	0.00	0.00	0.00	0.61	17.72	10.90
485.	167.30	158.07	59.55	1667.16	0.67	0.07	0.92	-1.08	0.00	0.00	0.00	0.59	17.75	6.73
490.	154.72	156.25	69.76	1641.90	0.65	0.06	0.92	-1.03	0.00	0.00	0.00	0.59	17.78	10.54
495.	141.52	148.27	10.13	1677.26	0.65	0.05	0.85	3.79	0.00	0.00	0.00	0.56	17.96	6.78
500.	143.47	145.50	19.37	1667.16	0.63	0.06	0.85	2.65	0.00	0.00	0.00	0.54	18.02	6.74
505.	129.22	137.67	29.58	1591.38	0.59	0.06	0.79	1.26	0.00	0.00	0.00	0.52	18.07	7.35
510.	136.50	148.90	40.07	1515.60	0.59	0.06	0.79	-0.69	0.00	0.00	0.00	0.53	18.16	5.91
515.	141.05	142.77	50.29	1540.86	0.56	0.06	0.82	-0.95	0.00	0.00	0.00	0.50	18.14	5.19
520.	125.46	140.60	59.55	1566.12	0.54	0.05	0.73	-1.02	0.00	0.00	0.00	0.50	18.26	6.20
525.	127.10	141.95	69.77	1515.60	0.52	0.05	0.71	-1.04	0.00	0.00	0.00	0.49	18.26	6.31
530.	145.25	146.75	10.13	1586.33	0.51	0.05	0.73	3.39	0.00	0.00	0.00	0.48	18.34	8.05
535.	120.73	124.83	19.37	1414.56	0.49	0.05	0.72	2.22	0.00	0.00	0.00	0.47	18.44	5.47
540.	108.39	126.56	29.59	1439.82	0.48	0.05	0.70	0.81	0.00	0.00	0.00	0.46	18.50	7.64
545.	109.51	115.88	40.07	1490.34	0.47	0.05	0.64	-0.55	0.00	0.00	0.00	0.46	18.57	3.61
550.	110.80	119.58	50.28	1490.34	0.45	0.05	0.64	-1.04	0.00	0.00	0.00	0.45	18.60	6.31
555.	108.44	122.12	59.55	1465.08	0.44	0.05	0.61	-0.89	0.00	0.00	0.00	0.43	18.70	6.26
560.	120.32	109.93	69.77	1490.34	0.44	0.05	0.62	-0.89	0.00	0.00	0.00	0.42	18.82	3.01
565.	116.44	121.85	10.13	1540.86	0.43	0.04	0.60	3.10	0.00	0.00	0.00	0.41	18.91	2.81
570.	114.90	115.63	19.36	1490.34	0.41	0.04	0.58	1.98	0.00	0.00	0.00	0.41	19.04	7.08
575.	112.85	114.00	29.57	1414.56	0.40	0.04	0.58	0.09	0.00	0.00	0.00	0.40	19.03	4.65
580.	122.54	110.80	40.06	1465.08	0.41	0.04	0.56	-0.60	0.00	0.00	0.00	0.39	19.08	6.26
585.	112.66	113.29	50.29	1465.08	0.40	0.04	0.57	-0.68	0.00	0.00	0.00	0.39	19.13	8.02
590.	123.12	112.78	59.54	1389.30	0.38	0.04	0.54	-0.82	0.00	0.00	0.00	0.38	19.14	3.01
595.	108.54	104.56	69.77	1414.56	0.38	0.04	0.53	-0.85	0.00	0.00	0.00	0.39	19.15	4.04
600.	101.29	109.41	10.13	1477.71	0.38	0.04	0.50	2.87	0.00	0.00	0.00	0.37	19.06	5.08
605.	112.19	109.85	19.37	1364.04	0.37	0.04	0.52	1.84	0.00	0.00	0.00	0.38	19.19	5.12
610.	108.98	108.54	29.58	1364.04	0.36	0.04	0.49	0.59	0.00	0.00	0.00	0.36	19.33	5.57
615.	102.41	102.78	40.05	1389.30	0.36	0.04	0.46	-0.52	0.00	0.00	0.00	0.36	19.22	4.26
620.	106.58	102.76	50.28	1338.78	0.35	0.04	0.48	-0.71	0.00	0.00	0.00	0.36	19.41	7.21
625.	100.41	96.45	59.55	1389.30	0.35	0.04	0.47	-0.82	0.00	0.00	0.00	0.35	19.39	2.78
630.	91.26	102.51	69.77	1389.30	0.33	0.04	0.46	-0.86	0.00	0.00	0.00	0.34	19.49	4.76
635.	89.31	102.63	10.13	1492.87	0.33	0.04	0.45	2.70	0.00	0.00	0.00	0.34	19.44	3.64
640.	84.29	96.33	19.37	1364.04	0.33	0.03	0.45	1.65	0.00	0.00	0.00	0.35	19.54	3.16
645.	95.52	103.02	29.58	1338.78	0.32	0.04	0.45	-0.25	0.00	0.00	0.00	0.33	19.67	4.35
650.	81.57	86.88	40.06	1364.04	0.31	0.04	0.44	-0.46	0.00	0.00	0.00	0.32	19.71	1.27
655.	86.81	93.31	50.28	1313.52	0.31	0.04	0.44	-0.71	0.00	0.00	0.00	0.32	19.72	3.87
660.	85.71	94.17	59.54	1338.78	0.31	0.04	0.43	-0.80	0.00	0.00	0.00	0.32	19.79	2.07
665.	92.38	95.79	69.76	1338.78	0.30	0.03	0.42	-0.79	0.00	0.00	0.00	0.31	19.86	4.21
670.	84.02	85.33	10.13	1442.35	0.30	0.03	0.41	2.52	0.00	0.00	0.00	0.31	19.86	7.25
675.	83.50	88.90	19.36	1364.04	0.29	0.03	0.41	1.56	0.00	0.00	0.00	0.32	19.81	3.64
680.	85.55	89.69	29.58	1338.78	0.29	0.03	0.42	0.38	0.00	0.00	0.00	0.31	19.90	6.81
685.	86.95	89.24	40.06	1288.26	0.29	0.03	0.39	-0.49	0.00	0.00	0.00	0.30	19.98	6.22
690.	89.74	91.31	50.29	1288.26	0.28	0.03	0.40	-0.66	0.00	0.00	0.00	0.30	19.97	3.82
695.	85.24	88.81	59.54	1364.04	0.27	0.03	0.40	-0.75	0.00	0.00	0.00	0.30	20.04	4.28
700.	84.24	88.09	69.77	1313.52	0.27	0.03	0.39	-0.81	0.00	0.00	0.00	0.30	20.12	4.80
705.	78.45	79.19	10.13	1444.87	0.27	0.03	0.39	2.34	0.00	0.00	0.00	0.29	20.11	4.19
710.	87.48	90.02	19.36	1389.30	0.26	0.03	0.38	1.51	0.00	0.00	0.00	0.29	20.17	3.12
715.	86.50	83.57	29.58	1313.52	0.25	0.03	0.38	0.54	0.00	0.00	0.00	0.29	20.14	2.91
720.	78.74	81.43	40.07	1338.78	0.25	0.03	0.38	-0.41	0.00	0.00	0.00	0.29	20.26	4.48

PRC10-P-3-1/2

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	75.80	78.21	50.29	1313.52	0.25	0.03	0.37	-0.62	0.00	0.00	0.00	0.28	20.28	2.59
730.	71.71	77.98	59.55	1338.78	0.26	0.03	0.36	-0.70	0.00	0.00	0.00	0.28	20.22	2.70
735.	82.00	79.86	69.77	1338.78	0.25	0.03	0.36	-0.82	0.00	0.00	0.00	0.27	20.33	2.68
740.	82.83	80.64	10.13	1457.50	0.25	0.03	0.36	2.27	0.00	0.00	0.00	0.28	20.39	6.81
745.	77.51	78.40	19.37	1389.30	0.24	0.03	0.36	1.42	0.00	0.00	0.00	0.27	20.41	2.87
750.	76.93	79.90	29.58	1338.78	0.25	0.03	0.36	0.41	0.00	0.00	0.00	0.26	20.41	3.67
755.	71.39	77.46	40.06	1364.04	0.24	0.03	0.35	-0.44	0.00	0.00	0.00	0.26	20.40	3.74
760.	74.29	80.52	50.29	1364.04	0.23	0.03	0.35	-0.63	0.00	0.00	0.00	0.26	20.41	4.14
765.	77.61	80.31	59.55	1364.04	0.23	0.03	0.35	-0.72	0.00	0.00	0.00	0.26	20.42	3.26
770.	79.10	78.63	69.76	1364.04	0.24	0.03	0.33	-0.67	0.00	0.00	0.00	0.26	20.42	4.21
775.	78.41	76.68	10.13	1447.40	0.22	0.03	0.33	2.15	0.00	0.00	0.00	0.26	20.41	3.51

PRC6-P-3-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	26.67	23.72	22.27	22.20	21.90	21.10	20.05	31.49	32.07	31.41	29.73	28.27	26.70	25.80
0.	26.80	23.85	22.17	21.77	21.82	21.10	20.13	31.54	32.05	31.32	29.54	28.27	26.75	25.80
0.	26.67	23.35	21.82	21.60	21.57	21.07	20.32	31.46	32.05	31.34	29.46	28.32	26.70	25.80
0.	26.55	23.50	22.17	21.57	21.27	21.15	21.02	31.51	32.10	31.34	29.63	28.37	26.65	25.90
0.	26.70	23.82	22.72	21.82	21.25	20.82	20.60	31.54	32.05	31.29	29.51	28.45	26.75	25.90
0.	26.50	23.57	21.95	21.70	21.60	20.82	20.65	31.51	32.00	31.32	29.51	28.40	26.70	25.92
5.	77.67	66.43	31.05	22.52	21.15	20.10	19.72	57.80	113.73	90.88	82.69	74.58	61.26	54.76
10.	100.32	40.90	22.65	21.85	20.63	20.05	20.00	53.49	95.31	96.67	92.26	87.79	85.59	73.71
15.	78.76	52.02	21.50	21.35	21.05	20.20	20.32	51.10	90.69	91.31	87.31	83.36	79.48	74.56
20.	80.59	57.32	22.82	21.38	21.25	20.27	20.22	50.44	85.86	85.59	83.79	78.67	78.27	72.15
25.	80.98	75.22	25.80	21.92	21.10	20.50	20.13	55.41	84.48	83.62	80.50	77.79	78.90	78.90
30.	101.37	78.81	31.22	22.00	21.55	20.80	20.32	65.17	111.90	97.55	94.71	88.57	86.29	85.71
35.	138.07	113.83	59.19	22.12	22.25	21.13	20.35	77.49	171.22	142.00	127.34	120.49	124.61	123.29
40.	222.88	192.40	76.17	23.20	23.15	21.42	20.75	121.15	251.56	215.35	200.93	192.88	203.95	197.47
45.	309.02	289.00	93.52	25.30	24.05	23.05	21.27	181.30	343.29	317.49	291.17	286.27	295.46	286.24
50.	349.52	319.50	76.00	29.15	22.60	24.72	22.95	251.58	434.84	403.50	369.32	366.74	365.76	353.33
55.	381.67	350.69	67.40	29.71	23.15	24.47	22.42	310.64	512.32	475.12	452.62	437.86	423.09	397.38
60.	394.29	357.38	112.78	32.07	23.95	24.70	23.37	361.76	552.14	515.24	473.02	464.19	460.71	430.48
65.	409.07	360.00	113.80	34.17	29.10	23.90	22.92	421.08	586.98	555.58	542.62	520.24	496.67	458.37
70.	440.00	421.43	183.45	35.49	29.15	26.77	24.05	435.42	605.95	564.65	545.81	528.14	519.28	479.53
75.	460.00	437.91	198.35	36.00	31.83	25.72	25.38	491.90	659.05	633.09	584.65	558.37	550.48	512.09
80.	454.19	424.76	126.51	38.22	29.67	27.27	24.42	513.95	659.30	653.57	631.90	609.05	558.60	524.88
85.	463.25	457.38	138.70	41.80	30.66	25.72	24.75	554.19	698.33	662.56	643.57	608.84	591.43	549.05
90.	479.77	468.37	143.85	44.32	32.12	28.17	25.47	580.46	720.00	699.05	660.70	654.28	626.43	584.76
95.	480.00	455.95	194.72	45.83	33.88	26.07	25.95	607.62	716.43	692.38	671.67	657.38	635.95	604.52
100.	508.48	435.95	214.65	44.51	37.49	25.88	24.82	624.52	719.28	695.00	672.14	658.57	633.81	603.81
105.	515.95	490.93	255.10	44.39	37.37	27.30	23.70	646.90	740.00	716.43	699.05	667.44	657.86	625.95
110.	540.00	529.53	230.49	45.39	41.02	29.37	26.02	688.09	824.63	795.12	741.19	715.48	685.00	650.24
115.	500.71	524.19	225.92	46.46	39.68	29.97	26.22	711.19	828.78	809.76	749.76	719.28	661.86	650.00
120.	491.63	547.62	315.98	53.73	35.22	29.62	27.63	701.19	800.49	778.54	727.62	708.09	667.91	649.28
125.	517.38	512.86	266.88	51.49	39.58	30.90	27.30	707.38	795.85	776.10	735.71	713.57	689.28	656.19
130.	479.53	495.24	346.41	51.19	33.71	29.44	26.88	694.28	773.41	740.24	720.95	701.90	685.24	654.28
135.	496.90	519.76	242.46	52.76	40.71	29.90	25.97	702.38	768.33	745.71	718.81	699.28	669.76	635.71
140.	468.60	513.72	232.76	50.12	32.61	31.22	26.30	699.28	773.66	735.71	719.05	703.33	664.68	647.14
145.	460.23	512.32	327.43	52.37	32.46	34.27	28.10	691.90	743.57	725.24	704.76	691.90	658.14	643.57
150.	462.32	490.46	266.51	51.78	29.13	31.27	28.35	693.81	743.33	724.28	709.76	695.00	670.48	638.81
155.	493.49	510.93	302.29	54.66	54.17	29.25	25.07	687.62	736.43	725.00	710.00	694.05	667.62	625.95
160.	453.09	518.09	225.97	51.02	45.63	30.68	27.60	698.81	741.90	719.76	695.00	661.63	645.71	612.62
165.	469.07	519.76	251.03	57.95	29.93	29.54	26.57	707.86	778.05	725.95	693.81	668.81	631.19	588.57
170.	477.21	513.02	231.40	63.43	48.29	31.66	25.72	713.09	751.90	726.43	691.90	668.57	638.57	584.88
175.	430.71	480.23	242.66	61.55	35.63	29.62	26.65	712.14	751.67	718.33	666.28	657.86	600.93	584.28
180.	439.07	515.35	228.68	59.36	35.93	31.93	26.42	689.05	721.67	699.05	661.86	659.76	633.33	587.44
185.	460.46	492.09	239.12	55.95	47.88	31.34	26.85	688.57	733.33	710.00	685.71	664.76	641.90	608.57
190.	450.46	498.37	226.40	54.68	41.71	36.37	27.07	667.91	716.67	692.86	664.28	637.38	607.86	559.53
195.	464.88	500.00	258.49	54.07	29.72	36.07	26.40	662.56	702.62	663.72	659.05	641.19	601.86	563.72
200.	451.63	497.62	226.27	54.37	30.83	26.60	27.15	668.57	694.76	660.93	655.00	640.48	624.76	590.71
205.	451.86	451.19	221.65	52.29	29.27	37.29	26.97	660.48	666.98	667.14	646.19	633.09	599.53	584.52
210.	459.76	474.88	206.49	48.98	30.51	29.56	29.85	643.33	658.84	660.24	646.43	631.19	612.14	557.91
215.	426.67	457.38	247.56	54.76	35.07	37.63	29.05	635.95	659.05	634.28	609.76	593.09	555.12	525.12
220.	452.14	474.88	217.42	54.68	39.51	29.44	28.30	609.07	648.33	634.05	624.76	612.62	584.19	555.81

PRC6-P-3-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	404.88	455.12	197.90	57.32	37.54	27.85	26.80	626.67	654.05	631.19	602.09	586.74	559.53	521.86
230.	432.32	461.86	198.45	49.49	44.73	37.58	27.07	610.24	635.48	607.67	608.09	583.72	562.32	520.93
235.	387.38	389.52	189.92	48.41	50.07	29.20	24.77	604.28	606.51	604.76	590.48	562.79	544.42	517.91
240.	386.90	455.48	179.90	48.19	30.29	35.46	27.12	586.90	586.51	587.86	558.84	542.09	522.09	496.98
245.	398.33	433.02	202.42	47.29	28.45	37.24	26.85	562.32	586.67	561.86	552.32	552.38	518.37	499.28
250.	401.19	406.74	194.52	46.37	45.80	29.57	25.72	549.07	562.79	553.25	550.24	522.56	513.81	479.30
255.	406.28	428.33	178.20	46.17	32.68	29.47	25.80	544.76	544.42	550.95	543.33	521.16	514.28	472.79
260.	406.67	407.91	154.80	54.15	45.58	31.61	27.15	513.25	520.70	516.98	511.39	516.67	493.95	480.23
265.	406.67	403.81	167.32	48.71	29.29	31.39	24.90	501.43	490.70	491.16	494.76	491.90	471.86	460.70
270.	366.02	393.93	180.70	43.93	44.88	27.52	23.82	472.09	473.95	472.79	468.37	463.72	460.95	433.49
275.	365.88	369.86	148.97	54.27	36.00	30.29	25.02	460.93	463.25	459.53	455.35	451.86	454.76	431.39
280.	365.81	355.43	151.72	45.07	35.49	25.70	23.82	457.86	456.67	452.14	436.85	440.71	429.29	402.79
285.	344.80	340.45	139.70	41.27	40.98	27.35	25.88	436.58	433.46	437.50	429.79	427.29	406.16	404.24
290.	328.55	343.49	151.27	39.56	43.83	25.00	23.05	434.09	431.59	424.55	409.00	401.67	403.57	394.00
295.	313.32	315.71	123.10	38.24	35.32	31.51	23.55	423.26	421.64	405.56	409.07	404.67	395.45	384.38
300.	316.69	341.44	129.37	37.41	39.51	27.17	24.88	402.23	407.93	406.83	403.79	399.90	394.74	389.83
305.	311.90	339.54	133.92	36.27	29.66	29.85	24.70	398.40	388.52	386.17	384.67	387.67	371.56	366.67
310.	314.49	317.45	116.83	35.15	25.75	35.51	25.63	388.43	371.28	369.26	367.95	367.49	369.19	361.43
315.	303.49	314.45	104.44	35.90	27.10	27.27	23.00	368.98	365.02	365.00	366.09	364.88	359.40	353.59
320.	294.00	312.81	121.37	34.61	35.80	27.17	22.50	367.40	355.69	355.59	355.71	355.36	351.48	347.33
325.	282.68	302.85	104.76	33.80	33.56	26.05	23.25	359.09	348.79	348.14	345.83	344.52	345.63	343.88
330.	265.19	292.00	120.37	39.19	32.39	23.15	22.05	348.79	340.66	344.22	342.93	341.61	328.19	321.57
335.	268.39	296.88	95.07	34.37	36.46	24.63	22.07	342.12	328.29	327.00	328.21	327.07	323.50	318.67
340.	246.34	265.22	104.58	33.51	28.80	26.77	23.00	342.63	317.50	316.67	319.00	318.59	312.71	313.98
345.	260.27	276.46	95.76	37.39	30.88	27.50	23.02	326.74	317.80	311.02	310.69	310.69	313.24	309.71
350.	231.92	261.22	88.74	49.58	34.22	24.77	22.52	321.85	310.88	309.58	312.10	306.61	302.76	291.36
355.	227.00	260.32	111.51	37.17	26.30	29.71	24.25	316.26	306.49	302.73	301.90	302.24	296.85	291.32
360.	229.70	252.12	96.00	32.71	33.49	24.20	23.65	316.34	294.63	290.93	297.19	296.41	290.76	283.56
365.	229.75	244.68	105.10	29.00	21.50	23.72	24.13	312.44	294.66	290.49	288.56	287.88	282.41	279.44
370.	207.41	200.27	103.93	33.51	29.63	23.42	23.80	308.12	292.71	287.41	278.24	277.05	271.76	265.12
375.	198.63	236.85	77.29	30.19	29.37	24.97	20.70	302.17	276.87	271.24	272.76	271.73	268.19	262.73
380.	203.22	202.29	89.36	29.55	33.73	23.17	23.13	291.69	281.19	277.44	273.46	270.17	266.61	264.61
385.	202.32	206.34	72.80	29.66	35.19	22.52	20.87	294.83	277.51	273.49	267.80	264.51	259.07	252.34
390.	188.87	206.34	101.68	27.27	23.13	22.32	21.30	288.90	263.98	262.54	260.49	259.61	254.80	250.54
395.	198.72	218.82	79.51	28.30	32.29	21.88	20.90	285.61	263.80	261.17	257.44	254.66	250.76	249.17
400.	172.92	186.02	90.40	25.72	23.87	27.02	20.20	282.51	263.83	259.78	251.95	250.51	245.76	242.46
405.	170.38	163.87	76.76	29.55	21.45	19.85	22.30	279.02	259.80	255.37	243.02	239.32	235.17	228.61
410.	165.50	177.67	79.57	35.39	19.77	19.45	19.32	275.54	252.76	244.41	239.73	234.71	233.25	231.35
415.	145.32	140.95	82.86	32.12	30.51	19.67	19.77	272.34	250.10	244.27	236.27	233.51	232.97	227.90
420.	133.72	138.97	57.44	29.46	30.98	20.15	19.25	268.71	245.07	240.10	237.44	233.19	227.02	219.92
425.	140.22	139.27	65.98	27.47	30.46	20.10	20.42	266.27	247.88	238.98	233.22	228.98	227.32	217.85
430.	134.42	155.92	74.10	27.75	32.73	21.40	20.17	262.73	240.19	234.27	229.73	230.90	221.17	214.07
435.	117.63	141.22	65.79	29.32	32.07	21.77	20.97	260.46	241.10	230.34	229.07	224.35	217.38	202.22
440.	117.05	129.93	66.07	27.77	25.77	19.30	19.88	257.78	234.51	230.97	222.70	216.32	206.02	198.57
445.	109.93	119.15	59.52	27.55	29.15	21.27	19.97	254.00	236.93	229.97	217.65	208.10	201.85	195.30
450.	116.83	133.50	69.76	26.95	30.51	24.67	20.42	251.93	234.07	226.90	215.87	202.37	197.45	190.47
455.	112.98	122.80	60.98	26.30	22.02	22.00	20.63	249.17	231.95	223.30	207.19	200.00	199.77	184.27
460.	105.24	113.90	57.80	31.80	31.68	20.92	18.67	246.90	229.71	223.45	204.27	197.88	191.57	178.45
465.	101.15	111.19	52.61	28.30	26.80	20.15	19.52	243.90	231.70	216.60	201.35	193.82	185.87	175.30
470.	90.38	102.12	53.19	26.82	23.65	19.10	19.47	241.63	231.02	217.40	198.02	191.00	182.10	167.02

PRC6-P-3-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	89.05	101.63	50.34	25.92	27.17	19.55	20.70	239.22	226.47	215.70	194.25	184.92	178.52	166.35
480.	86.81	103.49	57.24	24.67	23.65	22.20	18.80	236.90	224.42	207.44	189.10	182.10	171.70	162.72
485.	89.43	102.51	56.95	25.70	29.40	20.60	19.13	234.66	223.00	203.56	193.72	182.42	168.17	161.10
490.	83.29	94.52	59.71	25.67	28.40	20.85	19.05	232.51	219.88	200.46	192.15	177.32	167.13	157.42
495.	75.05	88.62	57.86	26.27	28.90	20.85	19.40	230.32	219.05	198.66	184.80	174.30	166.25	155.22
500.	79.07	88.36	46.22	26.20	29.32	21.72	19.82	228.29	216.32	198.44	182.05	170.57	163.42	152.82
505.	80.86	88.36	58.40	25.57	28.10	20.90	19.27	231.97	213.90	198.73	178.45	165.65	158.88	149.12
510.	81.05	89.88	51.83	24.90	28.47	20.20	20.47	230.10	214.52	198.34	179.42	161.35	155.47	145.30
515.	78.19	90.12	57.05	24.40	22.77	22.42	20.27	228.30	207.17	202.22	174.15	159.22	151.22	143.55
520.	79.29	88.38	56.02	23.65	26.67	19.13	19.22	226.42	213.52	200.90	171.22	160.57	152.92	142.80
525.	77.83	83.69	58.00	25.88	27.10	19.25	20.95	224.52	206.88	200.57	170.32	157.77	149.50	140.63
530.	76.66	87.98	53.83	25.72	22.40	20.32	20.13	222.95	206.24	200.42	175.77	155.75	148.17	135.85
535.	77.71	81.33	57.07	25.45	27.35	21.10	19.92	221.50	204.61	200.82	174.07	152.05	143.85	133.77
540.	75.19	80.09	52.93	24.92	29.76	20.87	19.97	219.80	203.66	199.07	171.50	152.72	139.45	133.62
545.	73.37	79.07	54.29	24.57	23.57	18.95	20.02	218.12	202.27	195.92	167.77	149.97	141.05	128.76
550.	70.41	74.93	52.95	24.67	21.27	19.47	19.38	216.17	200.71	197.38	167.57	148.55	137.95	126.17
555.	70.88	75.37	54.12	28.85	24.42	19.80	19.88	214.77	199.22	196.32	163.62	146.07	134.95	124.80
560.	70.63	76.46	53.93	25.38	26.02	20.32	20.27	208.29	199.32	196.37	164.17	145.80	136.00	122.02
565.	67.76	76.44	54.12	24.38	24.45	21.92	20.50	206.61	201.35	194.15	162.05	139.55	134.22	121.66
570.	66.00	73.22	49.61	25.60	27.25	19.50	20.25	205.05	200.38	195.05	160.38	139.45	128.41	119.83
575.	67.59	75.07	59.12	24.75	27.45	18.00	18.57	203.71	199.05	192.60	164.50	140.13	126.15	117.98
580.	67.52	67.76	49.66	23.47	24.00	18.40	18.13	202.41	198.05	189.80	161.67	138.92	126.68	117.37
585.	64.74	71.78	46.37	22.80	23.65	18.20	18.72	201.19	196.50	190.95	160.55	135.85	124.44	116.10
590.	64.71	71.68	51.88	23.92	25.07	20.63	18.90	199.85	196.00	189.42	160.22	134.60	122.85	115.66
595.	63.76	72.78	47.98	23.72	25.13	19.60	19.05	198.49	194.50	188.22	159.68	136.32	121.19	113.22
600.	66.69	73.15	54.88	24.65	25.72	21.15	18.77	202.15	192.42	183.10	158.07	133.92	119.00	112.63
605.	61.00	70.05	45.76	25.60	22.25	20.25	18.85	200.90	192.12	187.07	158.67	135.40	122.02	112.56
610.	62.79	70.56	43.58	24.27	25.27	20.87	19.38	199.52	191.82	184.52	154.38	134.55	118.68	110.51
615.	64.45	67.17	47.68	23.70	26.75	20.30	21.50	198.45	191.45	184.85	155.27	129.19	117.54	112.19
620.	60.79	63.74	49.10	23.37	21.50	20.45	20.65	197.38	189.02	183.22	152.82	128.71	118.41	107.98
625.	60.98	63.05	47.00	23.25	24.72	19.97	19.82	196.10	187.25	182.80	149.70	128.51	119.07	108.95
630.	60.26	69.85	49.58	22.92	23.87	19.97	19.77	195.10	186.75	181.15	151.13	126.61	117.27	106.02
635.	59.09	65.55	41.58	22.15	22.85	21.55	18.97	194.00	186.42	179.37	149.00	124.73	118.10	107.41
640.	59.38	64.88	45.10	23.75	22.25	20.25	20.05	192.90	184.67	178.13	149.72	125.19	114.46	107.02
645.	59.81	59.69	49.88	22.57	22.57	19.92	20.17	191.70	182.85	177.27	147.10	123.37	112.93	104.78
650.	58.95	64.26	46.29	23.40	22.97	19.42	19.72	190.67	182.02	176.22	147.40	125.44	112.71	103.34
655.	59.19	62.59	44.05	24.13	21.25	20.50	21.07	189.62	181.40	175.35	147.97	123.29	110.32	101.02
660.	59.21	63.59	37.90	24.57	21.57	21.40	20.45	188.60	180.77	174.57	146.55	121.17	109.61	97.19
665.	57.66	63.48	46.17	24.50	21.88	20.63	21.22	187.67	179.25	173.07	144.35	119.46	110.24	100.05
670.	57.41	63.90	42.68	24.95	22.17	22.75	20.80	186.50	178.95	173.92	142.85	118.22	109.98	100.24
675.	58.12	62.09	39.90	23.87	20.75	22.35	21.10	185.65	178.25	172.88	141.47	118.76	109.32	95.40
680.	56.71	59.10	34.44	23.55	20.60	21.95	23.25	184.65	177.20	171.32	141.95	118.34	108.56	95.69
685.	55.54	60.74	32.41	23.32	22.95	21.52	21.42	183.77	175.45	170.38	139.42	117.66	107.27	95.79
690.	57.93	59.48	40.88	22.52	21.42	21.60	20.05	182.82	174.95	170.27	139.65	116.12	106.37	94.36
695.	57.76	59.09	33.15	22.30	21.65	21.90	21.72	181.90	173.92	168.90	140.05	115.15	105.78	94.36

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	24.72	24.38	24.25	23.87	23.37	23.50	22.77	22.82	22.15	24.45	32.71	0.00	0.00	0.00
0.	24.75	24.15	24.10	23.80	23.15	23.50	22.85	22.67	22.02	24.35	32.66	0.00	0.00	0.00
0.	24.80	24.17	24.02	23.80	23.15	23.42	22.70	22.65	22.07	24.27	32.63	0.00	0.00	0.00
0.	24.85	24.20	23.97	23.72	23.10	23.37	22.57	22.52	21.88	24.25	32.63	0.00	0.00	0.00
0.	24.80	24.07	23.75	23.70	23.13	23.25	22.72	22.70	22.10	24.25	32.63	0.00	0.00	0.00
0.	24.88	24.05	23.80	23.67	23.15	23.45	22.77	22.95	22.38	24.35	32.66	0.00	0.00	0.00
5.	56.07	49.73	30.51	27.82	26.97	26.92	24.67	25.25	23.70	31.58	47.44	0.00	0.00	0.00
10.	61.38	47.41	31.02	27.05	25.47	25.60	24.35	24.30	22.92	29.73	46.51	0.00	0.00	0.00
15.	62.90	49.73	32.63	27.57	25.22	25.07	23.70	24.63	23.63	29.72	45.17	0.00	0.00	0.00
20.	65.36	55.63	34.51	28.88	26.32	25.82	24.25	24.42	23.25	29.15	45.05	0.00	0.00	0.00
25.	71.90	59.05	45.71	30.73	29.02	27.92	25.25	25.70	24.02	30.46	48.51	0.00	0.00	0.00
30.	78.55	67.79	58.12	42.15	32.29	30.71	27.22	27.63	25.35	35.58	55.58	0.00	0.00	0.00
35.	110.37	97.52	79.79	52.61	44.05	39.17	31.02	32.65	28.82	43.34	69.98	0.00	0.00	0.00
40.	183.25	159.27	134.02	70.95	56.66	53.98	40.07	40.90	35.27	71.98	95.45	0.00	0.00	0.00
45.	270.44	239.15	168.75	89.52	72.39	76.00	56.98	56.05	43.22	110.05	140.00	0.00	0.00	0.00
50.	340.66	305.00	230.68	114.61	88.50	91.02	65.89	62.55	47.49	156.82	197.82	0.00	0.00	0.00
55.	365.95	329.76	260.76	147.02	116.39	110.83	76.12	71.15	50.10	201.70	236.85	0.00	0.00	0.00
60.	394.29	348.57	283.80	152.88	136.38	121.71	78.69	82.71	54.78	222.17	283.19	0.00	0.00	0.00
65.	435.95	385.71	302.88	174.97	137.80	129.22	85.57	80.12	56.00	228.40	325.55	0.00	0.00	0.00
70.	434.65	401.90	316.34	170.85	138.45	127.95	86.86	89.53	60.21	235.00	359.40	0.00	0.00	0.00
75.	471.63	438.33	353.29	184.38	133.47	136.82	88.98	96.36	57.93	258.00	399.59	0.00	0.00	0.00
80.	466.74	422.86	316.45	199.55	157.67	141.67	101.32	95.67	58.52	257.90	432.02	0.00	0.00	0.00
85.	514.52	435.35	330.21	205.76	162.85	147.25	101.68	102.63	70.71	264.66	459.07	0.00	0.00	0.00
90.	529.53	463.49	330.43	201.73	147.75	123.02	95.79	106.90	66.19	256.93	501.19	0.00	0.00	0.00
95.	550.70	473.72	318.83	230.07	175.13	124.83	101.32	115.44	70.68	277.73	510.93	0.00	0.00	0.00
100.	541.86	479.53	341.17	245.24	187.90	145.75	119.15	117.39	78.83	285.10	545.71	0.00	0.00	0.00
105.	562.32	494.42	382.86	238.32	194.42	158.97	111.12	111.08	86.31	310.88	560.00	0.00	0.00	0.00
110.	589.05	519.53	420.95	264.71	200.07	177.75	117.02	119.78	94.57	341.98	604.52	0.00	0.00	0.00
115.	601.16	523.95	437.38	316.44	199.10	201.42	135.70	123.37	88.48	341.02	625.71	0.00	0.00	0.00
120.	609.28	543.72	456.67	316.12	230.25	194.67	136.00	130.58	109.07	341.83	631.67	0.00	0.00	0.00
125.	612.38	543.26	435.00	310.44	255.29	203.58	136.72	121.03	102.49	346.93	648.81	0.00	0.00	0.00
130.	584.42	517.62	387.86	295.61	234.32	205.41	142.02	125.07	102.49	329.90	655.24	0.00	0.00	0.00
135.	589.52	516.19	394.76	294.00	232.85	176.22	124.29	143.05	94.83	326.05	659.05	0.00	0.00	0.00
140.	579.77	544.05	400.71	289.27	229.22	189.72	136.38	136.97	97.12	307.12	658.09	0.00	0.00	0.00
145.	609.28	547.86	405.35	294.41	203.02	185.67	144.30	157.92	92.48	295.05	657.86	0.00	0.00	0.00
150.	566.51	519.76	397.86	293.90	222.82	196.52	164.55	152.75	90.38	230.92	657.62	0.00	0.00	0.00
155.	557.91	512.56	406.28	296.88	214.82	186.22	148.42	140.72	94.81	216.67	657.38	0.00	0.00	0.00
160.	552.56	491.63	361.93	278.15	217.85	190.80	141.85	144.52	102.00	221.90	657.86	0.00	0.00	0.00
165.	549.53	500.48	368.84	293.29	219.82	198.13	143.05	139.17	113.29	229.12	659.52	0.00	0.00	0.00
170.	550.00	518.33	390.71	293.63	231.02	191.95	151.52	137.65	114.29	220.68	660.00	0.00	0.00	0.00
175.	550.48	495.58	398.81	288.07	227.90	200.95	155.90	123.46	124.66	236.63	659.28	0.00	0.00	0.00
180.	554.65	501.67	363.72	291.24	231.27	191.17	146.85	155.05	121.68	220.78	655.00	0.00	0.00	0.00
185.	558.37	498.81	368.55	285.27	230.95	184.40	149.85	164.25	92.71	220.10	656.43	0.00	0.00	0.00
190.	529.77	469.30	354.59	293.10	221.13	195.77	135.52	141.63	104.73	228.02	645.00	0.00	0.00	0.00
195.	524.65	465.81	362.67	284.68	232.77	189.07	135.50	141.35	100.83	220.42	642.38	0.00	0.00	0.00
200.	544.88	497.62	358.24	273.29	225.52	191.32	126.98	145.35	100.24	223.97	642.14	0.00	0.00	0.00
205.	545.00	473.37	361.93	285.93	204.00	204.88	146.35	146.20	91.48	222.05	635.24	0.00	0.00	0.00
210.	518.60	468.60	327.21	271.98	203.05	203.10	159.92	142.80	87.86	220.61	626.19	0.00	0.00	0.00
215.	513.33	459.30	353.62	267.51	241.56	220.25	149.52	135.10	87.43	225.75	609.70	0.00	0.00	0.00
220.	511.16	452.62	346.66	264.19	221.10	183.80	137.22	137.67	82.98	221.42	609.28	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	491.63	458.33	347.31	248.12	193.82	191.65	147.12	149.97	81.93	219.80	604.28	0.00	0.00	0.00
230.	492.62	433.95	328.95	251.78	197.42	196.02	127.00	134.40	91.67	217.45	583.26	0.00	0.00	0.00
235.	495.48	436.43	317.27	234.73	180.67	174.75	122.90	120.95	04.71	217.35	586.67	0.00	0.00	0.00
240.	474.42	439.30	323.00	239.66	193.87	200.15	135.63	123.73	89.52	221.57	560.93	0.00	0.00	0.00
245.	468.14	434.52	312.12	241.24	194.07	197.80	145.90	127.51	85.50	221.47	550.46	0.00	0.00	0.00
250.	452.09	410.48	315.10	239.15	187.02	182.30	141.70	126.15	82.24	215.22	551.67	0.00	0.00	0.00
255.	454.05	407.44	293.50	231.67	188.10	200.95	139.80	111.46	69.88	201.22	524.80	0.00	0.00	0.00
260.	458.37	408.81	310.54	229.51	215.70	192.82	126.05	101.76	60.05	202.22	511.16	0.00	0.00	0.00
265.	436.90	390.95	288.63	225.90	180.90	177.27	119.83	109.83	67.67	199.97	491.63	0.00	0.00	0.00
270.	406.74	363.00	280.22	221.15	169.80	182.88	124.66	109.00	78.22	190.32	474.42	0.00	0.00	0.00
275.	404.65	360.50	263.34	207.95	171.88	171.00	118.22	114.22	79.74	194.85	461.86	0.00	0.00	0.00
280.	394.76	355.86	253.93	202.72	158.52	151.22	113.80	103.90	77.29	190.95	458.09	0.00	0.00	0.00
285.	386.12	349.69	252.10	200.10	165.12	187.20	126.12	104.98	72.71	180.90	435.84	0.00	0.00	0.00
290.	382.19	326.86	257.07	190.45	165.07	159.63	100.49	104.66	70.44	173.92	435.14	0.00	0.00	0.00
295.	366.37	322.86	239.73	178.42	145.17	160.82	101.22	96.45	70.46	173.97	424.81	0.00	0.00	0.00
300.	364.55	316.36	228.49	186.30	147.30	145.30	96.71	96.67	66.83	166.37	404.51	0.00	0.00	0.00
305.	348.37	311.88	221.17	179.67	154.30	149.25	100.17	101.60	70.19	164.92	402.52	0.00	0.00	0.00
310.	346.76	302.44	226.17	177.27	160.97	165.77	109.05	101.95	62.93	162.67	392.52	0.00	0.00	0.00
315.	326.43	282.49	219.85	165.30	140.32	140.47	96.52	87.43	58.67	159.30	382.17	0.00	0.00	0.00
320.	317.26	282.56	222.00	175.05	161.70	147.85	90.93	81.45	63.86	153.80	364.07	0.00	0.00	0.00
325.	312.56	271.39	199.20	158.42	126.85	127.34	86.29	78.57	64.19	149.70	364.19	0.00	0.00	0.00
330.	303.24	264.02	200.80	155.25	139.75	129.00	83.45	75.98	73.73	148.10	355.93	0.00	0.00	0.00
335.	293.93	253.88	193.65	153.97	120.39	127.66	79.02	78.73	61.79	139.22	348.31	0.00	0.00	0.00
340.	278.90	242.93	183.65	143.92	104.15	126.44	94.40	84.76	58.85	145.85	341.00	0.00	0.00	0.00
345.	279.56	239.61	179.57	142.60	109.98	121.95	85.62	75.73	59.24	140.45	342.29	0.00	0.00	0.00
350.	267.90	229.61	177.25	139.65	113.19	114.73	83.95	75.88	60.29	139.67	327.55	0.00	0.00	0.00
355.	269.15	229.93	171.45	137.75	105.12	110.07	79.32	78.51	59.07	135.60	320.98	0.00	0.00	0.00
360.	250.29	223.05	172.45	139.17	109.73	112.17	77.22	75.95	57.44	126.90	315.50	0.00	0.00	0.00
365.	253.22	226.47	182.57	140.32	113.41	117.29	81.81	75.83	50.90	118.17	317.63	0.00	0.00	0.00
370.	241.37	205.90	156.50	129.54	106.24	125.44	81.57	73.22	53.05	119.05	312.85	0.00	0.00	0.00
375.	249.66	207.93	167.57	129.39	110.78	104.78	74.27	76.95	50.90	118.22	307.37	0.00	0.00	0.00
380.	249.17	203.00	153.72	121.95	100.49	105.00	77.02	65.19	48.19	112.12	302.88	0.00	0.00	0.00
385.	238.73	200.24	158.97	120.63	107.58	105.32	73.71	72.46	51.29	106.56	291.76	0.00	0.00	0.00
390.	239.71	197.10	147.07	119.73	103.00	103.85	73.19	69.68	51.44	104.71	293.63	0.00	0.00	0.00
395.	236.80	197.72	151.40	118.37	95.40	97.00	67.19	63.55	51.68	101.58	290.54	0.00	0.00	0.00
400.	227.88	188.22	142.42	113.19	88.00	96.00	67.55	62.81	51.76	101.19	286.56	0.00	0.00	0.00
405.	206.85	183.45	139.85	111.34	84.00	110.05	71.44	66.09	48.24	101.85	282.54	0.00	0.00	0.00
410.	218.52	187.47	143.32	110.80	81.05	95.33	71.58	71.63	48.41	102.19	278.95	0.00	0.00	0.00
415.	205.98	176.20	126.19	107.41	83.03	91.79	70.27	63.17	49.68	102.63	275.24	0.00	0.00	0.00
420.	202.40	177.55	134.55	103.80	81.43	87.09	65.02	64.40	50.88	92.71	271.98	0.00	0.00	0.00
425.	202.34	173.95	125.44	94.74	79.26	83.00	61.52	59.79	47.12	91.45	268.76	0.00	0.00	0.00
430.	197.88	169.02	119.34	96.95	82.75	84.45	62.90	56.66	41.78	87.49	265.10	0.00	0.00	0.00
435.	187.82	165.55	134.60	94.43	78.81	81.43	60.95	54.54	43.66	87.67	262.02	0.00	0.00	0.00
440.	181.37	159.17	118.17	94.48	76.90	78.24	59.48	52.90	49.07	85.67	259.10	0.00	0.00	0.00
445.	183.72	156.52	114.34	88.93	78.83	78.90	58.17	56.05	49.46	81.21	256.02	0.00	0.00	0.00
450.	170.92	152.70	112.78	91.88	75.27	76.66	56.37	53.88	43.15	81.36	253.00	0.00	0.00	0.00
455.	165.12	152.55	109.51	86.17	74.27	79.05	58.51	50.07	46.98	80.76	250.34	0.00	0.00	0.00
460.	161.17	144.45	103.90	83.38	65.52	69.71	56.80	48.49	43.39	80.69	247.80	0.00	0.00	0.00
465.	158.02	145.82	104.98	84.64	66.93	69.98	50.80	50.78	42.46	81.76	244.83	0.00	0.00	0.00
470.	153.27	144.27	113.27	80.57	64.67	72.41	54.49	50.39	46.37	81.56	242.66	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	152.70	143.97	108.83	81.81	76.78	71.73	50.56	47.85	49.76	78.15	240.10	0.00	0.00	0.00
480.	152.65	138.85	101.76	80.12	64.79	65.90	51.27	52.10	44.12	79.12	237.78	0.00	0.00	0.00
485.	150.40	133.45	95.21	77.41	62.36	70.17	53.66	46.32	40.10	77.90	235.39	0.00	0.00	0.00
490.	142.52	126.17	91.64	78.73	64.57	65.17	59.07	46.17	45.07	75.56	233.61	0.00	0.00	0.00
495.	142.25	126.68	90.48	75.78	66.29	70.27	49.41	47.98	44.12	73.24	230.85	0.00	0.00	0.00
500.	135.75	126.90	102.58	75.95	66.59	63.69	47.19	47.41	44.83	73.44	228.90	0.00	0.00	0.00
505.	138.25	122.17	89.67	77.73	64.83	63.93	49.29	46.34	44.05	71.02	232.55	0.00	0.00	0.00
510.	135.87	119.88	90.07	75.61	63.74	60.05	47.85	44.07	40.80	67.83	230.65	0.00	0.00	0.00
515.	127.44	112.83	87.57	70.19	57.90	60.86	46.19	42.29	42.22	67.45	228.60	0.00	0.00	0.00
520.	126.85	117.15	82.45	67.31	58.10	58.83	46.17	43.00	41.61	66.98	227.22	0.00	0.00	0.00
525.	123.78	119.54	85.86	72.93	58.21	59.09	44.76	45.05	47.00	70.71	225.47	0.00	0.00	0.00
530.	119.85	110.44	06.43	70.66	57.88	59.17	45.49	45.61	48.93	71.56	224.10	0.00	0.00	0.00
535.	120.32	109.71	83.21	69.90	58.24	58.64	46.32	44.49	41.22	66.43	222.88	0.00	0.00	0.00
540.	121.63	112.71	82.31	67.67	56.24	58.34	44.54	42.56	40.51	70.00	221.05	0.00	0.00	0.00
545.	122.78	110.15	84.57	65.71	59.67	61.83	43.27	41.19	38.73	67.64	219.65	0.00	0.00	0.00
550.	113.24	110.68	88.05	65.02	56.39	56.76	43.00	45.12	40.00	66.05	218.22	0.00	0.00	0.00
555.	115.71	107.05	77.17	63.62	58.67	56.44	42.73	42.39	40.12	63.40	216.65	0.00	0.00	0.00
560.	114.80	106.34	80.21	66.69	59.40	58.50	43.22	41.49	39.10	64.59	215.75	0.00	0.00	0.00
565.	116.71	105.10	79.81	66.90	57.68	58.17	43.63	40.17	34.90	64.07	214.25	0.00	0.00	0.00
570.	110.68	103.95	78.24	63.95	53.10	51.93	41.19	42.71	30.19	63.19	207.80	0.00	0.00	0.00
575.	111.51	104.66	77.78	64.76	53.02	53.41	42.12	41.80	41.61	60.98	206.61	0.00	0.00	0.00
580.	110.63	104.34	77.88	63.93	55.39	55.49	43.34	39.37	42.44	58.83	205.41	0.00	0.00	0.00
585.	108.10	102.58	78.69	64.00	53.85	55.22	43.07	41.95	38.66	60.24	204.34	0.00	0.00	0.00
590.	107.39	101.41	77.34	61.48	56.12	50.95	43.39	40.24	35.83	60.79	203.49	0.00	0.00	0.00
595.	105.73	103.02	78.98	64.31	57.10	50.69	43.46	41.61	36.98	59.05	202.37	0.00	0.00	0.00
600.	105.63	104.02	79.24	64.95	57.63	50.68	42.49	40.34	38.83	58.27	201.15	0.00	0.00	0.00
605.	102.10	95.21	78.98	62.52	53.32	55.19	40.68	38.63	38.02	59.00	200.15	0.00	0.00	0.00
610.	101.61	95.55	78.12	60.69	57.17	55.46	41.27	41.34	39.54	59.02	199.34	0.00	0.00	0.00
615.	102.19	94.29	75.27	61.95	54.80	52.05	39.66	40.27	34.63	59.10	202.65	0.00	0.00	0.00
620.	100.68	93.43	71.02	60.07	51.24	51.90	39.90	40.17	38.41	58.21	201.90	0.00	0.00	0.00
625.	97.57	91.12	65.02	58.05	52.41	53.05	38.49	41.10	35.41	59.05	200.67	0.00	0.00	0.00
630.	95.86	91.90	71.49	58.02	50.66	51.12	37.15	36.49	34.66	58.00	199.50	0.00	0.00	0.00
635.	100.78	91.52	71.78	57.98	56.27	47.27	37.71	38.98	35.68	57.68	198.60	0.00	0.00	0.00
640.	96.48	87.62	64.93	57.34	54.80	48.49	38.24	38.78	37.12	56.80	197.38	0.00	0.00	0.00
645.	95.12	88.52	67.38	57.27	49.98	52.19	40.83	37.41	35.56	55.63	196.10	0.00	0.00	0.00
650.	93.38	89.81	70.34	58.68	51.66	53.32	39.78	37.12	35.63	56.24	195.02	0.00	0.00	0.00
655.	92.24	89.36	72.15	58.88	49.78	50.39	39.15	39.37	33.58	55.88	194.55	0.00	0.00	0.00
660.	89.98	88.24	73.61	57.00	51.00	55.02	42.32	36.27	32.68	54.68	193.42	0.00	0.00	0.00
665.	90.98	88.09	70.90	56.93	48.66	52.88	39.93	35.83	34.95	55.68	192.52	0.00	0.00	0.00
670.	91.29	85.57	65.88	57.63	50.22	52.12	38.83	37.93	38.29	55.44	191.37	0.00	0.00	0.00
675.	89.69	83.55	69.85	56.24	48.73	53.12	38.46	36.90	35.71	54.63	190.42	0.00	0.00	0.00
680.	86.88	84.76	73.00	55.95	48.54	48.83	37.85	35.93	35.05	54.19	189.65	0.00	0.00	0.00
685.	88.24	83.90	65.00	55.95	49.29	48.93	36.61	37.56	35.95	55.15	188.57	0.00	0.00	0.00
690.	87.83	84.59	70.24	53.63	46.27	49.22	37.85	38.88	33.73	54.24	187.95	0.00	0.00	0.00
695.	86.90	85.52	65.64	55.98	47.73	49.61	38.93	37.44	33.44	53.02	187.17	0.00	0.00	0.00

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	0.00	0.00	19.64	9351.69	0.02	-0.01	-0.01	0.43	0.00	0.00	0.00	0.00	21.00	0.01
0.	0.00	0.00	29.88	9340.14	0.02	-0.01	-0.00	0.09	0.00	0.00	0.00	0.00	21.08	-0.74
0.	0.00	0.00	40.35	9366.14	0.02	-0.01	-0.00	0.31	0.00	0.00	0.00	0.00	21.00	-0.54
0.	0.00	0.00	50.58	9348.80	0.02	-0.01	-0.00	-0.34	0.00	0.00	0.00	0.00	21.10	0.56
0.	0.00	0.00	59.84	9213.02	0.02	-0.01	-0.00	-0.17	0.00	0.00	0.00	0.00	21.00	0.09
0.	0.00	0.00	70.10	9241.91	0.01	-0.01	-0.00	-0.18	0.00	0.00	0.00	0.00	21.09	0.63
5.	0.00	0.00	10.39	9377.69	0.03	0.13	0.15	1.27	0.00	0.00	0.00	0.00	21.00	2.87
10.	0.00	0.00	19.65	9389.25	0.03	0.11	0.12	1.00	0.00	0.00	0.00	0.00	20.91	2.31
15.	0.00	0.00	29.88	9357.47	0.03	0.10	0.11	-0.45	0.00	0.00	0.00	0.00	20.61	4.91
20.	0.00	0.00	40.35	9354.58	0.04	0.10	0.12	0.43	0.00	0.00	0.00	0.00	20.30	2.16
25.	0.00	0.00	50.59	9317.02	0.00	0.13	0.20	-0.38	0.00	0.00	0.00	0.00	20.25	3.77
30.	0.00	0.00	59.86	9322.80	0.12	0.19	0.34	0.31	0.00	0.00	0.00	0.00	20.24	4.55
35.	0.00	0.00	70.10	9227.46	0.27	0.29	0.65	0.31	0.00	0.00	0.00	0.00	20.21	7.58
40.	0.00	0.00	10.39	9181.24	0.56	0.45	1.23	3.50	0.00	0.00	0.00	0.00	20.03	6.38
45.	0.00	0.00	19.64	8924.12	0.94	0.69	2.45	2.32	0.00	0.00	0.00	0.00	19.52	6.64
50.	0.00	0.00	29.89	8721.89	1.23	0.90	3.52	-0.35	0.00	0.00	0.00	0.00	18.43	8.56
55.	0.00	0.00	40.35	8664.11	1.36	0.99	4.20	0.43	0.00	0.00	0.00	0.00	16.66	6.08
60.	0.00	0.00	50.59	8508.10	1.48	1.02	5.28	0.23	0.00	0.00	0.00	0.00	14.69	11.53
65.	0.00	0.00	59.87	8340.54	1.55	0.94	5.55	-1.05	0.00	0.00	0.00	0.00	12.92	14.75
70.	0.00	0.00	70.10	8132.53	1.74	0.87	5.98	-0.79	0.00	0.00	0.00	0.00	11.71	9.87
75.	0.00	0.00	10.39	7964.97	1.88	0.84	6.77	4.42	0.00	0.00	0.00	0.00	10.98	13.65
80.	0.00	0.00	19.65	7739.63	1.90	0.85	6.93	0.76	0.00	0.00	0.00	0.00	10.11	15.11
85.	0.00	0.00	29.88	7537.40	2.03	0.86	7.46	-0.76	0.00	0.00	0.00	0.00	9.50	14.87
90.	0.00	0.00	40.35	7453.62	2.14	0.87	7.74	-0.54	0.00	0.00	0.00	0.00	9.43	15.27
95.	0.00	0.00	50.59	7236.94	2.26	0.87	7.55	-0.95	0.00	0.00	0.00	0.00	9.10	12.05
100.	0.00	0.00	59.86	7046.27	2.34	0.89	8.07	-1.06	0.00	0.00	0.00	0.00	9.01	7.19
105.	0.00	0.00	70.11	6841.15	2.54	0.89	8.06	-0.96	0.00	0.00	0.00	0.00	8.87	13.70
110.	0.00	0.00	10.39	6659.14	2.87	0.96	10.35	4.52	0.00	0.00	0.00	0.00	9.05	10.96
115.	0.00	0.00	19.65	6468.47	2.79	1.02	10.17	4.72	0.00	0.00	0.00	0.00	9.11	11.23
120.	0.00	0.00	29.88	6269.13	2.85	0.99	9.96	1.93	0.00	0.00	0.00	0.00	9.28	5.98
125.	0.00	0.00	40.35	6136.23	2.77	0.98	9.47	-0.74	0.00	0.00	0.00	0.00	9.00	9.30
130.	0.00	0.00	50.59	5948.45	2.71	0.94	8.51	-0.71	0.00	0.00	0.00	0.00	9.07	15.93
135.	0.00	0.00	59.86	5754.89	2.68	0.92	8.68	-0.56	0.00	0.00	0.00	0.00	9.31	10.25
140.	0.00	0.00	70.10	5619.10	2.91	0.90	8.42	-0.88	0.00	0.00	0.00	0.00	9.48	5.21
145.	0.00	0.00	10.39	5445.77	2.83	0.87	8.25	5.21	0.00	0.00	0.00	0.00	9.76	11.30
150.	0.00	0.00	19.64	5269.53	2.78	0.86	8.39	3.88	0.00	0.00	0.00	0.00	9.81	10.90
155.	0.00	0.00	29.88	5159.75	2.74	0.84	8.16	1.22	0.00	0.00	0.00	0.00	9.76	8.96
160.	0.00	0.00	40.34	4992.19	2.83	0.84	8.26	-0.63	0.00	0.00	0.00	0.00	10.19	13.58
165.	0.00	0.00	50.58	4824.63	2.83	0.84	8.88	-0.58	0.00	0.00	0.00	0.00	10.66	8.47
170.	0.00	0.00	59.86	4671.52	2.82	0.85	8.90	-0.64	0.00	0.00	0.00	0.00	10.62	7.59
175.	0.00	0.00	70.10	4567.51	2.72	0.82	8.06	-0.89	0.00	0.00	0.00	0.00	10.76	11.34
180.	0.00	0.00	10.39	4411.50	2.70	0.78	8.14	5.04	0.00	0.00	0.00	0.00	10.85	12.50
185.	0.00	0.00	19.65	4264.16	2.62	0.76	7.97	3.30	0.00	0.00	0.00	0.00	10.85	6.29
190.	0.00	0.00	29.89	4174.60	2.60	0.75	7.47	2.00	0.00	0.00	0.00	0.00	10.59	14.12
195.	0.00	0.00	40.35	4021.49	2.58	0.73	7.31	-0.41	0.00	0.00	0.00	0.00	11.02	12.31
200.	0.00	0.00	50.58	3888.59	2.53	0.70	6.69	1.04	0.00	0.00	0.00	0.00	11.43	11.15
205.	0.00	0.00	59.86	3770.15	2.43	0.68	6.48	0.34	0.00	0.00	0.00	0.00	11.77	12.09
210.	0.00	0.00	70.11	3634.36	2.51	0.66	6.32	-0.83	0.00	0.00	0.00	0.00	11.85	8.57
215.	0.00	0.00	10.39	3498.58	2.33	0.64	6.10	4.93	0.00	0.00	0.00	0.00	12.07	14.36
220.	0.00	0.00	19.64	3426.35	2.27	0.62	5.69	3.63	0.00	0.00	0.00	0.00	12.20	4.76

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	0.00	0.00	29.88	3281.90	2.21	0.61	5.50	2.04	0.00	0.00	0.00	0.00	12.44	11.51
230.	0.00	0.00	40.34	3169.23	2.14	0.57	5.33	-0.49	0.00	0.00	0.00	0.00	12.87	7.95
235.	0.00	0.00	50.59	3085.45	2.13	0.56	5.19	-0.70	0.00	0.00	0.00	0.00	12.93	7.79
240.	0.00	0.00	59.87	2917.89	2.10	0.54	5.09	-0.59	0.00	0.00	0.00	0.00	13.33	6.90
245.	0.00	0.00	70.10	2874.55	1.96	0.51	4.41	-1.11	0.00	0.00	0.00	0.00	13.40	10.32
250.	0.00	0.00	10.39	2750.33	1.87	0.48	4.07	4.38	0.00	0.00	0.00	0.00	13.43	14.51
255.	0.00	0.00	19.65	2626.10	1.69	0.45	3.86	3.65	0.00	0.00	0.00	0.00	13.81	6.46
260.	0.00	0.00	29.88	2608.77	1.66	0.41	3.57	-0.70	0.00	0.00	0.00	0.00	14.26	7.30
265.	0.00	0.00	40.35	2481.65	1.48	0.38	3.00	0.11	0.00	0.00	0.00	0.00	14.53	14.18
270.	0.00	0.00	50.59	2403.65	1.45	0.35	2.84	-0.91	0.00	0.00	0.00	0.00	14.94	9.28
275.	0.00	0.00	59.86	2325.65	1.37	0.33	2.70	-1.03	0.00	0.00	0.00	0.00	15.35	7.43
280.	0.00	0.00	70.11	2264.98	1.32	0.31	2.48	-0.93	0.00	0.00	0.00	0.00	15.80	11.27
285.	0.00	0.00	10.39	2201.42	1.28	0.30	2.40	4.35	0.00	0.00	0.00	0.00	16.08	9.05
290.	0.00	0.00	19.64	2108.97	1.23	0.29	2.32	3.29	0.00	0.00	0.00	0.00	16.31	9.05
295.	0.00	0.00	29.88	2097.41	1.11	0.27	2.16	-0.54	0.00	0.00	0.00	0.00	16.47	5.33
300.	0.00	0.00	40.34	2004.97	1.09	0.26	2.00	-0.62	0.00	0.00	0.00	0.00	16.64	4.75
305.	0.00	0.00	50.59	1961.63	1.02	0.25	1.79	0.50	0.00	0.00	0.00	0.00	16.79	6.75
310.	0.00	0.00	59.86	1933.52	0.93	0.24	1.74	-0.44	0.00	0.00	0.00	0.00	17.07	9.30
315.	0.00	0.00	70.10	1846.07	0.88	0.23	1.65	-0.69	0.00	0.00	0.00	0.00	17.32	7.39
320.	0.00	0.00	10.39	1828.74	0.86	0.22	1.48	3.47	0.00	0.00	0.00	0.00	17.37	9.95
325.	0.00	0.00	19.64	1791.18	0.82	0.21	1.48	3.04	0.00	0.00	0.00	0.00	17.57	6.29
330.	0.00	0.00	29.89	1747.85	0.77	0.21	1.34	-0.51	0.00	0.00	0.00	0.00	17.78	8.17
335.	0.00	0.00	40.35	1710.29	0.72	0.20	1.26	-0.19	0.00	0.00	0.00	0.00	17.90	6.03
340.	0.00	0.00	50.59	1701.62	0.70	0.19	1.21	0.21	0.00	0.00	0.00	0.00	18.02	6.17
345.	0.00	0.00	59.86	1626.51	0.67	0.19	1.10	0.33	0.00	0.00	0.00	0.00	18.12	3.59
350.	0.00	0.00	70.10	1635.17	0.64	0.18	1.10	-0.80	0.00	0.00	0.00	0.00	18.26	7.66
355.	0.00	0.00	10.39	1591.84	0.62	0.18	0.99	3.09	0.00	0.00	0.00	0.00	18.37	5.45
360.	0.00	0.00	19.64	1534.06	0.59	0.17	0.97	2.42	0.00	0.00	0.00	0.00	18.52	6.18
365.	0.00	0.00	29.88	1534.06	0.59	0.17	0.86	0.16	0.00	0.00	0.00	0.00	18.58	8.17
370.	0.00	0.00	40.35	1496.50	0.54	0.17	0.81	-0.59	0.00	0.00	0.00	0.00	18.68	8.13
375.	0.00	0.00	50.59	1476.28	0.52	0.17	0.87	0.46	0.00	0.00	0.00	0.00	18.80	3.03
380.	0.00	0.00	59.86	1479.17	0.51	0.17	0.84	0.17	0.00	0.00	0.00	0.00	18.88	3.00
385.	0.00	0.00	70.10	1453.17	0.48	0.17	0.75	-0.69	0.00	0.00	0.00	0.00	18.93	4.18
390.	0.00	0.00	10.39	1438.72	0.48	0.16	0.71	2.76	0.00	0.00	0.00	0.00	18.98	5.08
395.	0.00	0.00	19.65	1392.50	0.46	0.16	0.72	1.19	0.00	0.00	0.00	0.00	19.12	4.82
400.	0.00	0.00	29.88	1378.05	0.45	0.16	0.67	0.34	0.00	0.00	0.00	0.00	19.18	6.15
405.	0.00	0.00	40.35	1389.61	0.41	0.15	0.71	-0.49	0.00	0.00	0.00	0.00	19.19	2.19
410.	0.00	0.00	50.58	1372.28	0.41	0.15	0.63	-0.61	0.00	0.00	0.00	0.00	19.23	2.30
415.	0.00	0.00	59.86	1389.61	0.43	0.16	0.64	-0.88	0.00	0.00	0.00	0.00	19.32	3.55
420.	0.00	0.00	70.10	1311.61	0.38	0.16	0.64	-0.63	0.00	0.00	0.00	0.00	19.38	6.12
425.	0.00	0.00	10.39	1369.39	0.38	0.15	0.61	2.17	0.00	0.00	0.00	0.00	19.45	6.82
430.	0.00	0.00	19.64	1375.16	0.36	0.15	0.59	2.03	0.00	0.00	0.00	0.00	19.53	3.57
435.	0.00	0.00	29.88	1297.16	0.34	0.15	0.54	-0.40	0.00	0.00	0.00	0.00	19.64	4.80
440.	0.00	0.00	40.34	1297.16	0.32	0.15	0.51	-0.55	0.00	0.00	0.00	0.00	19.67	2.45
445.	0.00	0.00	50.59	1274.05	0.33	0.15	0.50	-0.67	0.00	0.00	0.00	0.00	19.77	2.00
450.	0.00	0.00	59.87	1279.83	0.32	0.15	0.51	-0.98	0.00	0.00	0.00	0.00	19.85	5.38
455.	0.00	0.00	70.10	1297.16	0.31	0.15	0.47	-0.77	0.00	0.00	0.00	0.00	19.93	3.68
460.	0.00	0.00	10.39	1302.94	0.29	0.15	0.51	2.09	0.00	0.00	0.00	0.00	20.01	2.22
465.	0.00	0.00	19.64	1302.94	0.28	0.15	0.52	1.41	0.00	0.00	0.00	0.00	20.05	4.91
470.	0.00	0.00	29.88	1262.49	0.28	0.15	0.47	-0.42	0.00	0.00	0.00	0.00	20.12	2.26

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	0.00	0.00	40.35	1262.49	0.28	0.15	0.50	-0.54	0.00	0.00	0.00	0.00	20.14	3.06
480.	0.00	0.00	50.59	1282.72	0.27	0.15	0.52	-0.74	0.00	0.00	0.00	0.00	20.19	3.69
485.	0.00	0.00	59.86	1317.38	0.27	0.15	0.47	-0.00	0.00	0.00	0.00	0.00	20.24	2.32
490.	0.00	0.00	70.11	1233.60	0.26	0.14	0.53	-0.46	0.00	0.00	0.00	0.00	20.23	0.58
495.	0.00	0.00	10.39	1262.49	0.26	0.14	0.51	1.04	0.00	0.00	0.00	0.00	20.31	2.51
500.	0.00	0.00	19.64	1271.16	0.25	0.14	0.43	1.39	0.00	0.00	0.00	0.00	20.34	1.79
505.	0.00	0.00	29.89	1265.38	0.23	0.14	0.46	-0.41	0.00	0.00	0.00	0.00	20.39	2.62
510.	0.00	0.00	40.35	1245.16	0.23	0.14	0.43	-0.29	0.00	0.00	0.00	0.00	20.43	2.04
515.	0.00	0.00	50.59	1265.38	0.24	0.14	0.45	-0.60	0.00	0.00	0.00	0.00	20.50	-0.06
520.	0.00	0.00	59.86	1245.16	0.23	0.14	0.50	0.38	0.00	0.00	0.00	0.00	20.56	1.55
525.	0.00	0.00	70.10	1268.27	0.23	0.14	0.50	0.32	0.00	0.00	0.00	0.00	20.59	2.24
530.	0.00	0.00	10.39	1233.60	0.22	0.14	0.57	1.66	0.00	0.00	0.00	0.00	20.63	-0.14
535.	0.00	0.00	19.64	1314.49	0.22	0.14	0.55	1.24	0.00	0.00	0.00	0.00	20.68	0.30
540.	0.00	0.00	29.88	1276.94	0.21	0.14	0.57	-0.19	0.00	0.00	0.00	0.00	20.73	4.49
545.	0.00	0.00	40.35	1259.60	0.21	0.14	0.56	0.35	0.00	0.00	0.00	0.00	20.76	1.63
550.	0.00	0.00	50.58	1253.83	0.20	0.14	0.51	-0.57	0.00	0.00	0.00	0.00	20.80	0.96
555.	0.00	0.00	59.86	1271.16	0.21	0.14	0.53	0.13	0.00	0.00	0.00	0.00	20.72	0.30
560.	0.00	0.00	70.10	1288.49	0.20	0.14	0.49	-0.73	0.00	0.00	0.00	0.00	20.82	3.84
565.	0.00	0.00	10.39	1242.27	0.20	0.14	0.42	1.55	0.00	0.00	0.00	0.00	20.83	2.85
570.	0.00	0.00	19.64	1216.27	0.20	0.14	0.47	1.30	0.00	0.00	0.00	0.00	20.85	-0.70
575.	0.00	0.00	29.89	1210.49	0.19	0.14	0.45	0.65	0.00	0.00	0.00	0.00	20.85	3.33
580.	0.00	0.00	40.35	1239.38	0.19	0.13	0.50	0.12	0.00	0.00	0.00	0.00	20.88	3.41
585.	0.00	0.00	50.59	1190.27	0.18	0.14	0.47	-0.28	0.00	0.00	0.00	0.00	20.90	2.19
590.	0.00	0.00	59.86	1274.05	0.19	0.14	0.48	-0.58	0.00	0.00	0.00	0.00	20.90	5.14
595.	0.00	0.00	70.11	1227.82	0.18	0.13	0.48	-0.70	0.00	0.00	0.00	0.00	20.91	2.67
600.	0.00	0.00	10.39	1224.93	0.18	0.13	0.50	1.46	0.00	0.00	0.00	0.00	20.90	3.72
605.	0.00	0.00	19.65	1288.49	0.19	0.13	0.43	0.85	0.00	0.00	0.00	0.00	20.93	2.16
610.	0.00	0.00	29.88	1334.72	0.18	0.13	0.42	0.33	0.00	0.00	0.00	0.00	20.93	-0.87
615.	0.00	0.00	40.34	1245.16	0.18	0.13	0.40	-0.73	0.00	0.00	0.00	0.00	20.93	3.40
620.	0.00	0.00	50.58	1285.60	0.17	0.13	0.42	-0.43	0.00	0.00	0.00	0.00	20.93	4.28
625.	0.00	0.00	59.86	1328.94	0.17	0.13	0.44	0.39	0.00	0.00	0.00	0.00	20.92	0.16
630.	0.00	0.00	70.10	1276.94	0.17	0.13	0.42	0.33	0.00	0.00	0.00	0.00	20.94	4.15
635.	0.00	0.00	10.39	1256.72	0.16	0.13	0.43	1.44	0.00	0.00	0.00	0.00	20.94	1.82
640.	0.00	0.00	19.64	1285.60	0.17	0.13	0.40	1.11	0.00	0.00	0.00	0.00	20.95	2.51
645.	0.00	0.00	29.88	1242.27	0.16	0.13	0.42	-0.37	0.00	0.00	0.00	0.00	20.95	3.71
650.	0.00	0.00	40.35	1276.94	0.16	0.13	0.39	-0.29	0.00	0.00	0.00	0.00	20.96	2.92
655.	0.00	0.00	50.59	1311.61	0.16	0.12	0.37	0.05	0.00	0.00	0.00	0.00	20.96	2.40
660.	0.00	0.00	59.87	1239.38	0.16	0.12	0.37	0.50	0.00	0.00	0.00	0.00	20.96	0.24
665.	0.00	0.00	70.10	1256.72	0.16	0.12	0.37	-0.58	0.00	0.00	0.00	0.00	20.95	3.65
670.	0.00	0.00	10.39	1259.60	0.16	0.11	0.37	1.45	0.00	0.00	0.00	0.00	20.95	2.15
675.	0.00	0.00	19.65	1239.38	0.15	0.11	0.34	0.87	0.00	0.00	0.00	0.00	20.96	2.37
680.	0.00	0.00	29.89	1253.83	0.15	0.11	0.36	0.56	0.00	0.00	0.00	0.00	20.98	1.20
685.	0.00	0.00	40.35	1305.83	0.15	0.11	0.37	-0.17	0.00	0.00	0.00	0.00	20.98	0.62
690.	0.00	0.00	50.59	1289.49	0.15	0.11	0.36	0.26	0.00	0.00	0.00	0.00	20.98	1.00
695.	0.00	0.00	59.85	1204.71	0.14	0.11	0.36	-0.93	0.00	0.00	0.00	0.00	20.98	-0.12

TIME	42	43	44	45	46	47	48
0.	0.31	-0.19	-0.05	-0.09	-0.25	0.00	0.00
0.	-0.34	1.07	-0.20	-0.20	1.25	0.00	0.00
0.	0.29	0.11	-0.01	0.24	-0.47	0.00	0.00
0.	0.13	-1.23	0.35	0.38	0.09	0.00	0.00
0.	0.43	-0.30	-0.89	0.73	-0.88	0.00	0.00
0.	-0.81	0.53	0.88	-1.06	0.25	0.00	0.00
5.	2.55	0.64	0.26	-0.50	-0.75	0.00	5.00
10.	1.87	2.51	-1.21	1.17	0.20	0.04	10.00
15.	-0.28	4.50	-1.44	0.58	1.73	0.81	15.00
20.	1.89	0.98	-1.62	1.79	-0.51	0.73	20.00
25.	3.48	1.09	1.11	-1.85	1.18	0.71	25.00
30.	7.89	2.83	-0.95	-2.14	-0.69	0.69	30.00
35.	8.51	3.59	-1.32	2.17	-7.88	0.89	35.00
40.	6.32	5.45	0.88	-0.75	2.20	1.38	40.00
45.	7.32	8.76	-0.80	0.69	-1.11	2.70	45.00
50.	14.31	-1.00	2.26	3.31	-0.59	4.60	50.00
55.	7.43	7.01	0.38	-1.83	1.33	7.31	55.00
60.	9.44	4.47	-1.28	-1.93	4.01	8.88	60.00
65.	9.66	3.83	1.90	-0.93	-0.06	10.53	65.00
70.	6.90	7.48	0.94	-0.94	0.14	11.11	70.00
75.	4.23	8.57	-0.58	1.58	0.15	11.52	75.00
80.	11.50	2.81	3.77	-0.77	-6.65	12.40	80.00
85.	7.57	4.13	-1.18	0.64	1.70	12.76	85.00
90.	7.52	3.70	1.98	2.42	-6.91	12.69	90.00
95.	4.31	11.47	0.26	-2.90	-1.59	13.07	95.00
100.	12.05	3.46	-0.97	0.64	-4.99	12.80	100.00
105.	4.65	9.87	-2.44	2.47	-2.73	13.09	105.00
110.	9.90	8.42	-1.60	0.68	0.89	13.13	110.00
115.	13.20	6.99	-2.16	-0.59	-1.69	12.91	115.00
120.	6.87	9.51	0.93	-0.96	-0.35	13.21	120.00
125.	10.67	6.24	-2.66	-1.59	1.92	13.13	125.00
130.	7.58	7.23	0.68	-3.04	-3.15	12.87	130.00
135.	8.12	8.78	-2.91	-1.42	-0.21	13.33	135.00
140.	15.00	5.02	0.48	-1.91	-0.57	12.73	140.00
145.	12.51	5.39	-2.71	-1.01	0.78	12.28	145.00
150.	12.23	5.63	1.02	1.44	-4.30	12.80	150.00
155.	14.76	6.33	-1.51	0.51	-6.73	12.64	155.00
160.	6.66	8.17	-2.02	0.33	0.27	11.59	160.00
165.	9.67	5.43	1.89	-2.10	-1.78	11.71	165.00
170.	13.88	4.58	0.99	-1.50	-3.94	11.41	170.00
175.	11.28	6.09	-2.67	2.28	-2.20	11.42	175.00
180.	10.25	5.95	1.74	-0.74	-1.95	11.61	180.00
185.	9.64	8.04	-0.50	-1.13	-2.07	11.79	185.00
190.	4.65	9.03	1.06	1.33	-2.27	11.59	190.00
195.	12.04	3.71	0.37	0.65	-3.86	11.10	195.00
200.	13.41	4.83	-0.94	-1.06	1.01	10.52	200.00
205.	8.95	6.15	-1.50	-1.69	-1.79	10.53	205.00
210.	7.32	5.22	1.08	-0.61	0.43	10.16	210.00
215.	7.56	3.93	-2.60	0.63	-2.02	10.29	215.00
220.	11.89	8.52	-2.32	-0.99	-1.50	9.70	220.00

TIME	42	43	44	45	46	47	48
225.	10.62	4.83	-3.65	2.37	-1.43	9.46	225.00
230.	11.86	4.84	-0.70	1.93	-0.47	8.76	230.00
235.	11.97	5.72	-2.41	1.26	1.38	8.89	235.00
240.	10.45	4.41	-0.30	0.58	-3.70	8.56	240.00
245.	9.80	4.04	1.88	-0.21	-2.05	8.53	245.00
250.	7.71	6.39	-0.22	-1.54	-2.24	8.18	250.00
255.	8.49	7.80	-2.84	-1.49	1.20	7.55	255.00
260.	7.89	7.38	-1.17	-0.89	-0.46	7.14	260.00
265.	7.71	7.67	-2.52	0.60	-2.88	6.67	265.00
270.	8.52	6.44	-3.03	-1.78	-0.22	6.29	270.00
275.	7.56	3.33	0.16	-0.77	-3.79	5.73	275.00
280.	5.11	8.05	-3.69	-1.53	-2.17	5.38	280.00
285.	6.40	8.75	-3.02	-0.21	2.69	5.09	285.00
290.	7.18	6.59	-3.47	2.72	-2.30	4.97	290.00
295.	8.63	7.41	-4.56	-1.92	-0.93	4.70	295.00
300.	7.68	5.75	-0.42	-1.61	-2.20	4.67	300.00
305.	6.91	6.14	-1.43	-0.01	-0.04	4.36	305.00
310.	5.99	3.63	1.64	-0.55	-1.72	4.04	310.00
315.	6.85	4.42	-1.73	-0.84	0.12	3.91	315.00
320.	7.29	3.50	-0.04	1.13	-1.96	4.02	320.00
325.	9.01	3.57	-0.13	-1.75	-2.66	3.49	325.00
330.	5.06	4.11	0.58	-0.65	-1.07	3.37	330.00
335.	7.98	6.21	-0.21	-2.89	1.96	3.29	335.00
340.	6.66	0.69	3.14	-3.02	-0.69	3.19	340.00
345.	7.91	5.27	-0.70	-0.67	-1.69	3.06	345.00
350.	7.69	5.29	0.26	-1.96	-0.24	2.83	350.00
355.	7.51	6.33	-4.05	2.02	-2.44	2.68	355.00
360.	5.77	3.77	-1.30	-0.41	0.02	2.58	360.00
365.	0.84	6.59	-2.02	-1.66	1.11	2.53	365.00
370.	2.67	6.19	-2.55	0.10	-1.44	2.36	370.00
375.	7.98	0.58	0.75	-0.99	-1.65	2.26	375.00
380.	7.96	0.63	1.07	-1.29	-1.09	2.18	380.00
385.	7.16	2.83	-0.32	-0.57	-1.95	2.15	385.00
390.	6.50	2.85	-1.43	0.63	-0.14	2.07	390.00
395.	5.67	2.02	1.65	-2.27	0.08	1.91	395.00
400.	7.14	1.31	1.93	-1.43	-2.86	1.94	400.00
405.	6.44	2.14	-1.82	0.64	-3.47	1.91	405.00
410.	5.81	2.76	0.79	-2.69	-0.31	1.76	410.00
415.	7.77	3.46	-1.26	0.62	-1.12	1.71	415.00
420.	2.64	5.14	-1.61	2.01	-0.88	1.61	420.00
425.	3.00	5.38	-1.95	-0.25	-0.01	1.54	425.00
430.	5.99	1.88	-0.15	-0.64	-1.14	1.32	430.00
435.	4.18	2.32	0.58	-1.73	2.31	1.31	435.00
440.	8.45	0.70	0.29	-0.78	-0.49	1.22	440.00
445.	5.76	1.35	-0.41	-0.56	-0.78	1.13	445.00
450.	2.75	3.63	-2.06	-0.58	-2.82	1.03	450.00
455.	4.84	0.93	1.63	-2.24	2.49	0.89	455.00
460.	4.57	0.32	0.89	0.13	-0.22	0.94	460.00
465.	1.12	4.93	-1.99	-1.60	-0.56	0.83	465.00
470.	4.94	1.80	-1.05	-0.14	-2.20	0.76	470.00

TIME	42	43	44	45	46	47	48
475.	5.34	-0.38	0.61	-0.07	0.24	0.72	475.00
480.	2.92	2.57	-1.50	1.89	-2.79	0.65	480.00
485.	2.42	4.10	-2.92	-1.46	-0.78	0.65	485.00
490.	4.00	2.34	-1.74	1.19	-0.78	0.63	490.00
495.	3.75	1.16	0.44	-0.94	-0.64	0.46	495.00
500.	2.42	1.39	-1.20	-1.06	-2.11	0.49	500.00
505.	0.55	4.66	-2.32	1.42	-1.60	0.46	505.00
510.	3.17	2.69	-2.79	1.80	-1.50	0.32	510.00
515.	7.56	0.74	-0.84	0.63	-1.41	0.33	515.00
520.	1.70	3.23	-2.32	0.45	-0.01	0.27	520.00
525.	4.22	0.59	-1.02	0.43	-1.63	0.23	525.00
530.	7.61	-2.93	1.55	-1.32	-3.98	0.16	530.00
535.	5.55	-0.32	0.29	0.45	-1.51	0.14	535.00
540.	1.76	2.62	-3.42	2.45	-1.44	0.11	540.00
545.	1.59	3.75	-2.63	-2.11	-1.96	0.10	545.00
550.	3.30	0.70	-0.55	-0.85	-1.07	0.04	550.00
555.	3.60	2.27	-1.90	1.94	-1.53	0.07	555.00
560.	4.64	3.54	-0.49	-0.16	0.18	0.05	560.00
565.	0.59	2.59	0.02	-1.79	1.95	0.05	565.00
570.	4.41	-0.53	0.19	-0.98	-1.60	0.04	570.00
575.	1.28	2.50	0.46	-2.53	3.76	0.04	575.00
580.	1.29	-0.07	1.74	-2.91	1.63	0.03	580.00
585.	2.52	1.33	-1.20	-0.19	0.12	0.01	585.00
590.	0.66	2.98	-1.61	0.13	1.91	0.02	590.00
595.	2.85	0.23	-0.01	0.45	-2.59	0.01	595.00
600.	0.62	2.62	-0.41	-0.53	-0.17	0.01	600.00
605.	5.17	-2.56	2.22	-1.50	-1.79	0.01	605.00
610.	7.90	-0.14	-0.73	-2.12	-3.05	0.00	610.00
615.	1.63	2.11	-2.51	2.06	-2.12	0.01	615.00
620.	1.93	2.60	-2.05	1.36	-0.09	0.01	620.00
625.	3.07	0.68	-0.50	0.80	-0.69	0.00	625.00
630.	0.98	2.58	-1.20	0.71	-1.36	0.01	630.00
635.	4.65	2.08	-2.09	2.07	-2.09	0.01	635.00
640.	2.38	-0.06	3.01	-1.18	0.06	0.00	640.00
645.	-0.33	3.19	-1.46	0.99	0.34	0.01	645.00
650.	1.16	2.39	-0.19	-0.62	-1.12	0.00	650.00
655.	3.20	0.66	0.74	-0.58	-0.02	0.00	655.00
660.	3.83	-0.63	0.32	-0.49	0.59	0.00	660.00
665.	3.72	-0.54	0.30	0.31	-0.02	0.00	665.00
670.	2.49	0.74	-1.07	0.70	-1.09	0.00	670.00
675.	3.29	-2.63	2.70	-1.73	0.54	0.00	675.00
680.	1.05	2.71	-2.32	1.38	-0.27	0.00	680.00
685.	4.29	-1.44	1.74	-0.48	-1.49	0.00	685.00
690.	2.59	1.69	-2.20	-1.42	-2.08	0.00	690.00
695.	3.79	-0.79	-1.30	-1.64	-2.99	0.00	695.00

PRC8-P-4-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	23.65	21.67	21.45	21.85	21.13	21.10	20.55	22.12	24.35	24.30	23.97	23.67	22.92	22.70
0.	23.95	21.95	21.63	22.10	20.97	21.70	20.17	22.15	24.40	24.30	24.00	23.63	22.92	22.60
0.	23.50	22.35	21.42	21.92	21.07	21.90	20.17	22.10	24.30	24.30	24.00	23.67	22.95	22.60
0.	23.65	22.20	21.20	21.85	21.30	21.77	20.40	22.17	24.40	24.30	24.02	23.65	23.00	22.70
0.	24.27	21.95	21.45	22.27	21.65	22.07	20.42	22.12	24.35	24.32	24.07	23.65	23.02	22.67
0.	24.25	21.57	21.65	22.57	21.00	21.52	20.35	22.17	24.40	24.30	23.95	23.52	23.07	22.67
5.	23.57	23.05	22.05	22.70	21.85	21.30	21.13	30.34	32.46	29.49	28.57	28.32	25.47	23.40
10.	41.41	26.67	23.00	22.38	21.85	21.80	21.07	39.49	42.76	40.85	40.78	36.85	37.05	36.22
15.	58.02	38.34	22.67	22.02	22.25	21.50	21.35	49.80	58.93	55.32	54.05	50.76	47.05	41.83
20.	74.22	58.40	22.38	22.30	21.75	22.30	21.35	64.29	83.43	70.19	66.57	66.19	71.44	59.14
25.	119.61	66.71	23.92	22.88	21.60	22.80	21.20	102.41	124.24	101.95	97.26	96.76	102.22	96.88
30.	162.62	123.00	26.42	23.37	21.15	21.60	20.90	127.90	174.42	155.30	149.77	146.15	150.25	149.32
35.	213.88	85.24	28.02	23.75	22.32	20.52	20.15	171.50	227.12	200.30	199.82	198.38	202.71	199.27
40.	256.44	179.90	29.54	23.97	23.70	21.22	20.52	230.85	291.49	267.78	260.56	264.63	271.76	265.02
45.	315.02	182.90	30.68	26.50	27.50	23.57	20.87	279.02	389.09	368.83	360.81	359.17	346.62	329.62
50.	367.55	204.63	32.41	29.50	26.07	21.90	19.50	351.07	463.49	439.05	432.38	409.28	367.91	358.17
55.	386.19	276.27	59.19	30.12	22.52	25.30	20.77	405.55	526.98	493.33	460.00	439.07	410.00	386.43
60.	426.19	307.32	50.78	30.76	22.42	26.85	21.72	456.05	612.62	550.23	517.38	460.70	435.35	421.19
65.	453.81	341.52	58.10	31.24	25.50	26.70	21.25	514.52	634.52	583.49	545.95	496.05	474.42	454.28
70.	453.57	381.67	63.31	34.07	25.85	27.00	21.60	555.12	667.21	647.86	580.00	540.93	492.79	453.49
75.	466.05	389.76	71.66	36.54	28.22	26.88	21.63	601.63	742.62	706.90	638.33	588.57	551.67	497.38
80.	499.76	382.14	103.98	37.88	32.37	29.57	21.82	643.09	797.80	737.38	661.39	635.00	580.23	549.07
85.	500.71	434.05	206.07	37.83	27.02	30.15	23.90	694.05	821.71	792.44	714.76	668.09	600.46	545.12
90.	493.02	399.28	125.39	36.88	23.77	31.12	21.67	726.43	835.61	790.29	719.05	652.86	566.74	512.09
95.	520.46	475.58	116.56	38.12	33.22	31.93	20.80	740.00	832.44	807.80	749.76	700.95	643.81	546.74
100.	545.95	410.70	145.88	43.63	42.27	30.90	21.95	766.90	853.17	816.58	749.76	700.24	637.86	563.49
105.	545.81	517.86	145.92	43.58	28.88	33.56	25.17	806.58	906.00	854.63	800.00	716.90	658.33	586.74
110.	540.70	490.70	196.45	46.15	36.22	33.80	23.57	797.56	861.46	829.02	774.15	706.67	655.00	579.53
115.	550.37	473.95	198.27	50.41	36.85	32.85	25.80	809.02	870.00	870.75	807.07	739.52	661.16	610.24
120.	584.05	520.95	148.45	51.07	36.15	34.80	21.25	813.90	890.00	861.22	824.63	779.02	697.38	639.05
125.	584.76	510.00	261.51	53.44	41.00	29.27	21.88	822.93	892.19	894.75	828.78	777.32	698.09	640.00
130.	587.91	520.24	199.85	52.73	39.37	33.27	21.13	816.83	911.50	868.00	800.49	740.71	659.77	612.86
135.	603.57	517.86	238.58	48.05	28.67	40.58	22.32	809.51	861.46	840.73	800.00	741.19	698.81	650.00
140.	607.86	541.16	171.30	53.56	38.68	37.44	23.13	817.32	862.19	839.27	803.05	779.76	731.67	672.86
145.	608.81	550.93	261.71	56.12	41.07	39.41	26.05	817.07	871.46	853.90	824.15	792.93	726.43	666.19
150.	583.81	547.44	271.95	54.63	46.56	40.98	23.70	812.19	873.25	833.90	801.22	751.67	704.52	653.09
155.	581.16	519.30	229.13	56.15	43.39	38.61	22.70	810.73	852.41	832.93	805.61	776.63	723.57	659.30
160.	591.43	521.86	239.39	58.39	44.54	40.88	24.13	805.61	855.12	835.61	801.22	772.68	708.57	653.33
165.	607.14	545.81	257.39	61.05	49.85	37.85	24.17	800.24	838.78	830.49	809.51	765.48	721.19	666.90
170.	609.05	568.14	241.71	71.22	48.88	42.88	23.22	803.66	831.46	813.17	772.86	741.19	702.14	660.48
175.	603.81	550.00	245.07	74.24	48.24	43.98	23.65	808.29	854.15	830.24	800.49	753.57	720.00	666.98
180.	583.02	555.58	229.58	83.62	53.12	44.12	26.17	793.90	832.68	815.61	800.49	750.95	701.43	649.76
185.	605.24	460.70	246.27	84.50	53.10	45.44	25.22	793.41	833.90	807.07	763.81	730.48	702.62	659.28
190.	584.88	546.51	268.63	80.36	64.67	45.51	23.82	766.67	812.68	802.44	770.54	738.57	705.80	665.48
195.	587.91	557.21	248.41	67.36	59.76	45.61	23.05	794.39	839.76	824.63	792.44	739.05	697.62	649.76
200.	562.56	517.62	224.32	63.38	50.76	47.71	24.05	780.97	820.49	810.49	780.00	737.38	699.76	651.43
205.	590.48	547.62	228.07	62.40	59.05	48.85	24.13	764.76	813.17	799.51	780.24	735.24	705.24	650.95
210.	600.57	541.63	231.27	79.46	53.56	49.54	25.47	779.27	804.39	796.58	779.02	730.33	702.62	647.62
215.	588.84	523.72	251.68	113.98	50.80	43.95	26.20	766.19	820.49	797.07	751.43	727.62	698.33	653.57
220.	592.86	546.67	244.56	78.09	51.83	29.80	25.15	769.05	812.68	796.58	774.15	733.33	705.95	666.67

PRC8-P-4-1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	586.05	587.38	339.46	77.71	56.32	34.34	25.32	770.48	826.34	808.05	768.33	747.86	715.71	662.56
230.	603.81	549.30	281.83	84.69	55.22	37.34	23.77	768.09	823.90	801.46	778.29	741.19	712.62	672.14
235.	592.62	546.98	311.48	82.81	57.17	42.46	25.97	781.71	809.27	795.85	779.27	739.76	708.09	665.48
240.	584.19	590.24	287.73	79.34	56.73	30.46	23.35	792.93	829.27	818.05	772.62	751.43	716.90	665.48
245.	599.48	521.63	256.37	74.78	49.78	37.98	23.57	795.65	833.66	822.19	793.66	736.90	686.19	634.76
250.	582.56	522.09	228.29	76.56	55.05	44.98	28.00	764.28	820.49	810.00	780.97	729.52	693.81	645.71
255.	592.14	512.38	284.76	109.93	44.19	50.41	25.22	776.10	806.10	794.15	773.66	731.90	698.57	661.43
260.	583.26	545.95	310.51	124.05	43.93	57.61	27.80	781.95	814.63	799.51	779.02	743.09	711.90	666.19
265.	567.91	515.12	258.51	90.95	55.58	56.51	30.76	781.22	810.49	773.33	747.62	720.71	686.43	648.09
270.	580.46	519.28	278.19	103.00	34.85	58.59	25.85	750.71	772.38	781.71	745.00	726.67	690.71	646.43
275.	592.86	551.19	258.05	96.07	47.29	55.32	26.65	747.38	793.66	751.90	724.76	695.00	657.62	606.51
280.	569.30	541.63	370.70	87.26	71.07	58.29	29.10	734.76	773.41	740.71	724.05	710.71	685.00	639.28
285.	585.00	463.02	252.07	88.95	58.63	56.73	25.47	727.62	773.17	738.57	716.90	697.86	661.90	605.12
290.	566.74	520.70	270.00	69.88	59.48	55.24	25.10	718.33	738.57	727.14	708.81	692.38	671.43	635.48
295.	561.39	525.81	304.98	78.37	57.44	50.71	26.27	720.48	749.28	732.14	708.81	691.19	664.52	625.24
300.	560.46	529.53	260.49	71.54	64.74	39.27	24.08	705.00	724.05	713.57	696.90	658.84	633.57	585.12
305.	550.23	527.67	257.83	71.71	58.93	45.17	24.20	695.71	715.95	705.71	690.00	671.19	644.28	604.05
310.	549.53	497.67	250.78	71.78	62.33	51.39	24.57	697.86	714.52	700.95	665.81	661.43	633.33	579.77
315.	542.56	455.58	228.73	77.68	69.63	58.69	27.42	687.14	707.86	694.76	661.63	661.43	631.67	591.43
320.	545.24	494.05	245.00	100.37	58.19	54.49	24.70	667.14	664.88	659.30	667.62	657.14	635.24	581.86
325.	523.25	460.95	201.92	121.71	56.44	45.05	22.72	651.67	665.71	658.57	646.90	635.00	600.93	585.48
330.	523.49	456.90	231.73	112.19	57.80	51.34	21.22	644.28	657.38	646.90	630.48	610.95	585.71	547.21
335.	521.16	437.91	197.70	82.36	53.00	55.22	21.38	631.67	642.14	638.81	627.14	610.71	586.67	543.72
340.	498.37	473.25	228.22	80.81	58.24	53.83	22.92	601.86	625.48	606.28	607.38	589.76	553.02	526.28
345.	495.81	434.65	218.72	91.57	52.90	45.12	21.80	588.60	609.52	603.57	590.48	567.91	547.44	520.93
350.	491.39	369.30	196.30	65.71	55.56	44.19	21.88	590.40	581.63	585.24	556.51	543.49	520.23	498.60
355.	478.60	451.39	187.65	61.62	65.59	31.49	22.38	557.44	557.91	554.65	546.98	551.43	520.23	493.95
360.	473.95	435.12	161.38	59.02	58.50	43.61	22.97	547.91	550.23	547.67	540.70	542.62	520.00	494.28
365.	457.91	432.62	218.12	64.38	49.49	36.83	22.67	526.74	518.84	519.77	517.21	510.93	513.81	501.43
370.	458.57	407.86	167.88	60.19	44.68	41.19	21.52	516.51	511.86	511.63	520.48	516.67	493.02	474.19
375.	440.48	408.09	175.70	55.32	50.66	36.71	21.22	517.38	513.81	499.07	494.88	490.70	478.37	458.84
380.	430.95	385.24	171.67	61.12	47.58	26.77	20.67	490.23	479.07	478.14	476.51	472.32	462.56	460.00
385.	427.86	405.71	201.32	64.43	54.41	28.50	21.57	477.21	462.56	464.88	462.79	460.23	453.02	452.62
390.	406.28	370.70	177.10	52.83	52.93	45.29	22.35	465.12	458.09	455.71	453.33	452.62	436.05	439.76
395.	403.09	363.07	159.13	47.49	54.88	53.56	23.63	453.95	434.88	434.42	433.72	440.24	431.43	410.46
400.	397.62	366.28	154.00	47.85	51.22	46.19	26.42	454.64	432.81	431.71	427.52	427.81	422.76	404.67
405.	383.55	366.88	149.90	54.76	47.39	43.17	22.25	434.72	425.17	428.40	425.69	423.52	404.70	398.86
410.	370.72	342.00	149.75	49.54	47.98	37.29	23.30	436.50	405.98	408.30	404.95	409.21	399.81	384.81
415.	365.98	341.40	146.02	43.88	41.00	48.98	21.92	428.55	409.45	407.55	402.98	402.21	392.02	362.93
420.	362.36	314.31	121.07	46.17	47.34	33.98	22.02	421.09	398.26	393.00	390.95	389.40	384.33	363.90
425.	357.67	323.71	125.68	44.44	39.90	38.46	24.42	404.09	394.12	393.28	391.88	389.48	371.46	364.05
430.	347.67	311.10	121.98	45.10	43.00	40.34	22.88	405.40	381.86	369.93	381.31	380.93	363.21	361.69
435.	346.56	303.93	110.12	43.98	39.37	37.10	24.32	399.76	370.88	365.58	368.43	366.81	359.29	345.05
440.	346.44	309.22	102.49	42.85	37.54	35.66	20.57	392.83	365.60	363.44	368.19	367.57	358.38	342.24
445.	339.85	277.78	126.29	41.80	39.17	34.02	20.45	387.24	365.12	360.93	353.83	355.83	347.74	345.37
450.	320.31	252.24	127.05	41.85	43.66	32.17	19.57	381.00	358.43	357.88	355.31	353.05	343.76	329.81
455.	319.21	280.15	128.10	41.12	35.80	33.68	19.88	365.95	350.74	351.05	347.38	343.71	345.19	328.76
460.	313.29	228.22	117.88	41.56	36.39	38.46	20.13	369.52	342.43	346.17	344.29	345.49	339.07	318.57
465.	316.37	231.00	110.02	41.10	40.98	37.46	20.05	364.07	347.00	343.76	340.68	341.27	324.66	309.39
470.	312.93	224.27	90.19	42.85	38.76	33.12	23.13	359.07	342.63	340.76	328.45	323.48	313.57	304.80

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	304.56	202.72	118.54	38.15	41.12	32.73	21.02	355.24	342.68	338.66	320.69	315.71	313.39	292.24
480.	290.81	202.34	105.32	34.27	39.54	39.17	23.60	350.29	329.55	319.21	312.43	311.12	306.71	291.71
485.	293.71	216.00	105.85	34.51	37.76	29.85	21.57	345.79	322.83	318.24	312.57	315.98	304.58	293.34
490.	292.02	200.30	108.63	38.22	35.19	31.83	20.63	342.26	324.64	316.00	315.17	291.09	293.85	283.61
495.	285.63	175.67	109.22	43.12	34.66	30.22	18.82	345.98	318.80	315.98	307.56	293.76	294.41	283.58
500.	279.10	199.80	106.02	34.00	39.34	35.24	19.30	341.93	315.15	303.29	304.68	292.74	289.22	273.00
505.	277.51	187.88	104.05	34.34	45.71	31.41	19.20	330.09	317.17	312.05	306.22	292.71	288.51	275.15
510.	276.58	188.22	88.21	34.71	32.46	33.19	22.35	326.43	310.73	293.31	293.76	286.76	278.68	264.44
515.	268.66	168.60	97.33	35.34	34.51	26.13	18.97	322.93	309.37	296.63	289.44	281.39	271.46	257.12
520.	256.73	198.38	81.24	34.80	39.19	23.35	22.35	319.29	302.85	290.49	281.02	274.32	264.98	247.78
525.	253.44	169.62	87.19	34.19	34.80	32.78	20.65	315.95	293.59	292.49	284.05	275.15	266.98	244.56
530.	245.29	150.72	85.24	32.37	34.56	31.34	20.15	312.64	296.39	288.32	281.37	271.17	263.49	239.56
535.	238.12	153.60	94.40	32.19	34.32	28.60	24.75	316.68	289.95	281.66	275.07	264.15	247.56	230.46
540.	243.83	180.32	89.67	31.88	41.27	22.42	22.38	313.58	291.34	282.66	264.76	253.50	246.24	229.75
545.	229.67	143.92	83.95	31.61	37.95	28.57	21.67	310.39	288.19	274.68	258.63	249.44	238.76	225.42
550.	235.37	128.88	85.24	33.22	43.34	30.46	21.88	307.51	284.22	267.07	254.58	244.46	240.65	228.63
555.	225.38	158.22	79.10	32.39	31.29	29.41	20.22	304.68	272.71	264.46	253.22	247.49	238.10	224.40
560.	220.95	141.25	71.44	33.10	37.44	27.52	20.00	301.71	270.95	262.49	251.32	239.27	232.41	220.10
565.	224.27	143.92	75.12	37.07	39.56	31.93	20.22	291.19	272.95	256.41	245.63	235.93	233.22	214.20
570.	204.44	136.40	74.51	33.54	39.49	29.55	21.13	295.73	272.02	258.44	239.39	229.22	225.22	205.80
575.	205.95	142.42	79.37	33.61	39.61	33.80	19.60	293.34	269.68	252.05	238.05	233.51	227.95	204.05
580.	200.85	142.72	65.38	31.80	41.05	33.93	22.22	290.68	264.54	249.49	234.83	229.07	224.45	207.17
585.	201.71	136.65	62.24	32.05	37.66	30.49	20.22	288.32	266.12	242.15	228.32	226.95	221.72	202.58
590.	202.70	128.05	69.63	31.07	38.44	27.67	21.75	285.49	260.37	243.29	229.49	227.72	218.77	199.10
595.	197.95	138.22	61.17	30.95	33.46	29.41	22.70	283.24	259.83	235.39	224.65	208.19	205.71	200.63
600.	190.52	134.20	63.83	30.95	29.35	29.93	21.67	280.98	256.07	238.12	227.45	208.12	203.63	194.17
605.	182.05	110.46	53.90	30.85	30.98	25.60	20.05	278.61	253.93	235.37	220.02	203.27	202.00	190.40
610.	179.77	126.05	64.19	30.44	29.49	29.15	19.22	276.49	254.00	236.37	220.63	204.00	201.57	184.97
615.	172.57	116.58	63.50	30.54	31.27	27.22	20.20	274.39	255.17	235.88	214.85	201.13	195.52	183.55
620.	166.90	105.83	70.22	30.34	29.45	29.05	20.52	272.63	251.12	229.66	204.19	195.92	191.87	181.00
625.	165.35	111.80	71.80	30.71	31.27	26.00	20.20	270.61	251.00	233.51	204.24	196.25	191.52	180.40
630.	162.02	100.32	58.51	30.46	29.54	29.41	19.32	268.68	247.71	232.10	203.78	193.82	190.05	175.80
635.	155.92	108.37	63.31	30.32	29.38	27.10	20.52	266.83	246.27	230.27	198.34	187.40	186.25	174.30
640.	153.20	115.07	54.85	29.73	27.17	24.25	19.70	264.95	246.56	228.82	202.60	185.75	181.07	169.97
645.	144.88	106.24	67.59	29.17	28.67	24.80	19.97	262.98	247.63	232.65	202.02	183.32	176.15	163.92
650.	151.70	107.22	71.61	26.82	29.37	23.37	18.92	261.15	244.22	230.32	196.47	180.10	174.72	162.05
655.	143.40	102.95	64.86	27.92	29.30	27.88	20.05	259.27	244.68	230.13	196.47	177.27	174.22	160.35
660.	140.45	95.43	67.57	27.45	30.93	28.40	19.38	257.63	241.27	232.50	195.35	175.32	172.20	159.75
665.	137.35	106.73	59.81	29.10	27.40	26.47	20.25	256.19	241.05	231.67	193.27	175.22	172.17	158.10
670.	139.30	101.51	55.32	28.13	28.30	28.10	20.82	255.00	238.95	232.12	187.65	173.72	170.22	156.55
675.	139.57	101.73	71.17	26.27	28.63	25.82	24.07	253.24	238.85	226.82	191.57	170.40	169.45	156.97
680.	137.02	88.88	62.24	27.88	27.40	26.47	20.13	251.68	236.56	228.42	186.85	170.57	168.80	154.65
685.	137.80	95.31	53.44	29.39	34.00	21.50	20.67	250.29	234.15	219.00	184.60	166.95	166.57	154.97
690.	136.67	92.00	63.69	29.17	34.39	28.50	20.20	248.83	233.22	224.32	186.15	165.62	165.05	152.47
695.	129.51	90.69	58.95	27.32	26.97	26.97	19.10	247.19	230.24	220.10	184.55	164.80	163.47	151.00
700.	137.50	85.74	66.19	28.55	28.97	26.30	20.65	245.70	229.54	221.17	179.47	163.45	162.72	150.45
705.	126.00	89.81	53.22	29.35	28.63	27.95	19.82	244.34	229.15	222.12	183.30	159.97	160.55	151.45
710.	135.05	80.69	59.05	26.77	30.00	29.41	19.42	242.78	233.00	217.47	178.63	161.60	159.15	150.47
715.	134.25	85.43	56.27	29.80	29.40	26.67	19.63	241.37	232.27	217.45	182.07	161.70	157.52	148.50
720.	123.73	91.40	55.32	29.39	27.00	29.52	21.35	239.73	230.60	207.51	174.30	158.22	158.07	145.55

PRC8-P-4-1 PAGE 4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	128.00	88.88	58.78	31.78	27.90	29.41	19.05	238.29	228.47	204.68	174.97	158.72	158.30	148.15
730.	121.27	85.69	53.27	29.30	30.39	30.10	19.67	237.02	228.02	205.88	177.67	156.20	157.95	144.52
735.	122.02	81.81	43.56	27.90	29.47	27.52	20.60	235.83	227.45	199.63	174.15	153.97	151.95	142.40
740.	121.02	78.52	53.93	27.97	30.17	25.07	18.82	234.60	226.07	206.90	170.05	151.35	149.12	140.92
745.	119.61	87.29	48.80	29.25	28.22	21.20	19.95	233.39	224.10	202.12	168.70	154.00	150.02	141.90
750.	119.24	85.09	47.24	28.15	29.73	27.67	18.72	232.32	223.02	199.08	169.77	152.15	147.40	140.02
755.	115.71	85.43	51.88	27.32	29.51	28.57	19.75	231.15	221.65	202.58	167.82	151.05	145.60	135.47
760.	112.39	85.67	48.39	27.02	26.67	22.35	20.35	229.93	221.40	200.24	169.88	152.02	141.32	127.66
765.	120.90	86.95	41.61	27.55	26.72	21.57	20.22	228.78	219.80	202.05	168.07	149.90	145.27	129.41
770.	109.73	82.79	52.41	30.05	28.88	25.42	19.75	233.55	219.42	202.54	161.97	147.65	143.47	133.92
775.	112.12	86.00	50.93	39.22	22.90	23.07	20.52	231.90	220.38	202.12	160.62	148.15	143.65	133.30
780.	108.24	81.69	53.46	38.41	26.65	24.55	21.02	231.02	218.82	200.49	163.35	146.27	141.00	129.68
785.	113.19	79.07	58.29	40.90	22.55	22.97	21.40	229.85	216.60	199.02	161.45	143.32	141.60	128.02
790.	110.88	77.07	55.93	38.00	25.57	24.72	21.32	228.63	216.17	201.97	162.27	143.67	141.30	127.12
795.	108.90	79.26	57.34	30.95	26.70	25.77	23.72	227.70	213.72	201.40	163.90	140.95	137.70	126.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	22.32	21.90	21.72	21.47	21.35	21.25	21.15	21.27	21.05	22.02	20.47	0.00	0.00	0.00
0.	22.30	21.97	21.77	21.57	21.38	21.30	21.13	21.22	21.07	22.02	20.45	0.00	0.00	0.00
0.	22.22	21.97	21.82	21.52	21.38	21.38	21.15	21.17	21.05	22.05	20.50	0.00	0.00	0.00
0.	22.27	22.02	21.89	21.55	21.27	21.40	21.17	21.20	21.13	22.05	20.52	0.00	0.00	0.00
0.	22.32	22.12	21.92	21.65	21.38	21.45	21.13	21.30	21.10	22.00	20.57	0.00	0.00	0.00
0.	22.30	22.17	21.90	21.63	21.38	21.42	21.17	21.32	21.10	22.02	20.45	0.00	0.00	0.00
5.	23.10	22.97	22.65	22.27	21.92	21.72	21.40	21.45	21.22	22.35	26.22	0.00	0.00	0.00
10.	31.78	28.17	24.10	23.10	22.80	22.57	21.75	21.82	21.42	22.90	32.10	0.00	0.00	0.00
15.	39.51	34.95	28.77	24.10	23.77	23.60	22.05	22.32	21.90	24.10	38.83	0.00	0.00	0.00
20.	49.00	44.10	29.61	25.60	25.05	25.10	22.95	23.87	23.13	27.27	49.15	0.00	0.00	0.00
25.	72.76	49.98	34.54	29.95	29.60	29.29	24.50	26.52	24.90	33.71	62.55	0.00	0.00	0.00
30.	108.76	74.90	42.93	35.02	32.66	35.05	27.72	30.34	27.77	44.29	89.26	0.00	0.00	0.00
35.	187.97	103.05	50.24	41.22	36.22	49.63	29.41	32.78	29.76	56.93	124.37	0.00	0.00	0.00
40.	247.37	162.45	61.57	51.07	39.80	47.34	32.83	36.61	33.58	73.61	189.27	0.00	0.00	0.00
45.	313.32	264.78	87.21	72.07	52.56	67.81	43.71	46.66	40.68	106.61	233.90	0.00	0.00	0.00
50.	322.50	254.17	128.46	86.81	69.76	87.33	51.90	55.24	50.54	155.30	297.73	0.00	0.00	0.00
55.	359.57	291.45	177.05	119.15	78.83	93.07	56.32	69.76	55.24	186.65	345.39	0.00	0.00	0.00
60.	386.90	341.68	216.47	118.90	84.45	105.49	61.79	67.48	54.34	214.75	386.59	0.00	0.00	0.00
65.	404.65	343.41	249.83	144.00	96.93	111.27	74.46	72.34	58.81	227.30	439.62	0.00	0.00	0.00
70.	409.53	363.48	248.56	155.30	106.88	125.80	81.12	82.74	64.69	237.73	460.00	0.00	0.00	0.00
75.	436.51	371.16	285.78	177.47	124.93	150.25	82.81	90.12	74.85	257.15	512.32	0.00	0.00	0.00
80.	497.44	406.98	289.44	200.75	135.07	163.85	90.71	93.12	75.68	279.46	555.12	0.00	0.00	0.00
85.	500.24	404.88	292.24	186.15	141.00	172.67	106.46	103.56	85.74	292.41	600.93	0.00	0.00	0.00
90.	473.02	408.57	285.17	183.92	137.63	182.12	114.71	113.02	78.17	291.39	638.57	0.00	0.00	0.00
95.	496.99	440.48	283.68	197.52	140.45	161.47	108.98	103.27	95.88	303.10	666.28	0.00	0.00	0.00
100.	515.12	460.95	341.73	206.66	148.63	182.32	115.32	123.46	86.38	305.71	699.28	0.00	0.00	0.00
105.	550.24	462.32	352.36	214.20	162.85	195.47	105.95	111.02	96.19	315.64	719.05	0.00	0.00	0.00
110.	523.02	467.67	400.71	237.15	161.25	193.85	117.93	137.07	90.62	320.74	727.14	0.00	0.00	0.00
115.	545.35	495.90	429.05	249.24	172.95	202.27	142.57	125.73	102.05	330.36	773.17	0.00	0.00	0.00
120.	569.53	511.63	436.19	271.93	162.90	186.85	143.55	139.27	126.05	344.33	767.38	0.00	0.00	0.00
125.	590.71	515.24	452.79	301.54	176.20	206.22	141.60	143.88	105.83	344.41	770.48	0.00	0.00	0.00
130.	551.63	493.49	458.57	323.24	196.67	220.97	144.92	126.10	111.66	343.71	794.88	0.00	0.00	0.00
135.	579.53	526.98	459.30	317.67	197.30	238.39	162.65	138.63	119.44	346.79	764.52	0.00	0.00	0.00
140.	612.38	543.09	440.23	315.88	232.15	224.30	160.27	144.85	114.98	354.38	794.63	0.00	0.00	0.00
145.	610.24	522.79	434.88	316.73	227.20	221.88	149.15	150.90	115.41	347.17	796.34	0.00	0.00	0.00
150.	589.76	511.16	451.67	340.43	236.15	238.05	171.08	153.60	128.22	368.74	794.88	0.00	0.00	0.00
155.	610.49	513.95	438.33	329.43	209.44	232.73	164.52	171.25	121.61	362.30	795.12	0.00	0.00	0.00
160.	583.02	515.58	439.76	316.45	218.00	246.29	177.50	149.20	138.95	347.78	772.62	0.00	0.00	0.00
165.	608.09	542.32	459.28	341.59	242.19	251.68	173.57	173.13	143.00	249.24	793.90	0.00	0.00	0.00
170.	603.81	528.14	467.67	340.63	243.58	247.29	182.27	163.17	137.97	247.93	769.76	0.00	0.00	0.00
175.	636.19	529.53	452.09	352.45	253.49	260.12	188.82	180.95	158.65	246.65	768.09	0.00	0.00	0.00
180.	599.30	545.00	464.19	353.05	264.60	249.78	178.13	187.27	161.85	246.85	780.73	0.00	0.06	0.00
185.	612.62	543.09	424.76	347.22	249.24	241.24	195.12	201.35	145.97	246.46	779.02	0.00	0.00	0.00
190.	606.43	516.28	430.70	346.81	257.88	253.12	184.27	180.02	134.62	249.32	764.76	0.00	0.00	0.00
195.	608.81	546.67	452.86	344.40	268.80	284.90	184.60	167.47	130.38	247.00	771.67	0.00	0.00	0.00
200.	607.62	528.84	439.76	329.90	254.98	278.51	199.41	202.19	152.60	252.95	772.44	0.00	0.00	0.00
205.	608.33	523.72	437.86	325.26	252.39	256.37	191.60	189.47	143.88	253.00	778.29	0.00	0.00	0.00
210.	606.43	543.57	426.90	346.27	250.46	246.12	186.05	170.25	151.32	244.32	775.61	0.00	0.00	0.00
215.	610.00	552.14	440.23	344.44	268.63	272.12	195.95	176.57	155.40	248.80	775.85	0.00	0.00	0.00
220.	626.19	518.57	423.57	347.61	262.41	264.54	184.67	167.75	140.38	250.24	777.07	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	628.09	544.65	452.38	347.56	275.49	289.12	194.42	180.52	146.38	247.68	766.67	0.00	0.00	0.00
230.	603.26	543.72	456.28	355,36	276.68	270.71	194.02	193.92	164.70	260.58	768.09	0.00	0.00	0.00
235.	606.74	558.37	464.88	354.07	285.80	265.51	200.44	185.22	163.95	263.51	763.57	0.00	0.00	0.00
240.	603.02	554.88	462.56	364.42	303.34	270.44	204.71	199.05	166.05	261.24	792.68	0.00	0.00	0.00
245.	581.16	529.53	433.02	360.24	281.83	258.98	205.51	182.22	167.70	265.76	801.95	0.00	0.00	0.00
250.	587.21	543.33	435.12	362.09	289.27	259.12	202.90	188.07	156.62	268.17	771.90	0.00	0.00	0.00
255.	606.51	548.33	452.62	359.29	294.26	260.27	226.60	191.02	160.27	272.39	778.29	0.00	0.00	0.00
260.	613.09	545.24	451.43	369.29	292.67	268.39	222.88	200.25	158.05	266.41	781.46	0.00	0.00	0.00
265.	605.00	512.14	421.90	352.76	270.58	243.98	206.76	200.25	153.07	273.56	776.34	0.00	0.00	0.00
270.	611.90	526.51	438.57	355.31	279.34	271.76	196.82	206.41	135.10	274.63	772.93	0.00	0.00	0.00
275.	579.77	521.86	409.53	361.91	288.05	261.65	202.42	195.02	156.13	269.12	748.81	0.00	0.00	0.00
280.	590.24	519.30	440.23	354.24	292.02	288.90	200.41	201.56	151.00	273.39	739.76	0.00	0.00	0.00
285.	589.52	529.30	439.76	348.86	271.02	275.85	231.25	200.75	148.82	281.12	739.05	0.00	0.00	0.00
290.	590.00	514.42	423.57	349.79	277.00	267.54	199.58	199.65	146.92	274.03	734.52	0.00	0.00	0.00
295.	591.19	510.46	436.05	352.88	285.24	285.90	220.17	185.40	162.52	271.49	735.24	0.00	0.00	0.00
300.	557.91	510.00	428.33	352.24	275.78	241.98	214.42	198.68	159.80	268.85	723.33	0.00	0.00	0.00
305.	545.58	494.65	423.33	341.17	271.05	278.80	202.73	176.65	150.35	266.98	711.67	0.00	0.00	0.00
310.	540.93	478.37	401.67	327.09	266.56	271.19	197.80	161.72	150.57	279.02	711.67	0.00	0.00	0.00
315.	548.37	497.14	406.19	341.02	255.58	248.19	194.05	176.65	153.20	256.98	705.71	0.00	0.00	0.00
320.	549.52	464.65	391.67	320.48	262.49	259.44	186.25	181.22	155.10	247.29	686.19	0.00	0.00	0.00
325.	524.88	495.24	404.76	313.83	253.95	235.46	197.72	194.30	165.07	259.17	672.38	0.00	0.00	0.00
330.	513.02	462.09	393.33	316.63	258.56	232.41	200.57	177.50	166.45	246.27	660.71	0.00	0.00	0.00
335.	516.43	455.00	363.14	311.88	238.02	229.05	191.02	168.52	149.63	244.68	651.43	0.00	0.00	0.00
340.	500.24	410.23	357.88	304.85	234.02	222.60	186.10	155.97	163.60	233.00	638.33	0.00	0.00	0.00
345.	497.38	430.95	347.69	283.34	245.45	230.45	175.57	167.45	139.32	236.76	609.07	0.00	0.00	0.00
350.	472.32	438.57	347.14	296.10	236.39	215.20	177.07	168.25	149.45	233.76	608.09	0.00	0.00	0.00
355.	455.35	408.33	330.02	278.29	220.32	194.27	178.85	188.00	123.76	240.63	591.90	0.00	0.00	0.00
360.	456.74	406.67	321.90	281.24	225.55	201.41	156.82	147.70	119.98	231.52	564.88	0.00	0.00	0.00
365.	464.19	401.90	316.45	264.78	217.70	196.67	156.45	143.17	127.71	225.57	543.49	0.00	0.00	0.00
370.	457.14	385.24	313.10	252.22	230.97	225.07	175.27	141.10	126.78	219.80	544.52	0.00	0.00	0.00
375.	432.62	361.43	293.50	244.46	200.10	196.70	156.88	146.82	119.82	218.00	520.46	0.00	0.00	0.00
380.	427.38	362.86	291.45	244.37	214.57	198.20	151.47	134.20	119.07	200.10	515.00	0.00	0.00	0.00
385.	435.00	351.76	302.29	251.56	202.05	181.27	143.35	138.10	107.90	204.58	490.46	0.00	0.00	0.00
390.	425.00	348.07	284.85	230.15	184.85	174.85	127.83	124.88	112.51	202.85	477.44	0.00	0.00	0.00
395.	398.09	327.98	276.12	232.83	198.34	178.67	152.52	129.63	115.49	196.70	465.12	0.00	0.00	0.00
400.	382.09	313.29	258.51	217.17	171.63	159.00	115.15	118.85	112.19	191.25	454.42	0.00	0.00	0.00
405.	364.36	312.95	266.22	217.57	153.82	160.02	125.10	113.15	104.19	184.92	456.14	0.00	0.00	0.00
410.	357.98	293.39	240.24	198.98	163.62	161.82	123.34	111.32	104.56	177.38	434.51	0.00	0.00	0.00
415.	328.95	292.83	255.73	202.32	164.82	150.22	125.37	116.07	102.12	182.00	438.45	0.00	0.00	0.00
420.	326.74	287.73	238.00	194.85	166.02	150.90	109.07	104.98	95.45	178.45	428.28	0.00	0.00	0.00
425.	329.52	276.95	246.24	194.60	165.70	161.63	107.02	94.62	89.26	174.15	422.64	0.00	0.00	0.00
430.	327.93	284.46	234.49	195.67	154.47	159.92	110.54	92.86	86.29	169.52	403.86	0.00	0.00	0.00
435.	314.12	278.12	237.22	183.22	150.82	149.47	101.90	96.81	84.74	169.57	406.48	0.00	0.00	0.00
440.	316.62	275.07	227.70	182.65	148.63	135.15	100.15	97.02	93.59	164.92	399.45	0.00	0.00	0.00
445.	316.98	270.24	223.10	175.55	145.07	137.92	102.10	93.26	87.26	159.45	392.52	0.00	0.00	0.00
450.	304.32	268.54	220.97	178.75	148.05	125.90	106.54	100.76	81.09	162.50	387.98	0.00	0.00	0.00
455.	295.17	253.85	217.67	177.00	145.50	137.55	104.61	96.29	81.33	162.20	371.37	0.00	0.00	0.00
460.	306.49	240.95	202.63	172.02	134.75	134.47	106.88	95.14	79.67	161.60	364.63	0.00	0.00	0.00
465.	286.32	253.76	201.85	165.45	128.10	126.85	102.78	95.02	79.52	153.85	369.00	0.00	0.00	0.00
470.	281.76	238.10	217.97	171.42	145.20	134.52	91.86	85.00	76.46	145.60	364.50	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	274.85	244.17	202.37	161.22	121.15	133.59	84.00	86.17	85.62	144.67	360.17	0.00	0.00	0.00
480.	275.95	246.46	194.50	160.32	123.51	123.32	90.55	83.71	78.68	149.67	352.59	0.00	0.00	0.00
485.	268.95	226.50	191.82	161.20	138.07	125.93	92.52	89.74	80.00	149.30	348.79	0.00	0.00	0.00
490.	267.98	232.75	189.10	154.32	119.68	109.02	87.59	94.90	78.29	140.52	345.48	0.00	0.00	0.00
495.	255.41	220.20	196.45	155.90	115.44	114.87	95.26	93.29	88.36	129.07	340.98	0.00	0.00	0.00
500.	253.71	217.50	186.38	152.05	117.61	114.93	93.83	88.29	81.26	138.80	345.37	0.00	0.00	0.00
505.	245.02	205.88	179.65	151.07	111.90	107.24	86.55	81.26	75.58	138.25	340.51	0.00	0.00	0.00
510.	245.88	224.25	187.32	142.27	121.02	116.02	84.36	80.50	72.49	128.37	328.52	0.00	0.00	0.00
515.	239.07	201.45	172.75	133.32	107.32	115.44	88.93	80.69	75.95	126.44	324.02	0.00	0.00	0.00
520.	229.27	201.95	176.77	128.46	103.95	101.73	83.57	86.05	72.63	126.22	319.59	0.00	0.00	0.00
525.	229.75	198.05	171.02	142.67	110.49	108.85	77.76	81.09	75.68	123.78	315.98	0.00	0.00	0.00
530.	221.60	191.55	168.63	138.10	107.61	105.73	79.19	76.56	75.68	122.46	313.52	0.00	0.00	0.00
535.	219.75	187.63	165.70	122.95	95.52	86.90	76.49	75.07	71.10	119.34	316.44	0.00	0.00	0.00
540.	215.55	191.95	168.17	133.42	105.54	95.29	78.02	74.56	74.63	119.90	313.12	0.00	0.00	0.00
545.	201.29	187.60	164.82	122.12	103.39	100.61	70.76	65.57	64.59	117.49	307.46	0.00	0.00	0.00
550.	205.46	177.52	153.38	123.44	95.31	90.36	71.41	73.47	71.41	113.61	306.05	0.00	0.00	0.00
555.	203.45	174.87	154.42	120.80	90.62	96.24	75.27	72.15	66.26	111.80	303.49	0.00	0.00	0.00
560.	200.05	176.22	149.55	120.73	95.79	100.98	74.27	71.58	71.10	108.80	293.07	0.00	0.00	0.00
565.	194.47	168.13	151.25	122.90	95.19	83.64	73.12	66.59	65.98	112.10	296.98	0.00	0.00	0.00
570.	195.47	168.45	148.82	117.02	84.45	84.38	74.00	69.83	63.95	108.83	293.27	0.00	0.00	0.00
575.	188.92	163.62	141.42	110.19	84.69	92.69	67.17	61.71	60.33	107.44	290.66	0.00	0.00	0.00
580.	196.65	168.35	150.50	113.34	88.90	84.93	65.48	67.19	64.14	106.68	285.76	0.00	0.00	0.00
585.	188.52	155.90	137.50	109.83	80.52	81.21	63.83	65.02	63.45	100.56	285.12	0.00	0.00	0.00
590.	183.20	159.20	139.88	107.10	80.31	87.86	60.59	58.57	52.46	108.19	281.93	0.00	0.00	0.00
595.	184.92	153.60	126.07	103.44	78.85	78.39	58.95	60.31	51.98	104.51	279.71	0.00	0.00	0.00
600.	175.52	147.52	128.46	106.73	80.67	79.98	58.68	64.57	58.78	100.66	276.39	0.00	0.00	0.00
605.	170.80	142.35	120.90	105.71	79.10	77.12	58.37	63.74	54.63	94.38	274.00	0.00	0.00	0.00
610.	170.77	150.45	123.56	103.12	79.10	79.48	58.56	64.76	61.19	100.83	271.82	0.00	0.00	0.00
615.	166.67	148.37	129.46	103.83	84.40	81.74	58.33	66.50	60.19	100.34	268.02	0.00	0.00	0.00
620.	171.95	150.80	126.07	105.41	80.43	79.57	63.67	60.07	60.29	96.69	264.93	0.00	0.00	0.00
625.	171.50	152.67	134.88	102.32	80.33	81.38	61.71	66.98	60.71	96.02	264.10	0.00	0.00	0.00
630.	166.02	150.50	122.07	101.00	75.27	81.07	59.02	63.14	61.31	95.12	261.34	0.00	0.00	0.00
635.	165.42	144.65	123.10	102.34	73.73	79.02	58.31	61.55	58.86	90.07	258.66	0.00	0.00	0.00
640.	161.80	136.30	114.37	91.29	72.88	79.34	58.64	60.47	58.58	88.50	255.83	0.00	0.00	0.00
645.	154.90	128.32	114.66	92.52	77.34	72.15	60.64	59.29	59.64	87.69	255.44	0.00	0.00	0.00
650.	155.32	133.40	119.07	95.43	76.05	78.29	59.59	59.05	60.81	87.21	254.19	0.00	0.00	0.00
655.	154.13	128.19	112.95	93.74	72.32	78.00	57.86	59.81	58.48	84.02	252.37	0.00	0.00	0.00
660.	150.67	127.73	115.98	94.74	75.80	79.22	58.38	58.19	56.29	83.45	249.24	0.00	0.00	0.00
665.	150.75	128.22	112.95	97.05	79.79	67.52	57.05	58.29	52.93	85.81	249.41	0.00	0.00	0.00
670.	152.70	127.80	117.71	95.50	67.33	74.88	53.07	60.00	52.80	86.88	247.51	0.00	0.00	0.00
675.	148.40	126.19	110.90	93.26	76.34	78.29	53.63	57.78	47.54	84.74	246.93	0.00	0.00	0.00
680.	149.30	124.98	113.46	95.57	76.15	66.95	53.49	57.54	49.17	80.29	243.71	0.00	0.00	0.00
685.	145.92	118.56	108.00	92.57	73.90	69.56	57.07	58.95	44.37	81.93	242.22	0.00	0.00	0.00
690.	147.97	122.76	108.34	91.31	78.46	73.71	54.85	51.73	48.98	81.59	241.29	0.00	0.00	0.00
695.	146.07	117.02	105.66	91.48	74.34	67.33	51.03	51.24	53.80	80.36	240.39	0.00	0.00	0.00
700.	146.15	123.27	106.98	90.21	70.54	62.07	52.56	50.17	52.54	81.86	237.58	0.00	0.00	0.00
705.	147.97	119.71	107.83	86.36	74.85	65.36	51.90	56.73	53.90	82.55	239.34	0.00	0.00	0.00
710.	145.47	115.93	100.10	86.43	72.22	62.67	50.83	57.10	53.24	82.19	236.61	0.00	0.00	0.00
715.	141.50	116.46	96.24	85.74	69.80	62.26	50.02	57.24	46.93	81.90	235.80	0.00	0.00	0.00
720.	141.52	119.10	105.05	85.74	73.95	64.52	51.56	56.49	43.85	78.63	233.37	0.00	0.00	0.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	138.77	116.58	100.39	86.64	72.22	64.71	52.27	54.19	44.93	76.93	232.02	0.00	0.00	0.00
730.	138.45	117.56	93.81	80.64	63.31	60.83	49.02	54.93	43.10	77.68	231.49	0.00	0.00	0.00
735.	136.22	112.02	95.98	85.74	58.45	64.79	49.66	51.05	46.90	76.83	228.68	0.00	0.00	0.00
740.	129.34	112.49	93.86	79.29	59.74	63.98	48.05	51.10	45.66	76.39	233.50	0.00	0.00	0.00
745.	133.27	115.58	96.50	83.98	63.17	61.98	49.07	50.37	42.00	74.83	232.50	0.00	0.00	0.00
750.	129.56	110.07	95.81	82.69	60.36	57.39	47.95	53.49	46.66	74.90	229.82	0.00	0.00	0.00
755.	124.27	107.46	95.95	77.69	61.17	61.99	48.58	51.41	46.22	67.55	229.90	0.00	0.00	0.00
760.	124.68	106.88	94.64	78.49	58.12	59.64	48.80	52.19	45.71	73.15	229.57	0.00	0.00	0.00
765.	124.24	107.19	91.93	79.48	58.61	58.02	47.83	55.02	45.10	73.32	228.27	0.00	0.00	0.00
770.	129.24	106.39	91.69	79.33	60.31	60.67	47.19	52.95	42.44	71.68	226.82	0.00	0.00	0.00
775.	126.51	105.02	91.81	78.76	64.48	59.29	51.58	53.46	49.58	72.93	226.95	0.00	0.00	0.00
780.	123.02	108.51	100.27	78.24	64.17	61.67	49.05	52.93	44.27	71.63	226.75	0.00	0.00	0.00
785.	123.44	106.02	91.55	78.43	60.09	59.33	48.85	50.56	49.73	70.49	224.97	0.00	0.00	0.00
790.	123.76	106.19	90.52	79.05	60.24	58.98	47.76	52.56	49.17	67.69	223.15	0.00	0.00	0.00
795.	122.17	105.95	90.69	78.29	63.71	59.19	47.19	55.85	43.88	70.63	223.52	0.00	0.00	0.00

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	0.00	0.00	19.49	12460.21	0.00	-0.01	-0.01	0.50	0.00	0.00	0.00	0.00	21.00	-0.38
0.	0.00	0.00	29.74	12489.12	0.00	-0.01	-0.01	-0.11	0.00	0.00	0.00	0.00	21.03	0.99
0.	0.00	0.00	40.15	12518.03	0.00	-0.01	-0.01	-0.13	0.00	0.00	0.00	0.00	20.99	0.11
0.	0.00	0.00	50.40	12546.94	0.00	-0.01	-0.01	0.28	0.00	0.00	0.00	0.00	20.94	-0.17
0.	0.00	0.00	59.68	12518.03	0.00	-0.01	-0.01	-0.30	0.00	0.00	0.00	0.00	20.90	-0.47
0.	0.00	0.00	69.92	12604.76	0.00	-0.01	-0.01	-0.40	0.00	0.00	0.00	0.00	20.85	-0.07
5.	0.00	0.00	10.23	12668.36	0.01	0.02	0.06	-0.21	0.00	0.00	0.00	0.00	20.83	-1.02
10.	0.00	0.00	19.49	12546.94	0.01	0.05	0.13	0.37	0.00	0.00	0.00	0.00	20.78	-0.32
15.	0.00	0.00	29.73	12575.85	0.03	0.09	0.17	0.26	0.00	0.00	0.00	0.00	20.62	2.78
20.	0.00	0.00	40.15	12546.94	0.08	0.15	0.28	0.07	0.00	0.00	0.00	0.00	20.49	3.16
25.	0.00	0.00	50.40	12518.03	0.15	0.23	0.51	0.15	0.00	0.00	0.00	0.00	20.28	3.48
30.	0.00	0.00	59.68	12518.03	0.22	0.32	0.71	0.53	0.00	0.00	0.00	0.00	19.91	4.41
35.	0.00	0.00	69.92	12518.03	0.33	0.42	1.08	-0.41	0.00	0.00	0.00	0.00	19.47	5.48
40.	0.00	0.00	10.23	12474.67	0.55	0.53	1.60	2.99	0.00	0.00	0.00	0.00	18.77	9.33
45.	0.00	0.00	19.49	12228.93	0.86	0.70	2.56	1.94	0.00	0.00	0.00	0.00	17.99	8.36
50.	0.00	0.00	29.74	12200.02	1.10	0.83	3.85	-0.61	0.00	0.00	0.00	0.00	16.74	5.59
55.	0.00	0.00	40.15	11882.01	1.29	0.84	4.99	0.31	0.00	0.00	0.00	0.00	14.82	13.70
60.	0.00	0.00	50.40	11708.55	1.46	0.84	6.13	-0.80	0.00	0.00	0.00	0.00	12.67	12.50
65.	0.00	0.00	59.68	11506.18	1.60	0.85	7.18	0.49	0.00	0.00	0.00	0.00	11.48	11.31
70.	0.00	0.00	69.93	11332.72	1.71	0.86	7.66	-0.81	0.00	0.00	0.00	0.00	10.60	15.07
75.	0.00	0.00	10.23	11211.30	1.87	0.88	8.30	5.63	0.00	0.00	0.00	0.00	9.69	14.92
80.	0.00	0.00	19.48	10956.89	2.04	0.92	9.60	3.11	0.00	0.00	0.00	0.00	9.05	11.23
85.	0.00	0.00	29.73	10725.61	2.20	0.95	10.29	0.21	0.00	0.00	0.00	0.00	9.09	14.75
90.	0.00	0.00	40.15	10494.33	2.20	0.99	10.77	-0.31	0.00	0.00	0.00	0.00	8.81	15.31
95.	0.00	0.00	50.40	10291.96	2.37	1.02	11.32	-0.35	0.00	0.00	0.00	0.00	8.49	10.96
100.	0.00	0.00	59.67	10060.68	2.43	1.01	11.35	-0.59	0.00	0.00	0.00	0.00	8.21	9.60
105.	0.00	0.00	69.93	9858.31	2.53	1.02	11.61	-0.65	0.00	0.00	0.00	0.00	8.10	11.94
110.	0.00	0.00	10.23	9788.93	2.52	1.03	11.44	4.84	0.00	0.00	0.00	0.00	8.38	6.46
115.	0.00	0.00	19.49	9540.30	2.84	1.03	12.11	4.38	0.00	0.00	0.00	0.00	8.55	11.18
120.	0.00	0.00	29.73	9280.11	2.86	1.05	12.41	0.32	0.00	0.00	0.00	0.00	8.96	14.88
125.	0.00	0.00	40.15	9077.74	2.81	1.08	13.02	0.31	0.00	0.00	0.00	0.00	9.07	14.67
130.	0.00	0.00	50.39	8846.46	2.81	1.03	12.01	-0.81	0.00	0.00	0.00	0.00	9.19	12.99
135.	0.00	0.00	59.67	8701.91	2.89	0.99	11.35	-0.81	0.00	0.00	0.00	0.00	9.27	12.50
140.	0.00	0.00	69.92	8528.45	3.07	0.99	11.40	-0.98	0.00	0.00	0.00	0.00	9.32	8.74
145.	0.00	0.00	10.22	8430.15	2.96	0.98	12.30	6.08	0.00	0.00	0.00	0.00	9.46	13.01
150.	0.00	0.00	19.47	8152.62	3.13	0.94	11.35	4.07	0.00	0.00	0.00	0.00	9.47	11.36
155.	0.00	0.00	29.72	8080.34	3.19	0.95	11.21	1.31	0.00	0.00	0.00	0.00	9.44	5.54
160.	0.00	0.00	40.14	7938.68	3.27	0.91	10.57	-0.62	0.00	0.00	0.00	0.00	9.38	6.67
165.	0.00	0.00	50.38	7794.14	3.16	0.88	10.49	-0.89	0.00	0.00	0.00	0.00	9.14	13.32
170.	0.00	0.00	59.67	7487.69	3.40	0.92	11.40	-1.19	0.00	0.00	0.00	0.00	9.38	15.24
175.	0.00	0.00	69.91	7285.32	3.55	0.92	11.13	-1.09	0.00	0.00	0.00	0.00	9.91	10.98
180.	0.00	0.00	10.22	7270.86	3.48	0.90	10.65	5.13	0.00	0.00	0.00	0.00	9.85	16.11
185.	0.00	0.00	19.47	7088.73	3.31	0.87	10.29	1.41	0.00	0.00	0.00	0.00	9.70	7.14
190.	0.00	0.00	29.72	6932.61	3.17	0.84	9.72	1.73	0.00	0.00	0.00	0.00	9.51	12.75
195.	0.00	0.00	40.14	6678.21	3.37	0.83	9.97	-0.53	0.00	0.00	0.00	0.00	9.82	9.81
200.	0.00	0.00	50.39	6600.15	3.41	0.84	10.12	0.89	0.00	0.00	0.00	0.00	10.04	15.12
205.	0.00	0.00	59.67	6493.19	3.35	0.84	9.89	-0.97	0.00	0.00	0.00	0.00	9.92	11.40
210.	0.00	0.00	69.93	6290.81	3.37	0.82	9.61	-0.81	0.00	0.00	0.00	0.00	10.06	12.76
215.	0.00	0.00	10.23	6123.14	3.46	0.82	9.64	5.59	0.00	0.00	0.00	0.00	9.95	6.22
220.	0.00	0.00	19.49	6019.06	3.32	0.83	10.16	4.75	0.00	0.00	0.00	0.00	10.10	11.63

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	0.00	0.00	29.73	5877.40	3.45	0.81	9.31	0.23	0.00	0.00	0.00	0.00	10.43	7.43
230.	0.00	0.00	40.15	5709.73	3.54	0.81	9.37	-0.97	0.00	0.00	0.00	0.00	10.33	12.83
235.	0.00	0.00	50.39	5542.05	3.59	0.81	9.37	-0.93	0.00	0.00	0.00	0.00	10.55	9.94
240.	0.00	0.00	59.67	5423.52	3.49	0.82	9.47	-0.59	0.00	0.00	0.00	0.00	10.43	11.38
245.	0.00	0.00	69.92	5267.40	3.48	0.80	9.26	-1.35	0.00	0.00	0.00	0.00	11.04	13.05
250.	0.00	0.00	10.23	5131.52	3.59	0.80	9.11	5.31	0.00	0.00	0.00	0.00	10.51	9.73
255.	0.00	0.00	19.50	4949.39	3.53	0.79	9.11	4.09	0.00	0.00	0.00	0.00	10.51	8.71
260.	0.00	0.00	29.73	4862.66	3.59	0.80	9.29	0.48	0.00	0.00	0.00	0.00	10.54	11.58
265.	0.00	0.00	40.15	4770.15	3.39	0.79	8.61	-0.88	0.00	0.00	0.00	0.00	10.66	11.09
270.	0.00	0.00	50.39	4622.70	3.42	0.77	8.59	-0.90	0.00	0.00	0.00	0.00	10.73	11.28
275.	0.00	0.00	59.67	4504.18	3.33	0.76	8.03	-1.07	0.00	0.00	0.00	0.00	10.77	15.36
280.	0.00	0.00	69.93	4385.64	3.27	0.74	8.05	-1.17	0.00	0.00	0.00	0.00	10.94	12.27
285.	0.00	0.00	10.23	4252.66	3.42	0.73	7.73	5.24	0.00	0.00	0.00	0.00	11.18	9.78
290.	0.00	0.00	19.48	4108.11	3.30	0.71	7.63	3.72	0.00	0.00	0.00	0.00	11.45	16.77
295.	0.00	0.00	29.73	3989.58	3.27	0.70	7.43	2.34	0.00	0.00	0.00	0.00	11.49	9.72
300.	0.00	0.00	40.14	3839.25	3.11	0.68	6.89	0.36	0.00	0.00	0.00	0.00	11.69	11.13
305.	0.00	0.00	50.39	3755.41	3.00	0.67	6.66	-0.85	0.00	0.00	0.00	0.00	12.03	12.10
310.	0.00	0.00	59.67	3619.53	3.02	0.67	7.02	-0.97	0.00	0.00	0.00	0.00	12.34	7.28
315.	0.00	0.00	69.92	3483.65	2.91	0.64	6.33	-0.93	0.00	0.00	0.00	0.00	12.35	9.29
320.	0.00	0.00	10.22	3379.58	2.77	0.61	6.02	5.06	0.00	0.00	0.00	0.00	12.40	9.59
325.	0.00	0.00	19.47	3330.43	2.71	0.57	5.73	3.44	0.00	0.00	0.00	0.00	12.67	9.78
330.	0.00	0.00	29.72	3203.23	2.51	0.56	5.50	1.81	0.00	0.00	0.00	0.00	12.99	8.56
335.	0.00	0.00	40.14	3107.82	2.36	0.55	4.91	-0.65	0.00	0.00	0.00	0.00	13.37	13.24
340.	0.00	0.00	50.39	3003.75	2.35	0.51	4.79	-1.02	0.00	0.00	0.00	0.00	13.57	12.48
345.	0.00	0.00	59.66	2940.15	2.29	0.49	4.54	-1.24	0.00	0.00	0.00	0.00	13.76	11.72
350.	0.00	0.00	69.92	2859.20	2.18	0.46	4.20	-1.06	0.00	0.00	0.00	0.00	14.01	12.82
355.	0.00	0.00	10.22	2801.38	2.00	0.43	3.88	4.60	0.00	0.00	0.00	0.00	14.27	13.77
360.	0.00	0.00	19.49	2711.76	1.92	0.41	3.56	3.26	0.00	0.00	0.00	0.00	14.43	9.63
365.	0.00	0.00	29.73	2627.92	1.83	0.38	3.34	0.20	0.00	0.00	0.00	0.00	14.71	8.21
370.	0.00	0.00	40.14	2546.97	1.81	0.36	3.16	-0.54	0.00	0.00	0.00	0.00	14.82	11.85
375.	0.00	0.00	50.38	2460.24	1.66	0.34	3.00	-0.79	0.00	0.00	0.00	0.00	15.29	9.34
380.	0.00	0.00	59.66	2440.00	1.55	0.31	2.78	-1.09	0.00	0.00	0.00	0.00	15.52	10.84
385.	0.00	0.00	69.92	2361.95	1.51	0.30	2.61	-0.97	0.00	0.00	0.00	0.00	15.81	8.83
390.	0.00	0.00	10.22	2281.00	1.40	0.28	2.40	3.96	0.00	0.00	0.00	0.00	15.98	8.87
395.	0.00	0.00	19.48	2246.31	1.37	0.27	2.30	3.24	0.00	0.00	0.00	0.00	16.07	9.05
400.	0.00	0.00	29.73	2208.72	1.26	0.26	2.18	-0.70	0.00	0.00	0.00	0.00	16.34	10.50
405.	0.00	0.00	40.14	2165.36	1.26	0.25	2.03	-0.79	0.00	0.00	0.00	0.00	16.56	10.50
410.	0.00	0.00	50.39	2110.43	1.17	0.25	1.87	-1.27	0.00	0.00	0.00	0.00	16.83	8.16
415.	0.00	0.00	59.67	2055.50	1.13	0.25	1.93	-0.98	0.00	0.00	0.00	0.00	17.12	10.43
420.	0.00	0.00	69.91	2012.14	1.09	0.24	1.82	-0.85	0.00	0.00	0.00	0.00	17.19	8.09
425.	0.00	0.00	10.23	2015.03	1.03	0.23	1.75	3.06	0.00	0.00	0.00	0.00	17.30	5.53
430.	0.00	0.00	19.48	1965.88	1.00	0.23	1.48	3.01	0.00	0.00	0.00	0.00	17.42	6.52
435.	0.00	0.00	29.73	1910.95	0.97	0.22	1.55	-0.80	0.00	0.00	0.00	0.00	17.54	7.85
440.	0.00	0.00	40.14	1879.15	0.96	0.22	1.43	-0.37	0.00	0.00	0.00	0.00	17.66	5.67
445.	0.00	0.00	50.38	1870.48	0.91	0.22	1.34	-0.82	0.00	0.00	0.00	0.00	17.79	7.76
450.	0.00	0.00	59.66	1847.35	0.86	0.21	1.41	-0.59	0.00	0.00	0.00	0.00	17.97	5.63
455.	0.00	0.00	69.92	1792.42	0.83	0.21	1.32	-0.80	0.00	0.00	0.00	0.00	18.02	6.03
460.	0.00	0.00	10.23	1763.51	0.80	0.21	1.17	3.63	0.00	0.00	0.00	0.00	18.14	6.55
465.	0.00	0.00	19.49	1743.27	0.79	0.20	1.16	2.11	0.00	0.00	0.00	0.00	18.18	9.72
470.	0.00	0.00	29.73	1705.69	0.75	0.20	1.12	0.07	0.00	0.00	0.00	0.00	18.25	6.40

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	0.00	0.00	40.14	1691.23	0.73	0.20	1.12	-0.47	0.00	0.00	0.00	0.00	18.30	5.88
480.	0.00	0.00	50.39	1673.89	0.71	0.20	1.10	-0.62	0.00	0.00	0.00	0.00	18.25	2.91
485.	0.00	0.00	59.67	1642.09	0.69	0.19	1.22	-0.85	0.00	0.00	0.00	0.00	18.38	4.29
490.	0.00	0.00	69.92	1618.96	0.67	0.19	1.08	-0.93	0.00	0.00	0.00	0.00	18.44	9.49
495.	0.00	0.00	10.23	1647.87	0.64	0.18	1.17	3.00	0.00	0.00	0.00	0.00	18.48	5.61
500.	0.00	0.00	19.48	1647.87	0.64	0.18	1.04	1.43	0.00	0.00	0.00	0.00	18.67	7.86
505.	0.00	0.00	29.73	1566.92	0.61	0.18	1.09	-0.38	0.00	0.00	0.00	0.00	18.73	8.87
510.	0.00	0.00	40.14	1566.92	0.60	0.18	1.10	0.19	0.00	0.00	0.00	0.00	18.82	7.16
515.	0.00	0.00	50.40	1564.03	0.58	0.18	1.03	-0.86	0.00	0.00	0.00	0.00	18.87	7.78
520.	0.00	0.00	59.68	1590.05	0.56	0.18	1.03	0.23	0.00	0.00	0.00	0.00	18.96	4.32
525.	0.00	0.00	69.93	1546.68	0.56	0.18	0.95	-0.86	0.00	0.00	0.00	0.00	18.96	2.80
530.	0.00	0.00	10.23	1491.75	0.54	0.18	0.96	2.74	0.00	0.00	0.00	0.00	19.07	3.19
535.	0.00	0.00	19.48	1509.10	0.52	0.18	0.92	2.00	0.00	0.00	0.00	0.00	19.11	3.98
540.	0.00	0.00	29.73	1509.10	0.51	0.18	0.90	0.72	0.00	0.00	0.00	0.00	19.21	5.17
545.	0.00	0.00	40.14	1474.41	0.49	0.18	0.92	-0.69	0.00	0.00	0.00	0.00	19.32	5.41
550.	0.00	0.00	50.40	1494.65	0.49	0.17	0.90	-0.63	0.00	0.00	0.00	0.00	19.38	4.39
555.	0.00	0.00	59.67	1468.63	0.48	0.17	0.87	0.34	0.00	0.00	0.00	0.00	19.48	8.11
560.	0.00	0.00	69.93	1480.19	0.46	0.17	0.81	-0.92	0.00	0.00	0.00	0.00	19.60	5.52
565.	0.00	0.00	10.23	1451.28	0.44	0.18	0.81	2.23	0.00	0.00	0.00	0.00	19.69	8.59
570.	0.00	0.00	19.49	1474.41	0.45	0.18	0.82	1.01	0.00	0.00	0.00	0.00	19.69	4.30
575.	0.00	0.00	29.73	1474.41	0.43	0.18	0.77	0.41	0.00	0.00	0.00	0.00	19.74	3.09
580.	0.00	0.00	40.15	1462.85	0.41	0.17	0.82	0.30	0.00	0.00	0.00	0.00	19.83	1.07
585.	0.00	0.00	50.39	1468.63	0.42	0.17	0.75	0.41	0.00	0.00	0.00	0.00	19.87	2.76
590.	0.00	0.00	59.67	1474.41	0.39	0.17	0.76	-1.08	0.00	0.00	0.00	0.00	19.93	2.96
595.	0.00	0.00	69.91	1468.63	0.38	0.17	0.75	-0.84	0.00	0.00	0.00	0.00	19.96	4.03
600.	0.00	0.00	10.23	1448.39	0.38	0.17	0.72	2.36	0.00	0.00	0.00	0.00	19.98	2.09
605.	0.00	0.00	19.49	1445.50	0.36	0.17	0.71	1.29	0.00	0.00	0.00	0.00	20.03	4.29
610.	0.00	0.00	29.73	1436.83	0.37	0.17	0.77	0.07	0.00	0.00	0.00	0.00	20.11	4.98
615.	0.00	0.00	40.15	1439.72	0.36	0.16	0.79	-0.27	0.00	0.00	0.00	0.00	20.17	5.42
620.	0.00	0.00	50.39	1465.74	0.36	0.16	0.74	-0.50	0.00	0.00	0.00	0.00	20.22	4.62
625.	0.00	0.00	59.68	1462.85	0.36	0.16	0.75	-0.32	0.00	0.00	0.00	0.00	20.31	-0.22
630.	0.00	0.00	69.93	1422.37	0.34	0.16	0.72	-0.78	0.00	0.00	0.00	0.00	20.37	6.41
635.	0.00	0.00	10.23	1433.94	0.34	0.16	0.69	1.92	0.00	0.00	0.00	0.00	20.38	2.25
640.	0.00	0.00	19.48	1448.39	0.34	0.16	0.75	1.47	0.00	0.00	0.00	0.00	20.30	2.47
645.	0.00	0.00	29.73	1462.85	0.33	0.16	0.74	0.98	0.00	0.00	0.00	0.00	20.36	3.26
650.	0.00	0.00	40.15	1468.63	0.33	0.16	0.75	-0.25	0.00	0.00	0.00	0.00	20.39	4.68
655.	0.00	0.00	50.39	1407.92	0.32	0.16	0.75	-0.48	0.00	0.00	0.00	0.00	20.53	5.98
660.	0.00	0.00	59.67	1445.50	0.31	0.16	0.71	-0.84	0.00	0.00	0.00	0.00	20.57	5.90
665.	0.00	0.00	69.92	1445.50	0.30	0.16	0.71	-0.80	0.00	0.00	0.00	0.00	20.63	3.03
670.	0.00	0.00	10.22	1445.50	0.31	0.16	0.77	1.98	0.00	0.00	0.00	0.00	20.57	2.36
675.	0.00	0.00	19.48	1448.39	0.28	0.16	0.73	1.33	0.00	0.00	0.00	0.00	20.62	-0.23
680.	0.00	0.00	29.72	1428.15	0.28	0.15	0.71	0.21	0.00	0.00	0.00	0.00	20.64	5.99
685.	0.00	0.00	40.13	1483.08	0.28	0.15	0.71	-0.57	0.00	0.00	0.00	0.00	20.68	5.43
690.	0.00	0.00	50.38	1465.74	0.29	0.15	0.68	0.44	0.00	0.00	0.00	0.00	20.59	0.61
695.	0.00	0.00	59.66	1471.52	0.28	0.15	0.68	-0.50	0.00	0.00	0.00	0.00	20.58	4.37
700.	0.00	0.00	69.91	1425.26	0.28	0.15	0.67	-0.79	0.00	0.00	0.00	0.00	20.66	5.01
705.	0.00	0.00	10.22	1445.50	0.27	0.15	0.65	1.92	0.00	0.00	0.00	0.00	20.61	1.08
710.	0.00	0.00	19.49	1454.17	0.28	0.15	0.70	1.32	0.00	0.00	0.00	0.00	20.69	3.17
715.	0.00	0.00	29.73	1439.72	0.26	0.15	0.67	0.16	0.00	0.00	0.00	0.00	20.71	2.70
720.	0.00	0.00	40.14	1428.15	0.25	0.15	0.66	0.27	0.00	0.00	0.00	0.00	20.60	4.10

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	0.00	0.00	50.39	1407.92	0.26	0.15	0.66	0.08	0.00	0.00	0.00	0.00	20.59	2.76
730.	0.00	0.00	59.66	1433.94	0.25	0.15	0.66	-0.19	0.00	0.00	0.00	0.00	20.70	3.24
735.	0.00	0.00	69.91	1457.06	0.25	0.15	0.64	-0.45	0.00	0.00	0.00	0.00	20.60	4.56
740.	0.00	0.00	10.23	1454.17	0.26	0.14	0.68	1.84	0.00	0.00	0.00	0.00	20.60	0.21
745.	0.00	0.00	19.48	1451.28	0.24	0.14	0.64	1.20	0.00	0.00	0.00	0.00	20.70	3.25
750.	0.00	0.00	29.73	1439.72	0.24	0.14	0.65	0.33	0.00	0.00	0.00	0.00	20.65	1.95
755.	0.00	0.00	40.14	1474.41	0.24	0.14	0.64	-0.21	0.00	0.00	0.00	0.00	20.72	2.86
760.	0.00	0.00	50.38	1405.03	0.24	0.14	0.63	0.03	0.00	0.00	0.00	0.00	20.76	1.51
765.	0.00	0.00	59.67	1442.61	0.24	0.14	0.63	-0.91	0.00	0.00	0.00	0.00	20.75	4.53
770.	0.00	0.00	69.92	1413.70	0.24	0.14	0.64	-0.50	0.00	0.00	0.00	0.00	20.69	0.46
775.	0.00	0.00	10.22	1433.94	0.25	0.14	0.62	1.70	0.00	0.00	0.00	0.00	20.80	3.29
780.	0.00	0.00	19.48	1445.50	0.23	0.14	0.62	1.17	0.00	0.00	0.00	0.00	20.82	2.17
785.	0.00	0.00	29.73	1399.24	0.25	0.14	0.60	0.30	0.00	0.00	0.00	0.00	20.79	-0.35
790.	0.00	0.00	19.49	1445.50	0.22	0.14	0.60	1.05	0.00	0.00	0.00	0.00	20.81	6.06
795.	0.00	0.00	29.73	1425.26	0.23	0.14	0.58	-0.48	0.00	0.00	0.00	0.00	20.77	4.80

TIME	42	43	44	45	46	47	48
0.	0.31	-0.56	-0.45	-1.08	-0.88	0.00	0.00
0.	-1.32	0.31	-0.22	1.54	0.20	0.00	0.00
0.	0.90	-1.47	1.11	-0.59	1.17	0.00	0.00
0.	-0.63	0.98	-0.09	0.23	-0.70	0.00	0.00
0.	1.01	0.17	-0.33	0.58	-0.08	0.00	0.00
0.	-0.28	0.56	-0.02	-0.68	0.28	0.00	0.00
5.	2.19	-1.00	0.70	-0.19	1.98	0.00	5.00
10.	1.72	-0.91	0.57	0.18	-0.03	0.00	10.00
15.	0.73	2.36	-1.59	1.81	-1.43	0.10	15.00
20.	3.26	2.98	-0.93	-0.02	0.28	0.40	20.00
25.	5.00	1.85	-0.71	-2.03	-3.22	0.64	25.00
30.	5.54	-1.07	1.62	-0.33	-0.66	1.24	30.00
35.	5.01	1.55	-2.19	1.71	-0.05	2.12	35.00
40.	6.98	1.35	-2.85	-1.65	-3.03	3.16	40.00
45.	9.75	1.38	1.97	-3.56	-1.56	4.09	45.00
50.	7.16	4.21	1.69	0.16	1.82	6.10	50.00
55.	5.81	7.76	-0.91	-0.80	4.17	8.25	55.00
60.	7.54	6.23	0.21	-1.55	-2.06	9.81	60.00
65.	5.34	5.99	0.48	-1.99	-0.54	10.46	65.00
70.	11.43	3.79	0.22	-0.18	-1.47	10.85	70.00
75.	9.33	2.37	-0.53	-1.10	-1.90	11.65	75.00
80.	5.02	5.77	0.13	0.25	-2.72	11.50	80.00
85.	5.72	5.50	1.89	-1.68	1.85	11.34	85.00
90.	6.38	3.73	1.84	-0.95	1.23	11.77	90.00
95.	11.89	3.88	-0.45	0.43	-2.31	11.95	95.00
100.	11.73	3.15	0.36	-0.83	-2.30	12.11	100.00
105.	6.06	4.46	1.70	-1.60	-0.63	12.18	105.00
110.	11.34	5.48	2.11	-0.88	-2.11	12.16	110.00
115.	9.61	4.66	0.93	1.49	-0.22	11.76	115.00
120.	11.16	6.04	-1.05	-0.01	-3.48	11.66	120.00
125.	11.37	1.38	0.76	-2.29	0.43	11.73	125.00
130.	7.61	4.39	-0.33	-1.50	-2.44	11.66	130.00
135.	9.02	7.90	-0.44	-2.31	-1.96	11.43	135.00
140.	12.98	5.64	-1.61	0.74	-1.09	11.67	140.00
145.	12.33	6.11	1.41	1.21	-0.74	11.62	145.00
150.	9.33	10.05	-1.54	-1.42	-3.34	11.48	150.00
155.	10.35	8.96	-6.32	-1.30	-2.80	11.58	155.00
160.	10.00	5.04	-0.81	-0.42	-0.63	11.73	160.00
165.	6.92	5.85	-0.14	1.58	-3.15	11.69	165.00
170.	8.16	0.75	1.01	-1.18	-0.88	11.32	170.00
175.	7.50	10.48	0.90	-3.34	1.71	11.11	175.00
180.	6.65	9.50	0.36	-0.96	-0.69	10.97	180.00
185.	12.82	5.27	-2.73	-1.74	-0.32	11.56	185.00
190.	10.40	4.37	-0.83	0.61	-1.02	11.57	190.00
195.	10.14	9.25	-3.38	4.19	0.30	11.31	195.00
200.	9.60	3.18	4.29	-3.86	-0.47	10.93	200.00
205.	10.78	5.06	1.59	-2.19	0.04	10.98	205.00
210.	7.04	7.99	-4.08	0.16	2.37	11.25	210.00
215.	9.63	10.53	-1.54	-1.22	3.27	11.05	215.00
220.	11.30	5.02	3.38	-0.56	1.36	10.94	220.00

TIME	42	43	44	45	46	47	48
225.	11.97	6.98	-1.04	-1.20	-0.06	10.55	225.00
230.	8.34	5.79	-2.73	-2.10	1.52	10.84	230.00
235.	10.59	5.64	0.92	-1.34	0.11	10.64	235.00
240.	9.11	5.43	-1.46	3.92	-4.15	10.30	240.00
245.	8.63	7.24	3.29	-3.88	-1.96	10.08	245.00
250.	10.98	2.98	-1.83	-0.21	0.02	10.88	250.00
255.	9.92	5.45	2.02	-0.49	1.00	11.12	255.00
260.	7.99	9.11	-0.24	-0.50	0.59	10.85	260.00
265.	10.23	7.68	-0.49	1.03	-2.14	10.43	265.00
270.	12.89	3.02	-2.33	1.43	-0.99	10.66	270.00
275.	10.36	5.68	-2.17	0.76	0.79	10.55	275.00
280.	5.12	9.80	-1.54	2.30	-1.95	10.07	280.00
285.	11.98	7.61	0.67	-0.79	-2.56	10.23	285.00
290.	9.80	6.35	-0.70	0.75	-9.23	9.73	290.00
295.	11.23	7.01	-0.77	0.06	-1.05	9.80	295.00
300.	9.59	7.06	-0.92	-0.83	-3.38	9.30	300.00
305.	12.21	4.78	-3.13	0.06	-0.44	9.20	305.00
310.	9.99	3.78	2.60	-3.17	-0.48	8.96	310.00
315.	8.94	7.82	-0.70	-1.16	0.43	9.14	315.00
320.	11.02	4.39	-0.18	-1.39	-4.34	9.07	320.00
325.	10.49	4.28	1.26	-0.78	-1.51	8.24	325.00
330.	9.18	4.46	1.11	-2.10	-1.03	8.01	330.00
335.	12.52	2.97	0.35	1.30	-0.70	7.43	335.00
340.	11.31	4.66	-0.99	-0.25	-0.29	7.59	340.00
345.	7.06	5.52	0.66	-0.63	-0.74	7.31	345.00
350.	7.57	3.64	0.95	1.11	-1.28	6.96	350.00
355.	6.20	5.08	-0.23	-0.35	-1.56	6.53	355.00
360.	9.70	4.70	-1.95	0.99	-3.73	6.56	360.00
365.	10.15	6.45	-3.35	0.85	-3.18	6.01	365.00
370.	8.31	2.62	0.41	-1.50	-3.99	6.01	370.00
375.	10.23	2.42	-0.03	-0.90	-1.85	5.49	375.00
380.	5.48	2.92	1.49	0.26	-1.92	5.19	380.00
385.	6.36	4.72	-1.90	-0.32	-1.73	5.09	385.00
390.	6.93	5.31	-1.87	-1.24	-1.35	4.99	390.00
395.	6.88	4.03	1.77	-1.44	-3.28	4.80	395.00
400.	5.25	6.10	0.51	-1.41	-0.48	4.49	400.00
405.	5.98	4.47	-0.06	-0.48	-2.22	4.40	405.00
410.	6.65	3.00	-0.48	2.77	-3.76	3.94	410.00
415.	4.03	4.65	2.11	-0.76	-0.89	3.82	415.00
420.	4.95	6.46	0.30	0.33	-1.24	3.77	420.00
425.	6.45	4.78	-0.01	-0.43	-2.22	3.71	425.00
430.	8.03	2.19	3.26	-2.14	0.20	3.71	430.00
435.	5.82	4.82	-0.78	0.80	-1.11	3.44	435.00
440.	7.57	4.36	0.32	-1.29	-1.19	3.35	440.00
445.	7.37	4.05	-0.23	0.06	-0.42	3.29	445.00
450.	6.70	4.37	-1.10	0.72	-3.01	3.11	450.00
455.	7.45	2.73	1.78	-1.58	1.97	2.97	455.00
460.	6.34	3.30	-0.89	0.73	-2.05	2.95	460.00
465.	4.83	6.28	-1.98	-0.14	-0.18	2.91	465.00
470.	4.97	3.38	0.92	-0.89	-0.73	2.81	470.00

TIME	42	43	44	45	46	47	48
475.	5.00	4.04	0.28	-1.15	-1.09	2.94	475.00
480.	5.78	3.86	0.12	-0.46	-0.41	2.66	480.00
485.	8.40	1.72	0.67	-0.98	-1.47	2.56	485.00
490.	3.94	4.47	0.69	-0.99	-0.03	2.58	490.00
495.	6.67	0.54	1.46	-0.83	-1.51	2.43	495.00
500.	3.81	4.46	-0.91	1.20	-1.77	2.41	500.00
505.	4.25	2.56	1.48	-0.92	-0.73	2.26	505.00
510.	3.12	3.91	-1.13	0.13	-0.11	2.22	510.00
515.	4.26	2.26	0.23	-2.10	-0.11	2.17	515.00
520.	4.93	2.98	-0.75	-0.00	-1.11	2.01	520.00
525.	5.89	3.44	-1.57	0.73	-0.35	1.91	525.00
530.	8.44	0.03	0.25	0.08	-1.31	1.77	530.00
535.	6.42	1.82	-0.12	0.72	-2.85	1.77	535.00
540.	5.49	1.08	1.72	-1.14	-3.99	1.57	540.00
545.	4.63	1.41	-0.19	0.21	-1.57	1.54	545.00
550.	4.88	2.41	-0.98	1.19	-0.95	1.35	550.00
555.	2.94	3.47	-1.77	1.27	-0.21	1.34	555.00
560.	4.24	2.88	-1.58	-1.56	-2.15	1.20	560.00
565.	1.70	2.88	0.05	1.26	-2.51	1.20	565.00
570.	6.08	-0.87	2.04	-0.86	-2.56	1.19	570.00
575.	4.36	2.21	-0.51	-0.40	0.04	1.08	575.00
580.	6.52	0.55	0.61	-0.73	-1.40	1.00	580.00
585.	6.43	-0.20	1.37	-0.83	-0.67	0.93	585.00
590.	4.00	1.51	0.22	-0.99	-0.15	0.93	590.00
595.	4.56	-0.31	1.34	0.15	-0.50	0.91	595.00
600.	4.41	1.67	-0.74	0.73	-1.86	0.86	600.00
605.	3.84	2.10	-0.55	-2.00	-2.73	0.77	605.00
610.	1.40	2.69	1.19	-1.36	0.79	0.66	610.00
615.	3.79	0.83	0.45	0.42	-3.47	0.64	615.00
620.	2.17	2.34	0.71	-0.85	0.76	0.58	620.00
625.	6.69	-1.57	1.79	-0.65	-0.50	0.44	625.00
630.	1.28	1.70	0.32	0.26	-1.37	0.42	630.00
635.	2.92	1.90	0.69	0.04	-0.74	0.45	635.00
640.	4.55	1.60	-1.51	-1.84	-2.21	0.39	640.00
645.	2.99	1.16	-0.06	-0.79	-0.96	0.36	645.00
650.	2.09	2.62	-0.57	0.63	-0.21	0.31	650.00
655.	1.45	2.23	-0.85	0.18	0.43	0.27	655.00
660.	1.80	2.31	-0.33	0.69	-1.63	0.19	660.00
665.	3.79	0.38	-0.40	0.97	-0.79	0.19	665.00
670.	2.58	-0.34	1.59	-1.57	0.01	0.18	670.00
675.	5.09	-2.01	0.82	-1.02	-3.92	0.20	675.00
680.	-0.44	3.63	-0.60	-0.43	0.44	0.17	680.00
685.	1.38	2.45	-0.65	-0.49	-2.02	0.15	685.00
690.	4.76	-0.79	0.56	0.13	0.72	0.17	690.00
695.	0.89	3.27	-0.78	0.46	0.40	0.14	695.00
700.	2.69	0.55	-0.92	1.10	-3.25	0.13	700.00
705.	3.17	0.61	-0.70	0.30	-0.41	0.11	705.00
710.	1.06	1.76	0.32	-0.65	-1.67	0.12	710.00
715.	2.71	1.34	-1.20	0.80	-0.73	0.12	715.00
720.	2.55	0.32	0.85	-0.75	-1.88	0.11	720.00

TIME	42	43	44	45	46	47	48
725.	1.09	2.36	0.07	-1.73	-0.70	0.14	725.00
730.	2.59	1.59	0.21	-1.82	0.68	0.08	730.00
735.	-0.18	2.34	-0.82	0.37	-0.79	0.12	735.00
740.	4.32	-1.57	0.68	-0.15	-2.31	0.12	740.00
745.	0.73	2.00	-0.62	-0.63	1.04	0.07	745.00
750.	3.23	1.92	-0.51	-0.99	0.57	0.03	750.00
755.	2.64	-0.31	0.53	0.72	-1.38	0.10	755.00
760.	1.49	1.04	1.13	-2.90	1.26	0.08	760.00
765.	2.03	0.63	0.19	0.79	-0.53	0.07	765.00
770.	3.96	-0.52	0.80	-0.30	1.68	0.04	770.00
775.	1.21	0.98	-0.47	1.26	1.00	0.05	775.00
780.	2.22	-0.31	1.39	-0.77	-0.54	0.05	780.00
785.	4.31	-0.51	0.12	1.31	-2.16	0.06	785.00
790.	1.24	0.72	0.46	0.95	-1.77	0.03	790.00
795.	1.56	0.36	1.48	-0.10	-2.43	0.02	795.00

PRC9-W-2-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	24.55	23.35	22.88	22.92	22.38	21.70	21.57	24.05	23.77	23.72	23.63	23.72	23.63	23.55
0.	24.40	23.10	22.90	22.75	22.90	21.72	21.90	24.10	23.80	23.70	23.67	23.72	23.63	23.57
0.	24.22	23.35	22.90	22.85	22.85	21.72	21.70	24.13	23.80	23.77	23.72	23.80	23.65	23.65
0.	24.65	24.50	22.85	22.85	22.67	21.75	21.63	24.15	23.80	23.63	23.70	23.80	23.67	23.60
0.	24.65	23.97	22.77	22.85	22.80	21.80	21.80	24.10	23.82	23.77	23.77	23.77	23.65	23.65
0.	24.13	23.75	22.92	23.07	22.85	21.97	21.97	24.10	23.85	23.77	23.77	23.77	23.67	23.65
5.103316.	37	27.97	28.95	23.40	22.82	22.30	22.27	25.05	34.54	29.20	27.85	27.90	26.72	27.12
10.	34.61	32.46	29.13	23.30	23.30	22.40	21.88	25.45	37.63	31.95	32.44	33.51	29.27	29.90
15.	37.71	34.34	25.05	23.22	23.25	22.45	22.38	25.97	40.46	37.02	35.76	36.27	33.88	35.39
20.	41.39	36.63	23.55	22.92	22.72	22.42	21.97	26.72	42.41	40.27	38.73	38.93	35.95	38.41
25.	49.05	41.78	29.05	22.72	23.10	22.47	22.07	27.57	47.61	43.88	41.93	44.07	38.29	40.76
30.	55.41	42.29	23.60	22.72	23.27	22.22	22.10	28.37	55.49	49.63	47.37	50.32	43.68	42.17
35.	59.50	47.34	23.47	22.72	23.40	22.25	22.20	29.80	62.76	55.73	50.29	52.78	51.49	52.56
40.	67.86	56.27	23.20	22.80	23.32	22.05	22.00	30.73	73.51	63.26	59.55	61.93	56.54	58.81
45.	78.51	60.33	24.70	22.82	23.30	22.07	21.95	32.37	86.40	80.62	78.29	74.98	66.57	70.95
50.	87.62	64.43	24.40	22.90	23.10	21.85	21.80	34.44	97.02	83.86	82.50	84.02	75.85	79.02
55.	103.10	74.73	24.32	22.70	23.37	21.92	21.72	36.71	116.24	101.27	92.90	95.48	87.14	95.64
60.	119.15	100.15	32.88	22.72	23.47	21.97	21.63	39.34	142.20	123.54	113.93	113.34	100.58	110.00
65.	140.00	105.32	27.35	23.02	23.60	21.97	21.72	43.12	157.22	143.25	142.10	126.34	118.68	112.24
70.	149.80	118.83	25.15	22.95	23.60	21.88	21.77	46.54	174.57	156.45	148.20	141.42	129.61	127.17
75.	167.52	112.46	24.72	23.05	23.75	21.95	21.80	50.54	182.97	167.67	158.17	154.65	144.15	155.10
80.	181.05	124.73	32.66	23.13	24.00	22.05	21.88	55.22	202.95	177.25	168.07	166.55	153.75	166.30
85.	199.38	148.82	28.77	23.32	24.13	21.97	21.97	58.40	213.97	196.55	185.10	189.00	174.55	179.35
90.	207.12	168.47	25.57	23.52	24.30	22.27	22.17	62.00	235.07	217.22	204.10	202.93	199.35	192.57
95.	225.95	177.77	28.25	23.87	24.52	22.32	22.12	67.43	243.29	225.57	217.50	224.32	206.46	202.85
100.	232.54	177.15	35.32	24.07	24.57	22.07	22.07	74.15	269.51	239.80	238.80	236.98	220.30	221.05
105.	240.51	189.47	39.63	23.92	24.82	22.20	22.05	79.37	260.49	249.88	251.07	251.07	241.00	233.76
110.	254.12	215.72	58.00	23.97	25.07	22.57	22.27	83.12	279.32	252.32	254.00	254.85	250.51	251.68
115.	268.05	173.47	47.51	24.27	25.15	22.60	22.35	87.40	281.49	272.32	273.37	269.17	263.29	251.95
120.	273.44	203.76	42.32	24.30	24.97	22.35	22.47	92.00	305.49	279.56	272.34	268.29	249.15	242.07
125.	269.27	228.05	46.51	24.57	25.13	22.55	22.52	100.29	292.63	274.05	264.03	270.56	258.12	254.66
130.	262.17	218.80	39.39	24.77	25.27	22.52	22.40	104.58	280.15	275.07	266.98	273.76	266.73	269.85
135.	276.63	189.17	37.83	25.17	25.97	22.52	22.45	108.54	288.58	280.85	275.32	277.76	266.24	259.83
140.	283.78	251.85	37.61	24.82	25.77	22.65	22.50	112.10	310.52	292.22	288.54	281.39	274.83	274.12
145.	280.37	238.61	43.41	24.80	26.50	22.55	22.38	114.46	306.54	295.90	297.07	292.36	291.95	291.51
150.	296.37	231.50	48.58	24.77	26.57	22.40	22.38	118.73	308.76	292.57	290.90	303.10	292.74	278.80
155.	290.56	244.15	78.52	24.80	26.55	22.45	22.50	121.41	315.76	306.71	301.56	294.14	289.95	283.37
160.	285.39	235.17	64.98	24.97	26.15	22.82	23.05	124.49	324.83	312.98	307.51	305.98	287.22	279.07
165.	286.39	242.56	54.66	25.27	27.22	22.80	22.67	126.58	318.02	306.17	304.24	310.88	296.85	294.63
170.	292.46	223.97	50.07	25.45	26.95	22.85	22.77	129.76	315.48	313.71	310.71	310.86	304.63	293.26
175.	296.10	258.95	29.56	25.40	27.95	22.77	22.63	136.07	311.36	316.29	309.73	313.54	292.81	295.37
180.	286.15	256.63	40.71	25.42	27.20	23.10	22.65	138.90	314.93	310.10	310.61	309.68	297.24	291.54
185.	287.37	244.78	43.19	25.63	26.50	22.72	22.38	141.60	311.46	303.07	295.00	296.85	287.73	285.19
190.	290.93	238.54	46.56	25.65	26.52	22.55	22.47	142.90	308.19	292.76	293.02	307.51	294.02	302.41
195.	297.17	258.93	44.39	25.70	26.65	22.47	22.55	144.77	305.71	304.19	293.07	304.32	301.61	293.51
200.	280.66	251.83	66.17	25.88	26.92	22.63	22.02	147.15	312.90	302.17	291.50	306.15	293.79	282.12
205.	290.10	228.22	54.07	25.75	27.17	22.22	22.17	148.95	308.56	292.93	296.49	297.22	285.27	281.73
210.	287.88	228.44	43.44	25.92	26.25	22.30	22.35	150.45	305.29	295.22	287.80	283.66	275.10	274.34
215.	282.05	253.05	28.75	26.05	27.07	22.42	22.20	151.63	293.14	292.79	291.33	297.44	284.19	278.85
220.	283.61	240.08	49.83	26.10	27.07	22.55	22.12	153.65	305.07	292.61	288.98	294.15	276.32	273.98

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	284.22	244.88	48.34	25.82	26.32	22.60	22.60	154.55	293.31	296.63	294.76	294.44	279.27	272.34
230.	275.85	206.15	66.36	25.27	27.42	22.75	22.40	155.62	313.07	291.22	289.34	290.49	282.15	277.95
235.	278.41	243.22	55.17	25.32	27.97	22.65	22.47	156.72	303.44	294.09	295.66	290.88	278.73	275.51
240.	284.32	244.34	62.21	25.42	28.13	22.80	22.55	157.07	302.93	289.00	283.66	281.37	277.27	276.03
245.	283.15	244.85	76.61	25.47	27.38	23.00	22.90	156.67	291.93	292.95	292.17	292.05	286.63	290.17
250.	275.98	228.78	58.73	25.65	27.85	23.00	22.77	158.38	290.90	285.73	285.32	292.46	279.56	277.17
255.	284.37	233.25	51.83	25.80	27.50	23.10	23.00	159.90	294.24	277.71	273.61	278.71	273.76	274.83
260.	268.10	233.40	53.10	26.20	27.05	23.20	23.20	160.87	292.83	288.34	282.80	288.56	274.19	259.90
265.	277.76	244.32	78.88	26.20	27.75	23.47	23.22	161.72	293.93	288.80	286.63	284.66	274.29	271.83
270.	279.54	242.56	46.32	26.20	27.32	22.72	23.00	162.52	291.98	293.12	290.93	290.83	279.61	282.51
275.	278.61	230.70	70.76	25.60	28.13	22.90	22.95	164.40	296.17	287.73	286.51	279.68	268.95	267.15
280.	271.15	230.63	59.38	25.35	27.92	22.75	22.72	164.35	285.56	282.24	279.56	283.78	268.98	270.88
285.	265.51	225.25	64.67	25.30	28.22	22.85	22.92	163.77	291.88	289.34	286.12	290.51	280.15	268.10
290.	271.90	246.83	79.93	25.35	28.88	23.02	22.60	163.20	284.29	279.71	277.34	277.90	271.88	267.68
295.	268.22	225.95	89.64	25.25	29.00	22.80	22.55	164.42	293.58	281.98	281.63	282.88	267.22	267.05
300.	273.24	230.61	76.37	25.40	27.92	22.65	22.55	165.45	296.68	279.83	275.93	278.32	263.24	263.39
305.	273.80	216.52	75.12	25.42	28.63	22.72	22.57	165.55	284.76	280.37	276.83	276.49	266.98	266.24
310.	268.80	243.90	75.58	25.55	28.22	22.47	22.40	166.27	288.63	285.44	279.80	285.73	276.71	279.73
315.	269.46	240.46	65.57	25.45	28.80	22.50	22.42	167.30	284.17	286.54	282.80	286.00	269.76	261.80
320.	275.93	232.24	88.43	25.52	29.35	22.70	22.77	167.88	280.51	280.51	274.78	272.15	264.49	261.19
325.	273.29	223.10	83.36	25.85	28.27	23.07	22.92	167.45	287.88	278.61	274.29	276.95	267.12	269.56
330.	256.32	234.44	64.21	25.95	29.60	22.95	23.02	167.38	282.93	279.32	276.12	279.66	276.54	276.41
335.	273.61	247.00	44.27	26.40	27.72	22.97	22.82	168.30	285.71	282.27	279.61	284.83	277.41	267.95
340.	271.46	238.68	54.49	26.27	28.17	22.82	22.77	168.42	286.76	287.56	283.71	287.49	277.88	274.22
345.	270.44	217.38	73.39	26.80	28.50	22.90	22.42	169.17	295.02	280.41	276.12	276.37	268.56	277.44
350.	268.10	244.10	83.55	26.65	29.67	23.15	22.52	170.42	291.19	292.00	291.17	295.22	281.85	269.90
355.	279.85	234.54	64.12	26.27	28.37	23.00	23.13	172.45	292.98	287.19	281.12	275.60	268.05	266.12
360.	269.51	238.95	84.17	26.32	29.07	23.22	22.92	172.95	285.07	277.34	276.68	280.56	272.66	270.71
365.	277.58	231.38	78.02	25.88	29.82	22.90	22.70	173.72	290.49	281.73	279.12	277.51	266.19	261.73
370.	274.73	241.22	83.71	26.70	29.45	22.77	22.67	173.97	297.73	287.78	283.49	282.73	271.71	271.41
375.	269.32	233.12	82.71	26.55	28.72	22.82	22.65	174.17	290.49	280.24	274.10	276.10	263.34	261.80
380.	273.02	220.25	82.09	25.65	28.75	23.50	22.72	175.72	292.59	280.34	277.02	279.85	268.29	262.63
385.	267.24	238.44	151.13	25.77	27.80	22.80	22.72	175.97	284.19	280.73	278.54	279.19	270.39	269.05
390.	275.24	244.73	107.85	26.25	29.07	22.97	22.97	176.27	290.15	287.63	285.66	285.58	269.17	261.78
395.	274.85	232.22	53.88	26.32	29.30	22.77	22.95	177.50	293.95	289.19	283.17	280.78	271.66	265.07
400.	274.19	236.78	84.07	27.30	28.52	22.75	22.95	178.30	290.41	285.54	279.56	283.24	271.95	270.88
405.	264.85	242.10	82.00	28.00	29.82	23.07	22.70	179.30	288.90	293.02	279.07	279.54	271.65	264.46
410.	275.73	237.37	62.50	27.12	29.32	22.97	22.70	179.70	291.86	284.12	280.68	280.17	266.51	261.71
415.	264.88	230.46	97.33	27.75	28.95	22.70	22.70	180.42	288.83	286.19	281.46	276.02	263.51	259.68
420.	268.37	227.98	78.41	26.90	29.60	22.82	22.82	180.35	285.85	279.19	273.49	272.15	268.46	269.17
425.	263.41	247.95	71.10	27.22	29.38	22.63	22.72	181.05	286.73	281.39	275.66	276.66	270.56	271.51
430.	272.22	246.37	74.02	26.63	29.57	22.60	22.72	181.52	287.32	282.00	280.51	284.61	272.29	275.95
435.	272.44	244.17	86.88	27.47	29.30	22.90	22.55	181.95	286.19	282.44	280.68	283.34	275.66	271.56
440.	276.29	234.07	85.17	26.52	29.68	23.17	22.70	182.15	283.71	286.56	280.71	278.29	266.12	263.98
445.	268.46	229.93	96.05	26.38	29.13	23.13	22.85	183.47	286.12	278.78	278.63	279.32	269.54	266.80
450.	266.17	225.35	51.98	26.38	29.38	22.75	22.32	183.13	289.76	279.07	273.29	272.27	266.10	264.98
455.	269.63	233.30	63.45	26.35	28.45	22.85	22.38	183.25	287.00	281.05	279.95	281.68	272.44	269.78
460.	263.61	249.07	88.00	26.52	29.47	22.38	22.63	183.65	282.73	276.66	273.73	274.17	265.34	272.07
465.	263.88	238.78	112.90	26.25	28.67	22.85	22.35	184.13	280.34	279.88	277.61	277.37	269.78	273.07
470.	269.68	236.17	88.59	27.57	29.27	23.05	22.80	183.77	281.32	281.29	278.15	282.39	272.66	277.68

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	269.37	230.98	84.93	27.12	28.67	22.72	22.67	184.17	292.02	281.22	275.56	270.34	262.22	262.85
480.	260.71	235.95	91.69	26.95	28.37	22.77	23.00	183.47	284.49	274.39	270.15	270.58	257.24	258.80
485.	262.29	202.73	110.19	25.75	27.90	22.97	23.17	183.77	280.29	272.54	268.71	268.02	263.41	259.63
490.	260.85	232.17	89.33	28.17	29.34	22.72	23.02	184.10	281.37	272.85	267.24	271.95	263.34	257.63
495.	259.95	233.51	74.22	26.92	29.27	23.35	23.57	184.30	279.88	268.19	266.51	269.32	261.58	264.07
500.	261.17	230.00	52.95	26.80	29.07	23.10	22.77	184.02	279.39	271.51	265.46	266.49	259.95	261.85
505.	259.37	226.32	70.83	26.60	28.27	22.67	22.80	183.10	273.12	268.71	265.85	265.56	258.58	254.34
510.	259.07	233.25	78.48	26.45	27.85	22.57	22.60	183.13	269.54	265.71	264.93	266.71	254.41	252.95
515.	256.71	226.63	73.68	26.27	28.92	22.85	22.47	183.50	272.68	265.37	263.37	266.10	257.46	251.54
520.	252.46	216.77	82.55	26.10	28.65	22.35	22.42	183.17	274.78	261.41	257.49	257.88	251.44	251.22
525.	254.15	235.29	88.48	26.55	28.72	22.50	22.52	182.55	268.85	262.24	258.17	260.41	250.46	253.15
530.	252.68	221.13	79.88	26.35	29.07	22.90	22.90	182.12	268.73	265.37	262.63	263.24	252.58	252.76
535.	250.93	228.05	74.68	26.30	28.75	23.15	22.57	181.72	263.39	259.39	256.44	258.54	249.68	251.05
540.	247.73	216.02	64.76	26.10	29.57	23.10	22.17	181.90	256.93	251.17	247.98	246.66	241.27	248.78
545.	245.51	216.07	85.21	26.00	28.65	23.63	22.45	181.57	258.32	247.56	246.05	249.32	243.54	249.41
550.	247.17	223.12	82.24	26.10	27.75	23.52	22.90	181.05	251.34	249.17	247.88	248.58	239.00	240.80
555.	244.93	204.68	81.40	25.92	29.02	23.40	23.07	180.90	258.95	250.46	248.95	247.44	242.12	240.27
560.	247.17	217.72	87.21	25.88	29.52	23.35	23.35	180.02	249.02	244.29	240.17	242.58	235.29	240.02
565.	241.27	200.37	86.81	25.97	28.72	23.27	23.42	179.42	249.10	243.73	238.88	236.27	230.29	230.22
570.	235.10	203.76	91.02	25.77	28.40	23.00	22.77	178.50	242.71	242.24	241.05	241.34	233.73	229.34
575.	232.80	204.90	87.50	26.42	29.88	23.25	22.27	177.35	241.05	240.85	237.80	236.90	229.63	232.92
580.	232.19	205.34	49.68	26.17	29.75	23.47	22.80	176.72	245.61	237.27	234.63	237.00	230.83	236.00
585.	231.58	202.34	78.66	25.77	28.60	23.13	22.72	176.05	237.56	232.95	233.35	233.22	229.35	231.55
590.	233.32	202.02	88.50	25.63	28.15	22.70	22.72	175.42	236.07	232.19	228.83	233.42	229.92	232.10
595.	228.58	203.20	55.88	25.67	28.27	22.95	22.63	175.30	235.24	231.95	228.95	231.02	230.70	230.88
600.	230.58	214.75	91.33	25.27	28.70	22.97	22.67	174.90	242.19	228.85	229.02	227.85	226.97	226.50
605.	229.65	200.07	96.62	25.65	28.77	23.02	22.67	173.97	236.12	230.80	229.00	230.54	231.65	228.27
610.	227.88	202.40	79.12	26.00	29.13	23.32	22.80	173.45	231.49	230.83	228.07	233.13	227.20	227.38
615.	225.75	198.13	52.78	25.80	28.92	23.45	22.52	172.80	232.29	227.88	231.13	229.45	226.02	225.07
620.	221.60	201.83	34.83	25.72	28.50	23.55	22.85	171.70	231.88	230.82	227.32	228.05	223.50	222.65
625.	224.97	195.02	64.36	25.92	28.55	22.97	22.77	171.55	232.95	226.07	222.40	221.70	219.00	217.25
630.	219.40	184.05	57.15	26.15	28.60	22.82	22.55	170.87	227.40	222.22	218.25	220.30	219.27	223.40
635.	219.02	185.95	73.46	26.70	26.80	22.95	23.32	170.22	227.75	222.20	219.70	220.67	215.45	218.37
640.	214.90	195.85	93.43	26.20	28.70	22.90	23.10	169.60	224.10	218.15	216.52	218.88	215.42	217.22
645.	213.95	196.57	86.38	25.65	28.15	22.63	22.57	168.88	219.65	216.07	215.35	218.00	213.55	213.77
650.	205.44	178.95	78.05	25.70	28.90	22.92	22.47	168.00	220.52	217.17	214.97	207.34	202.95	201.39
655.	203.51	194.57	59.83	25.77	28.32	22.92	22.52	167.27	215.57	213.97	207.80	207.90	202.22	200.63
660.	203.27	186.55	46.00	25.75	28.57	22.97	22.63	166.57	218.42	208.19	205.00	204.34	200.85	200.24
665.	203.10	187.47	64.38	25.65	28.57	22.77	22.52	165.77	207.12	202.85	200.10	202.76	201.47	201.40
670.	202.50	175.00	40.22	25.55	29.07	23.07	22.50	165.10	205.15	199.83	202.62	199.39	199.88	200.02
675.	203.02	186.87	32.56	25.52	27.38	23.13	22.52	165.00	204.61	201.52	200.13	202.45	199.90	203.25
680.	201.88	191.45	77.58	25.42	27.97	23.22	22.20	164.90	200.93	198.42	199.57	202.00	200.77	199.15
685.	196.75	177.57	58.09	25.52	28.10	22.47	22.25	164.22	198.30	194.97	192.32	193.42	194.80	197.17
690.	196.52	183.77	55.15	25.35	27.22	22.60	22.38	163.55	199.97	195.97	193.97	193.65	193.07	196.40
695.	194.75	177.70	76.95	25.30	26.85	22.57	22.57	162.57	198.97	190.47	189.22	187.77	187.92	191.92
700.	189.52	171.67	77.49	25.25	27.45	23.02	22.35	161.95	198.25	193.72	193.00	193.45	190.80	194.30
705.	186.47	177.60	73.24	25.25	27.67	23.37	22.32	160.95	190.15	186.65	186.40	185.12	185.82	189.42
710.	183.47	173.57	83.76	25.27	28.60	23.35	23.05	159.82	188.90	176.92	173.77	176.32	180.07	185.47
715.	184.72	178.32	52.41	25.10	27.55	23.27	22.52	159.05	181.52	179.77	178.75	180.05	180.45	182.70
720.	178.92	174.17	96.43	25.15	27.07	23.35	22.15	158.05	180.65	177.62	177.07	176.02	177.12	175.67

PRC9-W-2-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	176.77	166.47	71.00	25.10	28.13	23.17	22.97	157.27	178.75	175.17	175.32	176.67	174.90	178.57
730.	172.38	170.42	61.29	24.95	27.40	22.63	22.75	156.20	175.63	173.20	171.30	171.15	171.13	172.02
735.	170.42	159.72	66.55	25.85	27.00	22.65	22.50	155.17	170.20	169.50	170.17	169.97	170.82	170.85
740.	165.40	152.47	71.73	25.27	27.20	22.32	22.35	154.02	167.82	167.80	168.25	169.00	169.10	169.07
745.	164.92	146.12	78.64	25.17	27.45	22.38	22.30	153.10	164.60	163.45	164.57	162.72	163.35	167.38
750.	162.22	142.42	77.41	24.65	27.38	22.27	22.25	152.20	160.07	159.65	159.62	158.02	160.05	156.45
755.	160.02	147.22	60.88	24.90	26.88	22.38	22.40	151.15	156.30	157.27	157.85	157.82	158.77	153.72
760.	155.75	147.67	52.17	24.89	27.77	22.88	22.63	150.25	155.55	154.92	154.77	155.13	156.25	155.57
765.	154.25	149.25	45.00	25.05	27.22	22.75	22.25	149.47	157.75	155.82	155.82	155.55	156.30	155.40
770.	151.57	143.12	48.90	25.00	27.45	23.35	22.05	148.75	156.00	154.15	153.27	152.15	153.82	152.80
775.	149.27	142.38	52.22	24.88	26.52	22.40	22.10	148.02	156.52	153.15	153.60	153.02	154.27	154.07
780.	149.95	134.07	64.95	24.80	26.65	22.15	22.00	147.25	151.47	149.25	150.65	150.40	151.85	151.52
785.	147.70	139.57	64.02	25.15	26.85	22.07	22.30	146.42	148.00	147.95	149.17	147.52	147.20	143.10
790.	145.60	138.22	64.59	24.85	27.12	22.97	22.17	145.60	145.82	145.75	147.05	145.60	147.09	143.92
795.	145.67	115.54	53.39	24.80	26.60	22.22	22.10	144.77	143.32	142.42	145.30	142.25	142.88	137.75
800.	143.10	117.88	50.07	24.52	26.88	22.07	21.92	144.10	143.70	142.72	143.75	141.97	139.67	140.57
805.	140.30	123.76	34.24	24.17	26.38	23.15	22.10	143.32	140.22	143.85	142.77	138.45	134.30	129.24
810.	142.65	128.58	50.00	24.57	26.13	21.97	22.00	142.70	141.90	142.38	142.57	141.30	140.10	140.13
815.	139.25	119.24	58.48	24.27	25.32	22.07	22.07	141.97	138.45	137.70	139.80	139.32	139.70	139.00
820.	138.85	120.54	52.07	24.89	26.27	22.00	21.90	141.38	135.47	137.42	138.32	137.95	136.67	134.52
825.	136.65	117.68	52.76	25.22	27.72	22.12	21.95	140.67	134.97	134.72	137.70	136.70	138.70	129.71
830.	135.30	121.98	37.12	24.55	27.10	22.20	22.17	140.07	135.35	134.88	135.63	134.22	135.60	133.35
835.	128.95	111.17	40.10	24.67	26.60	22.42	22.15	139.47	133.80	129.73	133.40	133.67	128.61	128.44
840.	129.44	119.98	54.58	24.47	26.50	22.10	22.15	138.90	129.66	129.32	133.40	128.29	128.93	128.71
845.	128.17	118.12	62.59	24.65	26.32	22.02	22.10	138.35	128.80	133.95	134.88	133.65	134.62	129.88
850.	126.95	122.95	77.88	24.63	26.85	22.22	22.10	137.80	126.73	125.17	125.00	126.39	126.71	126.27
855.	125.51	118.93	57.46	24.63	26.60	22.30	22.07	137.25	126.95	126.15	126.24	126.76	127.76	127.24
860.	124.71	114.49	57.85	24.77	26.35	22.05	22.25	136.82	127.51	127.56	128.34	126.27	126.49	124.78
865.	123.49	110.83	37.00	24.47	26.72	22.22	21.88	136.35	124.56	125.76	126.05	126.78	127.78	122.66
870.	124.07	105.71	45.46	24.13	26.00	22.07	21.95	135.80	123.63	123.10	125.56	126.00	127.88	124.93
875.	123.51	116.71	52.63	24.00	26.47	22.50	21.88	135.17	122.66	121.85	124.78	124.95	125.63	122.95
880.	123.56	103.54	38.24	24.75	26.60	22.00	21.80	134.70	121.73	121.71	121.83	120.83	121.54	119.12
885.	119.44	110.73	38.32	25.00	25.92	22.67	21.92	134.25	122.70	122.49	123.39	122.27	124.07	122.24
890.	120.19	103.27	45.41	24.22	26.10	23.07	21.95	133.82	120.76	119.73	119.71	120.05	120.51	120.68
895.	121.60	107.32	31.46	24.07	25.55	22.57	21.85	133.50	122.68	123.44	123.95	122.17	123.78	119.88
900.	120.76	109.63	29.27	24.10	25.88	22.32	22.00	129.85	122.00	123.27	124.63	122.68	123.83	119.29
905.	120.63	100.46	54.95	25.17	25.70	22.02	22.20	129.46	120.02	119.19	121.46	120.90	120.73	120.98
910.	119.41	101.41	47.61	24.50	26.60	22.32	22.12	129.17	115.34	116.56	118.83	118.12	120.80	119.46
915.	118.39	106.05	56.51	24.40	25.72	22.35	22.20	128.71	118.34	117.19	117.10	114.46	115.41	115.02

PRC9-W-2-1/2

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	23.42	23.45	23.30	23.15	23.07	22.97	22.67	22.60	21.47	22.95	24.10	22.42	22.40	22.20
0.	23.47	23.47	23.37	23.17	23.07	22.95	22.80	22.63	21.55	23.00	24.13	22.47	22.38	22.25
0.	23.52	23.52	23.45	23.25	23.10	22.97	22.75	22.65	21.52	23.05	24.10	22.52	22.45	22.30
0.	23.50	23.52	23.45	23.25	23.05	22.95	22.75	22.55	21.52	23.02	24.10	22.38	22.40	22.30
0.	23.57	23.45	23.45	23.27	23.10	22.97	22.75	22.63	21.52	23.00	24.10	22.40	22.38	22.32
0.	23.52	23.55	23.37	23.20	23.07	22.97	22.67	22.55	21.50	22.97	24.10	22.35	22.32	22.27
5.	26.88	27.32	24.17	23.72	23.63	23.63	22.90	22.75	21.42	23.37	24.85	22.47	22.50	22.27
10.	29.85	29.35	26.85	24.35	23.95	24.02	23.17	22.92	21.38	23.63	25.27	22.63	22.65	22.30
15.	32.61	30.39	27.05	24.47	24.17	24.22	23.22	22.92	21.42	23.87	25.70	22.60	22.52	22.32
20.	36.63	34.71	28.90	25.70	24.55	24.27	23.20	22.97	21.42	24.17	26.42	22.63	22.65	22.42
25.	39.12	36.27	30.29	26.47	25.13	24.50	23.37	23.07	21.45	24.57	27.32	22.65	22.57	22.42
30.	42.32	39.80	32.24	27.35	25.45	24.80	23.65	23.30	21.38	24.90	27.97	22.65	22.63	22.42
35.	44.07	42.39	35.15	29.13	26.32	25.50	24.10	23.60	21.40	25.42	29.10	22.77	22.75	22.45
40.	52.54	47.05	37.44	29.98	27.65	25.82	24.25	23.80	21.42	26.30	29.76	22.92	22.95	22.47
45.	67.71	57.37	41.73	32.00	28.60	26.70	24.45	23.85	21.47	27.38	31.49	23.15	23.10	22.57
50.	79.44	62.43	43.56	35.41	30.73	29.17	25.92	24.82	21.47	29.32	33.02	23.55	23.42	22.63
55.	94.55	66.48	47.98	35.39	32.56	29.78	26.17	25.32	21.55	30.80	35.12	24.82	25.02	22.90
60.	104.83	82.95	48.85	36.61	33.63	31.37	27.72	25.60	21.63	33.17	38.24	24.77	24.67	23.20
65.	110.66	90.57	49.56	38.61	35.32	31.10	27.67	26.07	21.67	35.39	41.78	25.25	25.40	23.50
70.	121.44	91.55	49.66	40.24	37.76	33.41	28.47	27.17	21.70	37.37	44.93	25.63	25.57	23.85
75.	148.37	96.71	51.24	39.90	40.22	36.76	29.98	27.12	21.67	40.66	48.98	25.90	25.72	24.00
80.	162.88	104.83	58.24	41.41	41.37	36.39	30.83	28.60	21.88	44.73	51.12	27.50	27.27	24.30
85.	170.42	139.32	58.02	43.02	44.61	36.56	30.22	29.29	21.95	48.10	56.78	29.15	29.00	24.95
90.	189.72	169.20	57.17	45.02	45.78	38.27	31.56	30.02	21.95	52.02	59.50	28.27	28.75	25.38
95.	199.07	176.10	65.69	49.32	52.98	42.44	33.02	30.05	22.07	55.49	63.88	28.72	28.95	25.90
100.	216.20	179.92	67.64	52.68	58.90	47.85	34.61	29.78	22.12	58.44	71.61	28.65	28.42	26.20
105.	221.57	187.38	78.79	54.24	62.57	51.34	34.02	29.80	22.15	62.00	76.29	28.92	28.63	26.25
110.	232.10	202.56	81.52	57.49	65.57	48.49	33.68	29.27	22.30	66.14	78.64	29.77	29.75	26.22
115.	235.85	203.17	83.95	58.21	57.66	51.44	36.95	31.17	22.25	74.73	83.29	29.54	29.85	26.52
120.	238.54	228.63	80.43	59.50	61.40	52.49	36.15	30.90	22.30	75.56	86.33	29.41	29.27	26.92
125.	248.63	218.95	78.48	64.05	69.73	52.29	38.37	33.41	22.27	79.83	92.09	29.88	30.05	27.27
130.	254.37	233.42	82.48	63.83	75.88	58.07	38.73	31.98	22.38	81.57	95.31	30.49	29.98	27.60
135.	254.49	234.44	85.79	64.29	70.27	59.36	36.12	31.98	22.40	78.88	101.54	31.71	31.19	27.80
140.	259.61	239.46	86.09	65.14	66.81	61.79	37.85	32.27	22.55	81.17	104.61	31.27	31.49	28.17
145.	262.37	250.15	111.17	69.63	76.37	58.59	39.27	32.51	22.57	85.49	107.56	32.66	32.51	28.40
150.	265.85	256.00	116.02	71.68	85.24	58.19	38.71	34.12	22.63	89.71	111.95	31.85	31.24	28.88
155.	276.68	257.12	112.22	76.56	91.69	56.95	38.88	33.88	22.55	91.48	113.95	33.10	32.80	29.30
160.	267.71	237.17	116.95	79.33	84.19	58.24	40.78	35.46	22.82	94.98	116.71	34.95	34.71	29.27
165.	277.61	238.15	138.85	78.57	81.36	59.74	41.17	36.44	22.80	102.19	122.41	36.32	35.44	29.93
170.	273.15	229.63	118.73	79.50	86.88	63.52	43.71	36.66	22.77	104.44	124.24	33.66	33.58	30.46
175.	275.05	257.85	125.90	84.90	89.02	60.81	43.54	35.85	22.65	105.85	126.68	33.27	33.39	30.85
180.	278.05	260.34	150.40	87.21	88.38	70.44	45.51	37.41	22.80	110.29	120.34	37.56	34.60	30.95
185.	271.44	261.85	118.80	81.45	75.68	64.07	46.44	37.00	23.05	109.80	134.95	36.98	36.27	31.49
190.	268.27	241.37	134.55	85.74	79.43	63.93	44.24	36.44	22.88	109.85	136.20	37.17	34.32	31.56
195.	269.27	258.88	117.76	78.66	80.45	62.62	42.37	36.95	23.02	104.44	138.77	37.39	38.02	31.71
200.	265.19	242.15	111.44	85.90	78.85	63.93	44.85	36.71	22.92	103.85	139.88	35.51	34.93	31.90
205.	270.29	247.85	113.22	88.12	78.98	64.40	43.32	36.39	22.88	102.58	141.27	36.15	34.54	32.05
210.	280.51	269.63	119.10	87.88	83.48	69.54	45.27	37.58	23.00	106.19	143.55	36.12	34.66	32.10
215.	263.05	249.29	120.29	92.64	77.49	65.67	45.63	37.71	23.17	110.27	144.40	36.34	36.98	32.24
220.	279.19	256.83	121.39	86.93	85.38	66.81	44.85	38.44	23.10	110.68	145.25	38.80	36.98	32.24

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	264.68	243.19	125.73	86.83	76.51	67.74	45.76	38.44	23.15	108.44	145.72	38.85	37.15	32.46
230.	270.88	245.66	120.29	91.07	74.58	66.26	45.61	38.73	23.27	110.80	147.47	41.61	39.46	32.68
235.	270.37	237.73	120.41	90.24	86.33	62.00	43.98	38.27	23.20	107.80	149.50	36.29	36.07	33.07
240.	276.66	249.32	128.85	88.81	90.33	70.24	45.93	38.83	23.42	112.78	149.22	41.71	40.24	33.27
245.	269.95	236.02	136.02	88.62	81.00	65.74	46.54	39.17	23.35	108.71	150.63	40.37	39.49	33.56
250.	254.90	235.66	134.40	89.64	86.05	65.24	46.93	40.02	23.52	107.17	151.57	37.85	38.61	34.00
255.	269.10	257.51	164.42	93.12	89.09	66.88	45.76	39.00	23.32	111.73	151.75	38.54	36.61	34.02
260.	247.10	249.88	138.52	97.33	90.36	66.62	47.78	40.56	23.32	113.24	153.05	40.10	38.46	34.10
265.	260.10	242.88	128.02	92.09	83.90	75.49	44.49	38.41	23.27	110.63	154.60	38.05	36.39	34.10
270.	260.32	242.54	119.41	88.09	82.12	71.15	44.17	38.98	23.52	109.80	155.82	40.41	39.05	34.22
275.	269.10	237.24	115.73	85.40	78.85	66.07	52.10	43.66	23.67	109.02	156.32	42.27	40.22	34.58
280.	262.46	244.37	122.24	85.83	80.55	74.68	47.63	40.76	23.35	111.68	158.02	36.76	36.90	34.34
285.	246.73	223.17	125.24	92.88	78.90	73.32	46.85	40.07	23.42	107.41	157.35	37.39	36.63	34.22
290.	253.05	232.56	149.55	93.05	82.26	64.79	47.51	41.17	23.42	110.78	157.97	36.93	37.17	34.41
295.	270.56	241.34	135.72	94.19	96.55	64.26	47.10	41.49	23.63	108.56	157.67	39.22	38.76	34.61
300.	265.78	246.51	134.15	96.12	82.74	72.15	49.19	41.93	23.85	110.56	158.45	41.22	40.54	34.83
305.	254.17	239.24	152.32	96.81	92.64	65.24	45.63	41.00	23.97	113.63	159.30	41.29	40.00	35.37
310.	252.68	229.61	147.95	90.24	89.19	67.29	47.63	41.34	23.95	113.80	159.32	44.34	40.73	35.83
315.	254.71	231.76	139.60	93.62	87.45	73.54	49.95	41.78	24.00	110.17	160.15	42.63	39.27	36.02
320.	251.29	244.93	129.12	96.86	81.29	72.41	49.27	40.63	23.95	109.15	160.32	43.78	41.27	36.10
325.	267.17	246.66	143.05	102.19	86.55	66.81	47.32	41.15	24.07	107.71	161.32	44.17	41.32	36.24
330.	255.95	233.22	168.97	104.41	102.63	67.38	47.15	40.39	24.02	108.73	162.47	45.61	40.93	36.51
335.	247.66	232.29	145.55	108.39	95.52	70.27	47.61	42.10	24.17	110.85	163.13	42.27	41.80	36.93
340.	259.51	246.76	179.50	108.51	90.69	71.32	50.32	44.12	24.17	116.66	163.60	44.34	43.95	37.15
345.	256.32	248.32	170.57	106.05	92.93	74.49	50.95	43.24	24.32	115.49	164.30	43.37	41.49	37.58
350.	249.73	232.37	153.10	111.83	82.31	74.93	49.83	42.46	24.42	116.19	166.15	43.41	41.80	37.88
355.	263.88	241.24	167.72	108.71	86.98	76.44	48.93	42.61	24.20	117.58	166.10	40.32	40.27	37.93
360.	260.95	249.71	170.82	109.05	86.95	75.85	50.63	43.85	24.38	115.15	167.13	45.98	43.05	37.93
365.	252.29	236.93	155.35	110.32	93.26	76.51	48.93	43.49	24.40	118.29	168.57	42.98	40.24	38.15
370.	266.00	241.19	153.02	114.83	96.07	73.29	49.34	42.00	24.52	116.29	169.47	45.27	43.34	38.24
375.	250.39	236.24	167.47	114.46	89.76	72.71	51.02	42.29	24.75	119.61	169.70	45.27	42.88	38.51
380.	237.44	228.37	168.20	128.85	95.76	79.69	49.46	42.05	24.72	119.22	171.70	46.46	43.71	38.54
385.	254.19	243.00	185.12	136.07	103.73	73.17	47.78	41.95	24.82	116.07	172.07	45.51	43.61	38.85
390.	260.02	237.90	167.92	126.34	101.78	77.00	48.46	43.44	24.85	112.27	173.97	45.58	42.73	39.07
395.	252.66	235.85	171.30	120.02	95.69	72.61	48.85	42.29	25.02	115.78	173.65	45.93	43.24	39.05
400.	264.34	239.34	171.82	121.51	97.02	75.19	50.76	43.10	25.07	119.29	174.55	48.00	45.27	38.90
405.	261.39	243.10	191.95	120.58	101.73	78.88	52.85	43.58	25.10	118.90	175.65	46.39	43.17	39.12
410.	250.66	233.19	196.67	118.88	96.74	78.37	51.68	43.44	25.38	119.00	175.38	47.41	46.22	39.46
415.	256.27	231.30	174.45	122.10	90.69	77.41	52.68	45.51	25.22	122.07	175.77	45.71	45.22	39.95
420.	262.15	246.71	186.13	118.15	96.50	78.12	53.51	44.78	25.15	125.49	176.00	45.17	43.02	39.88
425.	262.05	249.34	163.67	116.68	101.76	76.41	53.68	47.32	25.38	126.68	177.85	45.29	43.90	39.95
430.	251.80	231.50	163.13	123.39	103.83	78.58	52.85	45.15	25.25	123.73	178.17	42.85	42.00	40.12
435.	245.56	230.07	176.80	128.41	104.73	82.43	55.27	44.32	25.30	124.66	178.52	46.66	44.10	39.90
440.	255.71	245.07	176.97	124.17	85.95	75.27	53.17	45.95	25.52	122.93	178.55	46.80	46.66	40.15
445.	255.51	232.29	171.25	119.07	103.78	73.54	52.56	45.10	25.63	122.66	179.13	45.93	45.76	40.41
450.	258.46	239.54	156.77	119.17	96.17	78.14	54.76	46.22	25.63	126.46	179.37	47.27	44.41	40.02
455.	251.98	228.90	163.15	125.44	105.61	78.59	51.39	42.73	25.35	121.78	180.02	43.56	41.83	39.73
460.	256.68	238.34	156.65	129.73	96.59	79.43	52.56	44.56	25.55	119.00	180.75	43.05	42.83	39.54
465.	252.95	241.05	149.75	118.49	92.69	76.78	53.15	45.66	25.70	122.34	180.75	47.54	44.54	39.49
470.	242.29	229.80	152.60	122.95	100.73	77.78	51.05	44.90	25.80	120.17	180.55	44.19	42.61	39.70

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	256.02	236.07	159.17	123.22	92.19	75.85	55.51	46.08	25.85	124.71	180.25	46.44	44.80	39.98
480.	252.98	229.12	159.25	122.07	93.59	75.34	52.51	45.78	26.10	125.41	180.85	47.00	45.02	40.61
485.	249.10	232.49	153.20	123.32	107.27	76.24	51.27	45.22	25.85	120.56	181.05	45.51	43.73	40.51
490.	246.29	232.63	171.27	127.93	101.80	78.24	56.51	46.34	26.05	124.37	181.05	48.02	47.73	40.32
495.	243.39	232.57	174.45	129.39	94.29	74.66	55.44	46.34	26.00	125.44	181.05	46.66	44.68	40.63
500.	252.68	233.19	164.95	122.88	85.64	74.32	52.02	44.95	26.25	120.08	180.17	46.63	43.41	41.12
505.	238.41	226.75	172.40	129.24	95.76	75.63	53.07	44.41	26.32	121.88	180.20	46.83	45.76	41.27
510.	242.68	226.17	177.88	125.58	100.12	76.22	51.39	44.73	26.27	116.98	179.70	44.90	44.71	40.93
515.	242.76	228.68	175.80	123.54	90.19	76.22	50.00	45.07	26.13	114.37	180.25	47.02	43.71	40.24
520.	240.46	227.05	174.32	124.85	89.59	76.10	53.10	44.61	26.35	112.19	179.42	44.24	42.66	40.15
525.	249.17	223.65	166.07	119.46	90.45	78.00	50.24	45.27	26.38	113.34	179.50	47.61	46.41	40.15
530.	239.93	229.70	154.15	119.66	104.02	73.56	52.46	48.54	26.55	118.73	177.90	52.63	49.27	40.56
535.	238.39	223.17	150.52	112.32	101.73	75.34	56.29	46.44	26.47	122.34	178.13	46.73	42.37	40.98
540.	252.54	243.88	162.57	111.37	93.62	77.58	56.68	45.61	26.38	123.71	177.60	44.10	42.37	40.76
545.	251.32	244.19	164.72	104.66	80.31	78.19	56.93	47.68	26.72	119.24	176.57	47.54	45.80	40.63
550.	237.63	231.52	151.52	118.71	91.86	81.79	54.76	46.51	26.50	118.29	176.40	47.15	43.39	40.39
555.	229.15	220.85	142.75	118.93	89.80	77.67	56.63	46.90	26.92	117.80	176.22	52.24	49.73	40.34
560.	236.49	214.15	144.85	116.12	78.57	76.34	54.32	45.90	26.70	116.71	175.22	43.24	41.32	40.49
565.	231.60	203.15	138.55	113.95	91.69	74.00	54.44	45.73	26.75	113.98	174.65	45.73	42.83	40.07
570.	229.00	220.85	135.52	111.98	86.57	74.39	53.76	47.15	27.00	112.39	173.75	44.71	42.76	39.85
575.	222.25	207.54	142.10	115.78	90.31	73.10	54.29	46.07	26.90	115.78	172.97	41.76	41.54	39.98
580.	218.37	213.57	138.02	116.95	94.98	67.36	52.73	43.95	27.27	116.56	172.25	49.50	43.68	39.93
585.	227.22	216.32	163.17	116.41	95.74	67.02	53.90	45.07	27.45	116.76	171.65	46.37	44.88	40.32
590.	220.47	214.55	162.02	120.80	95.98	74.34	51.95	45.02	27.30	117.05	171.67	47.44	45.58	40.78
595.	228.80	217.05	162.80	119.10	96.83	75.83	53.58	48.17	27.30	114.90	171.15	45.19	43.80	40.80
600.	229.07	216.63	154.70	120.51	88.71	77.93	52.56	46.93	27.35	113.56	170.87	49.19	44.73	40.80
605.	219.47	205.27	145.92	117.54	95.55	67.21	51.39	45.44	27.47	110.90	169.62	49.17	45.80	40.83
610.	217.38	200.24	154.50	122.76	83.33	74.12	53.02	45.61	27.38	115.73	169.45	46.88	42.63	41.07
615.	220.52	202.24	153.52	121.12	89.52	73.24	48.10	43.10	27.63	110.98	169.25	46.00	43.85	41.05
620.	217.92	202.88	162.27	116.85	83.74	67.67	51.34	44.90	27.70	110.37	168.50	46.80	44.80	41.07
625.	206.39	202.37	170.97	117.22	86.40	73.68	52.98	45.44	27.42	110.34	167.75	42.29	41.19	40.93
630.	220.05	206.68	153.82	121.44	83.00	78.29	53.17	44.02	27.55	109.15	167.55	43.88	41.68	40.66
635.	216.02	205.02	139.07	112.05	83.26	66.64	49.51	46.17	27.80	107.88	166.57	46.80	45.78	40.49
640.	217.97	204.54	154.20	114.15	83.36	67.49	49.73	44.49	28.00	107.46	165.77	45.49	43.78	41.24
645.	199.98	189.32	150.22	112.12	86.62	71.19	49.44	44.78	27.82	106.95	164.97	46.17	43.85	41.02
650.	200.97	192.15	155.95	109.73	84.67	70.49	52.98	45.68	28.05	110.73	164.10	45.80	45.93	41.10
655.	192.47	184.20	160.92	112.27	79.86	64.02	48.51	45.63	28.07	106.19	163.72	48.98	41.07	40.90
660.	197.10	188.15	152.25	110.76	82.90	73.85	51.98	44.41	27.97	105.63	162.52	41.90	41.12	40.78
665.	199.05	198.02	152.70	115.10	81.29	75.12	52.32	44.02	28.05	101.02	161.72	42.39	41.17	40.41
670.	195.70	189.62	159.90	138.10	93.67	72.37	55.93	49.49	28.27	106.78	160.97	45.22	45.73	40.32
675.	203.20	197.70	163.32	120.71	101.54	76.37	57.10	51.68	28.70	105.12	160.40	47.85	49.15	41.82
680.	200.49	199.63	168.32	117.90	89.38	76.83	59.88	52.02	28.47	106.22	159.62	46.93	44.61	41.63
685.	198.88	196.72	151.15	123.61	92.90	78.45	59.12	54.37	28.92	106.05	159.20	52.66	53.54	42.24
690.	196.35	191.90	154.22	117.02	81.38	78.41	62.00	55.73	28.85	104.27	158.30	53.19	51.46	42.41
695.	192.70	193.05	162.67	109.27	84.62	74.02	59.05	55.63	29.05	102.22	157.47	49.34	49.93	43.00
700.	192.72	185.07	148.92	108.17	86.88	76.20	57.71	49.76	28.55	97.12	156.77	44.07	43.80	42.85
705.	190.42	183.82	144.72	113.24	79.59	71.78	55.76	50.45	28.72	96.05	155.95	55.19	47.15	41.83
710.	186.50	184.55	151.25	120.90	85.79	67.60	55.71	50.05	28.70	96.05	154.67	40.46	40.80	42.05
715.	182.20	182.75	158.60	111.19	77.93	67.24	56.46	51.68	28.80	96.02	153.65	46.07	45.27	41.71
720.	177.42	175.10	140.85	117.61	79.24	67.48	57.34	51.85	28.92	109.61	152.60	45.83	45.37	42.29

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	178.77	176.40	134.05	108.93	80.59	67.86	56.98	54.00	29.00	94.09	151.90	44.19	45.76	42.44
730.	172.38	165.25	139.65	97.07	72.83	73.37	56.88	51.54	28.97	95.40	150.77	43.58	43.85	42.44
735.	169.65	168.72	139.72	109.02	80.55	70.19	57.37	52.71	29.10	96.43	149.67	46.63	45.29	42.07
740.	168.37	164.55	124.15	103.83	86.33	64.36	56.12	49.51	28.88	95.43	148.75	40.90	43.34	41.88
745.	165.52	154.52	134.57	115.32	86.09	63.79	56.27	51.00	29.10	93.09	147.90	44.95	43.88	42.15
750.	158.65	154.02	123.44	112.78	80.26	70.49	55.34	47.88	29.27	91.17	146.90	46.85	45.46	41.95
755.	152.38	157.57	126.46	114.93	89.89	71.24	55.90	48.05	29.38	87.93	145.77	45.58	44.46	42.22
760.	155.05	155.75	133.82	113.34	82.29	63.71	53.93	49.93	29.47	88.88	144.82	43.22	43.17	42.00
765.	153.97	151.80	127.22	100.15	70.24	64.55	53.78	49.44	29.42	88.48	144.12	40.49	43.95	42.17
770.	152.38	151.47	127.34	110.02	79.45	62.74	53.46	47.87	29.60	88.07	143.15	44.90	42.49	42.49
775.	152.70	152.55	125.00	103.63	78.90	67.86	54.12	47.34	29.57	86.38	142.47	47.12	46.07	42.34
780.	150.27	148.63	125.02	110.90	73.58	59.69	50.90	46.76	29.70	85.90	141.80	43.27	42.76	42.07
785.	144.52	145.57	120.05	108.54	82.52	64.57	50.68	44.07	29.27	86.05	140.85	39.46	39.15	41.22
790.	135.92	135.72	122.76	104.44	81.19	65.62	52.93	45.93	29.50	85.02	140.13	42.73	43.34	40.44
795.	134.27	136.02	117.07	104.71	80.64	60.90	49.07	45.22	29.47	84.67	139.40	41.39	42.66	40.00
800.	138.70	136.07	122.41	108.05	79.57	60.02	48.32	43.95	29.55	82.69	138.50	41.19	40.68	39.83
805.	129.10	133.62	128.27	107.02	79.19	64.48	52.54	47.88	29.70	82.62	137.82	43.05	44.07	39.73
810.	130.20	135.80	120.78	105.83	78.26	59.31	50.07	44.68	29.70	80.43	137.25	39.73	38.83	39.44
815.	129.54	138.47	111.78	103.22	81.05	64.12	59.34	44.80	29.67	80.67	136.55	39.46	40.00	38.93
820.	125.93	125.88	114.19	100.19	83.83	61.69	49.61	43.44	29.55	78.90	135.82	37.85	37.78	38.39
825.	120.56	121.90	115.54	102.10	75.49	58.24	46.73	42.90	29.67	79.62	135.20	44.19	39.07	37.68
830.	129.34	129.83	109.66	91.26	73.19	60.67	47.71	45.02	29.37	79.55	134.60	45.80	40.63	37.73
835.	128.34	129.32	110.17	90.09	78.27	58.71	47.95	42.22	29.95	79.71	134.07	38.51	38.63	37.66
840.	128.07	128.39	105.95	88.90	72.51	58.73	47.27	41.63	29.77	80.71	133.45	38.61	38.88	37.32
845.	128.12	126.05	97.55	89.12	71.17	59.76	47.73	44.63	29.27	80.74	129.66	41.29	41.02	37.51
850.	125.00	125.61	96.71	93.09	67.86	60.26	47.17	41.61	29.97	79.40	129.22	38.08	39.05	37.39
855.	125.19	120.88	96.48	86.24	66.09	59.93	46.88	42.12	29.46	78.40	128.68	39.78	39.95	37.66
860.	124.34	121.98	100.39	88.62	66.93	61.69	47.10	43.02	29.37	77.90	128.07	41.15	39.15	37.73
865.	122.93	123.05	105.27	91.40	72.63	60.07	46.00	41.39	29.61	78.61	127.58	41.66	39.24	38.10
870.	122.73	120.85	108.05	92.83	77.34	59.83	47.00	42.44	29.49	78.76	127.10	40.83	40.29	37.93
875.	121.71	120.15	105.56	90.33	73.63	57.58	46.68	42.46	29.66	77.51	126.51	40.05	39.49	37.63
880.	117.24	120.29	95.14	88.95	76.34	52.88	46.07	41.29	29.54	76.58	126.10	41.76	38.12	36.98
885.	120.02	117.12	94.69	83.29	71.22	58.63	46.32	41.90	29.58	77.24	125.66	39.39	38.93	36.71
890.	120.58	119.68	94.95	79.95	71.15	56.37	47.58	42.37	29.61	77.24	125.12	36.76	36.73	36.73
895.	119.19	115.95	95.81	79.93	75.19	62.67	46.56	41.83	29.56	76.51	124.76	37.46	37.17	36.19
900.	117.78	117.02	93.52	77.61	71.98	58.59	47.39	42.05	29.95	75.24	124.46	41.27	41.37	36.15
905.	119.63	115.90	95.21	78.14	71.02	57.29	46.44	41.32	29.66	75.32	124.12	37.17	36.46	36.12
910.	114.80	112.12	96.76	81.93	73.34	54.61	45.95	41.66	29.68	76.02	123.78	36.63	36.61	35.90
915.	112.19	111.10	100.27	86.09	69.63	58.19	47.56	43.61	29.83	75.73	123.39	37.93	37.61	35.90

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	22.85	22.82	19.41	6987.47	-0.00	-0.00	-0.00	0.19	0.00	0.00	0.00	0.00	21.00	-0.45
0.	22.85	22.85	29.63	6975.93	0.00	-0.00	-0.00	0.20	0.00	0.00	0.00	0.00	20.99	-0.57
0.	22.90	22.92	40.10	6984.59	-0.00	-0.00	-0.00	0.23	0.00	0.00	0.00	0.00	20.99	0.06
0.	22.88	22.90	50.35	6990.35	-0.00	-0.00	-0.00	0.22	0.00	0.00	0.00	0.00	20.99	-0.49
0.	22.88	22.82	59.61	6993.23	0.00	-0.00	-0.00	0.12	0.00	0.00	0.00	0.00	20.98	2.05
0.	22.82	22.80	69.86	6996.12	-0.00	-0.00	-0.00	0.09	0.00	0.00	0.00	0.00	20.97	-0.61
5.	23.47	23.32	10.14	7016.32	-0.00	0.03	0.02	4.41	0.00	0.00	0.00	0.00	20.74	0.89
10.	23.70	23.63	19.41	7019.20	-0.00	0.03	0.02	0.49	0.00	0.00	0.00	0.00	20.73	0.68
15.	23.75	23.72	29.64	7019.20	0.00	0.04	0.03	0.25	0.00	0.00	0.00	0.00	20.63	0.96
20.	24.67	24.07	40.11	7016.32	0.00	0.05	0.04	0.11	0.00	0.00	0.00	0.00	20.53	0.65
25.	24.20	24.17	50.35	7004.78	0.01	0.06	0.05	-0.13	0.00	0.00	0.00	0.00	20.45	1.85
30.	24.75	24.67	59.63	6984.59	0.01	0.07	0.07	-0.27	0.00	0.00	0.00	0.00	20.37	1.11
35.	25.80	25.30	69.86	6981.70	0.02	0.07	0.08	-0.26	0.00	0.00	0.00	0.00	20.27	2.69
40.	26.60	26.38	10.13	6973.04	0.02	0.04	0.11	1.33	0.00	0.00	0.00	0.00	20.19	2.48
45.	27.45	27.10	19.41	6947.07	0.04	0.05	0.15	1.06	0.00	0.00	0.00	0.00	20.10	2.11
50.	29.65	28.80	29.65	6921.11	0.05	0.13	0.17	0.28	0.00	0.00	0.00	0.00	19.97	3.16
55.	31.12	29.88	40.11	6892.27	0.07	0.15	0.19	-0.30	0.00	0.00	0.00	0.00	19.84	2.52
60.	31.49	30.24	50.36	6863.42	0.08	0.19	0.21	-0.37	0.00	0.00	0.00	0.00	19.69	4.55
65.	32.56	31.83	59.63	6846.10	0.10	0.24	0.28	-0.43	0.00	0.00	0.00	0.00	19.50	4.38
70.	32.63	33.29	69.86	6817.25	0.11	0.26	0.33	-0.41	0.00	0.00	0.00	0.00	19.27	3.23
75.	33.95	33.49	10.13	6785.52	0.13	0.28	0.35	2.24	0.00	0.00	0.00	0.00	19.04	3.84
80.	34.51	33.29	19.40	6765.32	0.14	0.30	0.38	1.72	0.00	0.00	0.00	0.00	18.78	5.68
85.	34.51	34.15	29.63	6716.28	0.17	0.34	0.44	0.34	0.00	0.00	0.00	0.00	18.55	4.65
90.	35.85	35.88	40.11	6661.46	0.20	0.39	0.46	-0.35	0.00	0.00	0.00	0.00	18.33	6.45
95.	39.95	40.17	50.33	6618.19	0.22	0.42	0.57	-0.43	0.00	0.00	0.00	0.00	17.99	6.35
100.	42.32	41.71	59.61	6577.80	0.25	0.46	0.62	-0.56	0.00	0.00	0.00	0.00	17.76	7.54
105.	42.93	42.71	69.86	6514.33	0.27	0.50	0.69	-0.58	0.00	0.00	0.00	0.00	17.51	6.77
110.	44.93	45.17	10.13	6494.14	0.28	0.52	0.73	3.09	0.00	0.00	0.00	0.00	17.22	7.69
115.	41.34	42.29	19.41	6407.59	0.30	0.56	0.74	2.19	0.00	0.00	0.00	0.00	16.96	7.24
120.	47.95	45.27	29.65	6335.46	0.30	0.58	0.75	0.42	0.00	0.00	0.00	0.00	16.76	5.56
125.	46.00	47.22	40.12	6274.88	0.34	0.60	0.83	-0.43	0.00	0.00	0.00	0.00	16.64	9.69
130.	48.61	48.12	50.36	6208.52	0.36	0.62	0.85	-0.52	0.00	0.00	0.00	0.00	16.49	7.70
135.	48.54	49.56	59.63	6121.97	0.37	0.64	0.91	-0.60	0.00	0.00	0.00	0.00	16.50	8.42
140.	48.37	48.39	69.86	6061.38	0.38	0.64	0.87	-0.59	0.00	0.00	0.00	0.00	16.40	9.45
145.	50.71	50.63	10.13	6032.53	0.40	0.65	0.89	3.34	0.00	0.00	0.00	0.00	16.35	8.42
150.	56.05	55.63	19.40	5960.41	0.41	0.67	0.84	2.51	0.00	0.00	0.00	0.00	16.21	10.64
155.	56.95	56.00	29.64	5979.63	0.41	0.67	0.87	0.59	0.00	0.00	0.00	0.00	16.15	7.95
160.	53.44	54.34	40.10	5804.62	0.41	0.68	0.85	-0.42	0.00	0.00	0.00	0.00	15.90	9.89
165.	54.00	53.49	50.34	5718.07	0.41	0.69	0.90	-0.59	0.00	0.00	0.00	0.00	16.03	9.53
170.	57.39	59.22	59.62	5680.56	0.44	0.71	0.92	-0.65	0.00	0.00	0.00	0.00	16.00	10.77
175.	61.55	63.12	69.86	5611.32	0.46	0.72	0.98	-0.63	0.00	0.00	0.00	0.00	15.91	6.46
180.	58.43	59.38	10.13	5524.77	0.44	0.71	0.92	3.44	0.00	0.00	0.00	0.00	16.09	7.48
185.	51.98	55.68	19.41	5487.27	0.44	0.69	0.95	2.67	0.00	0.00	0.00	0.00	15.98	6.33
190.	56.95	58.66	29.65	5403.60	0.44	0.69	0.91	0.42	0.00	0.00	0.00	0.00	16.00	6.46
195.	58.32	58.33	40.12	5343.02	0.44	0.67	0.86	-0.45	0.00	0.00	0.00	0.00	16.17	8.76
200.	59.83	59.95	50.35	5282.43	0.45	0.68	0.91	-0.55	0.00	0.00	0.00	0.00	16.27	10.26
205.	59.67	60.86	59.63	5216.08	0.44	0.68	0.92	-0.70	0.00	0.00	0.00	0.00	16.30	8.60
210.	57.39	58.98	69.86	5146.84	0.44	0.66	0.87	-0.64	0.00	0.00	0.00	0.00	16.36	7.35
215.	54.12	58.68	10.13	5071.83	0.45	0.66	0.90	3.40	0.00	0.00	0.00	0.00	16.39	8.24
220.	58.86	58.05	19.41	5031.44	0.45	0.66	0.89	2.63	0.00	0.00	0.00	0.00	16.42	7.91

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	56.71	58.19	29.64	4939.12	0.45	0.65	0.81	0.51	0.00	0.00	0.00	0.00	16.45	9.39
230.	59.07	58.79	40.10	4904.50	0.44	0.65	0.83	-0.51	0.00	0.00	0.00	0.00	16.31	7.50
235.	60.36	66.33	50.35	4826.60	0.44	0.64	0.81	-0.63	0.00	0.00	0.00	0.00	16.43	7.41
240.	58.24	61.40	59.63	4783.32	0.44	0.64	0.84	-0.75	0.00	0.00	0.00	0.00	16.46	8.04
245.	59.57	59.19	69.86	4722.74	0.43	0.62	0.78	-0.68	0.00	0.00	0.00	0.00	16.47	7.84
250.	61.90	60.62	10.13	4673.70	0.43	0.61	0.84	3.31	0.00	0.00	0.00	0.00	16.61	7.77
255.	60.50	60.17	19.41	4613.11	0.44	0.61	0.80	2.63	0.00	0.00	0.00	0.00	16.70	8.38
260.	64.17	61.33	29.65	4526.56	0.45	0.62	0.83	0.44	0.00	0.00	0.00	0.00	16.77	6.99
265.	58.95	58.21	40.11	4474.64	0.45	0.62	0.83	-0.46	0.00	0.00	0.00	0.00	16.77	6.18
270.	59.71	59.31	50.35	4416.93	0.44	0.61	0.80	-0.57	0.00	0.00	0.00	0.00	16.83	9.81
275.	59.24	59.10	59.62	4370.77	0.44	0.61	0.83	-0.74	0.00	0.00	0.00	0.00	16.79	7.14
280.	60.07	60.98	69.87	4313.07	0.43	0.59	0.72	-0.71	0.00	0.00	0.00	0.00	16.62	6.81
285.	64.02	61.83	10.14	4261.14	0.43	0.58	0.78	3.31	0.00	0.00	0.00	0.00	16.76	7.79
290.	61.31	63.02	19.41	4186.14	0.44	0.57	0.79	2.59	0.00	0.00	0.00	0.00	16.85	9.16
295.	66.62	67.07	29.65	4148.63	0.43	0.58	0.78	0.78	0.00	0.00	0.00	0.00	16.91	7.70
300.	58.07	59.71	40.12	4082.27	0.43	0.58	0.78	-0.52	0.00	0.00	0.00	0.00	16.90	8.68
305.	62.93	61.55	50.36	4030.35	0.45	0.58	0.78	-0.67	0.00	0.00	0.00	0.00	16.91	7.52
310.	59.24	61.88	59.63	3987.07	0.44	0.57	0.77	-0.74	0.00	0.00	0.00	0.00	16.93	6.95
315.	55.39	58.90	69.87	3912.06	0.45	0.58	0.81	-0.74	0.00	0.00	0.00	0.00	16.95	6.76
320.	57.90	60.07	10.13	3863.01	0.44	0.57	0.73	3.33	0.00	0.00	0.00	0.00	17.04	6.64
325.	62.02	66.12	19.41	3813.97	0.44	0.55	0.76	2.53	0.00	0.00	0.00	0.00	16.91	7.41
330.	72.12	71.51	29.64	3756.27	0.44	0.55	0.70	0.54	0.00	0.00	0.00	0.00	16.97	8.08
335.	75.27	74.83	40.10	3710.11	0.44	0.56	0.76	-0.54	0.00	0.00	0.00	0.00	17.05	7.12
340.	67.02	70.07	50.34	3649.53	0.45	0.56	0.78	-0.64	0.00	0.00	0.00	0.00	17.01	7.05
345.	60.62	64.55	59.62	3612.02	0.46	0.55	0.73	-0.78	0.00	0.00	0.00	0.00	16.90	9.53
350.	58.95	61.98	69.86	3539.90	0.46	0.57	0.82	-0.78	0.00	0.00	0.00	0.00	17.00	7.49
355.	64.21	63.43	10.13	3493.74	0.47	0.57	0.83	3.38	0.00	0.00	0.00	0.00	17.01	6.29
360.	63.40	65.17	19.41	3421.61	0.47	0.56	0.79	2.66	0.00	0.00	0.00	0.00	16.98	8.18
365.	66.36	70.12	29.65	3372.57	0.46	0.56	0.82	0.58	0.00	0.00	0.00	0.00	16.99	7.44
370.	78.34	72.83	40.12	3332.18	0.46	0.57	0.76	-0.53	0.00	0.00	0.00	0.00	17.07	6.43
375.	66.95	66.50	50.36	3268.71	0.46	0.55	0.78	-0.67	0.00	0.00	0.00	0.00	17.09	6.86
380.	72.34	75.05	59.63	3199.47	0.47	0.56	0.81	-0.84	0.00	0.00	0.00	0.00	17.01	6.76
385.	73.49	78.17	69.88	3156.19	0.47	0.56	0.78	-0.82	0.00	0.00	0.00	0.00	17.01	8.87
390.	78.66	75.02	10.14	3110.03	0.47	0.55	0.78	3.42	0.00	0.00	0.00	0.00	17.00	9.53
395.	82.62	76.15	19.42	3049.45	0.47	0.56	0.79	2.63	0.00	0.00	0.00	0.00	17.04	5.93
400.	71.29	76.68	29.66	3014.82	0.47	0.57	0.80	0.67	0.00	0.00	0.00	0.00	17.03	6.50
405.	67.33	79.43	40.12	2942.70	0.48	0.57	0.79	-0.65	0.00	0.00	0.00	0.00	17.01	7.69
410.	67.02	70.44	50.36	2893.66	0.47	0.56	0.78	-0.73	0.00	0.00	0.00	0.00	17.04	7.30
415.	79.29	71.90	59.63	2847.50	0.47	0.54	0.77	-0.06	0.00	0.00	0.00	0.00	17.02	6.97
420.	74.98	74.68	69.87	2798.45	0.48	0.55	0.79	-0.80	0.00	0.00	0.00	0.00	17.09	7.28
425.	73.85	71.68	10.14	2749.40	0.47	0.55	0.76	3.30	0.00	0.00	0.00	0.00	17.13	7.41
430.	92.95	84.81	19.41	2709.01	0.48	0.55	0.76	2.70	0.00	0.00	0.00	0.00	17.12	6.75
435.	77.07	79.17	29.65	2642.66	0.48	0.55	0.77	0.90	0.00	0.00	0.00	0.00	16.99	7.73
440.	69.95	69.90	40.11	2599.38	0.47	0.55	0.78	-0.48	0.00	0.00	0.00	0.00	17.06	6.88
445.	78.19	77.81	50.35	2550.34	0.47	0.55	0.76	-0.74	0.00	0.00	0.00	0.00	17.06	8.22
450.	72.51	75.41	59.63	2518.60	0.48	0.54	0.71	-0.76	0.00	0.00	0.00	0.00	16.99	8.34
455.	79.05	85.31	69.87	2469.56	0.47	0.55	0.75	-0.76	0.00	0.00	0.00	0.00	17.14	7.73
460.	70.85	78.66	10.14	2423.40	0.48	0.54	0.78	3.36	0.00	0.00	0.00	0.00	17.19	7.48
465.	70.15	76.10	19.42	2362.82	0.47	0.54	0.75	2.68	0.00	0.00	0.00	0.00	17.20	8.11
470.	81.67	81.24	29.65	2325.31	0.47	0.54	0.73	0.44	0.00	0.00	0.00	0.00	17.20	7.99

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	65.74	75.27	40.11	2279.15	0.46	0.54	0.68	-0.49	0.00	0.00	0.00	0.00	17.22	8.45
480.	84.24	78.90	50.36	2235.88	0.46	0.54	0.70	-0.72	0.00	0.00	0.00	0.00	17.16	7.09
485.	100.88	90.31	59.63	2192.60	0.46	0.53	0.69	-0.82	0.00	0.00	0.00	0.00	17.23	7.78
490.	79.24	77.83	69.87	2140.67	0.46	0.53	0.71	-0.83	0.00	0.00	0.00	0.00	17.18	7.70
495.	74.24	79.29	10.14	2108.93	0.45	0.53	0.72	3.32	0.00	0.00	0.00	0.00	17.29	8.37
500.	73.24	71.46	19.43	2059.89	0.44	0.52	0.67	2.63	0.00	0.00	0.00	0.00	17.20	7.86
505.	79.07	76.39	29.66	2019.50	0.44	0.51	0.67	-0.84	0.00	0.00	0.00	0.00	17.47	7.49
510.	75.93	77.71	40.13	1976.23	0.44	0.51	0.68	-0.57	0.00	0.00	0.00	0.00	17.47	6.11
515.	80.98	78.17	50.37	1930.07	0.43	0.51	0.67	-0.72	0.00	0.00	0.00	0.00	17.52	7.14
520.	72.85	73.83	59.64	1889.68	0.43	0.50	0.67	-0.89	0.00	0.00	0.00	0.00	17.49	6.79
525.	75.17	75.51	69.89	1857.94	0.43	0.48	0.63	-0.75	0.00	0.00	0.00	0.00	17.55	6.71
530.	80.40	80.88	10.15	1823.32	0.43	0.49	0.64	3.17	0.00	0.00	0.00	0.00	17.62	6.23
535.	73.76	77.19	19.43	1806.01	0.42	0.49	0.66	2.56	0.00	0.00	0.00	0.00	17.59	7.14
540.	67.40	72.61	29.66	1765.62	0.41	0.48	0.63	0.89	0.00	0.00	0.00	0.00	17.63	6.03
545.	58.98	63.59	40.13	1716.59	0.41	0.47	0.61	-0.58	0.00	0.00	0.00	0.00	17.67	6.74
550.	78.50	78.57	50.37	1699.26	0.40	0.47	0.62	-0.69	0.00	0.00	0.00	0.00	17.72	6.00
555.	72.63	75.78	59.64	1655.99	0.40	0.47	0.62	-0.78	0.00	0.00	0.00	0.00	17.81	7.48
560.	69.88	67.81	69.88	1630.03	0.39	0.47	0.59	-0.78	0.00	0.00	0.00	0.00	17.89	6.39
565.	73.66	76.05	10.15	1604.06	0.39	0.46	0.60	3.14	0.00	0.00	0.00	0.00	17.92	5.81
570.	70.07	75.00	19.42	1566.56	0.39	0.44	0.56	2.40	0.00	0.00	0.00	0.00	17.89	6.82
575.	84.50	78.64	29.65	1537.70	0.38	0.44	0.55	0.96	0.00	0.00	0.00	0.00	17.95	6.81
580.	85.64	81.74	40.13	1511.74	0.38	0.43	0.53	-0.55	0.00	0.00	0.00	0.00	18.03	6.21
585.	66.62	78.12	50.36	1477.12	0.37	0.43	0.51	-0.78	0.00	0.00	0.00	0.00	18.06	6.45
590.	72.98	79.93	59.64	1448.27	0.37	0.43	0.52	-0.82	0.00	0.00	0.00	0.00	17.97	6.14
595.	90.19	83.98	69.87	1428.07	0.37	0.42	0.54	-0.75	0.00	0.00	0.00	0.00	18.08	6.32
600.	67.31	70.54	10.15	1399.23	0.37	0.42	0.51	3.01	0.00	0.00	0.00	0.00	18.07	8.01
605.	75.19	78.93	19.42	1364.61	0.36	0.41	0.52	2.37	0.00	0.00	0.00	0.00	18.12	6.09
610.	61.29	63.93	29.66	1332.87	0.36	0.41	0.52	0.60	0.00	0.00	0.00	0.00	18.18	6.86
615.	71.54	71.71	40.13	1321.33	0.36	0.41	0.50	-0.61	0.00	0.00	0.00	0.00	18.12	6.10
620.	73.05	70.02	50.37	1292.48	0.36	0.40	0.49	-0.74	0.00	0.00	0.00	0.00	18.23	6.18
625.	69.93	70.07	59.64	1272.28	0.35	0.40	0.49	-0.80	0.00	0.00	0.00	0.00	18.26	5.50
630.	59.52	63.21	69.88	1237.66	0.35	0.40	0.50	-0.82	0.00	0.00	0.00	0.00	18.27	6.54
635.	73.22	72.93	10.15	1205.93	0.34	0.39	0.45	2.93	0.00	0.00	0.00	0.00	18.29	6.19
640.	66.88	64.48	19.43	1200.16	0.34	0.38	0.46	2.33	0.00	0.00	0.00	0.00	18.31	6.56
645.	66.76	70.19	29.66	1159.77	0.34	0.38	0.45	0.52	0.00	0.00	0.00	0.00	18.36	6.10
650.	66.45	66.95	40.12	1093.42	0.33	0.37	0.42	-0.55	0.00	0.00	0.00	0.00	18.43	5.89
655.	63.59	67.02	50.36	1119.38	0.32	0.37	0.47	-0.68	0.00	0.00	0.00	0.00	18.46	5.37
660.	62.83	65.55	59.64	386.59	0.30	0.36	0.45	-0.77	0.00	0.00	0.00	0.00	18.45	5.11
665.	78.93	66.59	69.88	1003.99	0.26	0.35	0.40	-0.73	0.00	0.00	0.00	0.00	18.48	6.03
670.	90.38	85.00	10.14	995.33	0.27	0.35	0.46	2.83	0.00	0.00	0.00	0.00	18.54	5.24
675.	91.26	93.14	19.42	969.36	0.28	0.36	0.47	2.28	0.00	0.00	0.00	0.00	18.54	5.13
680.	83.09	83.24	29.64	954.94	0.27	0.35	0.44	1.06	0.00	0.00	0.00	0.00	18.60	5.20
685.	82.50	83.40	40.11	926.08	0.27	0.34	0.45	-0.48	0.00	0.00	0.00	0.00	18.67	4.63
690.	69.63	74.61	50.35	923.20	0.25	0.34	0.43	-0.70	0.00	0.00	0.00	0.00	18.74	4.90
695.	75.24	79.19	59.63	923.20	0.25	0.33	0.42	-0.82	0.00	0.00	0.00	0.00	18.78	5.64
700.	75.15	77.19	69.87	871.27	0.24	0.33	0.42	-0.78	0.00	0.00	0.00	0.00	18.79	5.27
705.	78.83	74.95	10.13	842.42	0.24	0.32	0.38	2.72	0.00	0.00	0.00	0.00	18.81	5.51
710.	83.02	82.38	19.41	842.42	0.23	0.31	0.37	2.78	0.00	0.00	0.00	0.00	18.85	4.15
715.	76.93	71.37	29.65	819.34	0.23	0.30	0.37	0.66	0.00	0.00	0.00	0.00	18.88	4.80
720.	82.79	74.34	40.11	810.68	0.23	0.30	0.36	-0.53	0.00	0.00	0.00	0.00	18.92	4.93

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	75.49	69.95	50.35	787.60	0.22	0.29	0.35	-0.69	0.00	0.00	0.00	0.00	18.93	4.74
730.	57.86	63.38	59.63	735.67	0.22	0.28	0.34	-0.79	0.00	0.00	0.00	0.00	18.96	4.38
735.	84.62	78.39	69.87	738.56	0.22	0.27	0.32	-0.78	0.00	0.00	0.00	0.00	19.00	4.19
740.	84.14	80.62	10.14	727.02	0.21	0.26	0.32	2.48	0.00	0.00	0.00	0.00	19.04	4.67
745.	79.90	79.05	19.41	706.82	0.20	0.26	0.32	2.00	0.00	0.00	0.00	0.00	19.07	4.01
750.	71.34	74.12	29.65	675.09	0.20	0.26	0.30	0.66	0.00	0.00	0.00	0.00	19.09	3.57
755.	78.05	81.98	40.12	675.09	0.20	0.25	0.30	-0.52	0.00	0.00	0.00	0.00	19.12	4.40
760.	67.21	75.24	50.35	669.32	0.19	0.24	0.30	-0.64	0.00	0.00	0.00	0.00	19.05	3.63
765.	60.33	60.93	59.63	654.90	0.20	0.24	0.30	-0.80	0.00	0.00	0.00	0.00	19.10	4.64
770.	70.05	74.78	69.87	649.13	0.19	0.24	0.29	-0.72	0.00	0.00	0.00	0.00	19.13	4.35
775.	70.29	71.07	10.13	715.48	0.18	0.23	0.28	2.41	0.00	0.00	0.00	0.00	19.25	4.11
780.	79.50	70.85	19.41	620.27	0.18	0.23	0.29	1.80	0.00	0.00	0.00	0.00	19.29	3.70
785.	84.07	78.62	29.66	626.04	0.18	0.22	0.28	0.75	0.00	0.00	0.00	0.00	19.27	4.06
790.	81.93	78.32	40.12	597.19	0.18	0.22	0.28	-0.49	0.00	0.00	0.00	0.00	19.28	3.69
795.	71.85	75.34	50.36	594.31	0.18	0.21	0.27	-0.66	0.00	0.00	0.00	0.00	19.31	3.38
800.	77.56	74.56	59.63	588.54	0.18	0.21	0.26	-0.77	0.00	0.00	0.00	0.00	19.33	3.35
805.	77.19	73.93	69.87	568.35	0.18	0.21	0.26	-0.70	0.00	0.00	0.00	0.00	19.34	3.72
810.	76.58	73.41	10.14	568.35	0.17	0.21	0.29	2.25	0.00	0.00	0.00	0.00	19.36	3.29
815.	77.69	75.00	19.41	568.35	0.17	0.20	0.26	1.80	0.00	0.00	0.00	0.00	19.41	3.42
820.	80.86	78.36	29.66	553.92	0.17	0.20	0.27	0.24	0.00	0.00	0.00	0.00	19.30	3.42
825.	59.95	67.07	40.13	542.38	0.16	0.20	0.25	-0.46	0.00	0.00	0.00	0.00	19.41	3.58
830.	61.00	64.55	50.36	533.73	0.16	0.19	0.24	-0.56	0.00	0.00	0.00	0.00	19.43	3.38
835.	60.52	70.46	59.63	516.41	0.16	0.20	0.24	-0.74	0.00	0.00	0.00	0.00	19.43	3.66
840.	62.76	64.45	69.87	510.64	0.15	0.19	0.25	-0.68	0.00	0.00	0.00	0.00	19.44	3.39
845.	58.61	61.24	10.14	513.53	0.16	0.19	0.24	2.15	0.00	0.00	0.00	0.00	19.43	3.21
850.	58.14	63.64	19.42	504.88	0.16	0.19	0.24	1.73	0.00	0.00	0.00	0.00	19.44	3.46
855.	57.10	59.24	29.65	493.34	0.15	0.19	0.23	0.56	0.00	0.00	0.00	0.00	19.45	3.77
860.	55.58	61.74	40.12	490.45	0.16	0.19	0.25	-0.46	0.00	0.00	0.00	0.00	19.46	3.08
865.	60.93	64.62	50.36	484.68	0.15	0.18	0.23	-0.64	0.00	0.00	0.00	0.00	19.46	2.84
870.	65.29	67.21	59.63	467.37	0.16	0.18	0.25	-0.73	0.00	0.00	0.00	0.00	19.44	3.23
875.	65.76	66.55	69.87	467.37	0.15	0.18	0.26	-0.64	0.00	0.00	0.00	0.00	19.46	3.03
880.	71.73	72.61	10.13	461.60	0.15	0.18	0.24	2.07	0.00	0.00	0.00	0.00	19.48	2.69
885.	58.56	60.88	19.41	450.06	0.15	0.18	0.23	1.65	0.00	0.00	0.00	0.00	19.48	2.96
890.	63.76	64.19	29.65	441.40	0.15	0.18	0.25	0.62	0.00	0.00	0.00	0.00	19.50	3.47
895.	61.33	61.76	40.11	429.86	0.14	0.18	0.23	-0.49	0.00	0.00	0.00	0.00	19.50	3.25
900.	58.15	60.33	50.35	447.18	0.14	0.18	0.22	-0.64	0.00	0.00	0.00	0.00	19.51	3.19
905.	65.48	62.86	59.64	398.13	0.14	0.18	0.31	-0.74	0.00	0.00	0.00	0.00	19.53	3.15
910.	70.27	67.09	69.87	392.36	0.14	0.18	0.33	-0.64	0.00	0.00	0.00	0.00	19.53	2.91
915.	59.02	59.57	10.14	389.48	0.13	0.18	0.32	2.01	0.00	0.00	0.00	0.00	19.53	2.62

PRC9-W-2-1/2

TIME	42	43	44	45	46	47	48
0.	0.10	0.62	-0.14	-0.75	0.55	0.00	0.00
0.	0.13	0.32	-0.20	-0.24	0.26	0.00	0.00
0.	0.41	0.06	-0.35	-0.46	0.39	0.00	0.00
0.	0.05	0.11	0.09	0.62	-1.09	0.00	0.00
0.	-1.12	-1.74	1.25	1.10	-0.60	0.00	0.00
0.	0.42	0.63	-0.66	-0.27	0.49	0.00	0.00
5.	0.62	0.66	-0.61	-0.46	0.06	0.00	5.00
10.	0.55	0.82	-0.60	-0.86	0.46	0.00	10.00
15.	0.09	1.07	-0.17	-0.79	0.50	0.00	15.00
20.	0.95	0.68	-0.30	-0.75	0.30	0.01	20.00
25.	0.79	0.33	0.59	-1.39	-0.20	0.02	25.00
30.	1.53	1.28	-1.46	0.01	0.66	0.03	30.00
35.	1.80	0.35	-0.34	-0.79	0.10	0.05	35.00
40.	1.44	1.22	-1.51	0.76	-0.87	0.08	40.00
45.	3.57	-1.13	0.17	-0.07	-0.03	0.12	45.00
50.	5.14	1.10	-0.85	-0.85	0.58	0.18	50.00
55.	1.49	1.65	0.64	-1.69	0.06	0.24	55.00
60.	1.44	1.37	-0.77	-0.26	-0.07	0.37	60.00
65.	2.78	1.61	-0.68	-0.41	-0.39	0.49	65.00
70.	2.20	1.65	0.46	-0.51	-1.36	0.68	70.00
75.	3.73	1.31	-0.46	0.24	-0.89	0.93	75.00
80.	3.46	2.90	-0.86	-1.56	1.32	1.19	80.00
85.	5.22	2.67	-2.64	-3.38	-0.42	1.39	85.00
90.	3.05	0.16	0.31	0.79	-0.51	1.57	90.00
95.	3.51	3.67	-1.22	0.15	1.46	1.88	95.00
100.	3.19	0.67	-0.63	-0.25	-0.25	2.27	100.00
105.	5.15	1.34	-1.47	-0.83	2.71	2.54	105.00
110.	4.22	0.45	1.40	-1.03	1.77	2.81	110.00
115.	3.63	4.32	-1.38	-1.86	-0.76	3.05	115.00
120.	4.31	4.54	-1.86	-1.39	0.59	3.30	120.00
125.	3.46	3.85	-1.35	-2.28	-0.16	3.33	125.00
130.	3.17	2.99	-0.42	0.25	-2.13	3.48	130.00
135.	5.67	-0.71	0.87	-0.05	-1.63	3.35	135.00
140.	3.14	2.74	0.58	-1.91	0.13	3.55	140.00
145.	5.64	3.51	-1.36	-2.07	0.20	3.55	145.00
150.	5.37	1.29	0.55	-0.04	-0.12	3.92	150.00
155.	4.13	4.54	-2.69	-1.53	1.46	3.81	155.00
160.	6.25	0.96	-0.05	-0.66	-1.48	3.93	160.00
165.	5.16	0.68	0.04	0.90	-1.42	4.10	165.00
170.	5.40	1.97	-1.15	2.08	-1.77	4.02	170.00
175.	6.31	2.85	-1.03	-2.55	-0.31	3.98	175.00
180.	2.13	3.37	1.74	-2.07	0.56	3.87	180.00
185.	5.83	2.38	-1.35	-0.69	-0.89	4.02	185.00
190.	3.83	3.08	0.38	-0.80	-1.39	3.92	190.00
195.	5.37	0.25	0.56	1.55	-1.50	3.72	195.00
200.	5.84	0.72	1.29	-0.33	-2.96	3.63	200.00
205.	2.32	3.18	1.04	-2.39	1.06	3.57	205.00
210.	3.26	3.51	0.51	-2.26	0.49	3.52	210.00
215.	5.34	2.75	-0.36	-0.86	1.01	3.59	215.00
220.	3.68	2.99	0.08	-0.56	-0.65	3.11	220.00

TIME	42	43	44	45	46	47	48
225.	4.58	4.11	-2.08	-0.94	0.65	3.45	225.00
230.	4.85	2.09	1.14	-1.43	-0.60	3.57	230.00
235.	3.30	3.17	-1.44	-2.45	0.94	3.42	235.00
240.	4.49	3.70	-1.25	-2.22	0.85	3.36	240.00
245.	4.73	1.35	0.31	-2.17	-2.58	3.30	245.00
250.	4.45	2.78	-0.14	-0.52	-0.80	3.23	250.00
255.	4.25	2.90	-1.37	-0.04	-1.25	3.08	255.00
260.	5.19	2.68	0.10	-2.05	0.49	3.18	260.00
265.	4.48	2.92	-0.88	-0.56	-0.58	3.07	265.00
270.	4.87	4.19	-0.07	-2.23	1.10	3.00	270.00
275.	5.69	1.58	-0.38	-1.21	-0.81	3.19	275.00
280.	4.32	2.24	-1.29	-0.05	-0.29	3.10	280.00
285.	3.87	3.27	-1.18	-1.13	-0.73	3.05	285.00
290.	3.72	2.52	-0.13	-1.41	0.11	3.01	290.00
295.	5.36	1.78	0.58	-0.37	-1.99	2.91	295.00
300.	5.54	1.08	-0.11	-0.30	-0.34	3.00	300.00
305.	4.33	2.52	-0.32	-1.00	-0.28	2.94	305.00
310.	4.69	1.63	-0.03	-0.95	0.33	2.90	310.00
315.	5.79	2.05	-0.70	-0.50	0.62	2.88	315.00
320.	5.00	3.06	-0.08	-1.41	-0.60	2.75	320.00
325.	5.24	2.38	-2.19	-0.28	-0.94	2.93	325.00
330.	5.27	1.63	-0.07	-0.90	-0.99	2.86	330.00
335.	5.12	2.94	-2.21	-1.94	0.01	2.64	335.00
340.	4.64	3.72	-2.07	-3.41	0.66	2.91	340.00
345.	5.87	-0.18	0.40	-0.31	0.48	2.93	345.00
350.	4.69	2.51	0.43	-2.28	0.36	2.93	350.00
355.	6.25	1.61	-1.11	-2.29	-0.41	2.85	355.00
360.	5.16	1.53	-0.68	-1.03	0.72	2.89	360.00
365.	5.86	1.45	-0.57	-1.60	-0.44	2.82	365.00
370.	4.62	3.50	-0.80	-2.95	-0.38	2.76	370.00
375.	4.33	2.98	0.00	-2.51	1.43	2.77	375.00
380.	5.02	2.50	-0.26	-1.18	0.46	2.90	380.00
385.	5.43	2.41	-0.35	-1.62	-0.92	2.88	385.00
390.	4.66	1.53	-1.56	-0.95	0.36	2.89	390.00
395.	4.25	2.40	-1.49	-0.25	-0.61	2.84	395.00
400.	6.05	2.61	-0.83	-0.92	-0.07	2.84	400.00
405.	5.15	0.92	-0.33	-0.41	-1.15	2.80	405.00
410.	5.27	3.25	-1.47	-0.76	0.03	2.76	410.00
415.	5.04	2.96	-0.74	-1.50	-1.55	2.82	415.00
420.	5.08	1.18	-0.56	-0.51	-0.63	2.76	420.00
425.	5.38	2.79	-0.77	-2.43	1.95	2.76	425.00
430.	6.72	2.16	-1.59	-0.55	-0.13	2.76	430.00
435.	4.09	1.04	0.25	-0.90	-0.97	2.78	435.00
440.	5.94	2.28	-1.23	0.02	-2.64	2.71	440.00
445.	4.97	1.69	-0.15	-0.71	0.29	2.73	445.00
450.	5.54	0.63	0.81	-0.51	-0.93	2.86	450.00
455.	4.76	2.73	-0.58	-1.84	0.48	2.65	455.00
460.	4.88	1.90	-0.57	-0.99	-0.36	2.70	460.00
465.	5.65	1.13	-0.06	-1.75	0.16	2.70	465.00
470.	4.26	2.30	-0.60	-2.04	1.04	2.63	470.00

TIME	42	43	44	45	46	47	48
475.	5.10	2.34	-1.05	-0.52	-0.65	2.59	475.00
480.	5.81	2.28	-0.80	-0.51	-1.54	2.49	480.00
485.	4.87	2.46	-0.28	-1.56	-0.61	2.65	485.00
490.	5.83	1.04	0.16	-0.36	-1.50	2.55	490.00
495.	5.65	1.33	-0.80	0.36	-1.18	2.59	495.00
500.	4.16	3.54	-1.01	-1.00	0.23	2.43	500.00
505.	6.03	1.28	-0.13	-1.26	0.35	2.22	505.00
510.	5.34	2.33	-0.60	-1.15	-0.10	2.27	510.00
515.	4.89	2.25	-0.20	-1.33	0.07	2.27	515.00
520.	5.06	2.22	-0.29	-1.71	0.48	2.30	520.00
525.	5.38	1.83	-0.70	-1.07	-0.22	2.18	525.00
530.	5.44	1.84	-0.38	-1.06	-0.45	2.16	530.00
535.	4.13	2.65	-0.25	-0.69	-0.90	2.15	535.00
540.	5.30	1.78	-0.11	-1.49	0.11	2.11	540.00
545.	5.65	1.30	0.05	-0.71	-0.09	2.03	545.00
550.	5.03	1.79	-0.60	-0.74	-0.78	2.01	550.00
555.	4.86	2.26	-0.86	-0.47	-0.07	1.86	555.00
560.	4.50	1.96	-0.71	-0.36	-0.06	1.81	560.00
565.	4.68	2.29	-0.49	-1.12	-0.73	1.80	565.00
570.	4.41	1.75	-0.37	-0.70	-0.54	1.88	570.00
575.	4.28	2.05	-0.43	-1.25	-0.36	1.71	575.00
580.	5.08	2.36	-0.74	-0.68	-0.83	1.64	580.00
585.	4.23	2.68	-0.65	-1.18	-0.89	1.66	585.00
590.	5.05	2.18	-0.55	-0.50	-0.74	1.64	590.00
595.	5.21	1.99	-0.96	-0.86	-0.49	1.62	595.00
600.	4.18	2.31	-0.44	-1.11	0.26	1.66	600.00
605.	4.45	2.30	-1.07	-0.59	-0.54	1.55	605.00
610.	4.49	1.61	-0.16	-0.81	-0.70	1.54	610.00
615.	4.60	2.14	-0.21	-1.04	-0.22	1.49	615.00
620.	4.72	1.35	-0.05	-0.51	-1.18	1.47	620.00
625.	5.19	1.82	-0.73	-1.00	-0.16	1.41	625.00
630.	4.43	1.97	-0.53	-1.01	-0.12	1.41	630.00
635.	3.87	2.53	-0.66	-0.86	-0.52	1.42	635.00
640.	4.29	1.94	-0.23	-1.43	-0.22	1.40	640.00
645.	4.35	1.63	-0.22	-1.07	-0.61	1.33	645.00
650.	4.48	1.65	0.21	-1.21	-0.18	1.17	650.00
655.	4.83	2.06	-0.69	-1.11	-0.26	1.22	655.00
660.	4.25	1.53	0.52	-1.45	-0.42	1.25	660.00
665.	4.54	1.48	-0.21	-0.40	-1.05	1.21	665.00
670.	3.87	2.04	0.21	-1.10	-0.80	1.15	670.00
675.	4.93	1.28	-0.42	-0.80	-1.36	1.13	675.00
680.	4.73	1.90	-0.73	-1.24	-0.67	1.06	680.00
685.	4.62	1.71	-0.25	-1.54	-0.00	1.02	685.00
690.	4.57	1.54	-0.43	-0.68	-1.07	0.92	690.00
695.	3.89	1.79	-0.76	-0.98	-0.29	0.91	695.00
700.	4.28	1.13	-0.33	-1.09	-0.92	0.89	700.00
705.	3.46	1.80	0.24	-1.72	0.01	0.87	705.00
710.	4.43	1.97	-0.32	-0.83	-1.07	0.90	710.00
715.	4.11	1.53	-0.35	-0.88	-0.90	0.84	715.00
720.	4.01	2.14	-0.66	-1.63	-0.29	0.77	720.00

TIME	42	43	44	45	46	47	49
725.	3.73	1.82	-0.49	-1.41	-0.28	0.78	725.00
730.	3.99	1.61	-0.52	-0.94	-0.57	0.74	730.00
735.	3.70	1.61	-0.12	-1.43	-0.31	0.70	735.00
740.	3.53	1.87	-0.39	-0.84	-0.84	0.67	740.00
745.	3.86	1.67	-0.71	-0.85	-0.52	0.65	745.00
750.	3.99	1.30	-0.41	-1.09	-0.36	0.63	750.00
755.	3.22	1.77	-0.30	-0.89	-0.65	0.61	755.00
760.	3.75	1.44	-0.12	-0.99	-0.78	0.58	760.00
765.	3.38	1.61	-0.39	-0.95	-0.51	0.53	765.00
770.	3.44	1.77	-0.33	-0.91	-0.84	0.53	770.00
775.	3.29	1.29	0.06	-0.71	-0.93	0.50	775.00
780.	3.60	1.60	-0.21	-0.83	-0.52	0.46	780.00
785.	3.52	1.35	-0.44	-1.02	-0.57	0.49	785.00
790.	3.48	1.40	-0.54	-0.86	0.01	0.47	790.00
795.	3.62	1.59	-0.67	-0.81	-0.60	0.44	795.00
800.	2.95	1.76	-0.66	-0.89	-1.02	0.46	800.00
805.	3.07	1.44	-0.47	-0.79	-0.36	0.44	805.00
810.	3.27	1.53	-0.45	-1.01	-0.41	0.43	810.00
815.	2.97	1.71	-0.31	-1.14	-0.20	0.43	815.00
820.	2.69	1.48	-0.04	-0.95	-0.94	0.42	820.00
825.	2.97	1.70	-0.39	-1.15	-0.18	0.40	825.00
830.	2.74	1.82	-0.38	-1.02	-0.74	0.39	830.00
835.	2.94	1.54	-0.50	-0.71	-0.41	0.38	835.00
840.	3.06	1.67	-0.54	-0.93	-0.20	0.37	840.00
845.	3.24	1.36	-0.30	-0.92	-0.28	0.38	845.00
850.	2.68	1.99	-0.58	-0.97	-0.18	0.36	850.00
855.	2.42	1.63	-0.44	-0.76	-0.48	0.36	855.00
860.	3.34	1.08	-0.66	-0.80	0.06	0.36	860.00
865.	2.82	1.54	-0.47	-1.06	-0.29	0.35	865.00
870.	2.70	1.34	-0.25	-0.86	-0.49	0.36	870.00
875.	2.89	1.24	-0.43	-1.03	-0.47	0.35	875.00
880.	2.78	1.58	-0.25	-1.34	0.04	0.35	880.00
885.	2.77	1.37	-0.65	-0.77	-0.39	0.35	885.00
890.	2.71	1.16	-0.57	-0.96	-0.49	0.32	890.00
895.	2.62	1.51	-0.79	-0.80	-0.54	0.33	895.00
900.	2.63	1.45	-0.40	-0.86	-0.49	0.32	900.00
905.	2.99	1.25	-0.59	-0.65	-0.44	0.31	905.00
910.	2.78	1.16	-0.24	-0.64	-0.58	0.31	910.00
915.	2.68	1.18	-0.26	-0.90	-0.48	0.31	915.00

PRC1J-W-3-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	23.30	23.20	22.82	23.13	22.42	21.92	21.72	22.90	23.32	23.27	23.20	23.27	23.10	23.13
0.	23.37	23.10	22.75	23.40	22.70	22.02	21.85	23.02	23.40	23.27	23.30	23.32	23.17	23.07
0.	23.27	22.77	22.70	23.07	22.20	22.02	21.67	22.97	23.42	23.32	23.30	23.32	23.10	23.07
0.	23.45	23.17	22.65	23.10	22.50	21.77	21.52	22.97	23.40	23.37	23.27	23.30	23.15	23.10
0.	23.25	23.00	22.65	23.30	22.38	21.72	21.50	23.02	23.32	23.30	23.22	23.22	23.10	23.10
0.	23.25	23.13	22.67	23.30	22.47	21.60	21.50	22.95	23.35	23.32	23.22	23.27	23.10	23.17
5.	23.42	23.32	23.25	23.22	22.72	22.25	21.92	25.70	28.30	23.55	23.20	23.20	23.07	23.02
10.	29.02	30.66	25.63	23.55	22.90	22.63	22.65	27.47	30.30	29.77	30.68	32.63	29.41	28.55
15.	39.02	29.90	25.30	23.52	23.15	23.00	22.27	28.13	41.53	36.56	36.68	38.32	34.93	33.02
20.	40.39	33.34	25.82	23.13	22.27	21.95	21.77	29.42	43.17	40.24	40.12	41.98	37.80	37.17
25.	45.02	40.12	26.00	22.85	22.80	22.25	22.12	30.05	44.49	43.85	44.00	47.02	43.34	40.85
30.	52.05	41.85	28.95	22.67	22.85	22.12	22.10	30.83	49.39	50.24	47.27	48.68	44.95	43.39
35.	50.85	47.63	29.32	22.35	22.25	21.63	21.72	32.73	53.38	51.93	50.19	51.73	49.37	48.70
40.	57.10	52.07	36.12	22.27	22.47	21.63	21.63	36.66	60.38	56.19	56.17	58.46	56.39	54.24
45.	65.79	59.15	36.90	22.85	22.75	21.72	21.75	39.78	75.51	67.59	66.29	67.12	64.81	64.50
50.	77.74	62.19	37.93	22.95	23.02	21.92	21.82	42.56	90.35	83.40	82.26	80.29	75.51	71.27
55.	94.55	77.88	45.51	22.80	22.60	21.95	21.65	47.98	103.71	95.81	95.40	97.26	89.05	82.83
60.	107.51	87.74	44.27	22.65	23.00	22.27	22.12	57.68	124.30	115.56	112.10	108.15	97.19	94.59
65.	125.54	91.69	55.83	22.80	23.02	22.12	21.65	59.50	139.38	134.25	124.41	121.46	115.78	105.83
70.	140.13	124.46	49.95	24.00	23.17	22.42	22.22	63.81	155.55	148.70	144.90	143.02	127.44	117.09
75.	157.45	127.93	63.62	23.30	23.22	22.30	22.22	71.90	169.55	158.27	157.82	156.42	144.92	140.77
80.	169.47	138.42	50.54	23.45	23.27	22.40	22.27	76.17	182.47	173.22	173.25	171.67	165.05	154.13
85.	201.65	170.50	45.41	23.35	23.70	21.60	21.63	85.21	202.37	199.61	201.52	201.76	187.15	178.97
90.	219.17	190.32	69.68	23.72	23.67	21.47	21.35	100.22	241.30	231.52	222.32	220.72	198.75	196.25
95.	239.02	214.25	48.41	24.25	23.72	22.12	21.63	108.95	255.58	242.58	236.93	238.37	229.92	220.67
100.	253.37	198.07	86.09	23.90	23.60	22.02	21.95	125.49	274.33	274.61	273.00	280.10	255.90	241.98
105.	277.98	238.34	60.69	23.92	24.30	22.27	22.27	137.38	308.56	294.73	294.27	280.95	260.58	253.88
110.	294.00	225.05	63.24	24.27	23.63	22.63	22.50	148.42	311.12	315.10	303.80	292.81	274.17	265.39
115.	308.34	284.51	92.09	24.32	24.75	21.90	21.52	150.47	326.24	324.50	314.90	317.26	295.63	284.76
120.	314.88	255.07	82.24	24.42	24.65	22.00	21.75	165.57	325.38	327.43	321.38	339.98	307.27	293.00
125.	321.43	304.54	56.02	25.02	24.85	22.05	21.70	167.40	348.33	343.68	340.78	348.79	321.86	312.59
130.	329.12	310.41	69.80	24.67	24.92	21.85	21.63	180.75	347.19	342.12	345.88	349.48	349.50	342.29
135.	328.90	287.90	101.68	24.92	25.05	21.90	21.60	190.63	356.24	354.83	347.40	361.93	347.86	344.15
140.	339.90	286.71	104.05	24.88	24.97	21.77	21.50	203.00	364.95	364.86	361.76	366.30	342.88	345.93
145.	347.40	317.71	76.37	25.07	24.97	21.97	21.50	204.49	368.33	364.02	369.62	386.50	363.23	368.71
150.	352.48	287.71	96.86	25.27	25.92	22.02	21.70	208.22	380.36	365.95	367.52	368.74	353.62	347.62
155.	359.05	305.37	54.54	25.45	26.22	22.45	21.90	206.83	362.49	367.52	366.55	381.93	364.40	359.79
160.	369.12	311.33	126.22	26.35	25.92	22.35	22.10	223.77	367.74	369.52	364.55	364.42	362.24	359.43
165.	362.81	345.39	152.77	25.52	26.20	21.90	21.75	225.40	365.58	368.07	370.56	381.05	363.26	351.29
170.	360.29	329.05	111.32	25.40	25.97	21.95	22.17	222.05	366.50	368.71	368.48	384.93	362.88	361.86
175.	359.62	324.71	84.17	25.25	26.35	22.38	21.90	229.70	364.35	363.53	365.36	363.67	356.40	357.29
180.	368.86	343.46	143.32	25.22	26.25	22.42	22.22	229.30	366.19	365.12	363.40	367.28	358.62	362.59
185.	363.33	317.24	77.68	25.52	27.05	22.38	22.07	229.67	365.26	366.52	359.31	363.23	365.67	368.00
190.	359.93	312.24	141.55	26.27	26.65	22.25	21.97	232.05	366.46	368.59	359.26	361.83	343.24	347.51
195.	355.29	285.05	88.36	25.47	26.70	22.50	22.40	231.56	366.12	363.05	366.74	364.65	358.57	360.71
200.	359.24	303.98	113.98	25.50	26.77	22.57	22.38	232.27	368.39	365.51	368.12	370.56	361.26	361.00
205.	357.90	342.61	124.49	25.17	27.20	22.63	22.45	233.27	363.53	367.88	362.86	366.42	363.38	352.74
210.	353.64	323.81	140.55	26.47	27.20	22.75	22.17	235.78	364.37	368.40	361.93	368.26	346.55	351.48
215.	349.57	327.00	127.07	31.44	26.50	22.70	22.35	239.90	365.30	369.07	366.12	368.32	369.67	363.81
220.	349.67	325.67	102.27	27.82	27.02	22.38	22.22	238.78	368.17	363.74	367.02	367.00	364.64	361.02

PRC11-W-3-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	357.45	345.74	175.52	26.67	25.88	22.20	21.95	238.68	368.72	370.81	364.28	380.90	362.50	353.17
230.	350.00	346.63	156.05	30.68	26.38	22.10	22.17	243.71	369.32	361.77	364.17	364.51	354.64	355.05
235.	351.57	339.51	169.15	26.92	27.32	22.25	22.17	242.12	369.36	368.09	360.69	364.40	348.21	342.50
240.	348.98	347.24	207.68	25.85	25.38	22.32	22.00	245.95	366.35	362.88	365.40	365.07	360.64	354.83
245.	353.29	324.48	158.17	26.02	27.22	22.47	22.20	244.76	366.74	368.19	367.86	369.46	361.90	356.71
250.	344.67	341.44	96.21	26.77	26.15	22.70	22.50	244.54	366.76	366.31	365.21	363.12	366.17	353.90
255.	353.64	319.93	124.76	26.80	26.88	22.38	22.52	251.07	363.32	367.36	362.12	360.40	361.45	368.57
260.	349.07	313.76	139.10	26.47	25.50	22.25	21.95	247.08	358.19	364.29	363.43	368.28	359.48	360.57
265.	340.17	314.76	142.20	25.85	27.57	22.35	22.35	245.17	367.76	369.71	360.45	361.98	357.38	352.45
270.	343.81	318.52	149.67	25.70	27.77	22.75	23.05	247.44	363.38	362.38	357.69	364.55	355.55	357.79
275.	350.00	312.38	137.47	26.02	28.05	22.72	22.65	249.80	365.57	361.93	360.29	366.14	345.90	340.51
280.	348.95	314.09	191.72	29.00	27.42	22.82	21.82	248.19	364.33	362.31	357.43	369.33	362.79	358.36
285.	339.37	322.74	73.41	27.55	26.82	23.42	22.42	247.73	358.76	364.83	355.67	367.12	355.52	346.05
290.	340.55	309.58	97.00	26.52	25.05	22.47	22.50	254.17	365.55	357.31	353.45	357.64	350.93	359.09
295.	342.24	324.79	114.61	26.15	27.05	22.67	22.60	252.82	354.38	352.31	348.55	363.98	363.76	361.64
300.	346.26	338.73	161.55	26.40	26.92	22.92	22.77	254.27	357.38	361.55	357.31	359.29	349.48	346.73
305.	346.12	312.73	70.90	27.92	27.20	23.15	22.67	253.10	356.19	349.38	344.83	355.05	356.48	359.74
310.	343.98	319.17	85.29	27.15	25.57	22.95	22.97	253.22	359.35	361.48	357.98	361.74	340.76	344.73
315.	339.73	294.41	108.61	26.42	26.50	22.65	22.92	254.61	354.35	355.43	350.31	352.98	347.50	353.95
320.	342.71	312.19	85.79	26.92	27.42	22.42	22.07	254.71	356.50	353.98	347.43	352.31	349.00	353.86
325.	343.98	318.57	190.27	25.97	27.17	22.25	22.15	256.15	355.33	353.24	351.29	365.36	358.71	345.19
330.	343.07	313.02	95.71	26.00	27.05	21.82	21.95	253.41	357.35	351.76	350.48	359.40	349.83	346.98
335.	345.56	296.98	104.34	26.30	27.90	22.35	22.27	253.88	352.30	359.76	350.40	363.53	364.14	359.50
340.	341.15	312.71	116.61	26.65	28.20	22.40	22.12	253.98	350.31	353.59	348.79	357.21	347.14	343.29
345.	345.46	317.51	173.70	26.52	26.38	22.70	22.52	254.66	354.57	359.50	358.05	362.88	349.86	349.19
350.	330.14	315.54	145.27	27.00	27.67	22.88	22.90	255.56	357.79	357.02	350.71	357.36	359.26	360.62
355.	342.79	318.88	158.80	26.30	28.80	22.90	22.67	257.07	350.37	350.83	348.17	357.90	345.80	344.09
360.	342.90	307.88	115.80	26.02	28.85	22.77	22.57	254.71	347.48	347.74	340.98	344.02	339.56	347.24
365.	339.93	326.69	118.44	26.72	27.90	22.67	22.65	254.49	355.39	349.79	344.24	352.76	344.95	346.57
370.	339.93	318.69	188.67	26.57	27.72	22.52	22.63	256.66	351.55	346.98	343.59	351.79	340.55	344.50
375.	343.76	313.90	178.20	27.57	26.88	22.45	22.05	258.41	347.35	345.62	345.31	346.33	341.85	347.81
380.	346.32	315.21	172.00	26.88	26.65	22.25	22.42	250.73	353.29	357.57	354.17	359.64	347.79	341.05
385.	327.05	314.62	103.73	27.10	25.15	23.20	22.07	256.51	345.43	346.00	344.38	352.83	350.67	355.95
390.	330.09	313.64	109.90	27.27	24.88	22.32	22.30	258.32	345.71	351.76	347.07	347.90	346.73	341.56
395.	341.90	311.49	129.00	26.52	26.82	22.57	22.38	259.61	351.35	352.59	343.38	353.71	343.69	344.17
400.	328.95	321.36	123.46	26.02	28.20	22.50	22.55	259.12	344.33	348.90	342.95	349.00	347.40	353.83
405.	314.55	318.45	170.00	26.10	24.85	22.55	22.50	260.10	351.33	351.95	346.02	352.09	348.29	350.43
410.	329.69	314.14	110.44	27.07	29.05	22.65	22.52	262.39	347.21	343.98	340.86	347.26	344.67	342.31
415.	328.98	320.26	144.77	26.70	29.20	22.90	22.45	263.66	345.33	345.90	343.79	356.26	359.59	364.50
420.	340.15	304.98	129.56	27.20	27.95	22.57	22.25	262.58	356.55	354.02	349.88	350.02	343.49	344.07
425.	322.90	314.09	105.07	27.70	28.00	23.20	22.42	266.34	355.37	354.43	345.88	349.59	340.98	346.90
430.	341.93	318.45	197.40	27.17	29.30	22.82	23.07	264.56	355.76	346.52	343.05	348.98	348.32	349.12
435.	342.29	317.46	163.30	26.85	28.67	22.85	22.72	263.41	349.37	353.31	347.05	353.79	346.95	347.38
440.	344.95	315.57	170.50	27.47	27.67	23.30	22.57	266.32	350.12	351.57	351.29	356.55	346.40	345.41
445.	340.12	311.19	116.22	30.17	29.02	23.07	23.07	265.19	353.90	351.33	346.64	352.76	341.33	347.27
450.	343.19	317.61	143.10	29.51	28.25	22.95	22.72	263.93	347.33	348.26	343.40	348.90	347.34	348.27
455.	343.93	315.26	176.80	29.20	28.80	22.65	22.42	265.93	346.40	346.48	341.86	351.26	343.56	340.86
460.	344.17	308.95	127.61	29.27	28.80	23.07	22.65	266.22	349.50	348.64	348.71	356.26	353.40	347.40
465.	340.64	315.00	165.38	32.34	28.20	22.77	22.60	269.24	362.30	350.45	348.43	353.76	345.17	353.36
470.	328.09	307.24	246.51	29.05	27.15	23.02	23.02	270.02	348.48	347.88	341.93	350.29	348.19	350.19

PRC11-W-3-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	323.29	314.62	233.83	28.07	25.80	23.00	23.02	267.27	342.38	346.76	344.38	347.98	345.93	345.19
480.	327.57	307.07	141.92	28.02	26.70	23.17	22.60	269.61	348.39	350.40	346.05	350.21	347.19	347.49
485.	324.79	313.17	133.30	27.47	26.80	23.97	21.82	269.63	342.76	345.21	342.40	343.12	344.24	346.88
490.	326.24	321.52	148.55	27.25	25.15	22.47	22.38	270.68	349.74	348.50	345.05	351.43	344.02	344.57
495.	326.17	317.52	90.59	27.00	25.45	23.00	22.47	270.49	347.37	343.81	342.33	347.57	342.32	342.19
500.	328.00	309.12	86.05	26.38	27.30	22.25	22.25	267.95	344.26	344.69	348.19	344.86	348.49	345.32
505.	316.19	293.88	149.57	26.82	28.13	22.30	22.25	266.44	346.76	340.69	345.07	345.52	344.73	327.79
510.	317.88	302.76	118.44	26.47	28.10	22.00	22.10	265.34	347.41	346.24	340.58	346.61	341.68	338.76
515.	315.38	315.27	105.73	30.37	28.32	22.65	22.35	265.32	349.26	347.34	342.98	342.17	348.51	346.85
520.	318.64	287.12	116.58	28.55	27.49	22.80	22.22	263.68	341.56	339.73	328.81	342.07	326.43	326.19
525.	318.95	309.93	136.45	28.65	27.38	22.72	22.52	262.17	340.15	328.36	324.62	329.59	339.63	338.61
530.	312.50	313.27	129.37	27.35	28.57	22.67	22.50	260.10	328.38	326.71	323.05	327.76	324.50	327.71
535.	311.33	296.32	139.22	26.20	28.07	22.70	22.17	259.15	324.36	324.76	320.83	325.93	322.98	326.14
540.	309.58	304.51	164.10	31.27	27.17	22.72	22.80	257.76	318.30	317.69	312.86	320.59	317.40	316.93
545.	317.85	308.54	141.75	27.90	28.20	22.82	22.90	255.90	317.57	319.19	316.48	322.40	318.02	316.98
550.	312.41	291.33	159.05	27.45	27.32	22.88	22.10	253.56	314.57	315.59	313.88	320.50	317.93	324.57
555.	310.90	301.56	136.45	27.35	28.00	23.05	22.02	252.24	319.30	311.76	316.56	318.55	314.90	312.02
560.	306.46	274.46	78.71	27.00	26.85	22.77	22.07	252.05	311.54	311.02	314.22	314.17	311.12	305.61
565.	302.19	278.68	116.15	27.05	27.52	23.00	22.42	254.29	315.29	317.19	313.80	316.46	310.93	303.66
570.	293.26	287.54	160.45	26.57	25.70	23.82	22.35	253.93	312.34	312.24	308.98	314.12	309.02	303.10
575.	303.24	285.24	153.20	26.92	26.42	23.67	22.65	253.54	309.44	308.34	305.61	311.80	308.83	306.76
580.	290.95	285.85	154.88	26.47	27.90	22.90	22.38	249.58	304.56	304.88	301.66	305.63	291.59	303.95
585.	294.15	280.93	143.85	26.52	28.22	22.47	22.17	246.05	307.30	305.41	304.98	311.80	307.90	306.49
590.	296.51	282.10	133.97	27.22	24.60	23.17	22.50	243.63	304.54	303.15	291.67	304.07	301.95	302.51
595.	289.27	266.05	120.41	28.17	23.90	23.15	22.32	240.34	292.17	291.21	295.17	290.95	296.24	294.02
600.	277.63	252.58	84.83	26.90	26.17	22.90	22.60	237.19	290.58	289.90	287.90	290.32	284.12	281.58
605.	273.17	265.68	110.27	29.25	25.38	22.67	22.35	235.12	284.34	284.63	280.98	279.88	275.49	271.27
610.	265.61	251.85	89.67	26.67	26.63	22.40	22.22	232.00	277.53	273.76	270.85	273.02	269.71	270.44
615.	258.76	256.83	147.75	25.60	27.40	22.82	22.40	228.85	276.53	272.83	271.37	275.66	271.66	266.12
620.	258.93	229.42	106.05	25.85	26.97	23.45	22.77	228.41	272.15	267.73	266.58	267.80	263.73	259.22
625.	253.95	240.46	107.15	26.05	25.07	22.60	22.25	231.25	268.54	265.88	264.22	266.73	261.56	256.95
630.	253.00	242.93	121.41	26.02	27.82	22.38	21.90	228.55	262.49	259.90	257.61	257.98	254.10	252.88
635.	246.58	223.57	109.10	26.47	28.02	23.00	22.85	227.10	255.35	253.05	251.32	252.95	247.93	247.17
640.	238.66	239.71	96.36	25.50	27.82	22.35	22.17	224.37	249.71	249.95	249.12	250.02	246.95	245.76
645.	239.56	228.25	90.14	25.63	27.88	22.55	22.35	222.02	246.12	244.41	243.39	245.34	240.73	237.02
650.	239.71	223.67	122.37	26.77	27.05	22.35	22.20	221.07	242.29	242.68	240.07	241.07	238.37	234.29
655.	231.34	201.22	140.00	25.32	26.88	22.80	22.27	218.85	241.10	238.22	236.19	236.41	235.19	235.98
660.	228.54	203.32	111.83	25.20	27.00	22.52	22.22	216.35	235.29	233.05	232.07	232.17	229.12	228.95
665.	223.07	192.07	116.90	26.50	25.97	22.40	22.38	207.90	228.27	229.55	233.00	232.88	227.40	222.20
670.	223.30	190.75	86.88	31.17	25.97	22.65	22.20	205.27	220.57	221.27	223.72	224.90	223.67	222.32
675.	207.80	201.70	76.46	28.70	25.05	22.67	22.40	203.49	220.50	218.72	219.62	220.52	218.82	218.45
680.	205.58	200.05	89.36	30.07	26.02	22.35	22.45	202.32	221.30	220.75	219.42	215.52	214.60	214.38
685.	203.76	188.63	73.98	27.15	26.77	22.38	22.30	200.22	216.13	217.27	216.85	207.76	205.98	202.54
690.	201.39	187.82	92.95	26.40	26.27	23.57	22.47	198.85	207.51	207.32	207.12	203.51	203.51	202.71
695.	200.51	176.85	66.64	25.88	27.15	22.57	21.92	202.40	205.78	200.17	200.58	202.71	203.85	202.37
700.	201.02	185.57	92.95	31.02	25.63	22.35	21.82	201.47	203.56	201.19	201.78	202.02	201.12	199.98
705.	202.05	178.80	85.88	26.88	26.32	22.12	21.67	199.65	203.37	200.85	200.61	199.49	198.51	201.85
710.	199.50	185.97	89.05	26.45	23.82	22.45	21.90	197.95	199.12	201.27	201.92	200.52	201.10	199.55
715.	196.60	176.97	76.63	26.57	23.97	22.20	22.00	196.82	202.32	201.13	200.42	199.65	199.20	196.30
720.	193.30	177.80	80.79	25.90	26.55	22.15	21.82	195.90	200.55	198.97	197.55	196.30	197.17	194.30

PRC11-W-3-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	191.17	190.92	93.31	25.52	23.87	22.92	22.35	194.57	197.52	195.82	195.00	194.50	194.57	194.13
730.	191.32	177.22	86.09	25.45	25.52	22.50	22.77	193.22	194.45	193.22	193.87	194.45	194.02	194.32
735.	189.50	171.60	66.38	25.30	25.72	23.63	21.65	191.80	191.37	190.72	191.22	190.38	191.47	190.92
740.	186.52	167.17	80.64	24.60	23.13	22.60	21.70	190.65	189.38	188.90	189.75	191.02	190.35	190.77
745.	184.30	154.95	64.59	24.35	24.72	21.60	21.45	189.02	185.55	186.70	185.95	187.95	188.47	187.38
750.	181.70	159.65	49.68	24.65	25.40	22.22	22.10	187.75	182.35	183.37	185.52	183.75	183.97	185.12
755.	178.63	172.15	67.36	24.57	23.80	22.35	22.25	186.47	177.15	178.27	179.88	179.70	179.15	180.20
760.	174.85	167.32	81.76	24.72	24.42	22.27	22.57	185.45	175.70	177.50	178.72	178.15	179.05	178.17
765.	173.13	160.42	79.98	25.75	25.97	22.60	22.63	184.27	174.38	174.47	176.20	175.38	176.52	177.70
770.	170.13	135.92	64.71	25.00	25.45	22.20	22.27	183.05	175.10	174.40	177.80	177.40	176.47	176.57
775.	171.75	155.35	77.74	27.90	23.67	22.55	21.80	182.20	174.57	173.82	177.02	176.82	177.70	178.32
780.	171.60	159.22	86.19	28.97	26.22	22.42	22.02	180.87	172.32	170.77	171.17	173.88	176.65	176.35
785.	167.47	155.88	82.29	26.75	24.27	22.05	21.92	180.25	170.35	170.07	172.07	170.85	172.42	171.35
790.	168.30	141.45	47.51	25.63	25.85	22.12	22.05	179.57	170.90	170.60	171.75	170.92	170.97	170.22
795.	166.42	148.25	78.67	26.72	24.95	22.25	22.00	178.82	169.40	168.80	171.52	169.27	169.72	167.80
800.	167.45	137.77	66.55	29.17	25.63	21.80	21.72	177.72	168.50	170.17	171.22	169.30	169.62	168.05
805.	165.47	139.50	62.64	27.17	25.95	21.77	21.55	176.90	165.37	167.25	168.70	168.07	168.97	166.82
810.	163.20	137.38	79.90	27.85	25.85	22.63	21.90	176.88	168.32	166.77	166.95	165.17	166.13	165.02
815.	163.00	129.22	78.15	28.15	25.32	22.15	21.80	175.82	162.52	160.65	167.22	167.47	166.52	166.57
820.	162.80	135.88	76.05	26.60	25.72	22.57	21.72	174.62	164.55	164.40	167.70	166.50	164.80	165.10
825.	163.07	124.00	74.46	25.82	26.38	22.32	22.22	173.85	161.22	161.77	166.57	164.70	163.70	160.57
830.	157.80	116.51	70.44	26.32	25.88	22.42	21.75	173.97	165.57	160.75	155.52	152.40	152.35	143.17
835.	157.07	116.88	69.71	25.47	25.45	22.22	21.90	174.20	168.52	165.70	157.67	156.35	152.95	143.70

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	22.95	22.80	22.72	22.52	22.45	22.20	21.97	22.05	21.30	22.12	22.92	21.85	21.82	21.67
0.	22.97	22.82	22.67	22.52	22.45	22.22	22.12	22.12	21.38	22.15	23.02	21.77	21.77	21.70
0.	22.95	22.82	22.65	22.42	22.38	22.25	22.17	22.02	21.30	22.15	22.95	21.75	21.60	21.65
0.	22.95	22.72	22.55	22.40	22.32	22.25	22.17	21.92	21.75	22.07	22.92	21.75	21.65	21.60
0.	22.92	22.72	22.52	22.40	22.27	22.20	22.12	21.85	21.72	22.10	22.95	21.75	21.63	21.57
0.	22.85	22.67	22.50	22.42	22.38	22.22	22.07	21.90	21.32	22.20	22.90	21.80	21.65	21.57
5.	22.97	23.02	22.92	22.88	22.77	22.77	22.32	22.02	21.32	22.38	23.57	21.82	21.70	21.52
10.	27.97	27.47	25.63	23.32	23.07	23.05	22.60	22.12	21.32	22.55	24.38	21.92	21.95	21.65
15.	34.12	31.56	29.32	25.67	23.90	23.22	22.70	22.25	22.35	22.75	24.70	21.95	21.95	21.60
20.	36.22	33.80	29.40	24.47	23.70	23.52	22.65	22.30	22.10	22.92	25.20	22.00	21.90	21.67
25.	39.73	36.95	34.27	27.80	23.72	23.57	22.82	22.38	22.15	23.10	25.88	21.97	21.90	21.67
30.	42.93	39.12	34.68	26.95	24.00	23.65	22.97	22.47	22.27	23.32	26.80	22.20	22.00	21.67
35.	48.56	47.32	43.41	29.39	24.92	23.85	23.10	22.55	22.17	23.63	27.65	22.10	21.92	21.85
40.	51.07	48.34	44.02	30.17	25.20	23.95	23.20	22.65	22.17	24.00	28.82	22.02	21.92	21.77
45.	58.76	49.24	45.34	32.98	27.57	24.70	23.15	22.85	22.35	24.60	29.68	22.38	22.27	21.80
50.	65.86	58.44	48.10	35.07	29.38	26.00	23.42	23.13	22.52	25.47	31.24	22.57	22.50	21.80
55.	79.00	65.48	50.44	40.63	30.24	27.05	24.07	23.42	22.55	26.42	34.44	22.82	22.70	21.92
60.	87.59	74.49	55.63	44.34	31.95	29.10	24.82	23.77	23.17	27.95	37.71	23.47	23.32	22.15
65.	103.15	88.64	65.90	53.88	37.56	30.46	25.42	24.45	23.35	29.90	40.34	23.97	24.00	22.40
70.	111.32	97.07	82.12	59.07	39.39	33.73	26.67	25.70	24.55	31.34	43.66	24.75	24.70	22.67
75.	129.68	121.34	92.43	58.95	44.93	38.71	29.27	26.13	25.35	33.51	46.73	24.90	24.70	23.07
80.	150.10	138.35	96.50	58.69	45.10	41.54	31.41	27.70	25.35	35.88	50.61	25.92	25.62	23.47
85.	154.25	139.38	103.88	65.40	48.24	40.32	32.49	29.10	27.75	39.19	55.88	27.32	27.92	24.32
90.	182.88	159.92	116.46	70.05	51.49	47.54	33.56	29.93	28.72	45.19	61.95	27.70	27.80	24.80
95.	204.37	183.45	129.78	70.44	57.66	50.49	35.39	30.02	30.35	52.19	69.73	29.27	29.25	24.92
100.	232.72	202.88	146.02	70.54	61.50	54.29	37.66	31.78	30.12	57.17	78.66	29.95	29.70	25.42
105.	242.00	201.95	149.32	76.29	65.00	56.83	35.29	32.90	31.17	62.55	85.09	30.66	30.63	25.88
110.	256.17	229.60	172.05	79.48	72.12	55.27	35.80	33.15	31.49	72.34	92.95	30.02	30.05	26.63
115.	280.05	240.05	166.82	83.67	77.83	56.83	38.46	35.66	33.19	76.54	104.49	32.85	32.07	27.22
120.	274.46	243.44	173.60	86.00	80.86	60.71	40.27	36.37	37.58	78.62	111.56	34.10	34.19	28.02
125.	302.90	268.78	182.47	87.67	86.55	73.05	44.46	36.61	37.49	88.45	121.93	33.88	33.27	28.65
130.	313.78	268.68	201.56	88.29	90.48	72.95	45.10	37.02	39.49	96.62	127.44	34.93	33.71	29.00
135.	338.56	294.34	218.40	88.24	89.31	75.51	45.85	37.49	40.56	104.17	139.32	34.68	34.05	29.75
140.	312.55	294.71	228.41	100.85	104.19	80.21	48.95	41.24	42.46	111.24	147.95	37.83	37.88	29.61
145.	344.17	296.37	255.10	100.78	110.00	85.79	53.95	41.78	40.73	115.61	155.92	36.83	37.12	30.37
150.	326.17	290.83	230.05	105.85	106.90	93.00	52.39	40.88	39.58	112.88	160.92	36.39	35.88	30.88
155.	345.54	303.95	228.44	115.19	105.98	83.98	54.10	41.78	42.71	117.39	165.38	40.71	39.66	31.37
160.	325.74	314.44	256.00	125.95	119.54	90.79	48.54	43.66	45.32	112.24	172.15	40.66	39.00	32.24
165.	321.48	309.49	237.63	135.22	124.76	97.29	54.29	41.80	47.56	121.78	176.85	38.17	36.98	32.80
170.	347.83	312.05	239.61	128.49	134.35	91.45	52.27	43.34	46.46	119.44	183.27	42.95	41.49	33.22
175.	349.48	309.19	253.71	129.80	117.71	100.41	55.51	44.22	45.51	126.63	185.05	42.51	41.46	33.76
180.	362.74	313.61	268.02	135.42	120.54	87.76	55.51	42.71	47.54	136.85	189.32	39.54	40.41	34.44
185.	345.54	309.49	250.58	142.10	136.60	100.54	57.61	44.29	47.37	137.30	193.77	41.56	41.85	34.76
190.	323.90	304.32	260.05	145.65	121.66	93.43	58.83	48.54	49.39	136.90	197.67	43.32	44.56	35.24
195.	347.15	310.51	247.41	139.15	109.22	93.00	60.07	48.85	51.41	134.72	199.70	44.34	42.68	36.12
200.	348.74	310.00	252.02	153.92	127.90	96.24	58.80	50.80	49.78	136.25	202.15	47.68	47.15	36.63
205.	346.22	313.07	253.00	153.15	120.85	92.21	62.33	47.12	52.37	136.50	199.12	48.19	48.46	37.37
210.	343.78	318.05	260.71	146.63	111.46	90.81	59.67	56.46	52.35	137.57	202.41	45.05	48.83	37.83
215.	346.86	311.80	256.95	154.13	137.75	117.10	60.86	46.76	47.35	137.38	204.78	43.22	42.44	38.00
220.	344.51	309.27	262.80	174.95	127.17	109.46	64.57	52.68	49.49	140.47	206.56	46.41	46.27	38.34

PRC11-W-3-1/2

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	341.59	311.86	250.07	176.05	140.15	108.68	65.21	55.32	49.33	142.90	213.92	47.44	49.39	39.44
230.	344.44	310.59	267.19	175.60	145.75	113.83	65.26	53.78	50.34	140.38	216.92	48.19	47.29	40.44
235.	339.78	312.22	282.80	173.77	133.85	108.02	67.85	49.95	49.32	142.35	219.47	47.71	47.29	40.56
240.	347.78	302.49	254.24	170.70	152.55	116.90	65.02	56.24	50.38	136.13	222.30	49.34	48.24	41.27
245.	330.17	318.93	276.63	168.40	135.92	97.14	69.73	49.61	55.30	137.50	221.72	48.17	47.34	41.34
250.	326.93	317.12	258.66	162.97	129.44	104.27	65.31	56.61	53.51	145.47	223.72	48.22	48.37	41.73
255.	344.00	304.15	273.12	152.25	147.00	93.81	65.79	55.78	55.49	141.65	224.67	49.51	51.15	42.10
260.	355.64	310.76	269.66	147.72	137.00	96.26	70.78	58.05	55.34	139.70	225.27	52.10	51.27	42.46
265.	340.49	317.49	279.27	136.13	119.68	93.24	65.69	57.34	57.37	145.00	226.55	51.41	50.76	42.49
270.	326.67	292.14	256.73	147.52	114.61	94.09	65.86	59.88	57.17	146.22	227.80	53.32	53.93	43.41
275.	329.21	305.00	247.15	150.15	115.17	91.88	64.69	59.69	57.37	149.97	228.20	50.71	47.61	43.88
280.	321.55	294.21	254.10	155.45	125.46	103.22	71.63	53.54	56.35	147.27	229.60	46.63	46.66	43.80
285.	326.81	308.12	269.12	149.27	134.22	106.76	70.66	55.95	53.24	142.42	230.97	51.58	49.32	43.37
290.	349.09	307.83	266.27	148.12	120.73	111.32	75.32	56.85	55.12	148.42	232.15	50.73	50.51	43.54
295.	339.17	291.68	254.61	148.75	127.34	95.86	73.39	58.00	57.30	150.42	233.32	52.83	52.19	43.68
300.	316.81	314.95	271.95	146.95	120.83	105.41	75.46	58.05	57.54	152.92	228.93	52.22	50.63	44.37
305.	352.98	308.34	263.29	150.45	138.67	108.29	71.00	56.27	52.56	144.63	228.83	47.34	47.29	44.24
310.	326.43	313.58	259.78	146.38	127.73	96.95	72.66	58.50	58.10	150.52	229.58	54.61	53.61	44.46
315.	345.00	317.68	276.27	137.02	124.39	101.61	73.46	62.74	58.31	150.77	230.54	53.85	54.63	44.49
320.	345.24	312.95	257.90	137.47	111.29	101.02	71.87	58.79	60.26	149.45	231.12	55.10	53.76	45.51
325.	312.83	297.76	267.76	148.95	135.02	104.41	72.88	58.12	58.43	146.57	230.95	53.58	52.83	46.12
330.	330.05	296.44	267.98	144.22	126.68	106.88	73.93	58.24	57.27	144.97	231.88	48.73	49.63	46.15
335.	341.54	297.49	250.51	137.10	129.37	93.17	65.26	58.98	58.33	146.00	232.93	51.17	50.90	46.27
340.	330.05	305.54	261.85	140.45	133.85	108.44	72.63	62.12	60.38	142.45	233.76	56.34	56.51	46.10
345.	329.69	302.29	265.61	139.07	119.63	100.66	67.62	61.64	58.49	150.27	233.76	52.98	50.05	46.49
350.	349.86	312.78	264.07	151.50	137.82	87.79	73.66	60.02	60.35	152.92	234.24	55.80	56.39	47.05
355.	345.93	314.56	255.93	154.97	138.50	96.90	77.07	60.86	59.40	151.88	235.24	56.37	55.15	47.61
360.	330.21	312.54	269.90	145.35	125.15	100.87	74.95	60.95	59.71	148.32	236.02	52.85	53.07	48.07
365.	340.27	293.55	247.24	156.80	143.47	114.24	73.22	59.40	60.54	147.50	236.15	55.39	54.02	48.02
370.	341.41	307.19	271.27	164.57	139.77	103.85	63.56	59.24	59.21	145.00	236.78	57.93	57.07	47.95
375.	325.38	315.32	272.41	163.97	140.75	94.71	73.85	59.45	58.30	151.52	237.17	53.78	53.27	47.51
380.	326.17	291.57	262.95	167.27	133.37	96.21	73.24	63.90	58.30	155.13	238.68	53.46	52.73	47.32
385.	327.19	311.54	255.78	161.90	142.47	102.12	73.51	61.79	59.14	147.32	239.80	56.93	55.12	47.56
390.	311.62	311.02	274.61	157.27	142.92	105.56	73.93	56.07	60.17	148.17	239.54	55.27	53.61	47.73
395.	341.46	312.56	275.98	152.40	140.55	95.67	69.83	60.74	61.24	151.72	240.34	58.80	58.27	48.19
400.	340.49	309.76	274.68	158.22	118.46	95.43	73.27	65.45	64.35	151.20	242.05	59.38	61.09	49.58
405.	324.14	292.31	265.93	160.42	127.44	100.24	77.27	67.76	67.37	160.97	242.27	58.58	62.64	50.17
410.	325.93	291.78	264.19	155.05	122.29	97.45	72.78	69.90	64.39	161.45	243.58	59.17	58.48	50.12
415.	354.43	288.93	251.24	157.62	138.32	97.33	73.66	61.76	65.40	165.65	243.88	60.45	56.27	50.63
420.	317.55	305.34	273.54	155.92	138.85	103.00	73.32	63.31	63.35	157.20	244.19	59.21	59.33	50.93
425.	317.52	316.68	278.80	154.75	133.45	106.98	73.93	66.29	63.38	156.85	245.66	63.14	59.17	51.24
430.	346.27	314.17	271.15	153.27	140.47	107.12	77.41	62.88	61.19	161.22	246.71	53.90	52.22	51.15
435.	323.71	292.38	248.95	161.42	148.42	113.63	73.41	58.19	61.38	169.47	246.80	57.32	56.56	50.85
440.	312.74	303.46	275.17	167.13	135.30	120.00	81.86	59.09	64.59	168.25	248.15	58.57	57.10	50.90
445.	322.26	294.07	264.90	150.82	148.70	116.54	81.95	67.21	66.35	167.50	249.15	61.64	62.07	52.02
450.	348.07	316.10	278.19	159.75	133.47	109.68	73.69	66.12	63.21	163.47	249.10	58.38	58.37	52.32
455.	327.81	304.15	267.10	164.15	147.45	123.51	73.79	64.45	66.30	166.95	250.56	57.49	56.61	52.02
460.	326.62	306.80	282.78	176.25	147.38	124.24	74.71	58.61	60.21	172.62	250.90	57.02	55.58	51.63
465.	348.41	311.12	278.39	194.10	165.27	117.51	75.39	61.02	62.71	167.75	251.17	58.74	55.63	51.44
470.	347.68	310.58	272.51	191.67	160.52	111.56	80.14	66.90	62.57	169.72	251.61	58.12	58.95	51.29

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	324.09	311.76	287.83	174.62	159.75	124.10	73.27	66.50	65.48	164.80	252.39	59.95	58.38	51.71
480.	324.31	316.95	285.07	162.72	142.60	106.90	73.62	70.66	70.54	160.72	252.41	66.14	63.05	52.51
485.	325.38	311.76	281.90	160.05	141.07	103.05	73.95	72.76	74.22	167.72	253.41	63.76	66.02	53.00
490.	328.00	293.50	260.83	156.80	150.07	105.54	77.68	71.68	72.30	156.30	253.29	65.71	64.33	54.05
495.	316.39	293.37	255.71	159.77	149.97	109.12	73.02	71.80	66.79	161.27	252.88	61.43	60.29	55.32
500.	339.29	313.27	256.76	158.88	145.05	109.98	75.76	66.52	66.38	163.32	252.71	62.14	62.43	55.07
505.	315.05	302.22	272.15	158.40	141.82	103.22	77.22	72.29	64.19	158.45	252.54	62.12	58.55	54.63
510.	315.09	293.95	261.95	156.40	140.10	105.58	75.24	66.74	72.35	159.95	251.51	65.21	62.19	55.22
515.	320.29	291.12	253.58	156.00	152.25	113.58	75.78	62.81	61.12	157.17	249.90	55.49	52.44	54.90
520.	319.12	303.05	257.54	144.82	139.30	106.90	73.58	72.73	66.35	144.25	249.80	62.69	62.19	54.02
525.	311.05	284.05	253.02	157.05	145.50	101.24	73.67	60.43	64.50	153.15	249.51	54.00	53.76	53.68
530.	321.45	291.10	250.12	148.82	143.35	97.50	77.07	67.33	63.19	158.52	248.17	58.00	57.98	53.07
535.	314.83	275.24	250.24	141.25	138.27	105.41	75.24	64.98	62.36	162.02	247.51	61.12	58.73	52.88
540.	309.46	279.22	249.93	143.60	129.71	102.02	75.24	64.67	64.48	158.67	245.58	61.90	61.29	52.95
545.	302.56	281.05	254.24	159.42	140.95	106.83	73.88	59.55	59.30	149.42	245.00	57.56	56.37	52.24
550.	312.33	274.46	229.24	159.67	127.54	92.62	69.00	66.17	64.76	156.45	244.27	58.40	58.48	52.66
555.	294.66	270.10	240.95	159.38	123.46	100.41	73.15	63.74	64.12	149.80	243.00	60.43	59.74	52.66
560.	290.93	278.41	245.93	150.05	129.73	106.58	73.86	60.17	66.30	148.60	242.32	57.73	56.37	53.71
565.	288.27	276.83	240.54	152.75	126.88	104.05	77.93	62.69	64.19	150.37	240.78	62.52	58.76	53.27
570.	294.12	284.68	249.44	143.52	133.85	108.68	77.00	67.21	66.48	146.22	240.12	65.93	63.62	53.32
575.	290.88	288.54	233.22	141.10	134.90	111.83	73.61	70.98	60.24	145.17	238.85	62.14	58.07	53.05
580.	304.80	264.54	223.12	141.32	133.37	91.74	77.22	63.19	65.54	144.47	237.76	58.95	58.29	52.98
585.	292.09	271.12	239.12	155.13	120.54	90.95	73.83	61.69	62.38	142.92	236.29	57.32	54.95	53.19
590.	279.41	250.73	204.05	147.80	119.17	106.27	73.10	63.33	58.14	149.47	234.66	59.02	58.54	52.83
595.	273.63	252.32	218.27	154.82	127.07	119.63	81.88	67.36	61.36	138.02	232.15	58.83	58.93	53.46
600.	268.10	250.17	218.07	161.22	126.98	113.12	73.00	63.21	58.26	137.30	230.49	59.38	58.14	53.37
605.	264.61	247.85	231.00	159.07	137.75	109.56	75.98	69.61	62.59	136.57	227.83	57.54	59.05	54.10
610.	258.88	246.85	207.07	161.42	134.17	105.46	73.00	69.95	61.14	136.85	231.80	58.98	58.79	53.51
615.	259.05	234.46	202.50	157.80	125.66	111.71	77.76	62.80	58.40	129.07	229.38	57.15	54.93	53.41
620.	248.95	231.95	185.67	146.20	140.77	113.17	73.39	67.71	61.14	134.50	227.85	61.29	61.31	53.98
625.	241.39	230.97	190.80	127.34	141.60	111.76	85.36	66.59	58.40	128.22	225.57	57.90	57.95	54.63
630.	243.80	232.90	198.05	135.45	124.71	106.02	73.09	71.32	60.79	121.34	223.35	55.73	56.88	55.02
635.	237.49	230.80	193.17	137.40	123.85	94.26	75.44	70.46	58.35	116.54	221.72	60.17	59.00	53.98
640.	232.46	217.82	187.30	136.97	120.66	101.39	73.40	67.38	59.52	116.93	219.75	56.12	57.02	53.19
645.	227.67	214.17	186.65	126.29	123.95	94.79	73.85	62.52	55.35	122.10	217.82	58.00	56.34	52.37
650.	230.85	214.27	187.85	124.58	117.80	95.02	64.50	59.55	56.56	116.41	216.07	55.00	55.54	52.85
655.	228.32	215.22	174.85	133.65	126.00	101.02	65.00	57.80	57.76	116.73	214.42	55.66	54.58	51.80
660.	223.30	205.71	190.92	135.50	124.98	101.51	73.56	62.93	58.33	117.80	207.34	58.41	57.66	52.12
665.	215.85	201.71	171.85	136.63	119.85	95.07	75.58	64.93	60.29	117.17	205.02	60.02	59.02	53.00
670.	218.75	202.98	167.55	147.85	120.19	102.61	73.48	67.62	62.14	121.19	203.00	61.40	58.67	54.12
675.	216.90	198.25	168.67	147.35	136.15	107.71	85.64	70.39	60.39	126.58	201.24	59.64	58.71	54.80
680.	202.02	191.87	163.72	147.95	134.82	108.95	82.74	72.78	63.26	122.07	199.56	62.98	61.69	55.76
685.	201.38	189.52	163.07	139.95	128.78	100.15	73.02	72.24	63.36	117.98	202.92	60.88	60.83	56.54
690.	198.61	186.50	155.22	136.85	134.13	104.95	77.24	70.56	65.14	110.68	201.27	62.76	63.69	57.39
695.	202.80	185.95	153.72	137.20	127.32	103.07	77.71	66.36	64.57	107.27	199.72	60.62	61.69	57.49
700.	199.42	189.95	154.15	129.02	126.10	92.12	74.61	61.62	56.56	110.90	198.38	53.68	51.83	56.15
705.	196.02	187.35	150.67	129.19	116.49	95.36	72.95	60.17	57.34	112.29	197.00	54.51	53.85	54.71
710.	192.65	174.02	150.40	129.46	118.88	94.64	73.63	61.86	57.12	112.54	195.55	53.05	53.49	53.61
715.	188.67	178.87	151.17	125.83	114.85	90.24	72.83	61.14	58.53	108.78	194.35	57.63	56.12	53.27
720.	185.32	170.30	151.92	122.41	109.32	92.86	72.63	61.08	58.27	108.63	192.95	58.29	55.44	53.29

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	185.15	171.02	142.92	117.80	115.56	92.50	71.32	62.83	58.53	111.39	191.82	58.09	57.63	53.34
730.	191.00	171.13	126.83	112.15	112.88	89.95	65.45	58.79	56.46	109.80	190.63	56.58	53.83	53.66
735.	189.72	163.77	125.15	114.85	113.51	87.17	64.50	58.81	58.32	110.12	189.50	56.95	56.32	54.19
740.	178.30	159.38	128.90	117.95	109.05	92.57	63.29	57.98	57.29	107.10	188.30	55.15	53.83	53.78
745.	181.30	165.45	138.30	118.61	114.88	85.26	64.31	60.00	57.27	107.46	187.12	57.78	55.98	53.34
750.	180.92	157.38	139.50	115.27	105.27	80.07	63.40	59.17	58.24	109.37	185.92	55.83	54.37	53.32
755.	179.37	165.95	139.17	118.07	110.15	82.38	67.71	58.45	55.78	106.95	185.00	53.00	52.19	52.78
760.	177.07	164.52	142.70	123.66	100.34	79.46	65.31	58.78	55.33	108.34	184.02	55.56	54.80	52.12
765.	171.60	154.52	126.10	120.29	104.83	81.69	63.67	59.29	55.33	104.10	183.05	54.85	53.17	51.90
770.	170.27	146.07	126.22	111.17	100.27	83.64	64.67	60.74	55.33	102.22	182.07	55.93	53.83	51.61
775.	161.85	146.82	125.68	106.27	90.36	80.62	64.79	61.62	57.30	103.80	181.25	58.98	55.34	51.32
780.	166.00	156.72	121.56	109.44	101.46	79.88	63.62	61.00	58.22	105.66	180.15	58.83	56.56	51.76
785.	161.65	149.42	119.98	106.85	100.85	78.45	63.38	59.33	57.19	105.98	179.13	56.00	55.44	52.00
790.	166.02	157.22	116.85	105.24	92.76	77.15	62.57	59.05	57.10	100.02	178.22	53.73	53.46	51.83
795.	165.95	154.22	112.46	96.64	94.79	78.17	64.07	58.83	55.38	93.36	177.40	55.71	53.54	51.71
800.	161.30	151.80	120.10	96.21	88.45	76.61	62.85	58.00	56.39	96.93	176.57	53.80	53.63	51.29
805.	150.90	140.88	116.98	103.46	91.19	74.78	61.57	58.29	57.17	102.63	175.67	54.93	56.27	51.15
810.	156.30	141.13	115.54	105.39	87.62	78.63	62.12	58.00	56.71	102.93	175.02	53.73	52.10	51.32
815.	161.38	129.22	114.58	105.95	89.12	77.37	63.36	60.40	56.33	100.68	174.50	55.95	54.07	52.07
820.	161.25	149.20	110.71	102.54	86.12	72.83	63.14	58.76	59.50	95.33	173.32	54.73	56.07	52.78
825.	155.92	146.77	107.98	105.39	87.26	76.22	63.26	58.33	57.76	95.74	172.55	55.71	55.19	52.51
830.	138.60	136.65	112.12	105.85	93.57	77.73	61.52	58.98	57.56	91.52	171.88	54.95	55.12	52.56
835.	129.98	125.83	114.61	109.15	94.88	75.71	63.74	59.85	56.73	91.36	171.52	54.93	54.58	52.78

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	22.22	22.25	19.43	10088.85	-0.01	-0.01	-3.02	0.13	0.30	0.00	0.00	0.00	21.00	0.31
0.	22.25	22.25	29.64	10088.85	-0.01	-0.01	-3.02	0.03	0.30	0.00	0.00	0.00	21.10	0.50
0.	22.10	22.32	40.13	10117.69	-0.01	-0.01	-3.02	0.12	0.30	0.00	0.00	0.00	21.10	-0.94
0.	22.12	22.27	50.36	10175.39	-0.01	-0.01	-3.02	0.14	0.30	0.00	0.00	0.00	21.10	-2.65
0.	22.12	22.15	59.63	10146.55	-0.01	-0.01	-3.02	-0.21	0.30	0.00	0.00	0.00	21.10	0.47
0.	22.22	22.17	69.85	10204.24	-0.01	-0.01	-3.02	-0.19	0.30	0.00	0.00	0.00	21.10	2.39
5.	22.65	22.60	10.16	10224.44	-0.00	-0.04	-3.02	-0.19	0.30	0.00	0.00	0.00	21.04	1.78
10.	23.20	23.00	19.42	10146.55	-0.01	-0.02	-3.01	0.42	0.30	0.00	0.00	0.00	21.03	1.86
15.	23.55	23.63	29.65	10117.69	-0.01	-0.02	-3.00	-0.11	0.30	0.00	0.00	0.00	21.03	1.68
20.	23.20	23.22	40.13	10204.24	-0.01	-0.01	3.00	-0.19	0.30	0.00	0.00	0.00	20.88	3.34
25.	23.17	23.40	50.37	10117.69	-0.01	-0.00	3.00	-0.27	0.30	0.00	0.00	0.00	20.66	2.84
30.	23.90	23.80	59.63	10146.55	-0.01	0.00	3.01	-0.38	0.30	0.00	0.00	0.00	20.69	2.80
35.	24.90	24.88	69.86	10175.39	-0.00	0.01	3.01	-0.46	0.30	0.00	0.00	0.00	20.62	2.63
40.	23.85	24.55	10.17	10201.36	0.00	0.03	3.04	1.36	0.30	0.00	0.00	0.00	20.56	2.76
45.	27.92	27.42	19.43	10146.55	0.00	0.05	3.06	1.00	0.30	0.00	0.00	0.00	20.50	3.34
50.	29.58	29.45	29.66	10088.85	0.01	0.06	3.09	-0.18	0.30	0.00	0.00	0.00	20.30	2.91
55.	30.85	29.77	40.15	10059.99	0.01	0.09	3.13	-0.40	0.30	0.00	0.00	0.00	20.27	4.07
60.	31.54	30.95	50.36	10117.69	0.02	0.11	3.14	-0.51	0.30	0.00	0.00	0.00	20.10	4.01
65.	35.71	36.88	59.63	9973.44	0.03	0.14	3.21	-0.66	0.30	0.00	0.00	0.00	19.75	3.47
70.	40.15	38.49	69.87	10002.30	0.04	0.17	3.25	-0.63	0.30	0.00	0.00	0.00	19.69	7.56
75.	42.49	43.61	10.17	9993.64	0.05	0.19	3.26	2.44	0.30	0.00	0.00	0.00	19.48	5.43
80.	42.07	41.76	19.44	9915.74	0.08	0.23	3.32	1.74	0.30	0.00	0.00	0.00	19.27	8.63
85.	42.34	42.00	29.66	9915.74	0.11	0.28	3.37	0.25	0.30	0.00	0.00	0.00	19.04	6.13
90.	41.85	41.27	40.14	9742.64	0.15	0.33	3.43	-0.59	0.30	0.00	0.00	0.00	18.81	9.69
95.	43.17	43.19	50.36	9684.94	0.18	0.38	3.56	-0.59	0.30	0.00	0.00	0.00	18.40	9.47
100.	45.93	44.56	59.63	9598.39	0.22	0.44	3.69	-0.72	0.30	0.00	0.00	0.00	17.99	9.49
105.	46.44	52.19	69.86	9540.69	0.26	0.49	3.87	-0.72	0.30	0.00	0.00	0.00	17.45	11.83
110.	47.78	53.15	10.18	9503.19	0.29	0.54	3.85	3.60	0.30	0.00	0.00	0.00	17.03	9.12
115.	47.51	51.78	19.44	9396.44	0.32	0.57	3.94	2.76	0.30	0.00	0.00	0.00	16.50	8.85
120.	52.22	58.90	29.66	9309.89	0.35	0.61	3.99	0.08	0.30	0.00	0.00	0.00	16.09	12.70
125.	56.00	60.36	40.15	9252.19	0.40	0.63	1.07	-0.59	0.30	0.00	0.00	0.00	15.71	9.21
130.	54.98	62.33	50.37	9107.94	0.42	0.68	1.21	-0.71	0.30	0.00	0.00	0.00	15.47	10.05
135.	58.12	61.74	59.64	9021.39	0.47	0.70	1.15	-0.71	0.30	0.00	0.00	0.00	15.22	11.67
140.	63.19	70.34	69.86	8905.99	0.49	0.75	1.32	-0.72	0.30	0.00	0.00	0.00	14.97	6.98
145.	62.55	70.90	10.17	8862.72	0.51	0.77	1.38	3.91	0.30	0.00	0.00	0.00	14.73	11.35
150.	59.88	71.54	19.44	8704.05	0.52	0.77	1.32	3.06	0.30	0.00	0.00	0.00	14.48	9.64
155.	64.14	67.14	29.66	8559.80	0.53	0.77	1.32	0.70	0.30	0.00	0.00	0.00	14.42	12.48
160.	67.29	77.86	40.14	8473.24	0.56	0.80	1.35	-0.67	0.30	0.00	0.00	0.00	14.43	10.62
165.	72.98	76.39	50.36	8300.14	0.57	0.79	1.41	-0.80	0.30	0.00	0.00	0.00	14.49	10.89
170.	72.07	79.24	59.63	8213.59	0.59	0.78	1.39	-0.85	0.30	0.00	0.00	0.00	14.37	11.71
175.	77.78	90.76	69.85	8127.05	0.58	0.79	1.43	-0.86	0.30	0.00	0.00	0.00	14.34	11.58
180.	72.95	76.76	10.17	8046.27	0.60	0.78	1.39	4.00	0.30	0.00	0.00	0.00	14.33	8.75
185.	75.15	85.38	19.43	7896.24	0.60	0.78	1.40	3.11	0.30	0.00	0.00	0.00	14.30	10.00
190.	78.05	84.07	29.65	7809.69	0.59	0.78	1.38	0.55	0.30	0.00	0.00	0.00	14.37	8.48
195.	71.68	72.95	40.13	7694.30	0.59	0.77	1.34	-0.70	0.30	0.00	0.00	0.00	14.52	15.09
200.	77.58	81.40	50.36	7636.60	0.60	0.76	1.36	-0.80	0.30	0.00	0.00	0.00	14.56	12.45
205.	79.45	77.76	59.63	7521.19	0.59	0.75	1.38	-0.94	0.30	0.00	0.00	0.00	14.63	9.66
210.	75.63	76.63	69.86	7434.64	0.60	0.75	1.34	-0.94	0.30	0.00	0.00	0.00	14.76	9.60
215.	79.02	81.76	10.17	7365.40	0.61	0.75	1.39	4.12	0.30	0.00	0.00	0.00	14.84	13.40
220.	77.90	81.24	19.44	7232.69	0.61	0.75	1.33	3.37	0.30	0.00	0.00	0.00	14.78	8.36

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	90.79	90.17	29.66	7088.44	0.64	0.75	1.35	0.88	0.00	0.00	0.00	0.00	14.89	8.91
230.	85.36	92.07	40.15	7030.74	0.63	0.74	1.41	-0.79	0.00	0.00	0.00	0.00	15.01	10.76
235.	79.21	84.26	50.37	6886.49	0.63	0.75	1.39	-0.88	0.00	0.00	0.00	0.00	15.05	12.16
240.	87.55	95.67	59.64	6742.24	0.63	0.75	1.44	-0.90	0.00	0.00	0.00	0.00	14.94	11.81
245.	81.95	86.26	69.86	6713.39	0.63	0.74	1.40	-0.97	0.00	0.00	0.00	0.00	15.00	9.01
250.	93.48	102.05	10.17	6649.93	0.64	0.72	1.36	4.18	0.00	0.00	0.00	0.00	15.18	9.74
255.	81.31	90.88	19.44	6482.60	0.63	0.73	1.37	3.12	0.00	0.00	0.00	0.00	15.06	11.19
260.	82.67	83.76	29.67	6424.89	0.63	0.71	1.31	0.86	0.00	0.00	0.00	0.00	15.07	10.44
265.	75.24	78.26	40.15	6309.49	0.63	0.72	1.38	-0.67	0.00	0.00	0.00	0.00	15.15	10.50
270.	78.34	78.19	50.37	6222.94	0.64	0.71	1.37	-0.79	0.00	0.00	0.00	0.00	15.24	14.61
275.	82.95	80.52	59.63	6136.39	0.63	0.69	1.30	-0.95	0.00	0.00	0.00	0.00	15.36	10.54
280.	80.26	80.40	69.86	6049.84	0.63	0.69	1.29	-0.94	0.00	0.00	0.00	0.00	15.45	7.34
285.	81.24	85.90	10.17	6003.68	0.63	0.69	1.35	4.05	0.00	0.00	0.00	0.00	15.53	10.37
290.	79.05	82.24	19.43	5847.89	0.63	0.70	1.37	3.10	0.00	0.00	0.00	0.00	15.47	11.75
295.	78.90	82.29	29.66	5761.35	0.63	0.69	1.35	0.66	0.00	0.00	0.00	0.00	15.59	14.97
300.	88.14	91.67	40.14	5674.80	0.63	0.69	1.32	-0.80	0.00	0.00	0.00	0.00	15.61	12.67
305.	80.88	87.59	50.36	5588.24	0.64	0.68	1.28	-0.85	0.00	0.00	0.00	0.00	15.71	7.68
310.	88.90	84.64	59.62	5530.55	0.63	0.68	1.29	-0.89	0.00	0.00	0.00	0.00	15.59	10.86
315.	81.26	83.38	69.85	5415.14	0.64	0.68	1.32	-0.87	0.00	0.00	0.00	0.00	15.70	8.39
320.	73.44	77.98	10.17	5392.06	0.63	0.68	1.37	4.14	0.00	0.00	0.00	0.00	15.71	11.64
325.	85.67	83.26	19.43	5242.05	0.63	0.67	1.27	3.29	0.00	0.00	0.00	0.00	15.71	12.53
330.	83.62	82.55	29.66	5213.19	0.62	0.66	1.25	0.18	0.00	0.00	0.00	0.00	15.75	9.66
335.	84.09	83.88	40.13	5097.80	0.63	0.67	1.28	-0.81	0.00	0.00	0.00	0.00	15.92	10.27
340.	81.48	83.71	50.35	4982.39	0.63	0.66	1.34	-0.80	0.00	0.00	0.00	0.00	15.93	11.18
345.	79.26	85.45	59.63	4924.69	0.63	0.66	1.29	-0.94	0.00	0.00	0.00	0.00	15.95	10.15
350.	88.62	85.76	69.85	4838.14	0.64	0.66	1.34	-0.95	0.00	0.00	0.00	0.00	15.92	14.58
355.	89.38	90.55	10.17	4832.38	0.63	0.66	1.26	4.07	0.00	0.00	0.00	0.00	15.96	9.67
360.	90.12	89.45	19.43	4665.05	0.64	0.64	1.25	3.24	0.00	0.00	0.00	0.00	16.00	10.45
365.	90.38	94.02	29.66	4636.19	0.64	0.64	1.29	0.81	0.00	0.00	0.00	0.00	16.03	9.95
370.	83.62	93.55	40.14	4578.49	0.64	0.64	1.27	-0.65	0.00	0.00	0.00	0.00	16.07	9.12
375.	101.41	100.46	50.36	4463.10	0.65	0.65	1.32	-0.88	0.00	0.00	0.00	0.00	16.08	12.57
380.	92.74	87.81	59.63	4405.39	0.65	0.64	1.28	-1.01	0.00	0.00	0.00	0.00	16.14	10.49
385.	102.02	95.43	69.86	4347.69	0.65	0.64	1.27	-0.91	0.00	0.00	0.00	0.00	16.13	8.30
390.	84.09	90.67	10.17	4275.57	0.65	0.65	1.36	4.02	0.00	0.00	0.00	0.00	16.12	9.43
395.	104.98	96.93	19.43	4145.74	0.65	0.65	1.33	3.06	0.00	0.00	0.00	0.00	16.12	7.40
400.	86.33	87.12	29.66	4088.05	0.66	0.64	1.27	0.74	0.00	0.00	0.00	0.00	16.07	8.94
405.	88.86	86.98	40.14	4001.49	0.66	0.63	1.34	-0.72	0.00	0.00	0.00	0.00	16.08	9.76
410.	85.36	86.07	50.37	3989.96	0.66	0.63	1.36	-0.95	0.00	0.00	0.00	0.00	16.17	10.59
415.	92.29	94.14	59.63	3920.72	0.67	0.64	1.41	-0.87	0.00	0.00	0.00	0.00	16.16	9.83
420.	92.40	89.40	69.87	3888.98	0.67	0.63	1.37	-0.99	0.00	0.00	0.00	0.00	16.17	13.05
425.	96.93	101.34	10.17	3782.24	0.69	0.63	1.35	4.03	0.00	0.00	0.00	0.00	16.22	10.09
430.	101.27	95.50	19.44	3672.61	0.67	0.63	1.27	3.22	0.00	0.00	0.00	0.00	16.18	11.59
435.	94.98	100.61	29.66	3600.48	0.68	0.63	1.32	1.15	0.00	0.00	0.00	0.00	16.20	7.68
440.	83.31	88.48	40.14	3505.27	0.71	0.63	1.33	-0.78	0.00	0.00	0.00	0.00	16.26	9.31
445.	100.17	93.02	50.38	3438.92	0.74	0.63	1.28	-0.87	0.00	0.00	0.00	0.00	16.22	9.16
450.	94.07	104.27	59.64	3366.80	0.72	0.63	1.24	-1.01	0.00	0.00	0.00	0.00	16.04	8.03
455.	104.15	105.93	69.86	3280.24	0.72	0.64	1.32	-1.09	0.00	0.00	0.00	0.00	16.10	8.56
460.	108.80	107.22	10.17	3248.51	0.73	0.63	1.29	4.23	0.00	0.00	0.00	0.00	16.17	8.50
465.	111.80	109.49	19.44	3136.00	0.73	0.63	1.26	3.14	0.00	0.00	0.00	0.00	16.20	8.80
470.	118.93	108.61	29.67	3020.60	0.73	0.63	1.36	1.38	0.00	0.00	0.00	0.00	16.20	8.71

	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	93.74	104.19	40.15	2991.75	0.72	0.63	1.37	-0.67	0.00	0.00	0.00	0.00	16.23	8.97
480.	107.27	102.85	50.37	2905.19	0.72	0.63	1.30	-0.91	0.00	0.00	0.00	0.00	16.36	8.32
485.	102.56	100.56	59.64	2847.50	0.72	0.63	1.34	-0.92	0.00	0.00	0.00	0.00	16.30	10.32
490.	108.17	102.27	69.86	2789.79	0.70	0.63	1.36	-0.90	0.00	0.00	0.00	0.00	16.28	7.52
495.	105.95	103.07	10.18	2766.72	0.70	0.62	1.25	4.04	0.00	0.00	0.00	0.00	16.37	11.14
500.	101.58	104.68	19.45	2703.25	0.69	0.60	1.21	3.23	0.00	0.00	0.00	0.00	16.36	8.97
505.	92.48	93.14	29.68	2671.51	0.69	0.60	1.29	0.80	0.00	0.00	0.00	0.00	16.47	9.73
510.	90.93	103.61	40.16	2599.38	0.68	0.59	1.25	-0.71	0.00	0.00	0.00	0.00	16.52	8.57
515.	106.17	102.95	50.37	2524.37	0.66	0.58	1.13	-0.81	0.00	0.00	0.00	0.00	16.61	9.70
520.	110.56	108.00	59.63	2463.79	0.64	0.57	1.10	-0.96	0.00	0.00	0.00	0.00	16.67	11.93
525.	104.37	101.29	69.86	2388.78	0.64	0.57	1.20	-0.93	0.00	0.00	0.00	0.00	16.72	8.54
530.	93.40	103.37	10.17	2357.05	0.63	0.55	1.14	3.89	0.00	0.00	0.00	0.00	16.78	8.26
535.	88.62	94.12	19.44	2293.57	0.61	0.55	1.07	3.02	0.00	0.00	0.00	0.00	16.89	8.49
540.	108.19	102.34	29.66	2270.50	0.62	0.54	1.08	1.22	0.00	0.00	0.00	0.00	17.00	7.44
545.	87.67	95.17	40.14	2195.49	0.61	0.54	1.11	-0.70	0.00	0.00	0.00	0.00	17.05	7.70
550.	87.88	88.93	50.37	2157.98	0.60	0.53	1.02	-0.84	0.00	0.00	0.00	0.00	17.14	8.34
555.	93.40	90.02	59.62	2117.59	0.60	0.53	1.06	-0.97	0.00	0.00	0.00	0.00	17.14	8.48
560.	95.74	95.59	69.85	2074.32	0.60	0.53	1.10	-0.86	0.00	0.00	0.00	0.00	17.22	9.71
565.	102.46	101.51	10.17	2005.08	0.59	0.52	1.09	3.76	0.00	0.00	0.00	0.00	17.21	9.54
570.	106.39	108.17	19.44	1982.00	0.58	0.53	1.09	2.91	0.00	0.00	0.00	0.00	17.28	12.13
575.	95.79	94.86	29.66	1944.49	0.57	0.51	1.05	0.94	0.00	0.00	0.00	0.00	17.34	6.32
580.	102.34	104.32	40.14	2140.67	0.55	0.50	1.03	-0.64	0.00	0.00	0.00	0.00	17.38	6.49
585.	100.10	97.38	50.36	1647.33	0.50	0.49	1.00	-0.90	0.00	0.00	0.00	0.00	17.49	11.75
590.	106.46	97.36	59.64	1592.52	0.47	0.48	0.92	-0.97	0.00	0.00	0.00	0.00	17.53	8.42
595.	110.29	115.73	69.85	1595.41	0.47	0.47	0.90	-0.90	0.00	0.00	0.00	0.00	17.51	8.22
600.	106.44	112.10	10.17	1543.48	0.45	0.46	0.90	3.57	0.00	0.00	0.00	0.00	17.64	8.01
605.	126.32	115.63	19.43	1546.36	0.44	0.45	0.81	2.67	0.00	0.00	0.00	0.00	17.69	7.74
610.	113.95	111.17	29.66	1491.55	0.42	0.43	0.76	0.33	0.00	0.00	0.00	0.00	17.80	7.38
615.	104.02	120.17	40.13	1454.04	0.41	0.42	0.75	-0.72	0.00	0.00	0.00	0.00	17.94	10.83
620.	115.32	111.78	50.36	1419.42	0.42	0.42	0.80	-0.92	0.00	0.00	0.00	0.00	18.05	8.25
625.	101.85	105.49	59.63	1396.34	0.41	0.41	0.74	-0.97	0.00	0.00	0.00	0.00	18.10	8.53
630.	103.85	105.63	69.85	1422.30	0.39	0.40	0.71	-0.90	0.00	0.00	0.00	0.00	18.18	6.99
635.	107.90	107.22	10.17	1373.26	0.38	0.39	0.69	3.38	0.00	0.00	0.00	0.00	18.24	5.94
640.	96.48	105.68	19.43	1315.56	0.37	0.38	0.70	2.47	0.00	0.00	0.00	0.00	18.31	5.64
645.	97.24	97.21	29.65	1318.45	0.37	0.37	0.70	0.87	0.00	0.00	0.00	0.00	18.40	8.38
650.	92.67	94.59	40.14	1269.40	0.37	0.36	0.65	-0.65	0.00	0.00	0.00	0.00	18.44	7.84
655.	107.56	105.19	50.36	1252.09	0.35	0.36	0.63	-0.81	0.00	0.00	0.00	0.00	18.49	8.32
660.	100.49	109.41	59.63	1078.99	0.35	0.35	0.61	-0.99	0.00	0.00	0.00	0.00	18.53	9.14
665.	118.39	108.27	69.86	1081.87	0.32	0.34	0.57	-0.97	0.00	0.00	0.00	0.00	18.59	7.20
670.	101.66	106.05	10.17	1055.91	0.33	0.32	0.59	3.20	0.00	0.00	0.00	0.00	18.67	7.38
675.	124.54	116.15	19.43	1015.52	0.32	0.31	0.54	2.34	0.00	0.00	0.00	0.00	18.76	5.99
680.	116.85	118.54	29.66	992.44	0.31	0.31	0.57	0.58	0.00	0.00	0.00	0.00	18.85	5.25
685.	113.49	110.78	40.13	1024.18	0.31	0.30	0.55	-0.57	0.00	0.00	0.00	0.00	18.95	5.44
690.	118.63	110.93	50.35	995.33	0.30	0.29	0.53	-0.83	0.00	0.00	0.00	0.00	18.88	5.55
695.	100.76	103.32	59.62	966.47	0.30	0.29	0.53	-0.96	0.00	0.00	0.00	0.00	18.98	5.96
700.	106.07	106.00	69.85	934.74	0.29	0.29	0.52	-0.99	0.00	0.00	0.00	0.00	19.00	5.73
705.	96.88	100.76	10.17	960.71	0.29	0.28	0.47	2.98	0.00	0.00	0.00	0.00	19.01	5.20
710.	100.95	103.71	19.43	928.97	0.28	0.28	0.48	2.19	0.00	0.00	0.00	0.00	18.90	6.19
715.	102.88	95.69	29.65	905.89	0.28	0.27	0.47	-0.41	0.00	0.00	0.00	0.00	19.02	4.55
720.	88.40	90.31	40.13	885.70	0.28	0.27	0.51	-0.54	0.00	0.00	0.00	0.00	19.04	5.04

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	95.95	92.71	50.35	885.70	0.27	0.27	3.48	-0.80	0.30	0.00	0.00	0.00	19.07	3.93
730.	86.57	91.31	59.62	865.50	0.27	0.26	3.44	-0.91	0.30	0.00	0.00	0.00	19.11	4.58
735.	94.05	93.36	69.85	833.77	0.26	0.26	3.49	-0.86	0.30	0.00	0.00	0.00	19.11	5.01
740.	88.17	88.24	10.16	816.45	0.27	0.25	3.44	2.81	0.30	0.00	0.00	0.00	19.13	8.72
745.	100.37	95.79	19.43	836.65	0.26	0.25	3.43	2.08	0.30	0.00	0.00	0.00	19.15	7.82
750.	84.14	90.64	29.66	807.80	0.26	0.24	3.43	0.43	0.30	0.00	0.00	0.00	19.15	5.64
755.	94.74	93.07	40.14	761.64	0.26	0.24	3.39	-0.54	0.30	0.00	0.00	0.00	19.18	6.86
760.	96.31	91.09	50.36	781.84	0.25	0.23	3.40	-0.81	0.30	0.00	0.00	0.00	19.20	5.53
765.	88.64	84.43	59.62	764.53	0.24	0.23	3.40	-0.90	0.30	0.00	0.00	0.00	19.24	7.23
770.	85.59	81.57	69.85	735.67	0.24	0.23	3.41	-0.87	0.30	0.00	0.00	0.00	19.29	4.95
775.	74.05	76.80	10.17	732.79	0.24	0.22	3.42	2.74	0.30	0.00	0.00	0.00	19.33	3.81
780.	81.29	83.02	19.43	727.02	0.25	0.22	3.42	1.95	0.30	0.00	0.00	0.00	19.32	6.19
785.	78.66	82.88	29.65	727.02	0.24	0.22	3.41	0.43	0.30	0.00	0.00	0.00	19.32	2.81
790.	78.48	77.90	40.13	706.83	0.24	0.22	3.36	-0.59	0.30	0.00	0.00	0.00	19.33	5.69
795.	81.19	80.40	50.35	715.48	0.23	0.22	3.37	-0.83	0.30	0.00	0.00	0.00	19.34	4.56
800.	75.02	73.58	59.61	692.40	0.23	0.21	3.41	-0.91	0.30	0.00	0.00	0.00	19.24	5.28
805.	76.02	76.39	69.85	698.17	0.23	0.21	3.36	-0.89	0.30	0.00	0.00	0.00	19.34	2.43
810.	72.05	76.29	10.16	663.55	0.25	0.21	3.34	2.48	0.30	0.00	0.00	0.00	19.35	6.74
815.	79.17	78.83	19.43	637.59	0.24	0.22	3.34	1.88	0.30	0.00	0.00	0.00	19.33	2.89
820.	74.80	74.34	29.66	646.24	0.24	0.21	3.38	0.53	0.30	0.00	0.00	0.00	19.35	3.14
825.	73.10	74.71	40.14	588.54	0.19	0.21	3.35	-0.59	0.30	0.00	0.00	0.00	19.37	5.42
830.	80.31	84.88	50.36	553.92	0.19	0.22	3.33	-0.71	0.30	0.00	0.00	0.00	19.38	5.14
835.	89.57	88.40	59.63	562.58	0.19	0.22	3.32	-0.87	0.30	0.00	0.00	0.00	19.38	6.02

TIME	42	43	44	45	46	47	48
0.	-0.43	0.97	-0.83	-0.12	-0.14	0.00	0.00
0.	-0.15	-0.12	0.01	0.70	-0.53	0.00	0.00
0.	0.54	-0.72	1.03	-1.00	2.37	0.00	0.00
0.	1.96	-0.98	0.61	-1.42	-0.01	0.00	0.00
0.	-0.25	0.14	-0.69	0.71	-0.62	0.00	0.00
0.	-1.66	0.70	-0.13	1.14	-1.07	0.00	0.00
5.	0.03	0.79	-0.67	-2.75	0.37	0.00	5.00
10.	0.25	0.96	-0.80	0.01	0.64	0.00	10.00
15.	0.95	0.11	-0.72	-0.12	-0.36	0.00	15.00
20.	-0.71	1.05	-1.06	0.75	0.03	0.02	20.00
25.	0.84	-0.50	0.99	-0.90	1.15	0.03	25.00
30.	0.76	0.23	-0.15	0.26	-0.49	0.04	30.00
35.	1.49	0.34	-0.70	0.73	-0.11	0.06	35.00
40.	1.70	-0.95	1.04	-1.59	0.92	0.08	40.00
45.	2.26	-0.19	0.71	-0.03	-0.43	0.10	45.00
50.	3.88	-0.54	0.15	-0.35	0.95	0.16	50.00
55.	1.67	0.66	0.65	0.73	-1.26	0.26	55.00
60.	6.67	0.14	-0.57	-0.30	0.88	0.40	60.00
65.	3.75	-0.51	1.72	-1.62	0.38	0.54	65.00
70.	6.53	0.03	0.26	-1.19	-0.75	0.79	70.00
75.	2.35	0.26	1.07	-1.64	0.92	0.97	75.00
80.	3.15	0.00	0.06	1.25	-0.88	1.25	80.00
85.	2.09	2.32	-0.91	-2.66	0.67	1.51	85.00
90.	2.68	-0.28	0.52	1.50	-1.33	1.78	90.00
95.	1.67	0.14	0.94	0.20	1.73	2.40	95.00
100.	4.19	0.56	-0.74	0.40	-2.52	2.90	100.00
105.	3.38	3.09	-0.47	-1.08	0.18	3.44	105.00
110.	2.47	2.05	2.04	-2.84	0.27	4.12	110.00
115.	6.90	-0.23	2.01	-2.56	-0.13	4.81	115.00
120.	6.26	-1.14	0.16	2.84	-1.91	5.27	120.00
125.	6.97	-0.23	1.26	-1.36	-1.42	5.75	125.00
130.	6.61	-0.44	2.22	0.28	-2.21	5.98	130.00
135.	6.23	0.22	2.27	-0.87	-0.18	6.36	135.00
140.	6.63	2.93	-2.71	-2.18	-1.11	6.61	140.00
145.	4.23	2.22	0.98	2.81	-3.14	6.98	145.00
150.	6.49	4.81	0.50	-2.96	0.82	6.99	150.00
155.	5.43	2.70	1.04	0.69	-0.69	7.01	155.00
160.	6.15	1.89	-0.94	1.65	-0.30	7.08	160.00
165.	6.52	1.67	0.47	1.15	0.58	6.97	165.00
170.	5.11	3.38	-0.23	0.16	-2.81	7.11	170.00
175.	6.66	0.79	-0.08	-3.87	4.80	7.24	175.00
180.	7.23	0.12	-0.91	-2.68	1.66	7.15	180.00
185.	7.37	-0.10	0.46	0.96	-2.79	7.20	185.00
190.	7.18	2.40	2.33	-2.46	-0.02	6.93	190.00
195.	6.16	-2.70	2.94	-1.27	1.69	7.03	195.00
200.	5.37	2.53	2.44	-2.80	-1.21	6.73	200.00
205.	6.33	1.71	1.34	-2.88	1.08	6.61	205.00
210.	7.60	0.14	1.38	-3.50	-0.43	6.64	210.00
215.	6.02	2.88	-0.84	-1.10	0.50	6.56	215.00
220.	7.48	4.38	-0.77	-1.55	0.50	6.56	220.00

TIME	42	43	44	45	46	47	48
225.	6.39	1.92	1.64	-2.69	0.90	6.48	225.00
230.	6.16	0.35	1.52	-0.09	-2.65	6.44	230.00
235.	6.16	1.24	-0.26	-0.34	-1.56	6.38	235.00
240.	4.00	3.69	-0.85	-2.72	-2.52	6.36	240.00
245.	7.21	1.37	1.08	-1.77	1.51	6.10	245.00
250.	10.87	-2.70	1.58	-2.23	0.86	6.15	250.00
255.	4.11	2.38	0.57	-0.83	0.80	6.20	255.00
260.	6.61	2.58	2.79	-2.72	0.42	6.18	260.00
265.	7.21	-0.44	0.13	-1.16	-1.52	6.01	265.00
270.	4.60	2.33	1.78	-3.89	2.69	5.84	270.00
275.	7.63	0.95	-0.41	-1.17	-0.30	5.76	275.00
280.	6.67	1.84	1.05	-2.76	0.98	5.61	280.00
285.	5.13	3.73	0.14	-0.07	0.18	5.80	285.00
290.	5.17	1.70	0.28	0.01	-2.79	5.74	290.00
295.	3.91	4.26	-2.19	-0.07	0.69	5.57	295.00
300.	5.62	0.14	0.38	-1.11	-1.02	5.63	300.00
305.	7.60	0.08	0.10	-1.79	-2.49	5.46	305.00
310.	5.87	2.26	0.93	-0.09	-1.27	5.75	310.00
315.	7.73	-0.72	2.58	-1.17	-0.65	5.46	315.00
320.	6.78	3.43	-1.02	-2.58	-1.72	5.53	320.00
325.	5.33	1.65	0.88	-1.06	0.31	5.39	325.00
330.	5.84	1.42	1.14	-1.82	-1.05	5.15	330.00
335.	5.04	2.20	-0.16	-0.85	0.29	5.16	335.00
340.	5.49	0.18	3.22	-1.80	-0.21	5.27	340.00
345.	7.20	0.09	0.93	-1.29	-1.72	5.13	345.00
350.	6.53	-0.28	1.17	-1.58	1.06	5.30	350.00
355.	6.81	1.63	-0.79	-1.37	-0.62	5.16	355.00
360.	6.24	-1.17	1.62	-1.55	0.60	5.09	360.00
365.	3.83	3.36	-1.11	0.10	-0.17	5.03	365.00
370.	7.65	1.79	0.31	-1.61	-0.10	5.09	370.00
375.	6.69	3.21	-1.15	-0.13	-1.46	4.95	375.00
380.	6.13	0.80	1.84	-2.72	2.31	4.87	380.00
385.	6.55	1.64	0.92	-1.79	-0.24	4.92	385.00
390.	6.89	0.88	-0.82	0.31	1.03	4.95	390.00
395.	9.02	-0.34	1.46	-1.34	-1.20	4.97	395.00
400.	5.40	1.30	0.74	-2.08	0.05	5.09	400.00
405.	5.64	2.98	-1.28	0.95	-0.18	5.00	405.00
410.	6.17	0.09	0.59	-0.74	-0.21	4.80	410.00
415.	6.75	0.70	1.30	-1.16	1.64	4.91	415.00
420.	3.39	4.81	-1.51	-0.88	0.77	4.87	420.00
425.	3.93	3.99	-0.56	0.10	-2.89	4.86	425.00
430.	4.48	3.47	-1.96	-2.92	-2.52	4.87	430.00
435.	6.44	-0.54	2.76	-3.62	0.28	4.82	435.00
440.	5.74	1.23	1.38	-0.92	0.77	4.76	440.00
445.	5.51	3.18	-0.88	-1.22	-0.84	4.86	445.00
450.	6.85	0.88	1.00	-1.65	-2.55	4.94	450.00
455.	6.18	1.08	1.14	-2.22	-1.81	4.81	455.00
460.	7.07	0.62	1.85	-0.82	-1.33	4.92	460.00
465.	5.26	3.28	-0.96	-0.31	-1.98	4.78	465.00
470.	6.06	2.74	-1.18	-1.85	0.58	4.92	470.00

TIME	42	43	44	45	46	47	48
475.	6.70	0.92	1.50	-1.95	-3.16	4.69	475.00
480.	7.82	2.13	0.02	-1.09	-1.37	4.52	480.00
485.	5.65	0.34	3.20	-2.66	2.45	4.75	485.00
490.	6.76	1.81	0.43	-2.42	-1.46	4.62	490.00
495.	4.24	3.83	0.30	-0.30	-1.95	4.64	495.00
500.	5.62	1.92	1.25	-1.06	-0.08	4.53	500.00
505.	4.40	3.75	-0.98	-0.56	0.67	4.43	505.00
510.	5.54	2.06	0.11	-1.95	-0.88	4.23	510.00
515.	5.19	1.05	1.52	-1.31	0.31	4.21	515.00
520.	3.42	3.81	-0.41	-0.74	0.73	4.17	520.00
525.	5.45	1.47	0.50	-1.55	0.64	4.02	525.00
530.	7.00	-1.65	2.11	-1.29	-2.21	4.02	530.00
535.	5.57	2.52	-0.16	-1.68	-0.94	3.81	535.00
540.	6.65	1.40	1.14	-1.84	-1.81	3.69	540.00
545.	7.47	-0.14	1.04	-1.42	1.48	3.67	545.00
550.	5.69	1.03	0.65	-0.53	-1.20	3.62	550.00
555.	6.47	0.78	0.46	-2.16	-1.55	3.60	555.00
560.	3.88	2.63	-0.89	-2.13	-2.00	3.50	560.00
565.	5.25	1.75	-0.63	-2.26	-4.43	3.28	565.00
570.	2.10	3.37	-1.31	0.57	-1.55	3.44	570.00
575.	6.14	1.45	0.85	-1.24	-1.23	3.34	575.00
580.	6.89	0.03	1.62	-1.03	0.18	3.34	580.00
585.	3.97	0.84	0.58	1.37	-3.01	3.15	585.00
590.	5.09	2.37	0.05	0.56	-0.91	3.16	590.00
595.	4.16	1.59	1.09	-1.32	-0.60	3.07	595.00
600.	5.08	0.87	2.53	-2.60	2.18	2.95	600.00
605.	4.65	1.30	0.76	-1.21	-0.97	2.89	605.00
610.	4.88	1.63	-0.81	0.21	-2.33	2.75	610.00
615.	2.74	3.40	-1.11	-0.39	0.05	2.58	615.00
620.	4.64	0.43	1.80	-0.28	0.40	2.50	620.00
625.	5.14	1.24	0.53	-2.43	-0.76	2.47	625.00
630.	5.87	-0.22	1.90	-2.65	1.11	2.26	630.00
635.	6.26	0.36	0.43	-1.04	-0.76	2.30	635.00
640.	5.12	-0.18	2.11	-3.24	1.38	2.15	640.00
645.	3.59	2.63	-0.63	0.15	-0.76	2.04	645.00
650.	3.57	2.31	-0.11	-1.41	-0.10	2.07	650.00
655.	4.22	1.24	-0.10	-1.35	-0.94	2.01	655.00
660.	1.20	4.58	-2.06	-0.14	-1.59	1.93	660.00
665.	2.76	2.12	-0.27	-0.21	-2.62	1.84	665.00
670.	3.90	2.16	0.11	-1.03	-0.49	1.75	670.00
675.	4.54	-0.24	1.97	-2.35	1.08	1.65	675.00
680.	5.12	-0.25	2.02	-1.93	-0.40	1.52	680.00
685.	5.56	0.84	0.57	-1.47	-1.55	1.41	685.00
690.	3.96	1.17	0.62	-1.90	-0.85	1.42	690.00
695.	4.59	1.17	-0.13	-1.28	-0.28	1.40	695.00
700.	4.93	0.73	0.36	-1.45	-1.11	1.40	700.00
705.	4.47	0.39	0.12	-0.56	-0.91	1.41	705.00
710.	3.05	3.24	-1.98	-2.85	-1.84	1.40	710.00
715.	4.96	1.04	0.91	-1.92	2.18	1.38	715.00
720.	3.58	1.67	0.37	-1.26	-0.57	1.33	720.00

PRC11-W-3-1/2

TIME	42	43	44	45	46	47	48
725.	5.33	-0.90	2.09	-2.45	-1.15	1.34	725.00
730.	3.74	1.11	0.69	-1.50	-0.69	1.30	730.00
735.	3.49	2.74	-0.97	-1.70	0.16	1.28	735.00
740.	3.38	4.08	-1.86	-0.12	-0.88	1.24	740.00
745.	1.56	2.39	-1.27	0.82	-3.04	1.23	745.00
750.	6.39	1.56	-0.09	-1.45	-0.43	1.21	750.00
755.	1.78	1.66	0.37	-0.10	-0.82	1.19	755.00
760.	3.36	0.08	0.75	-0.39	-1.55	1.16	760.00
765.	1.69	2.08	-0.55	0.00	-0.57	1.09	765.00
770.	2.25	2.45	-0.61	-0.12	-1.18	1.04	770.00
775.	4.56	-1.40	2.06	-2.31	-0.13	1.03	775.00
780.	6.03	1.30	0.63	-1.50	-0.94	1.02	780.00
785.	5.28	-0.99	1.56	-1.95	-0.23	0.99	785.00
790.	1.60	1.48	0.49	-0.71	0.71	1.00	790.00
795.	4.15	-0.66	1.24	-1.44	-0.39	1.00	795.00
800.	2.34	1.03	0.67	-1.69	-0.63	0.99	800.00
805.	4.20	-0.61	2.19	-3.01	0.89	0.99	805.00
810.	0.85	2.33	-0.06	-0.29	-0.40	0.97	810.00
815.	4.05	0.76	0.33	-0.77	0.77	0.98	815.00
820.	5.03	-0.92	1.64	-2.33	0.96	0.94	820.00
825.	2.32	1.02	0.08	-0.17	-0.10	0.93	825.00
830.	2.12	0.88	1.08	-1.56	1.64	0.93	830.00
835.	2.01	1.54	-0.46	-0.13	-1.71	0.91	835.00

PRC15-W-4-1/2 PAGE 1

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	25.02	24.20	23.35	22.63	22.30	22.12	22.20	25.25	25.72	25.63	25.42	25.13	24.95	24.80
0.	24.95	24.30	23.20	22.88	22.50	22.20	22.22	25.30	25.75	25.60	25.47	25.07	24.92	24.63
0.	25.13	24.25	23.35	22.72	22.50	22.17	22.17	25.38	25.77	25.60	25.42	25.13	24.97	24.63
0.	25.07	24.22	23.40	22.60	22.80	22.07	22.35	25.40	25.80	25.60	25.45	25.15	24.97	24.67
0.	24.47	23.42	22.97	22.55	23.02	21.95	22.12	25.35	25.80	25.65	25.47	25.17	24.90	24.65
0.	24.38	22.75	23.27	22.67	22.95	22.00	22.10	25.27	25.77	25.67	25.47	25.27	24.08	24.67
5.	58.39	52.54	35.41	23.17	22.95	23.05	22.72	35.08	62.55	54.10	56.56	57.44	56.41	53.58
10.	66.69	59.02	37.78	23.15	22.80	23.05	22.60	38.85	73.17	61.38	63.74	65.05	64.90	61.14
15.	77.67	74.78	33.56	23.30	22.88	22.72	22.30	43.51	86.48	79.32	76.22	75.66	76.03	71.76
20.	95.12	83.98	37.49	23.37	22.70	22.60	22.30	48.12	100.66	84.71	84.52	88.98	90.64	82.17
25.	110.07	102.61	31.80	23.75	22.75	22.92	22.60	56.73	118.05	116.46	120.37	125.39	115.56	105.17
30.	144.07	122.15	54.37	23.10	22.77	22.30	22.10	64.38	155.35	141.35	147.20	153.20	145.65	139.22
35.	171.35	155.57	72.61	23.00	22.92	22.40	22.05	75.19	181.77	171.92	179.10	182.70	177.67	165.38
40.	197.50	177.20	78.05	23.13	22.75	22.32	22.07	89.21	227.27	201.55	217.60	216.30	192.00	177.75
45.	219.90	201.65	91.00	23.17	23.30	22.65	22.12	101.07	240.24	228.67	229.17	233.32	230.27	213.97
50.	239.90	200.52	77.71	23.47	22.90	22.80	22.02	108.34	259.41	245.34	248.07	248.76	240.58	232.15
55.	257.29	248.02	82.14	23.60	22.52	22.38	22.17	122.27	279.58	254.12	257.93	258.37	254.61	244.85
60.	281.22	262.37	108.15	23.90	22.65	22.32	22.25	134.67	294.21	274.83	274.83	278.88	269.93	254.78
65.	302.41	273.93	96.31	25.70	22.82	22.60	22.30	148.50	311.24	297.19	306.19	291.67	288.29	274.56
70.	307.56	286.51	94.17	25.22	23.17	22.90	22.38	156.38	321.14	310.55	321.02	319.79	316.95	291.21
75.	327.48	311.95	93.00	25.22	23.00	22.92	22.67	176.40	355.02	326.90	338.71	322.50	309.34	306.41
80.	344.88	290.88	129.71	25.65	23.85	23.32	23.05	187.27	367.09	344.86	344.69	342.29	343.76	321.02
85.	343.21	329.86	155.15	26.15	23.75	23.47	23.10	195.15	386.52	365.17	369.81	366.65	365.81	347.31
90.	369.29	341.02	179.42	26.40	24.60	23.20	22.82	222.12	398.71	364.74	388.48	381.33	367.98	342.90
95.	369.60	340.55	161.20	29.58	24.00	23.37	23.17	232.95	389.71	369.84	387.98	388.12	382.76	362.60
100.	384.76	366.19	124.80	31.46	23.80	23.50	23.15	244.61	409.07	396.31	409.02	404.21	399.64	388.83
105.	393.33	355.45	126.68	29.32	24.60	23.57	23.00	248.71	402.67	405.43	403.07	406.58	403.43	390.62
110.	389.72	370.42	111.68	28.52	24.85	23.70	23.63	261.95	427.59	405.49	403.00	402.26	390.05	370.63
115.	389.52	385.00	201.71	28.65	24.50	23.17	23.13	264.37	410.42	410.29	409.39	421.19	400.95	401.38
120.	397.38	367.44	218.25	36.02	24.52	23.35	23.05	275.32	432.64	408.67	425.31	422.02	401.46	404.50
125.	410.24	371.16	185.80	29.88	24.65	24.13	23.55	280.02	405.38	422.48	433.67	435.24	407.58	406.25
130.	401.43	385.00	270.05	30.51	24.55	24.10	23.52	291.68	433.16	425.24	434.90	438.02	439.79	428.55
135.	402.56	393.33	297.66	38.12	24.32	23.97	23.40	302.90	432.53	434.62	431.51	440.17	431.52	424.62
140.	395.24	386.19	196.50	35.61	24.25	23.77	23.55	306.73	438.98	424.62	426.98	422.07	401.30	407.02
145.	409.76	362.79	248.07	34.66	23.97	23.52	23.27	312.12	437.93	425.26	431.45	437.38	434.74	409.93
150.	402.09	396.19	200.34	32.76	24.02	23.95	23.42	313.40	440.69	437.24	431.37	432.16	422.98	405.42
155.	408.57	403.81	266.37	30.80	25.00	24.05	23.45	316.36	439.81	436.14	430.60	440.17	433.07	430.36
160.	402.09	370.00	233.07	31.56	24.27	23.47	23.07	315.17	439.28	452.83	456.43	434.19	424.52	420.95
165.	425.24	398.09	260.95	49.12	24.27	23.67	23.22	326.62	431.21	440.17	435.98	436.63	438.40	426.59
170.	404.65	406.19	228.19	41.10	24.35	23.75	23.57	320.09	438.72	431.00	435.72	432.44	432.28	435.31
175.	406.28	405.24	214.47	41.41	24.17	23.95	23.55	324.14	436.70	433.44	432.60	434.14	433.09	437.24
180.	420.95	400.95	198.90	47.34	29.42	23.72	23.63	325.81	433.32	431.79	439.59	434.93	407.02	429.07
185.	421.90	404.76	175.13	44.24	24.50	23.45	23.37	341.02	436.12	432.00	439.53	437.86	436.12	431.69
190.	405.95	390.00	181.92	43.05	27.88	23.77	23.72	343.83	432.74	439.63	451.69	454.28	436.74	459.28
195.	422.62	392.14	162.85	61.36	25.32	23.85	23.37	345.34	440.67	432.14	438.19	439.81	434.05	440.71
200.	424.05	402.86	198.88	40.02	24.67	23.52	23.50	344.07	435.74	435.70	439.05	439.56	437.77	435.65
205.	424.29	397.38	166.52	34.37	24.57	23.57	22.95	345.49	436.45	432.77	439.00	431.07	433.43	436.36
210.	410.46	406.43	205.66	32.51	24.70	24.02	23.30	341.38	434.91	434.32	435.28	437.35	431.55	425.98
215.	410.23	401.43	161.07	37.93	24.22	23.90	23.72	345.83	454.55	434.14	433.93	435.42	430.48	431.67
220.	402.56	367.21	190.95	46.61	25.57	23.97	24.13	349.19	436.70	437.74	434.21	432.98	429.93	421.48

PRC15-W-4-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	402.79	383.81	192.35	44.17	24.65	23.67	23.65	348.98	438.64	430.60	433.21	440.39	436.02	439.19
230.	406.74	401.43	252.34	40.24	24.55	23.57	23.57	350.88	432.84	431.23	435.95	434.77	431.46	437.36
235.	407.21	404.19	238.73	36.15	23.92	23.55	23.17	351.50	439.21	435.86	435.70	435.46	433.88	436.05
240.	421.90	398.33	182.25	33.98	25.32	23.65	23.75	353.62	440.32	439.65	453.09	453.81	452.62	437.21
245.	410.23	406.67	244.05	32.34	24.50	23.70	23.37	356.40	437.05	436.21	435.56	435.91	437.74	435.45
250.	405.35	396.90	202.77	36.61	24.27	23.72	23.75	351.71	430.74	439.86	435.53	436.86	436.81	432.40
255.	403.72	403.57	259.46	31.15	24.10	23.77	24.02	359.40	438.74	435.28	434.81	452.59	437.60	438.40
260.	422.14	401.90	232.32	35.93	25.00	24.10	23.47	353.64	437.57	437.00	431.02	432.23	433.19	434.88
265.	405.24	388.57	172.60	36.66	24.77	23.82	23.60	352.09	435.19	432.07	439.46	454.05	431.16	434.19
270.	423.09	393.57	215.77	38.41	24.42	23.90	23.57	361.00	436.33	431.84	432.91	434.67	428.62	424.64
275.	408.37	400.71	278.19	36.58	25.25	24.02	23.77	357.93	440.69	431.74	434.14	440.09	440.67	438.95
280.	410.00	400.00	222.32	34.68	24.47	23.87	23.55	361.00	431.00	439.79	433.81	437.42	436.57	438.20
285.	404.42	390.71	162.88	31.63	24.35	23.87	23.67	364.26	432.05	437.56	440.12	114.76	432.56	433.26
290.	403.57	388.81	254.88	36.05	24.77	24.50	23.92	363.38	440.71	432.05	434.98	438.07	431.86	426.69
295.	401.86	387.86	255.80	34.66	25.40	24.47	23.77	362.83	430.65	437.67	438.02	440.26	433.59	432.05
300.	402.79	384.52	216.47	33.61	26.63	25.07	24.22	367.45	435.17	438.21	439.93	431.65	431.88	432.52
305.	402.32	389.28	244.05	34.78	24.40	23.87	23.60	360.50	437.79	440.17	439.93	438.31	409.79	408.95
310.	421.19	391.43	187.47	46.78	24.67	23.95	23.55	363.21	437.88	439.38	430.88	434.19	440.36	438.21
315.	420.95	390.48	249.22	36.68	25.00	23.92	23.65	362.81	433.74	433.30	431.81	438.67	439.19	438.00
320.	406.67	389.28	295.66	32.88	26.13	24.82	23.40	362.24	435.26	433.32	432.00	431.37	432.19	438.52
325.	406.67	396.43	260.41	32.27	24.55	24.00	24.05	366.59	430.60	440.50	434.58	436.70	437.62	423.14
330.	408.09	404.29	182.90	34.49	24.50	23.80	23.55	365.62	455.24	437.38	439.05	438.33	428.33	427.62
335.	408.33	397.38	276.32	40.98	24.70	24.10	23.95	365.17	432.42	437.57	432.84	439.07	427.31	431.14
340.	401.86	409.05	273.00	33.02	24.35	24.45	23.92	367.93	431.26	435.91	437.07	439.09	440.50	440.26
345.	402.32	401.67	269.80	31.93	25.05	24.50	23.80	364.79	431.16	434.55	437.59	434.93	436.48	431.00
350.	403.26	394.05	158.38	33.19	25.38	23.82	23.95	363.93	435.33	431.57	435.50	438.67	433.55	428.55
355.	405.58	404.29	205.61	33.80	25.67	25.35	23.85	368.79	438.33	439.67	431.44	440.48	424.05	425.29
360.	402.09	400.71	158.40	34.34	24.88	24.17	23.87	368.12	437.52	435.09	438.62	431.14	430.64	432.31
365.	408.09	394.29	269.76	33.78	24.92	24.30	23.72	367.62	433.76	437.90	430.86	438.12	423.31	426.20
370.	405.71	398.57	181.88	34.95	26.02	24.27	23.92	364.09	437.67	436.69	440.45	432.19	435.67	431.26
375.	402.38	395.71	229.72	33.80	25.25	24.47	24.30	369.55	435.36	437.81	433.02	432.84	433.26	430.09
380.	405.71	390.71	274.12	31.56	24.90	23.92	23.97	367.19	430.78	439.40	438.17	439.62	410.70	427.81
385.	399.28	393.57	218.60	31.98	25.82	24.50	24.10	369.12	434.88	436.93	434.81	434.67	422.93	421.95
390.	404.29	392.86	249.05	33.83	25.13	24.80	23.72	365.77	435.45	438.67	438.64	440.40	433.33	426.76
395.	402.09	398.57	244.44	33.02	26.13	24.38	23.90	369.02	432.93	438.02	435.71	435.69	431.00	432.00
400.	405.24	371.16	228.39	33.12	26.25	24.50	24.02	365.52	432.12	432.81	437.55	440.26	432.78	429.55
405.	403.09	394.05	236.58	33.51	25.60	24.57	23.87	370.17	436.93	436.38	439.14	430.79	430.38	433.33
410.	403.26	400.95	203.80	32.51	26.22	24.55	24.20	362.98	436.69	435.55	437.48	438.55	425.09	427.83
415.	409.52	392.38	229.19	32.24	25.13	24.38	23.77	366.40	428.43	432.74	435.19	436.67	425.55	410.39
420.	404.05	400.71	229.22	32.32	24.77	24.42	24.30	365.71	432.02	427.74	428.33	431.83	426.24	410.79
425.	399.52	392.62	227.05	35.93	29.62	24.90	24.22	365.71	434.64	433.95	434.40	438.68	425.21	422.02
430.	399.28	387.14	234.32	35.39	28.05	24.30	24.27	366.36	437.74	435.74	434.95	436.83	425.09	410.63
435.	400.48	391.19	222.80	32.80	24.10	24.07	24.07	364.19	425.88	428.17	428.50	429.88	409.30	405.88
440.	397.86	382.62	187.02	34.93	25.27	23.97	23.52	366.48	423.52	424.24	428.59	432.81	422.74	410.45
445.	396.43	393.81	216.35	43.27	27.77	24.70	24.02	362.64	427.29	425.50	430.81	430.14	425.02	406.72
450.	403.33	380.95	224.62	35.78	25.32	23.80	23.63	359.43	409.72	422.33	424.17	426.69	420.98	406.67
455.	391.67	392.14	219.17	33.19	24.67	24.00	24.02	360.31	410.84	420.88	422.05	422.83	402.05	410.09
460.	389.05	385.24	225.15	39.78	24.97	24.27	24.90	356.33	407.53	401.58	402.77	404.00	410.17	410.40
465.	388.33	389.05	231.90	34.27	25.90	24.90	25.17	354.36	405.77	402.30	403.00	404.12	405.00	401.26
470.	382.86	371.16	201.71	34.83	24.75	24.07	23.70	355.29	408.77	405.57	409.86	409.31	403.50	401.43

PRC15-W-4-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	382.86	369.53	219.95	44.93	24.20	23.77	23.72	351.64	401.19	406.67	405.05	408.83	405.02	401.19
480.	370.53	359.50	204.44	41.61	24.80	23.65	23.50	349.12	398.43	402.38	406.21	406.69	400.98	398.24
485.	368.84	369.90	266.19	32.49	24.52	23.65	23.35	347.52	395.36	397.74	398.64	398.33	389.45	391.24
490.	367.72	365.93	227.83	30.63	24.22	23.55	23.32	346.86	394.33	397.64	398.71	398.07	387.33	388.02
495.	369.07	357.93	243.54	32.46	24.27	23.47	23.35	341.95	395.17	396.55	396.31	394.21	384.36	386.36
500.	366.62	363.64	202.15	36.44	24.80	23.63	23.37	347.76	385.00	385.26	386.76	387.62	383.67	371.07
505.	364.52	345.90	219.75	33.24	24.47	23.52	23.55	345.73	385.28	387.74	388.24	388.95	385.64	370.00
510.	365.17	347.43	204.66	32.12	23.95	23.67	23.35	342.49	369.74	370.26	370.16	382.26	370.19	366.23
515.	358.55	356.69	199.02	30.29	25.38	24.32	24.05	341.71	383.00	370.84	370.07	370.05	367.02	363.16
520.	355.38	349.74	215.97	32.10	25.35	24.00	23.60	330.38	368.81	365.72	367.49	367.79	364.46	364.02
525.	353.26	346.69	256.85	29.78	24.25	23.70	23.52	328.21	364.36	368.38	368.12	368.48	364.48	367.26
530.	351.31	346.88	231.58	29.66	24.70	23.63	23.27	323.45	361.43	364.88	366.74	367.62	362.12	354.64
535.	345.24	342.00	251.27	30.07	24.42	23.55	24.02	320.95	361.17	361.38	365.52	365.50	357.14	352.71
540.	340.55	327.09	177.32	46.71	25.15	23.65	23.25	318.19	354.07	352.64	355.98	341.31	339.15	338.71
545.	326.12	321.95	214.60	42.07	24.60	23.47	23.40	311.62	350.55	351.17	341.55	344.54	341.61	344.95
550.	324.17	310.19	227.25	49.88	26.00	24.40	23.27	313.78	343.07	342.02	339.49	342.19	339.98	340.98
555.	311.40	308.00	170.67	49.63	25.77	23.87	23.57	313.19	343.93	341.05	326.83	339.10	325.93	316.14
560.	314.52	317.85	157.62	33.93	24.40	23.95	23.47	310.17	340.88	326.88	321.07	318.26	314.14	313.64
565.	314.10	314.95	201.15	30.83	25.55	23.85	23.63	307.24	327.79	321.50	317.88	317.09	314.74	312.68
570.	313.73	305.93	193.67	31.44	25.67	23.42	24.05	303.44	327.19	325.81	318.52	314.76	313.17	314.68
575.	311.54	305.10	148.07	36.95	23.87	23.63	24.63	292.12	320.48	313.52	316.24	310.69	316.85	311.74
580.	311.24	302.17	168.20	42.68	23.85	23.60	24.82	297.15	313.76	312.09	311.57	317.90	315.78	314.93
585.	294.05	292.14	169.25	56.15	28.05	23.77	23.87	293.63	311.21	315.10	312.68	315.85	312.12	310.51
590.	295.22	297.05	149.35	36.37	24.88	24.15	23.85	290.24	315.05	312.98	309.00	308.66	302.98	305.54
595.	289.98	291.37	143.92	37.49	24.75	24.47	23.80	287.02	309.37	307.22	304.24	293.19	297.46	292.50
600.	287.29	291.66	137.97	44.24	25.15	24.07	23.40	285.90	311.22	303.02	292.52	292.33	297.58	291.45
605.	290.63	285.05	149.70	38.71	24.10	23.30	23.17	282.05	294.14	292.55	290.86	297.63	295.78	291.17
610.	281.19	283.15	154.92	29.80	24.00	23.15	23.00	279.93	291.64	295.66	291.66	290.68	287.00	293.71
615.	281.24	279.54	150.17	33.02	23.75	23.35	22.95	276.98	292.46	290.80	289.85	290.15	286.39	289.88
620.	276.78	273.95	167.00	34.68	24.02	23.27	23.35	274.17	290.71	287.49	285.39	284.41	283.15	287.88
625.	264.02	267.49	128.41	40.32	23.75	23.57	23.55	271.07	281.49	279.34	279.17	279.22	280.56	283.41
630.	269.22	267.07	157.77	37.68	24.07	23.57	22.85	269.56	281.98	278.29	275.37	272.07	268.34	274.73
635.	256.80	262.51	125.90	39.10	23.82	23.47	23.65	266.95	275.24	272.29	270.80	269.58	266.07	268.90
640.	265.51	255.24	127.17	30.68	23.47	23.35	23.85	264.22	272.29	270.49	271.37	270.83	269.37	271.32
645.	259.63	255.78	125.68	34.71	24.00	23.92	23.15	261.68	269.10	266.34	265.78	261.51	260.93	263.46
650.	259.05	237.78	136.27	32.44	23.25	23.15	23.65	259.34	263.34	262.29	260.68	257.46	260.51	267.27
655.	245.73	243.24	115.76	33.68	23.42	23.22	23.77	257.34	259.51	254.95	252.73	249.68	251.24	253.83
660.	245.68	236.76	129.76	31.46	23.72	23.57	23.13	254.73	249.93	245.00	246.66	237.12	243.15	241.58
665.	240.32	236.17	124.27	33.49	23.60	24.38	23.65	251.73	247.63	239.17	234.00	232.75	237.58	236.98
670.	231.66	225.77	111.39	31.68	24.35	23.60	23.27	249.02	240.63	238.17	238.73	237.83	241.05	243.39
675.	233.63	232.32	126.85	36.37	24.20	24.22	23.82	247.10	237.05	232.66	230.98	231.65	230.15	234.10
680.	230.15	227.92	78.00	32.73	25.35	24.05	23.90	245.39	239.41	237.02	232.24	229.19	229.29	230.57
685.	229.50	224.62	127.93	31.10	23.85	23.20	23.25	243.66	236.61	231.15	232.25	233.05	233.63	236.41
690.	228.47	205.19	110.85	29.50	23.57	23.45	22.95	241.46	233.93	228.15	230.32	221.57	221.17	215.05
695.	221.77	206.71	108.54	28.75	24.85	24.10	23.72	239.19	227.95	224.02	223.75	219.30	222.17	219.82
700.	219.22	191.22	103.05	29.38	25.85	23.77	23.10	239.22	232.98	231.41	231.25	224.40	225.30	207.10
705.	207.78	179.65	109.10	33.76	23.57	23.13	22.75	234.49	233.05	230.34	229.85	207.10	200.61	190.77
710.	207.83	179.65	102.78	34.02	23.22	23.02	23.17	236.63	230.37	232.27	221.42	203.00	201.42	197.72
715.	196.57	173.15	120.66	29.30	23.55	23.02	23.47	235.10	230.98	225.52	201.10	198.97	200.92	190.13
720.	203.27	177.40	112.66	31.61	23.47	23.05	22.95	233.66	231.13	223.80	216.75	200.00	199.12	193.65

PRC15-W-4-1/2

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	24.42	24.13	23.95	23.67	23.70	23.45	23.27	23.17	23.37	24.00	24.45	23.02	23.15	23.00
0.	24.32	24.02	23.90	23.60	23.65	23.42	23.25	23.15	23.35	24.00	24.42	23.07	23.10	22.90
0.	24.35	24.00	23.85	23.60	23.65	23.45	23.20	23.20	23.32	24.00	24.45	23.13	23.05	22.95
0.	24.35	24.02	23.95	23.70	23.65	23.52	23.20	23.13	23.25	23.95	24.45	22.92	22.85	22.95
0.	24.45	24.05	23.95	23.70	23.50	23.63	23.25	23.10	23.25	23.95	24.45	22.95	22.88	23.02
0.	24.38	24.10	23.92	23.72	23.42	23.60	23.22	23.13	23.10	23.92	24.45	22.97	22.92	22.97
5.	52.29	47.71	41.17	29.00	25.35	25.20	24.07	23.77	23.67	25.07	33.22	23.47	23.55	22.97
10.	60.48	58.85	46.10	30.46	26.27	25.70	24.27	23.87	23.95	25.72	38.12	23.52	23.60	23.00
15.	70.90	62.67	51.15	36.10	27.42	26.13	24.45	24.15	23.87	26.32	39.41	23.50	23.47	23.07
20.	82.67	75.63	61.57	35.44	27.97	27.35	25.00	24.63	23.95	26.95	46.78	23.65	23.77	23.13
25.	102.85	100.78	73.56	38.10	29.46	28.55	25.22	24.88	24.27	28.10	52.00	24.00	24.05	23.20
30.	126.10	114.63	83.09	46.22	32.66	31.49	26.90	26.07	25.17	29.78	58.62	24.82	24.97	23.47
35.	152.89	138.57	103.29	50.63	36.68	32.41	28.60	26.92	26.10	33.24	73.78	25.72	25.70	23.65
40.	160.20	142.70	105.46	55.63	39.24	37.88	30.76	28.13	27.00	37.56	82.50	25.82	26.40	23.92
45.	195.10	163.07	127.76	58.45	43.66	40.95	33.37	29.50	27.35	41.17	94.09	26.20	26.57	24.22
50.	223.10	188.17	139.13	64.79	51.39	45.10	34.83	29.68	28.40	45.22	101.93	27.17	28.27	24.72
55.	239.83	205.85	163.62	76.66	56.07	52.22	33.88	30.56	29.10	48.05	110.05	27.63	28.05	25.10
60.	249.12	231.88	167.27	83.48	60.71	50.41	36.78	33.80	29.78	53.78	124.63	29.05	29.72	25.57
65.	253.37	229.49	176.85	91.48	69.68	57.00	38.83	34.49	31.34	58.52	128.15	29.73	30.37	26.22
70.	278.63	244.24	196.77	104.95	65.74	58.22	40.71	35.37	32.93	64.02	143.55	30.88	31.32	26.82
75.	291.12	272.19	198.37	125.85	78.68	62.83	41.90	39.98	34.46	71.98	156.82	32.19	33.19	27.52
80.	306.68	276.66	230.02	136.60	78.12	66.00	42.00	41.41	37.15	84.09	173.60	33.58	34.37	28.57
85.	313.74	294.19	254.29	143.97	88.83	77.29	46.29	41.83	39.07	93.02	190.55	36.00	36.71	29.42
90.	329.45	306.95	258.51	157.77	89.95	83.88	51.05	46.93	42.37	105.85	202.88	37.58	39.27	30.17
95.	355.67	325.33	284.58	171.00	92.88	89.95	50.63	46.29	43.41	113.76	223.25	37.76	38.76	31.07
100.	370.12	351.95	263.17	170.22	107.83	108.37	58.54	49.61	45.80	125.54	233.93	41.61	43.05	31.93
105.	366.76	346.41	286.15	172.95	112.71	108.02	59.21	54.12	49.76	146.50	244.83	41.85	43.71	32.98
110.	369.86	347.37	295.10	178.57	115.73	115.39	63.38	53.73	50.98	146.70	253.78	43.19	44.95	33.85
115.	386.29	343.14	304.88	182.88	121.85	125.95	67.74	53.24	51.22	150.57	258.56	43.44	45.71	34.95
120.	388.31	356.09	305.12	192.80	121.54	135.17	67.38	55.44	55.02	155.55	270.46	47.00	52.19	36.00
125.	398.00	360.57	313.33	204.83	125.39	133.72	72.22	56.71	57.44	160.97	280.07	47.46	49.34	37.05
130.	407.81	360.31	312.21	217.12	128.51	136.38	74.22	57.88	58.22	167.80	287.02	49.22	50.93	37.93
135.	409.79	357.90	316.29	226.00	145.50	139.00	74.63	57.86	59.21	167.13	297.29	52.37	53.27	39.12
140.	390.98	364.43	325.67	226.67	140.27	143.17	74.39	59.14	57.66	167.07	302.78	49.44	49.90	40.02
145.	403.21	387.00	347.29	244.07	153.77	141.92	78.32	59.36	58.50	173.88	305.22	52.17	52.02	40.78
150.	404.12	366.51	346.67	230.63	155.07	143.20	75.00	58.02	59.95	170.07	312.98	52.56	57.98	41.73
155.	421.09	388.09	342.07	250.63	153.70	149.82	77.19	61.74	62.71	178.22	314.17	51.37	55.58	42.63
160.	405.24	380.95	346.85	231.07	149.40	154.30	77.67	66.29	65.67	181.32	321.02	56.17	57.32	43.51
165.	402.35	367.00	329.21	242.76	146.07	154.15	77.93	64.50	64.45	179.27	323.83	54.24	56.83	44.39
170.	423.93	370.07	323.59	240.76	161.75	163.47	86.55	63.93	64.02	187.38	327.64	54.51	56.07	45.29
175.	420.86	365.79	323.09	238.58	156.47	153.60	93.76	66.40	64.57	190.17	339.73	57.32	59.45	45.80
180.	409.42	392.69	341.43	264.24	171.95	141.22	79.95	67.71	71.51	183.75	339.10	59.26	60.90	46.83
185.	402.58	382.05	347.76	272.88	163.77	156.70	82.33	69.71	65.00	187.67	348.15	55.22	57.46	47.63
190.	458.81	403.33	352.38	307.27	175.35	157.60	87.21	70.51	66.59	193.63	343.52	59.22	58.64	48.24
195.	428.71	396.14	352.19	266.73	167.40	164.82	87.69	66.90	65.69	190.95	340.86	57.29	58.85	49.29
200.	408.63	368.67	348.51	263.37	168.30	169.55	89.12	66.33	66.40	198.25	344.57	59.05	59.74	49.61
205.	425.95	371.12	348.49	272.76	173.45	163.77	82.64	67.05	65.05	193.82	347.02	56.78	58.14	50.51
210.	401.95	384.64	348.26	268.95	178.42	170.92	93.69	72.90	73.37	199.45	352.85	62.76	66.09	50.93
215.	422.05	371.14	349.62	266.46	194.07	162.10	93.36	74.37	71.85	202.85	353.36	58.64	59.50	51.71
220.	403.57	370.35	340.95	263.56	188.55	165.70	95.24	78.33	74.27	200.07	349.93	61.17	64.12	51.80

PRC15-W-4-1/2

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	430.98	383.81	352.64	293.61	177.57	165.02	93.83	78.86	70.19	198.61	357.81	60.64	64.59	52.05
230.	423.21	392.55	355.86	272.95	179.82	158.22	96.14	78.88	73.07	192.80	360.50	61.64	63.62	52.37
235.	435.67	401.21	355.29	279.63	166.17	170.07	90.31	76.63	77.15	201.00	361.38	62.21	63.36	52.95
240.	427.62	401.90	350.43	260.73	179.27	174.22	94.95	79.46	78.58	188.85	362.17	64.90	69.93	52.98
245.	409.93	397.43	355.95	278.19	196.22	162.67	100.41	80.05	77.44	186.25	363.50	65.12	66.26	53.68
250.	406.09	389.17	362.09	280.80	181.35	172.02	103.24	81.95	74.76	197.90	367.31	62.93	63.90	54.24
255.	439.74	401.84	344.40	274.98	201.77	164.85	106.68	83.40	78.39	195.25	369.98	65.93	71.44	54.58
260.	429.55	403.36	355.14	277.71	199.42	164.75	103.24	80.64	78.93	196.25	365.26	69.54	66.86	55.24
265.	425.71	393.81	352.67	268.17	176.42	177.17	103.80	79.00	76.02	185.97	367.29	67.02	67.79	55.32
270.	408.86	390.88	354.90	292.56	165.60	158.22	96.90	82.45	79.55	202.32	368.95	73.78	78.02	56.22
275.	424.50	389.12	348.31	283.88	158.35	171.32	100.07	85.86	78.67	204.24	369.69	72.37	76.78	57.73
280.	439.07	406.51	360.12	294.41	173.22	166.52	91.57	81.59	77.95	198.40	368.86	72.93	67.74	58.37
285.	406.63	392.95	361.95	292.17	187.65	168.00	100.19	80.64	75.83	171.13	365.77	67.65	70.56	58.41
290.	407.07	395.31	361.93	291.74	186.82	177.47	110.15	88.55	80.86	180.70	369.00	65.83	75.73	58.80
295.	424.24	391.50	360.21	284.51	175.70	168.13	108.46	93.17	84.24	178.72	364.44	72.80	74.51	58.00
300.	405.74	391.36	356.71	286.68	191.87	177.55	108.12	81.64	79.19	180.67	362.21	67.76	72.80	58.26
305.	433.12	408.09	365.02	308.07	178.32	175.35	95.48	84.57	80.12	185.70	364.91	70.34	74.80	58.71
310.	431.09	390.07	359.31	293.40	200.85	178.85	102.58	85.09	82.07	188.10	368.72	75.73	75.73	59.36
315.	404.64	380.79	340.31	269.58	199.56	182.47	107.37	86.21	82.29	192.27	369.42	72.73	74.17	60.21
320.	426.00	390.19	363.90	279.58	187.67	168.50	111.32	92.12	85.36	201.75	368.49	77.00	79.43	61.09
325.	404.12	394.83	357.50	281.63	169.75	178.80	107.85	92.07	82.98	199.37	381.78	74.90	75.68	61.09
330.	421.43	395.95	361.00	266.63	190.42	185.00	115.22	80.26	83.79	189.97	382.00	74.39	77.60	60.71
335.	405.91	396.40	364.86	280.12	192.10	166.40	110.00	92.21	83.26	188.37	384.26	72.27	76.34	61.05
340.	439.74	395.90	349.40	277.68	187.67	175.40	104.27	82.50	79.93	190.95	387.09	75.51	76.15	61.07
345.	423.90	380.57	344.36	281.54	175.55	179.45	112.02	91.83	83.19	198.63	382.17	75.10	76.88	61.09
350.	400.98	380.52	357.05	269.76	223.02	177.40	116.66	97.19	85.36	197.62	386.71	73.02	77.51	61.55
355.	409.88	398.07	361.76	276.58	186.07	197.27	115.22	93.21	81.43	200.39	383.21	69.83	75.78	61.24
360.	429.71	401.86	352.31	284.88	181.42	181.70	109.37	89.98	81.59	195.92	385.17	77.78	78.37	61.19
365.	401.44	391.67	358.14	291.22	181.97	170.32	107.34	101.88	84.71	188.70	386.71	73.63	76.76	61.40
370.	401.72	391.00	355.07	278.58	193.20	183.87	115.44	88.62	84.69	189.17	384.88	75.78	78.61	61.26
375.	437.67	407.17	362.19	291.74	184.67	177.97	108.95	95.81	85.64	200.87	386.36	78.12	79.27	61.80
380.	403.49	385.33	352.81	292.90	170.40	177.12	118.49	94.21	88.19	194.05	388.45	72.49	79.36	62.33
385.	404.32	391.69	356.43	293.93	165.90	167.32	121.78	106.07	85.14	191.42	387.67	75.85	78.69	62.21
390.	422.45	396.33	364.57	285.85	198.44	186.10	111.29	94.79	81.31	201.27	387.21	74.95	75.37	63.09
395.	403.14	393.52	357.52	284.39	199.83	184.65	110.41	88.98	84.52	196.10	384.88	77.88	80.07	63.31
400.	409.58	395.64	364.95	290.85	195.82	176.70	111.37	95.36	86.52	201.39	387.26	77.37	78.27	64.09
405.	432.98	407.05	359.48	296.46	177.95	182.65	107.02	105.29	84.90	196.55	391.71	78.15	79.95	64.00
410.	406.32	383.43	344.36	293.17	196.20	185.57	107.27	90.31	85.95	202.88	389.67	74.61	78.90	63.79
415.	408.05	389.07	347.86	276.37	201.54	185.27	109.46	101.90	87.14	198.80	385.26	72.41	83.07	63.30
420.	406.33	380.71	355.59	282.85	178.30	174.22	113.98	109.66	92.31	204.44	387.21	78.61	80.52	63.31
425.	406.40	391.95	363.69	295.61	169.57	193.09	113.51	97.57	86.88	215.95	384.07	75.71	79.19	64.21
430.	400.12	368.37	351.79	292.76	176.95	180.75	106.71	94.64	85.88	200.56	388.12	79.49	79.29	65.79
435.	400.38	384.52	353.74	276.37	203.17	183.55	111.73	94.67	88.59	202.63	385.93	76.34	79.93	66.09
440.	401.07	382.88	359.09	297.66	197.70	175.65	110.10	102.22	84.12	201.71	384.02	79.05	78.02	65.62
445.	406.78	385.74	357.19	286.78	199.57	179.50	110.68	97.05	85.79	214.92	381.76	77.32	79.17	65.74
450.	401.74	398.31	348.00	279.66	184.70	187.57	111.61	85.36	87.17	187.82	370.63	78.27	80.64	65.57
455.	408.67	383.50	348.33	283.80	179.35	184.70	113.68	91.29	86.90	192.63	369.93	75.58	78.39	66.02
460.	400.57	366.77	353.24	271.10	184.80	179.27	111.66	96.95	88.14	207.61	370.86	79.21	84.31	66.24
465.	410.45	380.86	343.37	282.02	168.42	165.82	105.68	103.05	88.79	201.76	365.91	81.57	83.19	67.17
470.	393.86	364.98	343.54	270.83	199.50	178.80	115.85	92.21	83.40	195.45	362.77	75.41	79.51	67.00

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	390.98	362.09	340.69	273.76	194.55	159.15	108.54	90.33	83.67	190.95	362.39	73.39	75.61	66.14
480.	380.57	357.09	339.46	266.88	202.05	171.37	105.56	86.93	87.05	189.07	367.05	79.07	82.17	65.83
485.	389.64	361.93	340.71	279.15	197.88	174.10	114.22	96.17	83.02	188.02	364.90	78.37	79.49	65.79
490.	380.59	355.57	342.02	269.05	187.82	157.27	107.27	97.19	85.29	199.05	361.26	78.57	82.36	66.05
495.	384.83	364.64	327.48	267.46	168.17	159.07	112.78	101.85	86.14	194.07	359.02	79.10	80.79	66.29
500.	364.51	362.38	327.86	264.56	181.40	168.90	110.71	92.09	83.59	182.07	356.38	74.37	75.76	66.40
505.	366.53	364.90	340.51	287.12	177.67	170.32	107.39	94.45	83.59	176.72	353.55	77.24	78.66	66.17
510.	364.52	353.86	325.05	272.22	191.65	157.65	107.19	91.93	82.52	183.20	349.74	76.56	75.73	66.02
515.	369.86	353.14	319.52	263.02	196.97	167.80	111.27	96.02	85.33	201.45	347.33	77.64	79.26	67.36
520.	361.00	346.95	317.17	268.41	178.45	160.42	111.49	89.52	81.95	175.05	344.29	75.80	76.37	67.14
525.	366.24	356.45	312.26	273.63	168.90	159.40	106.41	92.05	86.50	186.87	340.98	79.29	81.12	66.38
530.	349.62	347.12	311.29	253.44	172.92	151.92	114.34	92.59	86.50	191.80	344.93	84.14	85.09	67.24
535.	345.71	327.62	316.90	262.85	171.30	164.42	113.02	96.59	85.74	194.17	339.19	79.24	80.69	67.76
540.	327.57	322.14	312.55	293.98	190.10	168.82	113.90	103.29	80.09	157.20	323.36	79.26	75.56	70.61
545.	345.58	323.90	291.33	278.98	231.17	173.63	118.12	91.48	84.50	170.40	319.55	86.40	82.86	71.95
550.	329.74	317.67	294.83	276.34	204.58	180.35	121.63	95.83	86.62	164.47	313.86	82.38	81.36	73.24
555.	311.14	312.10	291.52	275.27	200.51	180.13	115.68	93.02	83.64	167.65	311.62	81.19	81.00	73.19
560.	315.83	314.02	287.19	271.73	201.92	171.77	112.76	101.58	91.33	173.30	313.08	86.31	89.05	73.95
565.	311.81	311.19	281.37	258.44	198.40	175.07	108.15	94.57	83.59	159.38	310.95	85.05	84.98	74.49
570.	292.71	297.00	275.49	247.90	196.40	172.70	118.29	96.76	85.24	164.05	308.29	85.40	82.64	75.34
575.	314.29	291.64	275.90	246.12	188.20	169.20	113.44	93.50	85.24	162.40	303.68	83.00	78.41	75.76
580.	311.39	295.71	271.85	242.05	186.52	162.82	113.85	92.21	78.95	154.30	294.29	75.46	75.71	74.61
585.	304.05	284.27	269.98	245.05	190.10	158.13	110.39	96.74	82.69	166.47	297.54	83.36	82.07	73.63
590.	293.85	278.95	261.63	231.57	181.72	157.10	107.88	92.06	81.79	164.88	293.90	80.86	79.71	73.78
595.	302.71	284.39	259.61	233.90	185.20	157.38	117.51	94.05	84.74	173.20	291.46	81.59	81.40	74.85
600.	291.40	282.02	261.51	243.80	187.67	154.50	111.61	95.17	86.09	155.15	289.29	83.17	82.93	75.19
605.	291.80	280.95	258.07	231.05	171.32	153.97	112.49	101.19	84.62	158.88	286.17	81.52	81.86	75.70
610.	290.32	273.32	246.90	222.90	173.63	146.45	112.02	94.40	78.74	153.38	282.49	81.69	79.44	75.24
615.	292.32	284.54	245.29	224.47	177.57	142.25	108.24	94.64	84.17	162.95	280.10	82.19	80.83	75.32
620.	282.44	269.63	252.44	231.30	158.42	135.97	115.58	95.36	85.48	151.07	277.41	84.38	84.38	75.22
625.	281.76	256.66	244.32	227.12	183.52	142.07	106.24	102.02	79.15	151.02	273.90	70.02	77.00	74.15
630.	275.05	254.93	237.34	220.10	180.35	140.72	110.49	93.86	82.71	157.77	270.83	80.12	80.93	73.73
635.	271.37	252.39	232.54	231.67	186.70	140.72	105.12	94.64	81.48	161.50	268.78	79.95	79.10	74.51
640.	259.17	239.44	231.32	218.80	167.35	139.38	103.88	95.36	78.95	150.30	266.41	77.74	79.49	73.80
645.	253.24	243.22	232.32	214.13	174.47	133.80	105.90	95.74	78.19	134.00	263.90	79.10	79.10	73.46
650.	261.46	239.22	228.67	219.25	176.95	128.17	103.12	94.17	79.71	138.47	261.93	82.33	78.66	73.29
655.	259.76	246.15	230.75	205.19	180.52	134.95	95.93	90.90	75.41	144.15	259.68	75.10	74.85	71.83
660.	234.58	230.00	219.90	202.38	165.65	128.44	95.93	88.12	73.24	139.17	256.05	76.29	70.73	70.63
665.	229.95	207.39	201.56	199.65	165.22	120.98	101.12	89.26	70.05	129.15	254.73	73.63	62.45	69.90
670.	233.05	223.92	200.15	200.10	171.02	116.61	95.31	90.95	66.48	114.95	251.78	77.29	70.39	67.48
675.	229.22	227.57	203.54	202.85	168.57	119.02	101.19	91.90	72.27	120.00	249.24	77.37	74.34	67.14
680.	227.00	216.70	207.68	197.40	169.07	125.78	96.55	87.76	70.58	119.51	247.61	74.19	66.76	67.17
685.	231.17	222.47	207.83	193.80	168.70	122.54	93.00	86.12	71.05	125.27	245.51	74.54	73.85	66.64
690.	203.05	200.32	195.25	185.95	159.85	126.15	96.29	86.29	71.65	124.73	243.24	70.32	67.81	66.24
695.	201.71	200.10	188.80	181.32	160.52	139.75	87.05	83.29	70.46	124.98	240.80	73.83	65.71	65.71
700.	199.50	192.10	182.02	181.72	160.92	138.02	104.63	80.33	66.31	115.56	239.07	73.17	65.69	65.43
705.	181.52	183.52	184.70	183.30	157.80	127.41	93.62	89.48	67.64	110.56	236.39	71.71	66.24	65.38
710.	188.05	189.65	188.45	179.15	153.90	122.17	97.55	85.50	64.55	105.80	234.61	72.07	63.02	64.98
715.	191.55	190.77	183.52	179.05	156.50	119.37	102.02	87.83	73.49	114.05	231.32	73.85	72.32	65.14
720.	186.20	185.10	177.30	168.52	150.45	119.22	100.66	90.00	77.49	111.41	230.32	78.51	78.40	65.81

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	23.17	23.27	19.28	14000.43	0.00	-0.00	-0.02	0.21	0.00	0.00	0.00	0.00	21.00	-2.17
0.	23.20	23.20	29.50	14140.98	0.00	-0.00	-0.02	0.12	0.00	0.00	0.00	0.00	21.00	0.00
0.	23.22	23.20	40.01	14070.70	-0.00	-0.00	-0.02	0.09	0.00	0.00	0.00	0.00	21.00	0.73
0.	23.20	23.30	50.22	14000.43	-0.00	-0.00	-0.02	0.26	0.00	0.00	0.00	0.00	21.00	0.51
0.	23.15	23.35	59.48	14105.81	0.00	-0.00	-0.02	-0.50	0.00	0.00	0.00	0.00	21.00	0.08
0.	23.13	23.35	69.69	14035.54	-0.00	-0.00	-0.02	-0.06	0.00	0.00	0.00	0.00	20.99	0.85
5.	24.52	25.05	10.06	14035.54	0.00	0.00	0.04	1.25	0.00	0.00	0.00	0.01	20.69	-0.16
10.	24.97	25.35	19.28	13930.15	0.01	0.00	0.04	1.05	0.00	0.00	0.00	0.01	20.54	1.03
15.	26.07	26.63	29.49	14000.43	0.01	0.01	0.09	-0.12	0.00	0.00	0.00	0.02	20.42	3.28
20.	27.22	28.63	40.01	14000.43	0.02	0.01	0.13	-0.35	0.00	0.00	0.00	0.02	20.27	1.09
25.	30.02	30.00	50.21	13965.31	0.04	0.02	0.21	-0.51	0.00	0.00	0.00	0.04	20.12	3.43
30.	30.17	31.71	59.46	13965.31	0.07	0.04	0.31	-0.75	0.00	0.00	0.00	0.05	19.91	3.00
35.	31.07	34.32	69.68	13895.04	0.10	0.05	0.40	-0.61	0.00	0.00	0.00	0.07	19.65	6.51
40.	35.58	38.93	10.06	13859.93	0.12	0.07	0.48	2.96	0.00	0.00	0.00	0.10	19.26	3.26
45.	35.46	41.68	19.29	13719.38	0.14	0.08	0.52	1.98	0.00	0.00	0.00	0.12	18.88	6.00
50.	42.49	45.37	29.51	13684.27	0.17	0.09	0.66	0.61	0.00	0.00	0.00	0.15	18.43	6.32
55.	48.66	51.15	40.02	13613.99	0.19	0.11	0.77	-0.69	0.00	0.00	0.00	0.18	18.01	6.52
60.	52.17	53.46	50.23	13578.89	0.21	0.12	0.74	-0.77	0.00	0.00	0.00	0.22	17.61	8.01
65.	59.14	60.55	59.48	13473.50	0.26	0.15	0.86	-0.95	0.00	0.00	0.00	0.26	17.18	9.52
70.	58.63	64.00	69.69	13297.84	0.32	0.17	1.01	-0.73	0.00	0.00	0.00	0.33	16.79	10.94
75.	62.17	72.71	10.06	13192.45	0.37	0.19	1.16	3.99	0.00	0.00	0.00	0.39	16.40	5.84
80.	63.76	80.31	19.30	12981.68	0.43	0.21	1.21	3.03	0.00	0.00	0.00	0.46	16.01	11.05
85.	67.29	78.07	29.51	12841.13	0.51	0.23	1.40	0.97	0.00	0.00	0.00	0.53	15.46	11.58
90.	67.48	82.81	40.01	12700.64	0.60	0.27	1.64	-0.73	0.00	0.00	0.00	0.65	15.03	10.75
95.	77.22	87.79	50.22	12595.25	0.65	0.29	1.78	-0.74	0.00	0.00	0.00	0.68	14.73	10.11
100.	79.37	95.26	59.47	12489.86	0.71	0.31	1.94	-1.01	0.00	0.00	0.00	0.78	14.29	14.15
105.	83.31	96.31	69.67	12243.93	0.76	0.32	2.02	-0.89	0.00	0.00	0.00	0.82	13.77	12.29
110.	88.57	104.49	10.06	12033.15	0.77	0.32	2.05	4.44	0.00	0.00	0.00	0.87	13.34	10.24
115.	87.21	110.39	19.29	11892.66	0.79	0.32	2.04	3.66	0.00	0.00	0.00	0.86	13.09	9.52
120.	92.48	110.49	29.49	11822.39	0.84	0.34	2.15	1.12	0.00	0.00	0.00	0.93	12.93	11.97
125.	92.79	110.83	40.02	11646.73	0.90	0.34	2.25	-0.74	0.00	0.00	0.00	1.01	13.00	12.93
130.	96.74	121.27	50.23	11506.23	0.93	0.35	2.32	-0.89	0.00	0.00	0.00	1.06	12.95	13.20
135.	100.07	121.76	59.48	11365.68	0.95	0.35	2.25	-1.08	0.00	0.00	0.00	1.04	12.78	12.08
140.	95.40	118.98	69.68	11190.02	0.97	0.34	2.28	-0.99	0.00	0.00	0.00	1.05	12.77	7.99
145.	108.85	125.95	10.06	11119.80	0.99	0.34	2.29	4.53	0.00	0.00	0.00	1.06	12.77	12.11
150.	109.05	133.65	19.29	10944.14	0.99	0.34	2.38	3.77	0.00	0.00	0.00	1.08	12.81	12.30
155.	114.29	139.75	29.50	10768.48	1.01	0.34	2.36	1.53	0.00	0.00	0.00	1.14	12.85	13.17
160.	111.54	140.95	40.00	10627.98	1.04	0.35	2.43	-0.76	0.00	0.00	0.00	1.15	12.93	11.37
165.	108.41	128.73	50.23	10522.54	1.07	0.34	2.45	-0.96	0.00	0.00	0.00	1.13	12.99	14.50
170.	114.02	138.28	59.48	10382.84	1.07	0.34	2.43	-1.11	0.00	0.00	0.00	1.14	13.09	7.51
175.	105.68	140.02	69.68	10241.55	1.05	0.33	2.42	-1.08	0.00	0.00	0.00	1.12	13.03	8.98
180.	122.71	143.07	10.06	10100.99	1.08	0.33	2.34	4.72	0.00	0.00	0.00	1.15	12.90	9.00
185.	115.71	145.70	19.29	9960.50	1.10	0.33	2.32	3.99	0.00	0.00	0.00	1.16	13.13	14.10
190.	129.80	158.05	29.50	9784.84	1.12	0.33	2.32	0.96	0.00	0.00	0.00	1.16	13.20	11.09
195.	120.56	148.65	40.01	9714.56	1.11	0.33	2.48	-0.00	0.00	0.00	0.00	1.19	13.22	14.39
200.	128.71	155.60	50.22	9574.06	1.12	0.32	2.46	-0.94	0.00	0.00	0.00	1.21	13.31	13.16
205.	121.39	150.95	59.48	9398.40	1.13	0.32	2.46	-1.19	0.00	0.00	0.00	1.21	13.30	13.16
210.	122.32	145.25	69.68	9293.02	1.15	0.33	2.45	-1.04	0.00	0.00	0.00	1.18	13.30	11.73
215.	125.46	148.30	10.06	9187.64	1.15	0.32	2.43	4.79	0.00	0.00	0.00	1.20	13.33	7.63
220.	119.93	153.32	19.30	9011.98	1.16	0.32	2.56	3.75	0.00	0.00	0.00	1.18	13.32	8.77

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	124.29	156.57	29.50	8906.59	1.17	0.31	2.57	1.43	0.00	0.00	0.00	1.20	13.39	11.26
230.	117.46	150.22	40.01	8730.93	1.16	0.31	2.49	-0.71	0.00	0.00	0.00	1.19	13.37	9.52
235.	126.02	157.22	50.21	8590.43	1.18	0.31	2.43	-0.92	0.00	0.00	0.00	1.22	13.44	7.61
240.	119.00	157.22	59.47	8520.15	1.19	0.31	2.53	-1.15	0.00	0.00	0.00	1.26	13.53	9.94
245.	123.93	156.52	69.68	8379.66	1.19	0.31	2.47	-1.02	0.00	0.00	0.00	1.21	13.64	14.59
250.	126.76	161.82	10.06	8239.11	1.21	0.30	2.42	4.73	0.00	0.00	0.00	1.21	13.67	14.10
255.	137.52	157.67	19.29	8133.72	1.21	0.30	2.45	3.47	0.00	0.00	0.00	1.25	13.57	11.50
260.	129.46	155.38	29.49	8028.34	1.20	0.29	2.45	1.44	0.00	0.00	0.00	1.22	13.56	14.23
265.	120.54	155.00	40.02	7922.95	1.20	0.29	2.38	-0.81	0.00	0.00	0.00	1.22	13.63	8.33
270.	121.05	166.20	50.22	7782.40	1.20	0.29	2.40	-0.90	0.00	0.00	0.00	1.20	13.80	14.61
275.	116.93	164.25	59.47	7712.18	1.20	0.28	2.38	-1.14	0.00	0.00	0.00	1.19	13.82	14.31
280.	142.70	172.35	69.68	7571.63	1.21	0.28	2.47	-1.02	0.00	0.00	0.00	1.21	13.79	10.38
285.	129.68	170.25	10.06	7431.13	1.22	0.29	2.44	4.72	0.00	0.00	0.00	1.22	13.88	12.42
290.	122.61	162.47	19.29	7325.75	1.22	0.28	2.41	3.69	0.00	0.00	0.00	1.22	13.90	9.47
295.	120.02	160.12	29.51	7255.47	1.20	0.28	2.52	1.58	0.00	0.00	0.00	1.18	13.82	11.58
300.	141.38	160.22	40.02	7114.98	1.21	0.27	2.41	-0.73	0.00	0.00	0.00	1.22	13.90	10.19
305.	137.05	165.27	50.23	7044.70	1.21	0.28	2.41	-0.95	0.00	0.00	0.00	1.21	14.07	14.34
310.	149.52	171.95	59.49	6904.15	1.23	0.27	2.33	-1.19	0.00	0.00	0.00	1.22	14.09	10.22
315.	148.80	173.52	69.69	6728.54	1.24	0.27	2.46	-1.12	0.00	0.00	0.00	1.19	14.12	10.36
320.	129.17	169.32	10.06	6623.16	1.24	0.27	2.38	4.70	0.00	0.00	0.00	1.21	14.22	13.07
325.	134.20	161.60	19.30	6552.88	1.24	0.27	2.38	3.79	0.00	0.00	0.00	1.19	14.17	6.62
330.	126.76	166.27	29.49	6377.22	1.24	0.27	2.42	1.39	0.00	0.00	0.00	1.20	14.16	10.96
335.	129.15	166.00	40.02	6342.11	1.25	0.27	2.41	-0.70	0.00	0.00	0.00	1.19	14.10	10.23
340.	138.05	173.00	50.22	6201.56	1.25	0.26	2.43	-0.96	0.00	0.00	0.00	1.22	14.24	12.39
345.	129.34	164.80	59.47	6025.90	1.25	0.26	2.41	-1.18	0.00	0.00	0.00	1.22	14.27	10.82
350.	136.00	172.80	69.69	5990.79	1.25	0.26	2.44	-1.04	0.00	0.00	0.00	1.21	14.31	9.04
355.	140.70	168.57	10.06	5850.29	1.26	0.26	2.49	4.80	0.00	0.00	0.00	1.19	14.31	9.99
360.	140.70	171.52	19.30	5604.36	1.25	0.26	2.44	3.50	0.00	0.00	0.00	1.23	14.29	11.01
365.	125.02	155.90	29.50	5463.86	1.26	0.26	2.39	1.23	0.00	0.00	0.00	1.21	14.34	8.25
370.	128.95	166.65	40.02	5323.31	1.26	0.26	2.42	-0.65	0.00	0.00	0.00	1.19	14.42	11.05
375.	122.41	160.52	50.22	5077.43	1.28	0.26	2.48	-0.83	0.00	0.00	0.00	1.21	14.48	12.25
380.	139.55	166.05	59.48	4972.04	1.28	0.26	2.44	-1.19	0.00	0.00	0.00	1.21	14.49	8.90
385.	129.85	169.38	69.68	4726.11	1.27	0.26	2.33	-1.08	0.00	0.00	0.00	1.19	14.52	10.35
390.	134.30	171.97	10.06	4625.86	1.28	0.25	2.33	4.56	0.00	0.00	0.00	1.21	14.52	12.00
395.	153.02	181.02	19.29	4538.56	1.27	0.25	2.43	3.89	0.00	0.00	0.00	1.19	14.57	10.52
400.	137.27	174.77	29.49	4385.84	1.26	0.25	2.36	1.65	0.00	0.00	0.00	1.21	14.60	14.32
405.	144.35	181.00	40.01	4298.54	1.27	0.25	2.39	-0.73	0.00	0.00	0.00	1.21	14.54	11.40
410.	146.20	178.85	50.22	4189.44	1.26	0.25	2.41	-1.01	0.00	0.00	0.00	1.18	14.65	12.58
415.	148.95	177.30	59.48	4102.17	1.25	0.24	2.34	-1.22	0.00	0.00	0.00	1.17	14.64	12.29
420.	121.88	163.30	69.69	4014.90	1.25	0.24	2.34	-1.13	0.00	0.00	0.00	1.16	14.67	11.36
425.	136.05	162.80	10.07	3949.41	1.24	0.24	2.19	4.64	0.00	0.00	0.00	1.14	14.70	8.61
430.	141.02	171.30	19.30	3862.15	1.23	0.24	2.28	3.75	0.00	0.00	0.00	1.13	14.75	12.04
435.	148.95	181.65	29.51	3774.88	1.23	0.24	2.25	1.26	0.00	0.00	0.00	1.12	14.84	11.72
440.	141.88	185.47	40.02	3622.13	1.22	0.23	2.25	-0.66	0.00	0.00	0.00	1.11	14.95	14.35
445.	151.95	178.87	50.22	3534.86	1.21	0.23	2.18	-0.96	0.00	0.00	0.00	1.13	14.94	9.34
450.	140.45	172.30	59.48	3469.40	1.19	0.22	2.16	-1.15	0.00	0.00	0.00	1.09	15.05	13.03
455.	134.65	164.65	69.68	3382.11	1.17	0.23	2.19	-1.08	0.00	0.00	0.00	1.07	15.14	11.69
460.	123.83	159.62	10.06	3338.46	1.16	0.22	2.14	4.65	0.00	0.00	0.00	1.04	15.12	9.03
465.	137.25	177.30	19.29	3229.38	1.13	0.21	2.15	3.55	0.00	0.00	0.00	1.00	15.23	9.34
470.	129.10	163.15	29.49	3163.93	1.12	0.21	2.09	1.58	0.00	0.00	0.00	1.00	15.35	8.92

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	129.71	159.88	40.01	3098.44	1.10	0.21	1.93	-0.70	0.00	0.00	0.00	1.00	15.50	10.27
480.	150.45	167.65	50.22	3054.82	1.10	0.20	1.94	-0.95	0.00	0.00	0.00	0.96	15.62	7.89
485.	133.32	167.40	59.47	2923.90	1.07	0.20	2.03	-1.24	0.00	0.00	0.00	0.97	15.72	10.84
490.	151.38	163.02	69.68	2836.61	1.05	0.19	1.88	-1.15	0.00	0.00	0.00	0.93	15.81	9.73
495.	128.00	166.30	10.06	2814.80	1.03	0.19	1.83	4.31	0.00	0.00	0.00	0.90	15.93	9.73
500.	138.02	167.70	19.28	2705.69	1.03	0.18	1.84	3.47	0.00	0.00	0.00	0.94	15.99	7.98
505.	142.52	164.50	29.49	2662.04	1.01	0.18	1.78	1.53	0.00	0.00	0.00	0.90	16.10	10.21
510.	145.72	162.95	40.00	2596.58	0.99	0.18	1.75	-0.70	0.00	0.00	0.00	0.84	16.17	10.54
515.	146.50	165.75	50.21	2531.13	0.97	0.17	1.75	-1.01	0.00	0.00	0.00	0.82	16.25	9.19
520.	133.85	160.22	59.47	2509.32	0.96	0.17	1.67	-1.24	0.00	0.00	0.00	0.81	16.27	7.85
525.	119.63	151.32	69.68	2443.86	0.94	0.17	1.62	-1.11	0.00	0.00	0.00	0.80	16.34	7.54
530.	140.65	167.65	10.06	2378.40	0.93	0.17	1.59	4.10	0.00	0.00	0.00	0.77	16.43	7.34
535.	151.70	160.67	19.29	1920.17	0.89	0.16	1.44	3.34	0.00	0.00	0.00	0.77	16.51	7.53
540.	205.37	197.80	29.50	1898.36	0.84	0.16	1.45	0.93	0.00	0.00	0.00	0.79	16.60	7.15
545.	202.47	216.52	40.01	1876.52	0.84	0.15	1.37	-0.86	0.00	0.00	0.00	0.72	16.72	11.59
550.	180.25	191.67	50.23	1811.06	0.82	0.15	1.40	-1.09	0.00	0.00	0.00	0.72	16.90	6.69
555.	192.32	195.85	59.49	1789.26	0.80	0.14	1.31	-1.23	0.00	0.00	0.00	0.68	17.17	9.18
560.	201.46	194.13	69.70	1723.80	0.77	0.14	1.29	-1.03	0.00	0.00	0.00	0.66	17.31	6.46
565.	158.55	179.57	10.06	1701.96	0.77	0.13	1.26	3.93	0.00	0.00	0.00	0.66	17.39	8.18
570.	171.92	184.82	19.31	1658.34	0.76	0.13	1.20	3.17	0.00	0.00	0.00	0.65	17.43	6.98
575.	157.00	172.17	29.51	1614.69	0.74	0.13	1.22	1.11	0.00	0.00	0.00	0.62	17.43	8.31
580.	168.17	168.95	40.03	1592.88	0.73	0.13	1.20	-0.60	0.00	0.00	0.00	0.61	17.47	7.92
585.	176.63	175.70	50.22	1592.88	0.71	0.13	1.16	-1.05	0.00	0.00	0.00	0.61	17.48	7.12
590.	173.50	173.60	59.48	1505.58	0.72	0.12	1.12	-1.26	0.00	0.00	0.00	0.59	17.50	8.22
595.	156.77	171.67	69.69	1461.94	0.70	0.12	1.10	-1.16	0.00	0.00	0.00	0.55	17.58	6.73
600.	171.95	176.57	10.07	1461.94	0.68	0.12	1.11	3.83	0.00	0.00	0.00	0.55	17.70	7.17
605.	171.82	166.00	19.30	1396.48	0.68	0.12	1.07	2.77	0.00	0.00	0.00	0.55	17.76	4.65
610.	137.67	155.47	29.50	1418.32	0.67	0.11	1.05	1.03	0.00	0.00	0.00	0.52	17.75	7.40
615.	146.55	153.50	40.01	1374.67	0.65	0.11	1.03	-0.67	0.00	0.00	0.00	0.51	17.76	6.46
620.	152.85	148.92	50.22	1287.40	0.65	0.11	0.98	-1.05	0.00	0.00	0.00	0.51	17.84	6.58
625.	155.20	166.30	59.47	1200.11	0.63	0.10	0.92	-1.20	0.00	0.00	0.00	0.50	17.89	6.67
630.	164.30	169.07	69.68	1200.11	0.63	0.10	0.91	-1.20	0.00	0.00	0.00	0.50	17.91	7.13
635.	160.55	170.40	10.05	1243.76	0.61	0.10	0.90	3.60	0.00	0.00	0.00	0.49	18.01	4.33
640.	141.90	155.52	19.29	1156.46	0.59	0.10	0.89	2.73	0.00	0.00	0.00	0.46	18.06	7.94
645.	180.32	170.90	29.50	1091.00	0.60	0.10	0.87	0.84	0.00	0.00	0.00	0.46	18.14	5.46
650.	149.97	158.13	40.01	1134.65	0.58	0.10	0.88	-0.60	0.00	0.00	0.00	0.45	18.14	7.03
655.	161.67	168.35	50.23	1047.38	0.51	0.10	0.80	-0.92	0.00	0.00	0.00	0.46	18.18	5.53
660.	155.85	156.95	59.48	981.93	0.50	0.09	0.75	-1.18	0.00	0.00	0.00	0.42	18.18	6.81
665.	156.82	158.95	69.69	938.28	0.50	0.09	0.76	-1.16	0.00	0.00	0.00	0.42	18.23	5.34
670.	159.75	157.13	10.06	960.08	0.48	0.09	0.80	3.35	0.00	0.00	0.00	0.41	18.30	6.87
675.	151.38	159.47	19.30	938.28	0.47	0.09	0.74	2.56	0.00	0.00	0.00	0.40	18.40	5.55
680.	147.15	154.72	29.51	916.44	0.47	0.09	0.72	0.54	0.00	0.00	0.00	0.39	18.50	4.22
685.	151.95	154.27	40.02	785.52	0.40	0.09	0.69	-0.67	0.00	0.00	0.00	0.39	18.54	6.44
690.	147.95	153.42	50.24	829.17	0.38	0.08	0.62	-0.85	0.00	0.00	0.00	0.38	18.57	6.88
695.	157.07	155.50	59.48	807.36	0.39	0.08	0.61	-1.18	0.00	0.00	0.00	0.39	18.60	7.37
700.	149.22	154.67	69.68	720.06	0.38	0.08	0.59	-1.10	0.00	0.00	0.00	0.38	18.60	5.39
705.	140.47	149.72	10.07	763.71	0.37	0.08	0.49	2.97	0.00	0.00	0.00	0.36	18.66	3.39
710.	124.88	142.15	19.29	741.90	0.36	0.08	0.51	2.21	0.00	0.00	0.00	0.34	18.74	2.62
715.	133.80	146.25	29.51	720.06	0.35	0.08	0.51	0.76	0.00	0.00	0.00	0.33	18.86	6.07
720.	135.45	136.63	40.03	698.26	0.36	0.08	0.46	-0.58	0.00	0.00	0.00	0.32	18.93	6.00

PRC15-W-4-1/2

TIME	42	43	44	45	46	47	48
0.	4.35	0.51	-1.34	1.22	-1.09	0.00	0.00
0.	-0.76	-0.36	0.73	-0.90	-0.29	0.00	0.00
0.	-1.96	0.44	0.81	-0.15	0.46	0.00	0.00
0.	-0.41	-0.88	-0.68	0.31	-1.68	0.00	0.00
0.	-0.46	0.09	0.09	-0.09	1.37	0.00	0.00
0.	-0.77	0.21	0.39	-0.38	1.23	0.00	0.00
5.	2.26	0.38	-0.99	-2.04	-1.06	0.01	5.00
10.	-0.04	0.61	1.41	-1.83	-0.45	0.04	10.00
15.	4.47	0.08	1.99	-1.76	-0.19	0.06	15.00
20.	4.13	-0.48	1.42	-1.28	-1.90	0.10	20.00
25.	6.44	-2.43	0.42	-1.47	-2.08	0.17	25.00
30.	5.36	-0.82	1.41	-0.49	-0.41	0.28	30.00
35.	3.31	0.49	2.05	-2.01	-0.93	0.45	35.00
40.	4.12	-0.38	0.79	-2.29	1.45	0.83	40.00
45.	4.73	1.01	-0.82	-0.72	0.50	1.19	45.00
50.	7.51	-1.07	0.04	0.28	-0.86	1.64	50.00
55.	7.41	1.83	1.05	-0.76	-1.74	2.02	55.00
60.	6.26	0.08	-0.29	-2.22	0.58	2.57	60.00
65.	4.34	2.71	-0.95	1.12	-0.86	2.99	65.00
70.	5.75	3.27	-2.16	0.91	0.65	3.37	70.00
75.	7.89	0.03	3.19	-1.21	-4.60	3.80	75.00
80.	6.95	2.01	1.62	-2.62	-2.55	4.31	80.00
85.	7.76	1.79	-2.32	-0.40	2.26	5.11	85.00
90.	5.81	3.20	0.25	-2.13	0.07	5.49	90.00
95.	8.03	2.16	2.30	-1.17	0.49	5.94	95.00
100.	4.67	4.20	-1.38	-2.37	0.68	6.43	100.00
105.	6.64	3.74	0.19	-1.24	-1.47	7.11	105.00
110.	4.95	3.27	1.22	-0.14	-2.37	7.46	110.00
115.	7.72	3.72	-1.67	-1.92	-2.32	7.58	115.00
120.	5.54	3.33	-0.61	0.38	0.55	7.71	120.00
125.	7.79	3.23	1.77	-2.27	-1.90	7.48	125.00
130.	6.88	1.65	2.89	-1.60	-0.58	7.80	130.00
135.	4.59	4.03	0.47	-0.18	-0.63	7.94	135.00
140.	9.73	3.39	-2.08	-4.13	1.19	7.88	140.00
145.	7.16	4.02	-1.10	-1.28	0.88	7.84	145.00
150.	6.13	3.86	-1.63	0.86	-2.39	7.75	150.00
155.	7.31	1.50	0.59	-1.53	-2.50	7.70	155.00
160.	5.93	4.05	-0.87	-3.01	0.97	7.62	160.00
165.	7.40	6.71	0.47	-2.29	-1.83	7.52	165.00
170.	6.36	2.33	1.75	-4.51	-0.36	7.51	170.00
175.	8.66	3.77	-1.75	-0.63	-0.48	7.57	175.00
180.	4.87	0.70	2.06	-1.81	-1.26	7.63	180.00
185.	5.20	5.53	0.13	-1.70	-0.41	7.22	185.00
190.	6.59	2.54	0.32	0.00	-3.89	7.26	190.00
195.	3.07	4.54	0.69	-1.25	0.20	7.36	195.00
200.	7.25	2.33	-0.22	-1.86	-1.29	7.07	200.00
205.	4.47	0.76	0.90	-1.31	0.75	7.32	205.00
210.	3.77	3.66	-0.29	-3.68	2.00	7.23	210.00
215.	9.15	1.17	-0.91	-2.20	0.38	7.14	215.00
220.	8.22	2.52	2.16	-4.42	2.07	7.28	220.00

PRC15-W-4-1/2

TIME	42	43	44	45	46	47	48
225.	6.98	3.73	-0.51	-0.10	-1.52	7.01	225.00
230.	6.63	1.47	1.03	-1.79	-1.42	7.17	230.00
235.	9.27	1.71	3.51	-1.60	-1.13	7.07	235.00
240.	8.41	-0.41	4.30	-1.84	-4.21	6.95	240.00
245.	4.14	4.03	0.49	-1.24	0.55	6.76	245.00
250.	6.60	1.79	0.85	-2.01	1.39	7.00	250.00
255.	7.98	-0.83	2.43	-2.77	-0.12	6.96	255.00
260.	4.72	0.97	1.70	-2.83	-0.39	6.99	260.00
265.	9.39	2.80	-1.64	-2.22	-0.60	6.78	265.00
270.	5.80	4.65	0.08	-0.93	-0.44	6.67	270.00
275.	6.36	2.01	-0.19	-3.03	1.84	6.69	275.00
280.	8.98	2.47	-0.25	-0.48	-0.68	6.63	280.00
285.	7.21	3.76	0.79	-2.05	-2.95	6.60	285.00
290.	6.29	2.32	2.22	-2.23	-0.77	6.49	290.00
295.	6.08	3.62	0.92	-0.59	-2.63	6.70	295.00
300.	8.92	1.37	1.77	-2.53	0.84	6.48	300.00
305.	9.44	0.66	1.83	-1.71	-0.83	6.27	305.00
310.	8.15	3.98	-2.23	-1.54	-1.63	6.36	310.00
315.	7.01	3.59	-0.17	-3.52	0.71	6.22	315.00
320.	4.35	6.29	-0.58	0.87	-1.83	6.11	320.00
325.	11.22	-0.78	1.77	-3.04	-3.29	6.22	325.00
330.	6.51	2.28	0.53	-1.37	-3.32	6.17	330.00
335.	7.52	1.56	2.51	-2.58	-0.58	6.32	335.00
340.	5.50	3.60	-0.98	-0.64	-1.23	6.13	340.00
345.	8.23	2.67	-1.42	-2.12	-1.64	6.06	345.00
350.	8.18	0.84	2.09	-1.77	-2.74	6.00	350.00
355.	7.79	0.50	1.85	-1.83	-1.89	6.00	355.00
360.	4.84	2.88	1.04	-2.14	1.10	5.97	360.00
365.	8.72	3.33	0.32	-3.13	-0.39	5.91	365.00
370.	7.26	2.63	0.87	-1.81	-2.25	5.84	370.00
375.	5.68	2.99	-0.93	1.52	-5.71	5.84	375.00
380.	4.40	1.33	2.72	-1.86	0.33	5.76	380.00
385.	9.39	0.62	1.04	0.56	-2.66	5.72	385.00
390.	4.30	4.39	-1.50	-1.47	-0.42	5.74	390.00
395.	7.27	3.43	0.32	-1.85	-2.12	5.62	395.00
400.	8.76	-0.21	2.77	-1.29	0.17	5.54	400.00
405.	4.71	3.21	-0.65	1.35	-1.68	5.70	405.00
410.	5.20	2.71	-0.73	-1.89	-2.67	5.55	410.00
415.	7.02	2.01	2.08	-2.61	-1.38	5.61	415.00
420.	5.87	3.63	-0.08	-1.28	-1.05	5.48	420.00
425.	4.08	2.38	-0.12	-1.13	-1.25	5.57	425.00
430.	4.26	1.69	0.39	-0.58	-1.21	5.44	430.00
435.	7.52	1.59	1.87	-2.92	0.87	5.20	435.00
440.	6.81	1.31	0.60	-0.86	-1.79	5.16	440.00
445.	8.77	2.02	-0.21	-1.01	-0.76	5.22	445.00
450.	5.40	3.50	-0.50	0.17	-1.03	4.94	450.00
455.	5.34	0.90	1.86	-1.75	-0.93	4.86	455.00
460.	7.89	2.45	-0.05	-2.82	0.07	5.00	460.00
465.	7.23	2.66	0.06	-1.37	-1.60	4.83	465.00
470.	9.10	1.23	1.13	-2.35	-0.12	4.59	470.00

PRC15-W-4-1/2

TIME	42	43	44	45	46	47	48
475.	4.66	3.56	0.64	-2.25	-1.00	4.42	475.00
480.	10.07	0.26	1.34	-2.55	-2.10	4.29	480.00
485.	6.35	3.08	0.28	-1.15	-2.09	4.14	485.00
490.	7.09	3.20	-1.14	-0.71	-2.96	4.05	490.00
495.	6.95	0.32	1.19	-1.40	-2.47	3.88	495.00
500.	4.46	6.30	-2.14	-1.26	0.35	3.83	500.00
505.	4.30	3.81	0.13	-0.80	-1.36	3.63	505.00
510.	5.40	3.51	0.15	-0.98	-0.64	3.62	510.00
515.	6.35	2.70	0.43	-0.66	-2.13	3.52	515.00
520.	3.97	0.99	1.80	-3.08	0.55	3.53	520.00
525.	9.03	-0.42	1.12	-2.64	0.10	3.38	525.00
530.	7.33	2.20	-0.40	-1.46	-0.44	3.36	530.00
535.	4.78	2.74	-0.06	-0.54	-1.61	3.18	535.00
540.	6.72	2.77	-0.63	-0.84	-2.51	3.19	540.00
545.	3.32	3.40	0.97	-1.31	-2.48	2.98	545.00
550.	4.01	1.05	1.00	-1.50	-2.15	2.80	550.00
555.	5.91	5.47	-2.82	-1.85	-3.38	2.38	555.00
560.	4.22	0.44	1.61	-3.85	-2.05	2.41	560.00
565.	4.26	0.65	3.09	-4.26	-1.19	2.33	565.00
570.	6.36	0.96	1.77	-2.77	-1.31	2.32	570.00
575.	4.21	0.75	2.27	-3.03	-2.39	2.33	575.00
580.	6.84	0.36	2.19	-2.58	-2.64	2.24	580.00
585.	7.53	0.09	1.89	-2.13	-2.63	2.24	585.00
590.	5.07	1.60	0.87	-1.21	-1.12	2.24	590.00
595.	6.39	0.63	2.34	-3.60	-0.03	2.09	595.00
600.	4.11	0.44	1.22	-2.26	-0.67	1.99	600.00
605.	7.12	1.31	0.67	-2.23	-1.99	1.98	605.00
610.	3.93	0.41	1.67	-2.12	-1.45	1.94	610.00
615.	4.13	-0.38	2.18	-2.89	-2.52	1.92	615.00
620.	3.56	1.99	1.13	-2.04	-1.65	1.78	620.00
625.	4.80	1.07	1.76	-2.67	-0.90	1.80	625.00
630.	4.70	2.27	-0.56	-1.34	-0.07	1.79	630.00
635.	3.94	2.98	0.25	-0.86	-1.52	1.67	635.00
640.	4.28	1.59	0.92	-1.61	-2.12	1.59	640.00
645.	5.60	1.02	0.21	-1.30	-3.03	1.57	645.00
650.	5.33	-0.06	2.32	-2.11	-0.34	1.51	650.00
655.	5.04	2.02	0.08	-0.53	-0.26	1.43	655.00
660.	2.72	3.24	0.59	-1.77	-0.49	1.49	660.00
665.	6.26	0.62	1.23	-1.19	-2.09	1.43	665.00
670.	5.65	0.20	1.88	-1.17	-2.03	1.31	670.00
675.	4.85	0.66	1.52	-1.60	-2.28	1.13	675.00
680.	4.75	0.14	2.17	-3.23	-1.90	1.13	680.00
685.	5.35	0.41	1.33	-2.67	-1.58	1.11	685.00
690.	2.95	2.70	-0.34	-0.59	-0.55	1.07	690.00
695.	2.95	2.41	-0.61	-0.88	-2.02	1.07	695.00
700.	4.20	1.68	0.42	-1.26	-1.19	1.04	700.00
705.	5.27	0.00	1.31	-1.23	-2.71	0.94	705.00
710.	5.05	0.41	1.15	-2.63	-0.70	0.89	710.00
715.	1.40	4.45	-1.88	-0.85	0.40	0.76	715.00
720.	4.48	3.27	-0.22	-0.47	-1.48	0.70	720.00

PRC13-P-2-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	23.00	22.72	22.75	22.70	22.32	22.27	22,15	24.90	24.38	24.63	24.22	24.00	23.72	23.40
0.	22.95	22.82	22.42	22.67	22.38	22.20	22.15	24.85	24.75	24.65	24.22	23.92	23.65	23.32
0.	23.52	23.02	22.47	22.80	22.22	22.20	22.15	24.82	24.77	24.60	24.20	24.05	23.75	23.35
0.	23.75	23.00	22.40	22.82	22.67	22.05	22.00	24.80	24.32	24.63	24.30	24.07	23.70	23.37
0.	23.95	23.02	22.52	23.02	22.55	22.17	22.00	24.82	24.30	24.57	24.30	23.97	23.80	23.35
0.	23.95	22.92	22.60	22.95	22.30	22.50	22.30	24.85	24.77	24.60	24.30	24.07	23.75	23.35
5.	23.97	23.70	23.63	23.42	23.00	22.12	22.22	25.17	28.35	24.70	24.25	24.32	24.22	24.07
10.	27.27	31.49	25.00	23.45	23.13	22.17	22.35	25.57	30.35	28.80	28.82	29.80	29.02	29.42
15.	36.66	32.39	23.95	23.20	23.20	22.63	22.45	26.30	37.78	33.66	32.93	32.41	31.39	32.24
20.	41.98	35.73	24.95	23.07	22.85	22.45	22.40	27.00	45.12	38.15	37.05	38.17	37.02	37.68
25.	57.17	47.49	31.17	23.27	23.70	22.55	22.22	29.13	59.12	46.51	45.76	48.05	48.22	49.68
30.	85.93	61.48	32.49	23.72	24.50	22.72	22.47	32.07	80.26	65.19	64.02	67.86	66.88	66.64
35.	120.88	91.86	43.49	24.10	24.72	22.75	22.57	38.15	120.73	114.54	118.37	125.88	103.54	106.22
40.	165.45	154.97	41.93	24.45	24.57	22.65	22.67	46.68	183.35	148.67	151.50	157.85	152.95	159.32
45.	232.90	200.93	48.15	24.22	25.30	22.80	22.97	54.66	254.32	230.05	228.50	229.17	205.39	198.71
50.	250.61	239.19	60.48	25.10	25.60	22.38	22.35	66.19	288.29	260.44	252.22	261.56	246.41	259.24
55.	271.12	223.88	49.24	25.30	26.13	22.65	22.65	83.57	357.19	304.63	297.07	294.66	284.41	279.58
60.	311.88	275.19	64.05	25.72	26.40	22.70	22.82	102.49	362.17	330.48	321.64	317.62	306.00	301.76
65.	309.51	266.27	81.57	26.07	26.67	23.02	23.20	122.63	370.50	347.29	344.45	345.79	326.76	314.90
70.	309.46	283.98	91.36	26.63	27.42	22.85	22.95	142.15	371.42	353.67	352.76	350.45	342.19	322.40
75.	314.54	285.71	96.00	27.42	28.20	23.20	23.20	156.82	395.59	366.79	365.83	355.55	341.74	340.98
80.	311.09	302.44	84.48	27.65	27.85	22.57	22.95	169.65	390.55	365.09	365.19	369.79	368.38	360.55
85.	315.17	302.95	118.02	27.55	27.67	23.20	23.05	181.70	398.48	370.86	370.98	367.09	360.71	349.40
90.	316.38	294.00	186.67	27.65	28.22	23.10	23.20	196.80	410.93	395.40	383.38	367.79	368.38	362.81
95.	321.79	314.95	124.90	28.15	28.37	22.92	23.32	205.17	409.32	397.86	389.57	369.67	365.21	355.33
100.	324.86	316.93	173.75	29.10	28.25	22.80	22.92	217.55	429.55	402.21	394.79	385.78	370.86	367.67
105.	321.55	321.07	167.05	27.27	29.25	23.13	22.97	225.92	409.42	403.98	397.12	390.55	381.95	382.19
110.	326.24	317.41	165.55	26.82	29.70	22.92	22.65	227.90	405.19	400.38	396.50	393.26	383.38	382.31
115.	338.80	303.98	152.65	27.25	29.32	23.02	22.95	235.98	430.57	408.69	395.02	389.76	370.44	369.00
120.	327.64	311.09	167.22	28.47	28.95	23.37	23.17	241.80	401.46	398.95	391.62	382.57	362.46	362.90
125.	324.52	291.24	167.30	28.17	29.17	22.90	23.17	243.73	401.37	386.93	383.29	369.46	369.69	363.69
130.	341.29	316.00	160.32	28.15	29.02	22.90	23.15	246.63	424.50	390.31	382.31	370.07	368.48	363.38
135.	327.95	294.34	124.83	27.75	29.37	22.72	22.95	248.76	405.74	385.90	368.07	366.46	363.64	356.00
140.	323.48	291.71	175.55	30.54	29.63	22.82	23.40	251.02	395.33	388.52	380.52	368.21	364.43	358.00
145.	340.66	312.17	133.60	30.41	29.51	22.88	23.27	256.44	407.26	392.86	385.88	382.48	364.58	364.62
150.	338.83	312.45	199.51	29.88	29.63	23.07	23.50	260.32	406.59	393.19	388.14	386.07	369.46	370.46
155.	341.88	316.80	185.07	28.75	30.12	23.07	23.25	264.85	426.43	404.52	400.33	392.81	383.95	371.53
160.	339.22	311.32	191.52	28.42	29.00	22.67	23.17	268.63	410.40	404.12	394.98	390.21	381.93	364.02
165.	341.32	314.71	176.25	31.44	30.15	22.80	22.95	274.15	429.21	407.38	398.29	394.62	381.14	365.53
170.	330.09	315.00	152.92	29.10	30.00	23.05	23.07	275.17	404.79	404.90	396.36	389.19	365.95	367.00
175.	344.22	316.24	139.32	27.92	31.39	22.75	23.40	277.80	410.39	396.29	389.45	386.14	367.58	363.74
180.	340.69	313.00	179.15	27.07	31.15	23.00	23.27	279.39	406.21	398.21	392.98	386.29	364.53	363.64
185.	339.51	306.17	165.12	29.82	31.61	22.75	23.07	279.07	396.35	388.14	384.17	380.76	362.86	362.76
190.	328.21	307.00	147.63	30.88	31.12	22.85	23.00	280.34	399.57	395.67	389.55	382.81	369.81	361.17
195.	324.33	292.88	162.70	29.17	31.88	22.72	23.20	279.85	387.12	385.09	367.70	360.69	359.98	357.19
200.	319.95	293.36	175.70	29.34	31.10	22.45	22.75	279.34	389.31	380.76	361.70	366.52	354.00	348.48
205.	319.26	304.00	170.10	29.65	31.07	23.13	23.35	279.83	382.43	368.12	363.26	369.93	358.09	350.83
210.	324.88	303.19	188.57	29.82	31.41	23.10	23.10	280.00	393.32	370.44	366.16	364.56	361.05	353.14
215.	325.95	301.95	167.50	29.30	31.66	23.07	23.20	279.05	370.21	363.86	361.70	369.43	364.64	362.93
220.	314.45	293.05	169.50	29.40	30.83	22.90	23.00	278.78	384.33	368.26	370.00	365.95	356.52	351.57

PRC13-P-2-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	323.02	304.98	140.77	29.50	30.95	22.75	23.22	278.88	364.26	365.88	363.07	367.21	356.17	355.00
230.	312.00	305.68	160.38	28.97	32.54	22.57	23.47	278.73	361.77	363.67	358.83	355.45	348.88	346.52
235.	312.67	310.49	155.47	28.07	32.12	23.13	23.67	278.85	364.53	362.55	359.38	358.36	350.59	350.40
240.	319.95	315.44	192.52	29.17	31.54	22.88	23.50	282.88	386.38	381.45	368.81	366.63	362.98	358.95
245.	342.58	325.57	157.07	36.49	31.54	22.95	23.40	285.78	389.71	382.36	367.63	365.65	366.29	370.00
250.	345.17	316.21	155.25	32,17	31.68	23.17	23.92	289.63	400.71	387.98	381.88	370.51	363.02	362.02
255.	340.83	316.07	161.47	31.78	31.83	22.75	23.65	289.34	382.50	371.42	367.46	367.58	365.31	362.36
260.	325.50	311.33	161.92	29.65	32.12	22.97	23.65	288.90	371.42	365.93	368.69	364.79	355.36	350.09
265.	328.09	307.90	182.95	29.50	30.58	22.97	23.65	289.46	369.91	361.65	366.52	363.64	356.09	351.38
270.	318.74	313.67	189.97	29.32	32.07	23.13	23.37	289.34	367.31	365.62	361.57	359.55	349.74	344.05
275.	318.67	315.58	175.60	29.82	31.00	22.92	23.75	289.07	363.57	365.98	360.40	358.93	348.21	344.64
280.	316.71	309.05	216.50	29.40	31.07	23.15	23.65	288.32	363.35	368.09	364.48	360.02	348.50	343.14
285.	313.88	308.80	153.45	29.40	31.58	23.25	24.17	287.15	363.37	359.09	357.40	354.02	344.57	340.86
290.	311.86	309.78	198.45	29.22	31.19	23.22	23.80	285.78	354.54	350.64	347.62	345.88	345.93	341.43
295.	314.12	304.41	126.98	29.05	31.46	23.25	23.95	284.29	352.98	349.05	346.48	343.64	344.44	344.93
300.	310.81	305.39	144.67	32.80	32.71	23.35	24.77	282.98	355.55	348.74	346.36	345.69	346.73	347.27
305.	312.51	304.41	138.10	29.73	30.93	23.22	23.95	281.80	350.50	346.83	344.14	341.71	341.12	341.37
310.	306.95	292.68	139.27	29.80	32.56	23.07	23.95	279.98	346.36	343.29	348.54	347.19	340.10	340.95
315.	314.95	296.95	171.02	29.47	31.71	23.17	24.00	278.49	348.12	347.51	344.88	341.88	327.05	325.36
320.	292.88	290.83	148.77	29.30	32.07	23.25	23.52	276.05	347.44	340.63	339.61	329.33	321.21	321.69
325.	293.59	285.07	151.35	29.45	31.93	23.17	23.55	274.66	329.30	328.93	326.14	326.62	323.55	327.40
330.	296.37	293.27	177.32	29.13	31.32	23.25	23.47	272.19	325.52	325.67	323.36	323.69	318.64	319.45
335.	292.80	287.56	129.22	28.82	31.32	23.05	23.42	269.71	318.57	318.45	315.45	313.98	310.95	311.74
340.	283.93	276.73	185.32	29.52	32.05	23.40	23.30	267.32	316.52	314.45	312.95	311.38	312.95	314.17
345.	285.56	279.98	138.97	29.02	30.27	22.85	23.47	265.68	323.26	316.21	312.79	312.31	314.44	317.02
350.	290.12	280.12	153.42	28.55	32.10	23.22	24.00	263.73	311.45	314.67	311.76	312.90	315.15	314.73
355.	280.56	273.39	101.78	28.65	31.05	23.77	23.30	261.61	316.33	314.71	312.78	312.56	310.29	313.17
360.	274.27	269.46	138.85	28.42	31.12	23.35	23.82	259.56	311.33	308.07	306.83	305.66	301.68	302.56
365.	273.51	263.93	146.12	27.77	30.63	24.35	23.52	257.19	303.76	303.66	302.39	293.40	295.80	290.95
370.	266.17	252.56	136.05	29.00	31.05	23.20	23.52	254.85	304.32	293.50	291.81	297.58	293.51	294.61
375.	265.58	257.22	148.25	27.70	31.00	23.02	22.82	252.29	293.38	295.12	293.54	293.22	288.95	288.05
380.	**283.73**	**241.07**	**147.27**	**27.70**	**30.15**	**23.20**	**23.15**	**250.44**	**294.56**	**293.80**	**293.83**	**292.61**	**287.44**	**287.00**
385.	257.85	255.78	125.15	29.37	30.90	23.13	23.22	248.22	292.50	289.93	286.83	284.41	281.50	282.02
390.	255.54	252.51	125.46	29.85	29.73	23.17	23.07	246.27	286.19	284.83	282.95	283.15	279.44	281.32
395.	252.68	252.24	106.07	29.57	30.85	23.27	23.67	244.37	283.19	282.34	280.85	280.10	277.54	279.05
400.	253.15	244.07	107.05	29.17	30.63	23.07	23.40	242.34	280.54	277.56	276.54	274.61	270.63	273.17
405.	261.19	241.88	111.00	28.82	32.66	24.32	23.70	240.46	278.58	275.17	274.02	274.17	270.19	273.54
410.	259.27	241.39	78.66	28.50	29.56	23.02	23.30	238.32	275.22	273.22	273.29	273.24	270.15	272.54
415.	251.68	239.66	101.78	28.45	32.61	23.02	23.52	236.10	271.58	268.90	268.15	268.39	265.00	269.19
420.	247.95	234.93	115.93	27.88	31.76	23.30	23.63	234.17	266.41	267.90	266.15	266.12	263.46	264.17
425.	245.44	231.40	105.05	27.52	31.29	23.25	23.07	232.29	263.56	262.83	261.78	262.39	259.37	259.27
430.	245.22	230.34	112.02	28.02	29.61	22.88	23.90	230.10	259.39	258.34	257.58	257.90	255.98	256.02
435.	242.46	224.37	97.24	28.85	31.73	22.67	23.17	228.27	259.02	257.15	255.39	254.73	251.68	251.83
440.	239.24	231.50	108.07	28.55	31.39	22.80	22.92	231.97	253.46	252.49	251.71	251.29	248.44	249.49
445.	237.00	227.30	87.59	27.75	30.37	22.97	23.32	229.67	249.73	248.58	248.49	248.63	245.54	245.12
450.	228.80	217.60	89.71	27.15	30.10	23.32	22.95	227.82	246.44	246.49	246.49	245.32	242.90	243.41
455.	230.05	206.76	79.19	27.38	30.07	23.47	23.55	225.70	242.29	243.22	242.49	242.39	240.10	242.22
460.	229.34	207.73	87.59	27.25	31.88	23.65	23.10	223.77	239.41	240.37	240.54	241.93	240.39	242.93
465.	229.70	207.29	83.38	27.10	30.90	23.55	23.42	222.00	238.27	238.44	237.17	237.19	234.56	235.93
470.	229.60	201.24	88.71	27.38	29.76	23.40	23.17	220.10	235.76	235.46	234.80	235.19	232.80	234.17

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	224.47	201.41	95.81	27.25	29.54	23.50	22.82	218.32	231.35	231.63	229.98	230.12	229.15	231.44
480.	223.05	200.98	85.71	26.97	30.27	23.50	22.95	216.67	228.98	228.05	232.88	233.22	232.95	230.90
485.	219.50	202.95	93.12	26.97	29.95	23.65	22.70	214.75	230.32	229.47	228.30	228.00	227.42	232.15
490.	213.95	199.78	96.52	27.00	29.73	23.52	22.90	207.68	227.20	226.05	225.52	226.63	226.12	229.13
495.	214.22	197.57	92.55	26.88	30.88	24.02	22.70	205.95	224.17	224.45	221.90	222.75	222.35	226.17
500.	204.71	192.63	73.41	26.88	30.44	23.30	23.27	204.22	220.70	221.25	219.77	219.62	219.30	220.95
505.	202.05	188.10	77.19	26.72	29.32	23.32	22.63	202.27	217.47	216.55	215.55	216.65	217.02	218.65
510.	203.25	190.55	77.71	26.82	30.66	23.42	22.88	200.54	213.77	214.38	213.60	214.22	213.77	216.00
515.	200.65	189.70	60.90	27.05	30.00	23.42	23.00	198.80	206.35	205.93	205.63	207.05	206.17	214.62
520.	198.52	185.15	70.17	27.15	29.78	23.20	23.13	202.20	203.71	202.78	202.85	203.83	203.85	206.98
525.	196.20	180.25	70.15	26.57	29.93	23.05	22.85	200.42	200.53	200.12	199.90	200.17	200.98	204.54
530.	193.82	182.38	71.02	26.40	29.66	23.22	22.90	198.77	198.41	199.02	198.54	199.68	199.27	202.41
535.	192.07	178.87	67.69	26.30	28.92	23.17	22.85	197.07	199.10	199.85	199.47	201.32	200.70	198.95
540.	188.50	171.65	64.12	26.20	29.98	23.42	22.85	195.45	197.40	196.90	196.45	198.38	197.32	200.92
545.	186.00	169.97	58.02	26.13	30.12	23.40	23.00	193.97	196.25	197.00	196.87	198.15	196.97	200.07
550.	184.50	165.82	57.34	26.05	29.00	22.85	22.85	192.57	194.72	195.50	194.65	195.52	194.97	197.77
555.	180.80	165.82	71.44	25.57	29.82	23.22	22.95	190.85	189.27	189.72	190.15	191.30	191.50	193.45
560.	179.35	151.67	75.37	25.67	29.75	23.10	22.77	189.27	186.02	185.42	186.97	189.42	188.70	190.60
565.	178.75	158.10	69.76	26.05	29.46	23.50	22.72	187.82	183.30	184.77	185.87	188.00	186.55	189.15
570.	175.27	157.13	63.07	26.42	29.90	22.92	22.38	186.30	182.72	182.92	183.25	185.05	184.67	185.12
575.	170.50	148.90	54.85	26.30	29.80	22.80	22.38	184.90	177.75	180.07	180.55	182.20	181.55	183.13
580.	169.07	146.97	67.12	26.17	29.97	22.82	22.57	183.40	176.70	177.85	178.40	179.67	178.50	180.82
585.	166.65	142.95	70.29	26.02	28.27	22.88	22.82	182.07	173.38	175.35	176.07	177.00	176.55	177.95
590.	163.35	143.60	65.69	25.70	29.62	22.92	22.67	180.70	172.55	173.40	172.72	173.82	172.70	174.52
595.	162.30	133.97	61.31	25.95	28.75	23.27	22.55	179.37	171.37	172.42	173.13	173.25	170.38	168.88
600.	160.07	128.93	56.88	25.65	28.85	23.27	22.82	178.13	170.45	170.82	170.77	170.67	167.75	164.60
605.	158.13	112.85	55.93	25.88	29.32	23.55	22.97	176.92	165.25	166.65	167.42	167.50	164.95	165.05
610.	155.82	111.24	57.51	25.63	26.32	23.50	23.50	175.60	165.40	164.13	164.70	164.60	159.95	156.52
615.	143.95	114.49	50.98	25.38	28.30	23.52	23.07	174.40	164.50	163.22	161.80	162.30	159.52	153.70
620.	147.60	106.78	55.39	25.50	29.13	23.57	22.95	173.25	163.77	160.00	156.85	154.35	147.25	147.70
625.	142.82	109.41	59.24	25.88	28.57	23.15	22.77	172.13	162.38	159.72	156.22	153.67	146.88	149.22
630.	141.17	109.12	56.07	25.70	28.80	23.67	22.88	170.90	160.35	157.40	153.05	150.15	141.40	144.77
635.	138.05	101.66	52.46	25.50	29.20	23.80	22.97	169.90	158.45	156.85	151.07	150.45	143.57	142.92
640.	129.61	102.73	50.02	25.25	27.05	23.60	23.25	168.80	158.40	153.22	146.65	147.45	141.57	141.55
645.	133.57	100.05	56.88	25.35	28.95	23.40	23.15	167.65	155.32	152.02	147.40	144.92	139.67	128.24
650.	128.22	83.09	56.24	25.25	28.27	23.42	22.97	166.72	154.52	151.20	147.57	141.97	136.67	128.29
655.	127.00	88.02	51.17	25.47	28.40	23.25	23.05	165.67	153.50	150.25	146.20	140.15	134.15	124.78
660.	122.54	91.69	49.34	25.25	28.95	23.47	22.82	164.75	152.32	148.25	140.88	135.97	129.58	123.83
665.	119.22	83.45	53.12	25.10	27.60	23.22	22.85	163.72	152.02	147.57	140.67	134.32	124.88	123.93
670.	120.76	86.83	50.54	25.27	26.75	23.30	22.45	162.72	151.15	146.30	138.40	133.85	125.73	120.32
675.	117.66	86.19	48.27	25.32	28.42	23.20	22.80	161.77	149.25	145.27	136.88	127.90	124.46	116.29
680.	119.98	84.83	48.95	25.13	27.80	22.92	22.50	160.95	148.50	144.15	135.32	125.73	120.71	113.58
685.	112.63	83.24	55.00	25.22	27.42	23.55	22.38	160.10	148.40	143.95	134.32	124.02	119.15	111.44
690.	111.22	80.90	56.37	25.22	27.17	23.57	22.55	159.22	148.42	142.50	129.90	123.51	116.17	112.00
695.	108.61	79.67	46.39	25.47	27.12	23.25	22.65	158.40	146.70	143.17	134.60	122.07	113.44	107.98
700.	108.24	77.71	47.78	25.25	28.17	23.77	22.80	157.42	145.32	141.92	129.07	121.19	114.44	108.02
705.	106.58	77.56	43.66	25.67	26.40	23.37	22.60	156.70	145.15	141.75	127.51	116.63	108.54	105.93
710.	101.15	80.55	43.73	25.47	28.35	23.37	22.70	155.82	144.52	141.13	127.34	116.63	110.54	101.63
715.	102.98	78.24	47.39	25.50	27.40	23.30	22.88	155.02	143.75	140.35	126.29	116.49	110.17	103.12
720.	105.05	75.29	51.19	25.07	27.10	22.82	22.55	154.25	143.42	140.07	125.37	115.12	108.49	101.32

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	23.10	23.00	22.92	23.00	22.88	22.88	22.32	22.38	21.20	23.02	24.80	22.27	22.27	22.10
0.	23.10	22.95	22.85	22.97	22.95	22.75	22.38	22.40	21.25	23.02	24.80	22.20	22.05	22.10
0.	23.02	22.92	22.90	22.97	22.95	22.90	22.38	22.45	21.27	22.95	24.75	22.27	22.10	22.15
0.	23.05	22.95	22.82	23.02	23.00	22.88	22.40	22.40	21.22	23.05	24.82	22.32	22.17	22.12
0.	23.02	22.92	22.85	22.97	23.00	22.95	22.45	22.45	21.25	23.10	24.80	22.38	22.20	22.15
0.	23.10	22.92	22.90	22.97	23.10	22.97	22.40	22.45	21.30	23.13	24.82	22.32	22.25	22.17
5.	23.82	23.85	23.55	23.67	23.37	23.50	22.97	23.00	21.25	23.63	25.17	22.90	22.80	22.57
10.	27.22	24.97	24.15	24.10	23.80	24.02	23.20	23.17	21.35	24.05	25.45	23.00	22.97	22.60
15.	31.76	31.27	28.37	25.00	24.92	24.95	23.65	23.35	21.35	24.67	25.92	23.17	23.17	22.70
20.	37.41	36.05	31.22	27.10	26.02	26.15	23.92	23.75	21.38	25.82	26.65	23.32	23.35	22.75
25.	48.54	44.37	42.61	37.10	29.88	28.63	24.80	24.45	21.50	29.13	28.67	24.22	24.10	22.77
30.	64.05	58.81	53.41	39.73	34.46	31.83	25.82	25.82	21.70	34.90	31.19	25.17	25.07	23.00
35.	101.02	91.36	74.22	50.95	44.17	39.78	29.80	28.02	21.35	45.00	36.66	26.35	26.22	23.13
40.	156.47	143.92	94.24	62.50	57.00	45.85	31.39	29.51	22.12	56.56	44.49	28.20	27.90	23.47
45.	199.17	199.47	129.93	69.66	58.76	49.32	33.90	30.85	22.12	67.57	57.10	28.63	28.52	23.92
50.	236.49	231.41	162.70	75.29	70.71	54.41	35.51	32.78	22.42	79.26	70.46	30.12	29.88	24.67
55.	255.88	243.95	176.35	87.57	74.95	57.95	39.95	36.22	22.55	101.88	87.50	32.56	32.05	25.52
60.	272.22	247.24	179.45	93.12	86.21	62.36	44.02	39.73	23.22	122.29	112.56	36.41	34.83	26.57
65.	292.14	268.66	207.85	122.76	110.83	72.05	44.80	40.58	23.45	143.90	129.76	37.95	37.54	27.82
70.	309.85	292.02	227.32	127.41	111.49	78.83	49.51	42.02	23.45	154.60	151.52	36.93	37.02	29.62
75.	308.68	290.24	227.88	149.30	112.05	76.22	51.93	43.37	23.45	163.85	164.95	39.95	38.41	30.10
80.	320.31	307.27	245.41	158.97	123.10	79.07	51.51	45.19	24.15	169.97	179.80	40.90	40.90	31.54
85.	317.98	310.22	258.68	169.00	150.42	84.79	53.07	45.73	24.13	169.65	189.30	44.54	42.51	32.88
90.	348.07	315.55	281.34	184.75	155.02	93.33	61.48	53.07	24.55	178.17	198.66	49.71	48.17	34.29
95.	339.56	311.00	277.85	198.41	159.77	100.51	61.69	50.12	24.25	182.52	216.75	45.24	44.17	35.66
100.	352.71	323.67	280.66	197.60	156.25	114.19	64.57	56.44	25.20	187.80	226.72	54.05	52.78	37.27
105.	367.88	329.93	294.05	229.54	167.10	108.10	65.31	50.88	25.38	189.82	232.07	51.56	49.05	39.05
110.	356.31	325.67	307.17	231.92	168.72	107.15	63.98	55.27	25.53	192.45	237.29	55.29	52.66	40.46
115.	348.00	323.40	305.95	245.49	185.05	120.88	73.12	60.00	25.38	200.17	245.02	53.19	51.51	41.98
120.	348.22	316.57	297.68	253.37	194.47	127.15	73.83	58.44	25.35	192.85	250.41	57.68	56.61	42.73
125.	343.58	322.12	294.90	245.54	180.40	129.46	75.76	59.29	25.50	195.02	251.39	51.54	52.61	44.90
130.	344.83	338.56	293.78	236.39	183.67	124.54	83.14	55.51	25.20	191.25	253.73	51.88	50.88	45.32
135.	342.95	326.45	302.85	232.05	192.60	127.93	73.09	59.26	25.10	188.57	254.34	53.24	54.02	45.56
140.	346.44	321.88	302.98	232.83	191.63	117.98	73.05	58.41	25.30	189.70	258.54	58.43	56.22	45.93
145.	346.32	320.48	303.15	247.24	194.92	114.39	74.46	58.34	25.32	194.62	264.66	59.29	56.63	47.10
150.	361.67	342.83	316.10	248.80	203.73	123.12	77.12	58.68	25.90	192.90	267.71	63.98	58.21	47.83
155.	355.07	341.66	314.46	259.39	192.22	122.76	73.32	59.71	26.25	197.65	275.15	59.95	58.27	48.73
160.	354.55	339.95	311.00	260.19	190.70	133.45	73.32	58.61	26.17	198.05	280.37	59.14	57.12	49.66
165.	356.90	340.69	319.40	268.73	197.50	133.55	73.17	59.88	26.47	195.45	282.46	60.24	57.54	50.24
170.	349.05	322.81	308.98	260.63	200.78	125.63	73.29	62.67	26.50	198.39	284.10	61.90	58.56	51.00
175.	347.95	324.17	307.15	249.90	195.52	124.88	83.26	58.38	26.50	193.77	287.27	58.57	58.17	51.32
180.	340.31	324.67	303.58	243.93	185.27	121.51	83.29	63.71	26.55	199.02	287.93	65.93	62.02	51.41
185.	340.48	323.00	306.24	244.15	185.15	128.66	73.21	62.55	26.75	198.50	289.78	62.52	60.43	51.51
190.	341.88	313.79	302.83	232.34	180.22	126.46	83.74	67.52	26.55	200.56	292.02	58.86	59.19	52.10
195.	345.76	323.31	304.39	237.54	168.57	125.24	84.86	66.55	27.20	202.25	289.51	62.12	59.43	52.58
200.	342.19	317.17	294.85	236.10	176.72	125.24	82.71	63.95	27.55	198.98	289.24	63.95	59.67	53.19
205.	344.98	324.43	303.15	242.46	173.27	141.27	85.07	64.62	26.92	202.77	288.71	61.71	61.38	53.32
210.	340.37	314.52	309.15	241.24	173.00	127.93	83.40	59.38	26.35	190.77	287.78	58.55	58.37	52.90
215.	350.93	325.36	297.78	233.46	190.00	128.56	83.09	60.98	26.30	191.63	287.58	58.85	56.66	52.34
220.	339.61	316.85	307.63	238.07	193.32	130.17	83.09	61.79	27.53	198.27	288.32	63.86	63.69	52.22

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	340.73	313.81	306.90	245.68	194.30	129.83	83.95	60.21	27.10	193.72	291.39	61.90	58.79	51.95
230.	339.66	311.93	305.07	241.02	201.10	145.02	89.69	70.44	27.30	199.83	287.93	65.86	64.19	51.78
235.	341.98	316.79	314.83	272.58	184.55	134.40	73.17	63.07	27.35	202.65	288.83	67.40	63.79	52.32
240.	341.88	319.33	312.58	279.83	201.85	147.92	87.39	71.90	28.70	204.61	295.71	71.51	74.80	53.88
245.	360.00	329.17	312.10	284.51	224.45	152.72	85.40	64.62	28.57	204.29	292.29	71.90	67.12	54.73
250.	350.98	324.74	315.00	281.88	220.17	154.20	87.00	66.14	28.57	204.29	293.36	70.76	64.09	55.95
255.	342.81	316.24	315.24	268.63	207.44	147.22	87.83	67.50	28.52	215.45	293.95	65.09	63.14	56.46
260.	342.56	312.14	316.46	275.51	201.37	148.50	94.17	65.33	28.57	203.07	291.83	71.12	67.21	57.17
265.	347.12	317.02	310.61	272.00	198.82	160.87	103.19	78.61	28.32	201.82	292.00	74.68	72.41	57.98
270.	338.61	313.05	310.73	270.29	217.20	158.40	85.07	65.00	28.72	200.32	292.40	69.58	64.50	58.02
275.	328.26	317.49	308.85	260.80	222.10	160.00	82.71	66.98	28.20	201.75	291.88	63.05	62.45	58.00
280.	338.66	312.98	312.78	270.10	208.10	158.50	85.67	66.31	28.47	195.63	293.64	70.00	63.17	57.46
285.	325.43	312.15	290.98	250.76	203.41	145.12	79.27	63.93	29.30	194.45	297.15	70.05	66.71	57.71
290.	339.78	310.62	304.61	251.02	201.35	144.25	83.69	70.49	29.15	195.95	296.90	63.74	66.40	57.46
295.	328.26	311.93	290.86	248.90	202.85	151.77	83.93	64.45	29.17	195.60	293.85	61.12	60.81	56.88
300.	326.69	311.17	293.50	240.80	197.10	159.20	95.79	67.12	29.50	199.97	292.93	70.46	66.86	56.63
305.	316.95	302.98	294.58	244.22	194.97	138.42	95.36	69.78	29.52	198.85	291.44	72.98	69.88	57.07
310.	324.31	305.71	293.07	234.78	190.82	129.15	102.82	71.22	29.75	201.30	288.85	62.57	62.83	57.10
315.	312.38	305.10	281.80	235.12	181.10	128.44	94.93	60.57	29.37	189.92	285.98	63.40	61.43	55.98
320.	318.02	292.69	284.58	233.15	177.05	137.15	84.36	61.55	29.32	184.20	286.05	61.64	62.45	55.73
325.	317.55	295.02	280.61	232.58	181.15	142.67	85.55	63.24	29.32	188.40	284.12	72.71	64.02	55.80
330.	311.68	290.39	278.85	230.35	182.12	147.82	87.40	62.79	29.72	180.27	280.54	65.88	61.12	55.49
335.	306.49	284.80	272.10	228.20	176.27	134.07	83.26	60.48	29.38	180.05	278.29	58.48	58.80	55.37
340.	305.15	289.85	279.10	226.88	175.75	123.02	79.00	61.55	29.55	183.75	275.58	66.19	63.31	55.58
345.	292.40	280.24	275.02	229.54	156.52	121.10	77.64	62.29	29.49	181.25	274.58	66.24	62.38	55.68
350.	293.88	279.63	270.12	220.05	164.02	123.00	73.93	64.69	29.35	183.13	271.93	65.86	60.14	54.93
355.	296.15	279.00	261.17	216.15	157.27	112.83	73.12	63.48	29.32	176.80	269.76	65.21	58.19	54.29
360.	287.93	270.00	258.12	202.22	165.82	115.90	71.58	63.38	29.51	174.72	267.41	65.67	60.64	54.29
365.	283.17	267.95	261.80	203.10	159.35	119.93	73.49	63.00	29.56	172.72	264.90	67.64	62.67	54.19
370.	285.29	268.12	258.22	198.22	149.90	116.00	74.95	63.36	29.34	172.35	261.95	61.76	58.22	54.12
375.	280.27	264.12	253.10	199.77	162.42	118.07	74.32	62.98	29.56	164.52	259.46	62.93	61.36	53.73
380.	274.29	254.85	238.17	197.02	142.27	109.54	75.58	62.00	29.53	163.55	257.78	62.45	60.19	53.17
385.	272.61	257.71	249.29	199.05	155.17	111.39	65.43	60.52	29.58	161.65	255.34	66.59	60.45	53.02
390.	278.90	258.29	236.56	193.30	154.40	106.27	63.43	60.24	29.50	160.42	253.41	67.64	63.19	53.58
395.	271.85	259.00	244.19	194.07	144.32	102.34	63.79	57.61	29.58	160.45	250.60	61.95	58.88	54.07
400.	268.46	258.58	238.68	194.97	145.15	102.61	65.33	58.05	29.32	159.85	248.19	59.24	58.41	53.68
405.	262.90	248.85	231.95	181.80	151.92	114.93	73.80	61.12	29.76	156.17	246.61	58.83	58.93	53.51
410.	260.66	245.51	229.82	184.75	143.40	106.51	63.74	59.79	29.33	152.92	243.78	63.98	59.83	53.37
415.	261.56	245.49	228.56	177.80	136.67	113.02	71.80	57.78	29.30	151.07	241.44	58.69	58.05	52.41
420.	252.90	236.39	225.45	188.65	136.70	115.56	65.86	58.85	29.71	148.02	239.19	56.32	54.05	51.71
425.	247.56	232.61	223.67	186.77	140.15	111.29	65.17	57.95	29.35	149.82	236.85	59.52	58.71	51.17
430.	246.80	233.29	217.70	183.35	145.17	111.32	63.59	58.05	29.38	149.80	234.68	58.02	53.90	50.76
435.	245.68	236.71	206.49	180.65	127.56	110.73	65.14	56.66	29.38	146.52	232.54	58.88	54.68	50.29
440.	237.95	230.15	219.75	179.20	125.71	96.33	63.83	58.22	29.33	142.97	230.58	57.56	56.22	50.15
445.	235.27	228.57	206.27	164.02	115.90	96.69	63.26	57.44	30.32	142.45	227.88	59.45	58.02	50.22
450.	231.02	224.15	214.50	164.97	122.63	89.79	53.00	53.71	30.12	142.22	231.95	59.74	56.29	50.56
455.	230.95	225.50	199.02	150.55	117.71	94.81	63.09	54.32	30.30	139.50	229.67	54.22	53.76	50.46
460.	232.50	220.02	201.72	165.80	115.44	95.17	63.17	54.98	30.37	136.57	227.62	59.22	57.66	49.63
465.	227.10	217.60	203.13	162.72	113.17	87.14	53.14	57.71	30.37	137.72	225.75	54.83	53.10	49.78
470.	228.19	217.72	192.02	141.65	108.34	102.15	53.55	56.07	30.41	135.65	223.70	58.17	55.73	49.44

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	233.13	213.67	197.57	137.63	113.90	96.55	62.07	59.17	30.46	128.71	221.40	55.37	53.46	48.95
480.	233.15	226.27	186.55	125.24	101.63	93.71	61.02	57.46	30.56	133.90	219.38	51.78	52.61	48.49
485.	227.75	208.12	180.97	116.71	91.29	89.83	59.73	54.73	30.44	124.98	217.45	54.12	52.54	48.29
490.	222.92	203.56	180.95	122.83	93.81	87.29	59.26	55.32	30.53	125.68	215.55	59.31	57.83	47.88
495.	220.05	199.60	174.30	118.71	90.21	84.83	59.17	55.66	30.78	127.63	213.00	55.46	52.73	48.02
500.	215.85	198.17	168.47	115.07	101.41	86.38	59.45	56.88	31.32	127.80	206.61	59.29	56.02	48.10
505.	206.95	193.92	170.67	104.39	88.43	91.12	57.88	53.95	30.33	122.71	204.56	54.66	52.19	48.07
510.	204.34	194.13	164.40	104.37	90.12	93.57	59.38	55.61	30.51	119.98	202.71	52.88	50.56	47.66
515.	202.15	192.80	161.65	97.07	80.83	94.29	55.85	52.71	30.73	121.17	201.05	48.39	47.32	47.07
520.	202.46	186.22	156.40	103.88	89.83	86.00	59.63	54.10	30.56	117.90	199.27	55.58	51.95	46.17
525.	203.20	183.15	156.77	103.39	84.00	81.07	59.80	54.95	31.10	120.46	202.50	52.76	50.63	46.02
530.	202.30	177.55	153.30	100.10	78.81	80.14	55.41	51.15	30.71	117.46	200.67	50.17	48.46	46.00
535.	198.65	174.62	153.72	114.34	84.09	81.81	55.83	52.44	31.32	115.63	198.95	57.10	53.95	45.76
540.	197.17	174.50	145.30	105.95	81.36	81.83	57.88	52.05	31.12	113.54	197.30	49.44	47.78	45.44
545.	195.25	166.20	149.50	108.02	80.52	80.79	57.85	51.29	31.32	114.51	195.87	51.63	51.88	44.71
550.	192.00	166.10	153.27	112.27	82.81	77.46	57.05	52.71	31.19	112.24	194.25	55.98	51.32	44.32
555.	185.12	166.65	138.05	106.98	77.88	80.17	57.80	52.17	31.10	108.12	192.63	51.78	47.46	44.17
560.	181.47	162.52	140.00	102.22	74.02	69.80	54.34	52.34	31.41	108.71	191.00	53.63	50.63	44.05
565.	183.35	157.10	133.97	93.90	72.78	71.02	54.41	52.37	31.44	106.37	189.40	51.56	50.07	44.15
570.	171.35	152.45	136.35	91.33	75.54	74.85	52.22	48.39	31.39	103.34	187.80	52.19	49.19	44.12
575.	170.40	156.97	126.15	94.71	74.15	71.98	51.71	49.39	31.10	100.98	186.25	50.05	47.63	43.61
580.	170.45	153.82	127.80	89.12	75.41	78.12	54.17	52.02	31.71	102.17	184.92	53.63	50.46	43.80
585.	166.70	145.27	120.76	93.43	74.44	67.24	52.71	50.37	31.53	101.73	183.50	50.73	49.83	43.98
590.	160.12	146.40	126.85	100.19	73.07	66.00	53.51	48.27	31.71	95.07	182.35	50.49	48.56	43.66
595.	159.35	143.17	121.71	93.40	75.98	72.00	49.56	46.95	31.56	96.67	180.92	47.85	47.44	43.34
600.	156.22	138.65	121.83	83.93	74.00	71.61	51.24	49.39	32.05	95.59	179.75	52.61	51.19	43.46
605.	151.85	140.32	123.56	87.81	77.44	73.95	50.68	47.39	31.41	91.19	178.52	42.95	41.07	43.00
610.	150.15	141.15	126.19	84.98	77.80	75.15	52.63	48.88	31.51	89.83	177.22	46.83	46.00	42.44
615.	145.02	133.88	112.10	85.86	70.98	69.93	53.37	49.78	32.05	91.95	175.92	52.95	50.95	42.41
620.	143.45	133.57	109.93	83.93	73.71	58.39	49.17	49.73	31.98	90.43	174.57	46.90	45.56	42.76
625.	142.52	133.27	105.49	84.38	75.95	59.74	47.46	46.27	31.41	91.40	173.37	43.27	42.05	42.17
630.	138.05	120.61	104.90	81.93	73.95	62.81	47.71	45.76	31.73	89.50	172.20	46.05	44.41	41.37
635.	134.80	120.98	102.68	79.98	64.05	66.81	49.63	46.98	32.32	90.83	170.95	49.05	48.68	41.73
640.	127.71	113.49	104.24	77.46	63.07	58.57	47.10	46.73	32.37	87.38	169.80	46.49	46.24	41.98
645.	120.63	113.49	94.12	77.12	64.71	57.39	45.63	42.73	31.85	84.50	168.60	45.15	44.63	41.37
650.	118.39	109.49	93.00	73.41	64.59	61.83	47.22	43.88	32.85	83.52	167.42	48.00	46.51	40.95
655.	119.44	109.51	88.33	77.10	62.43	58.64	45.00	47.22	32.29	83.07	166.40	47.78	47.12	41.24
660.	117.83	108.93	88.19	74.93	60.29	55.63	44.73	45.51	32.32	80.98	165.17	45.68	44.00	41.44
665.	116.51	109.85	89.50	73.56	60.48	58.29	47.88	45.15	32.37	81.50	164.10	40.71	42.58	40.88
670.	108.90	102.90	89.57	74.58	66.43	60.02	47.15	45.73	32.12	82.02	163.10	42.63	40.83	40.41
675.	108.80	101.93	85.33	73.51	63.57	58.71	44.98	43.88	32.37	81.00	162.12	43.10	43.39	40.46
680.	107.85	101.83	84.64	73.10	66.93	55.78	45.71	44.63	32.41	81.81	161.07	43.88	42.66	40.24
685.	105.10	100.41	85.07	76.63	63.19	55.83	45.22	43.44	32.58	79.45	160.22	44.27	44.02	40.24
690.	103.29	97.17	82.71	71.27	66.74	57.00	45.00	43.00	32.58	78.34	159.35	45.34	42.66	40.29
695.	100.41	97.36	82.95	65.31	63.38	55.32	43.39	44.54	32.49	74.71	158.35	39.78	39.60	40.22
700.	100.39	93.88	81.64	71.56	63.09	52.07	42.63	43.15	32.58	75.39	157.62	42.73	41.05	40.00
705.	97.36	94.38	81.69	70.90	62.69	56.61	44.10	43.05	32.54	76.51	156.72	38.29	40.00	39.29
710.	93.55	93.69	78.21	65.93	58.98	53.61	44.32	44.76	32.90	76.66	156.10	44.58	43.17	39.05
715.	94.31	91.64	78.07	65.38	63.02	51.32	44.19	44.34	32.90	73.80	155.40	43.90	42.00	39.54
720.	93.50	91.45	77.88	65.71	59.55	51.61	42.80	42.66	32.35	73.39	154.60	43.00	40.54	39.58

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	22.50	22.55	19.31	6290.81	-0.00	-0.02	-0.01	0.28	0.00	0.00	0.00	0.00	21.00	-0.04
0.	22.60	22.50	29.53	6232.99	0.00	-0.02	-0.01	-0.08	0.00	0.00	0.00	0.00	20.99	0.15
0.	22.55	22.52	40.01	6290.81	-0.00	-0.02	-0.01	-0.02	0.00	0.00	0.00	0.00	21.00	-1.92
0.	22.60	22.63	50.23	6290.81	-0.00	-0.02	-0.01	-0.03	0.00	0.00	0.00	0.00	20.90	1.65
0.	22.65	22.63	59.50	6319.73	-0.00	-0.02	-0.01	-0.12	0.00	0.00	0.00	0.00	21.00	0.38
0.	22.57	22.67	69.72	6319.73	-0.00	-0.02	-0.01	-0.06	0.00	0.00	0.00	0.00	20.91	-0.22
5.	23.10	23.17	10.05	6377.55	0.00	-0.01	-0.01	0.23	0.00	0.00	0.00	0.00	20.94	0.33
10.	23.72	23.52	19.31	6261.90	0.00	-0.00	0.00	0.42	0.00	0.00	0.00	0.00	20.92	0.08
15.	24.45	24.13	29.54	6290.81	0.01	0.01	0.01	-0.17	0.00	0.00	0.00	0.00	20.91	3.59
20.	25.25	24.85	40.00	6319.73	0.04	0.03	0.05	-0.11	0.00	0.00	0.00	0.00	20.81	2.55
25.	26.67	26.27	50.22	6377.55	0.09	0.09	0.10	-0.20	0.00	0.00	0.00	0.00	20.65	4.52
30.	30.66	29.40	59.49	6290.81	0.19	0.16	0.21	-0.34	0.00	0.00	0.00	0.00	20.42	4.41
35.	34.49	33.61	69.72	6290.81	0.28	0.23	0.35	-0.42	0.00	0.00	0.00	0.00	20.17	7.64
40.	37.41	40.22	10.05	6290.81	0.38	0.31	0.50	2.60	0.00	0.00	0.00	0.00	19.90	7.03
45.	42.88	43.78	19.32	6175.18	0.44	0.41	0.75	2.22	0.00	0.00	0.00	0.00	19.17	5.35
50.	41.85	45.49	29.54	6117.35	0.50	0.47	0.99	0.49	0.00	0.00	0.00	0.00	18.57	3.27
55.	51.39	47.83	40.01	6030.63	0.61	0.53	1.33	-0.56	0.00	0.00	0.00	0.00	17.59	9.55
60.	52.88	54.39	50.23	5857.17	0.71	0.58	1.56	-0.63	0.00	0.00	0.00	0.00	16.62	11.97
65.	59.64	57.88	59.50	5857.17	0.77	0.60	1.69	-0.75	0.00	0.00	0.00	0.00	15.46	12.94
70.	72.46	64.55	69.73	5770.43	0.80	0.59	1.81	-0.70	0.00	0.00	0.00	0.00	14.36	6.85
75.	76.51	73.41	10.05	5686.60	0.87	0.60	2.09	3.81	0.00	0.00	0.00	0.00	13.70	13.54
80.	86.07	81.07	19.32	5637.45	0.89	0.59	2.06	3.20	0.00	0.00	0.00	0.00	13.11	13.98
85.	84.43	86.55	29.55	5495.79	1.02	0.61	2.30	0.90	0.00	0.00	0.00	0.00	12.71	3.95
90.	107.41	93.09	40.02	5400.39	1.01	0.57	2.20	-0.67	0.00	0.00	0.00	0.00	12.62	10.40
95.	92.98	93.98	50.25	5250.05	0.99	0.58	2.52	-0.80	0.00	0.00	0.00	0.00	12.58	6.39
100.	102.56	102.78	59.51	5192.23	1.06	0.55	2.14	-0.91	0.00	0.00	0.00	0.00	12.54	8.51
105.	117.29	122.22	69.73	5085.27	1.06	0.55	2.31	-0.97	0.00	0.00	0.00	0.00	12.79	9.84
110.	134.50	122.07	10.05	4972.52	1.15	0.54	2.38	4.17	0.00	0.00	0.00	0.00	12.74	7.64
115.	155.22	140.07	19.32	4929.15	1.05	0.53	2.37	3.09	0.00	0.00	0.00	0.00	12.76	14.62
120.	133.52	134.82	29.54	4848.20	1.06	0.52	2.06	1.02	0.00	0.00	0.00	0.00	12.95	10.68
125.	127.00	129.93	40.02	4735.46	1.03	0.51	2.15	-0.57	0.00	0.00	0.00	0.00	13.18	11.16
130.	145.63	139.40	50.25	4657.40	1.00	0.50	2.13	-0.83	0.00	0.00	0.00	0.00	13.40	12.32
135.	164.50	150.72	59.51	4562.00	1.02	0.48	1.96	-0.97	0.00	0.00	0.00	0.00	13.66	7.80
140.	139.90	142.17	69.73	4527.30	1.00	0.47	2.02	-0.96	0.00	0.00	0.00	0.00	13.62	14.26
145.	170.30	164.40	10.05	4460.81	0.98	0.47	2.03	4.12	0.00	0.00	0.00	0.00	13.79	11.66
150.	184.60	176.50	19.33	4376.97	1.07	0.47	2.07	3.34	0.00	0.00	0.00	0.00	14.14	12.18
155.	140.25	149.12	29.55	4264.23	1.06	0.48	2.09	1.53	0.00	0.00	0.00	0.00	14.07	15.44
160.	157.80	149.63	40.03	4206.40	1.02	0.47	2.17	-0.68	0.00	0.00	0.00	0.00	14.08	12.67
165.	154.67	151.85	50.24	4113.89	1.04	0.46	2.09	-0.91	0.00	0.00	0.00	0.00	13.97	1.90
170.	148.47	144.40	59.50	4038.73	1.05	0.44	1.93	-0.96	0.00	0.00	0.00	0.00	13.91	10.13
175.	149.80	146.60	69.74	3992.47	1.01	0.45	2.10	-0.95	0.00	0.00	0.00	0.00	13.92	11.03
180.	164.07	146.30	10.05	3856.60	0.97	0.44	1.83	4.15	0.00	0.00	0.00	0.00	14.10	11.72
185.	138.55	138.07	19.33	3784.32	1.00	0.43	1.92	3.17	0.00	0.00	0.00	0.00	14.13	5.62
190.	140.35	134.67	29.56	3761.19	0.99	0.41	1.79	1.22	0.00	0.00	0.00	0.00	14.56	7.80
195.	127.51	123.10	40.02	3662.90	0.95	0.40	1.77	-0.62	0.00	0.00	0.00	0.00	14.42	6.54
200.	140.50	139.95	50.25	3622.42	0.98	0.39	1.65	-0.91	0.00	0.00	0.00	0.00	14.62	7.78
205.	152.20	150.07	59.51	3561.71	0.94	0.38	1.61	-0.97	0.00	0.00	0.00	0.00	14.91	10.43
210.	129.10	133.72	69.74	3448.96	0.93	0.37	1.55	-0.94	0.00	0.00	0.00	0.00	15.17	14.33
215.	169.20	150.97	10.06	3391.14	0.96	0.37	1.46	4.06	0.00	0.00	0.00	0.00	15.31	6.59
220.	166.25	165.62	19.33	3301.52	0.97	0.37	1.51	3.39	0.00	0.00	0.00	0.00	15.19	10.42

TIME	28	29	30	31	32	33	34	35	35	37	38	39	40	41
225.	178.52	172.65	29.55	3301.52	0.99	0.37	1.58	1.28	0.00	0.00	0.00	0.00	15.18	10.68
230.	183.15	183.52	40.03	3211.90	0.98	0.36	1.43	-0.64	0.00	0.00	0.00	0.00	15.32	7.07
235.	170.38	177.90	50.25	3162.75	1.07	0.36	1.44	-0.81	0.00	0.00	0.00	0.00	15.53	8.08
240.	198.55	185.52	59.52	3047.11	1.07	0.37	1.56	-1.00	0.00	0.00	0.00	0.00	15.52	8.82
245.	190.25	196.47	69.74	3015.31	1.12	0.38	1.56	-1.05	0.00	0.00	0.00	0.00	15.53	13.73
250.	186.10	200.00	10.06	2925.69	1.08	0.38	1.64	4.20	0.00	0.00	0.00	0.00	15.68	9.71
255.	173.05	181.60	19.33	2850.53	1.03	0.37	1.52	3.67	0.00	0.00	0.00	0.00	15.64	11.22
260.	177.12	171.88	29.55	2752.23	1.00	0.36	1.49	1.23	0.00	0.00	0.00	0.00	15.34	11.56
265.	166.52	165.35	40.03	2714.65	0.99	0.35	1.48	-0.57	0.00	0.00	0.00	0.00	15.51	5.85
270.	183.50	183.25	50.26	2630.81	1.01	0.35	1.46	-0.91	0.00	0.00	0.00	0.00	15.58	12.09
275.	192.35	189.22	59.52	2564.32	0.99	0.35	1.42	-0.98	0.00	0.00	0.00	0.00	15.64	9.36
280.	177.40	178.80	69.74	2532.52	0.97	0.34	1.37	-1.02	0.00	0.00	0.00	0.00	15.74	9.88
285.	186.27	177.67	10.06	2468.91	0.94	0.33	1.33	3.82	0.00	0.00	0.00	0.00	15.95	9.05
290.	176.97	176.40	19.33	2387.97	0.95	0.32	1.29	3.33	0.00	0.00	0.00	0.00	16.13	9.12
295.	176.55	193.17	29.55	2312.80	0.93	0.32	1.28	1.25	0.00	0.00	0.00	0.00	16.18	8.60
300.	159.02	177.45	40.03	2281.00	0.91	0.32	1.25	-0.61	0.00	0.00	0.00	0.00	16.24	13.18
305.	163.10	161.85	50.25	2208.72	0.89	0.31	1.25	-0.80	0.00	0.00	0.00	0.00	16.32	12.10
310.	194.20	173.82	59.51	2150.90	0.90	0.31	1.29	-0.93	0.00	0.00	0.00	0.00	16.31	11.60
315.	166.92	156.22	69.74	2145.12	0.83	0.30	1.12	-0.92	0.00	0.00	0.00	0.00	16.46	8.57
320.	159.47	162.20	10.06	2093.08	0.84	0.29	1.08	3.73	0.00	0.00	0.00	0.00	16.79	10.18
325.	163.85	160.62	19.33	2020.81	0.83	0.29	1.11	3.05	0.00	0.00	0.00	0.00	16.82	7.07
330.	148.72	154.60	29.56	1939.86	0.81	0.28	1.00	1.45	0.00	0.00	0.00	0.00	16.96	8.53
335.	162.62	153.25	40.03	1931.19	0.78	0.27	1.01	-0.50	0.00	0.00	0.00	0.00	17.00	6.52
340.	146.72	151.97	50.25	1847.35	0.78	0.27	1.03	-0.81	0.00	0.00	0.00	0.00	17.10	8.05
345.	141.88	143.30	59.51	1809.77	0.80	0.27	1.05	-0.96	0.00	0.00	0.00	0.00	17.19	8.80
350.	142.70	140.10	69.74	1815.55	0.75	0.26	1.02	-0.95	0.00	0.00	0.00	0.00	17.34	8.38
355.	156.85	138.65	10.06	1720.15	0.71	0.26	0.94	3.60	0.00	0.00	0.00	0.00	17.35	6.08
360.	141.82	134.30	19.32	1720.15	0.70	0.25	0.93	2.66	0.00	0.00	0.00	0.00	17.44	6.27
365.	135.38	128.83	29.55	1653.65	0.68	0.24	0.86	1.26	0.00	0.00	0.00	0.00	17.46	7.94
370.	121.34	120.29	40.03	1650.76	0.67	0.24	0.86	-0.60	0.00	0.00	0.00	0.00	17.69	9.78
375.	133.77	129.17	50.25	1564.03	0.66	0.23	0.83	-0.88	0.00	0.00	0.00	0.00	17.78	11.35
380.	134.75	126.58	59.52	1529.34	0.62	0.23	0.82	-0.99	0.00	0.00	0.00	0.00	17.94	6.62
385.	137.05	129.17	69.75	1497.54	0.61	0.22	0.85	-1.01	0.00	0.00	0.00	0.00	17.94	8.20
390.	136.67	125.93	10.06	1480.19	0.61	0.22	0.81	3.37	0.00	0.00	0.00	0.00	18.02	8.35
395.	121.12	115.78	19.33	1405.03	0.59	0.22	0.78	2.68	0.00	0.00	0.00	0.00	18.11	10.50
400.	127.46	120.07	29.55	1431.04	0.59	0.22	0.73	1.02	0.00	0.00	0.00	0.00	18.17	7.68
405.	121.12	118.15	40.03	1312.51	0.58	0.21	0.72	-0.51	0.00	0.00	0.00	0.00	17.92	8.01
410.	114.39	115.12	50.25	1329.86	0.56	0.20	0.73	-0.95	0.00	0.00	0.00	0.00	17.90	6.75
415.	121.44	111.44	59.51	1312.51	0.58	0.20	0.68	-0.89	0.00	0.00	0.00	0.00	17.93	8.93
420.	112.90	114.00	69.73	1274.93	0.55	0.20	0.68	-0.84	0.00	0.00	0.00	0.00	17.98	7.46
425.	121.32	118.78	10.06	1251.80	0.53	0.20	0.64	3.26	0.00	0.00	0.00	0.00	18.05	7.96
430.	149.82	134.52	19.34	1222.89	0.52	0.19	0.64	2.67	0.00	0.00	0.00	0.00	18.15	8.06
435.	105.02	110.68	29.55	1222.89	0.51	0.19	0.62	0.56	0.00	0.00	0.00	0.00	18.22	5.33
440.	104.17	105.37	40.03	1193.98	0.50	0.19	0.62	-0.58	0.00	0.00	0.00	0.00	18.28	8.26
445.	100.51	94.33	50.25	1115.93	0.47	0.18	0.59	-0.75	0.00	0.00	0.00	0.00	18.36	5.53
450.	100.27	100.73	59.52	1150.62	0.46	0.18	0.58	-0.80	0.00	0.00	0.00	0.00	18.41	9.03
455.	95.81	101.10	69.74	1092.80	0.45	0.18	0.58	-0.77	0.00	0.00	0.00	0.00	18.46	7.09
460.	95.21	97.33	10.07	1092.80	0.45	0.17	0.56	3.07	0.00	0.00	0.00	0.00	18.50	5.88
465.	100.73	94.52	19.33	1029.20	0.44	0.17	0.55	2.46	0.00	0.00	0.00	0.00	18.50	5.21
470.	89.67	88.81	29.55	1075.45	0.43	0.17	0.56	0.80	0.00	0.00	0.00	0.00	18.56	7.53

TIME	28	29	30	31	32	33	34	35	35	37	38	39	40	41
475.	100.80	100.73	40.03	1032.09	0.43	0.17	3.51	-0.52	0.20	0.00	0.00	0.00	18.54	9.00
480.	85.02	88.29	50.25	1006.07	0.40	0.16	3.50	-0.67	0.20	0.00	0.00	0.00	18.68	3.49
485.	81.14	86.02	59.51	1029.20	0.39	0.16	3.51	-0.80	0.20	0.00	0.00	0.00	18.75	4.92
490.	94.26	87.36	69.75	1040.76	0.38	0.16	3.49	-0.84	0.20	0.00	0.00	0.00	18.69	8.63
495.	76.10	81.07	10.07	1000.28	0.37	0.15	3.47	2.90	0.20	0.00	0.00	0.00	18.90	7.90
500.	79.88	82.71	19.34	962.70	0.36	0.15	3.45	2.36	0.20	0.00	0.00	0.00	18.98	7.99
505.	78.29	79.59	29.56	1008.96	0.34	0.15	3.44	0.26	0.20	0.00	0.00	0.00	18.88	6.48
510.	86.62	82.74	40.04	945.36	0.34	0.15	3.43	-0.50	0.20	0.00	0.00	0.00	19.04	5.03
515.	75.32	76.98	50.25	910.67	0.32	0.15	3.44	-0.66	0.20	0.00	0.00	0.00	19.10	5.95
520.	78.76	78.17	59.52	907.77	0.32	0.14	3.41	-0.76	0.20	0.00	0.00	0.00	19.15	5.79
525.	75.39	77.56	69.75	913.56	0.32	0.14	3.40	-0.78	0.20	0.00	0.00	0.00	19.22	3.96
530.	74.15	75.49	10.07	881.76	0.31	0.14	3.40	2.67	0.20	0.00	0.00	0.00	19.26	4.90
535.	73.61	74.83	19.34	873.08	0.30	0.13	3.38	2.12	0.20	0.00	0.00	0.00	19.29	7.20
540.	67.43	74.49	29.56	832.61	0.30	0.13	3.39	0.46	0.20	0.00	0.00	0.00	19.30	9.00
545.	78.07	77.63	40.03	826.83	0.29	0.13	3.37	-0.48	0.20	0.00	0.00	0.00	19.36	4.30
550.	77.71	79.15	50.25	806.59	0.28	0.12	3.39	-0.63	0.20	0.00	0.00	0.00	19.39	6.40
555.	71.19	74.71	59.52	858.63	0.28	0.12	3.36	-0.79	0.20	0.00	0.00	0.00	19.35	6.25
560.	65.29	66.05	69.74	832.61	0.28	0.12	3.35	-0.75	0.20	0.00	0.00	0.00	19.46	5.10
565.	71.71	65.67	10.07	838.39	0.26	0.12	3.38	2.58	0.20	0.00	0.00	0.00	19.42	5.76
570.	66.90	67.55	19.34	809.48	0.26	0.11	3.33	1.95	0.20	0.00	0.00	0.00	19.56	5.91
575.	70.71	69.88	29.56	806.59	0.25	0.11	3.33	0.57	0.20	0.00	0.00	0.00	19.58	3.89
580.	61.07	65.90	40.04	809.48	0.24	0.11	3.34	-0.42	0.20	0.00	0.00	0.00	19.53	5.04
585.	71.76	71.41	50.26	812.37	0.23	0.11	3.36	-0.59	0.20	0.00	0.00	0.00	19.55	5.09
590.	65.00	69.83	59.52	800.81	0.23	0.11	3.46	-0.71	0.20	0.00	0.00	0.00	19.72	2.66
595.	65.69	66.24	69.75	797.92	0.22	0.10	3.48	-0.66	0.20	0.00	0.00	0.00	19.74	5.34
600.	58.09	60.86	10.07	777.68	0.21	0.10	3.50	2.32	0.20	0.00	0.00	0.00	19.78	4.51
605.	63.64	63.50	19.33	763.22	0.21	0.10	3.56	1.63	0.20	0.00	0.00	0.00	19.80	7.41
610.	61.50	64.02	29.55	757.44	0.20	0.11	3.59	0.62	0.20	0.00	0.00	0.00	19.76	3.97
615.	59.59	61.19	40.02	783.46	0.19	0.10	3.59	-0.36	0.20	0.00	0.00	0.00	19.88	3.12
620.	72.66	63.12	50.25	821.04	0.18	0.10	3.58	-0.48	0.20	0.00	0.00	0.00	19.93	3.73
625.	59.40	67.59	59.51	748.77	0.17	0.10	3.56	-0.67	0.20	0.00	0.00	0.00	19.92	3.60
630.	58.74	60.88	69.74	769.00	0.16	0.10	3.55	-0.63	0.20	0.00	0.00	0.00	20.08	2.03
635.	57.54	59.17	10.07	809.48	0.17	0.10	3.57	2.05	0.20	0.00	0.00	0.00	20.10	1.84
640.	58.74	59.05	19.33	774.79	0.16	0.10	3.54	1.45	0.20	0.00	0.00	0.00	20.14	2.43
645.	61.90	59.62	29.56	751.66	0.15	0.10	3.53	0.59	0.20	0.00	0.00	0.00	20.19	3.93
650.	57.71	58.45	40.03	769.00	0.15	0.10	3.53	-0.29	0.20	0.00	0.00	0.00	20.22	2.36
655.	58.29	57.90	50.26	731.42	0.15	0.10	3.53	-0.50	0.20	0.00	0.00	0.00	20.25	4.40
660.	54.63	56.00	59.52	763.22	0.14	0.10	3.51	-0.63	0.20	0.00	0.00	0.00	20.28	1.57
665.	57.05	56.02	69.75	699.62	0.13	0.10	3.50	-0.62	0.20	0.00	0.00	0.00	20.33	5.43
670.	56.32	58.69	10.08	734.31	0.14	0.10	3.51	1.86	0.20	0.00	0.00	0.00	20.35	3.85
675.	55.29	56.05	19.34	780.57	0.13	0.10	3.49	1.36	0.20	0.00	0.00	0.00	20.36	0.56
680.	58.49	58.39	29.56	757.44	0.13	0.10	3.48	0.48	0.20	0.00	0.00	0.00	20.41	0.66
685.	56.17	57.39	40.04	754.55	0.12	0.10	3.48	-0.35	0.20	0.00	0.00	0.00	20.45	4.47
690.	55.46	55.29	50.26	806.59	0.13	0.10	3.47	-0.42	0.20	0.00	0.00	0.00	20.49	4.39
695.	52.46	53.24	59.52	766.12	0.13	0.10	3.47	-0.60	0.20	0.00	0.00	0.00	20.42	0.93
700.	54.34	54.10	69.75	719.86	0.13	0.10	3.46	-0.56	0.20	0.00	0.00	0.00	20.55	1.54
705.	54.88	54.51	10.08	751.66	0.12	0.10	3.46	1.67	0.20	0.00	0.00	0.00	20.60	1.01
710.	49.24	52.90	19.34	716.97	0.12	0.10	3.46	1.27	0.20	0.00	0.00	0.00	20.63	4.70
715.	55.51	53.85	29.56	777.68	0.11	0.10	3.47	0.36	0.20	0.00	0.00	0.00	20.66	2.08
720.	52.00	53.34	40.04	711.19	0.11	0.09	3.47	-0.36	0.20	0.00	0.00	0.00	20.68	3.11

TIME	42	43	44	45	46	47	48
0.	-0.80	-0.25	-0.06	-0.01	0.50	0.00	0.00
0.	2.23	-0.03	0.36	-0.07	-0.53	0.00	0.00
0.	1.21	-1.85	1.65	-1.09	0.71	0.00	0.00
0.	-4.36	2.94	-1.92	0.25	1.31	0.00	0.00
0.	2.53	-0.42	0.44	-0.30	-0.58	0.00	0.00
0.	-0.81	-0.38	-0.47	1.21	-1.41	0.00	0.00
5.	-2.04	1.80	-1.01	-0.71	0.57	0.00	5.00
10.	-0.80	1.91	-1.88	-2.91	-1.69	0.00	10.00
15.	-4.82	2.43	-0.06	-1.17	1.30	0.00	15.00
20.	-1.87	0.37	0.84	-1.00	0.69	0.01	20.00
25.	-1.85	-0.06	0.77	0.99	-1.31	0.03	25.00
30.	2.46	2.42	-0.53	1.07	-0.53	0.08	30.00
35.	2.66	1.65	1.53	-2.50	0.73	0.26	35.00
40.	4.14	1.12	-1.74	-0.28	-2.27	0.50	40.00
45.	2.51	5.60	-1.75	-2.11	3.47	1.11	45.00
50.	3.50	2.77	-0.22	-1.44	-0.71	1.98	50.00
55.	0.85	3.30	2.20	-0.94	-2.11	2.85	55.00
60.	2.71	5.73	-2.59	-0.33	-1.06	3.82	60.00
65.	2.81	0.37	-2.37	0.23	1.08	4.91	65.00
70.	4.75	3.28	-2.62	2.60	-1.79	5.66	70.00
75.	4.55	2.66	4.42	-2.62	-1.14	6.20	75.00
80.	4.27	2.98	-3.83	-0.33	-0.11	6.64	80.00
85.	7.23	2.62	-1.58	0.32	-0.57	6.89	85.00
90.	7.68	4.30	4.53	-1.71	-0.77	7.13	90.00
95.	5.35	2.57	1.03	1.85	1.73	6.44	95.00
100.	9.29	0.17	1.35	0.60	1.11	6.82	100.00
105.	6.41	3.78	-1.31	-0.92	-3.60	6.60	105.00
110.	7.40	5.08	1.52	0.76	-0.53	6.76	110.00
115.	5.31	2.86	0.36	-3.66	-0.09	6.42	115.00
120.	6.53	-1.11	-1.32	1.71	-0.66	6.12	120.00
125.	6.16	4.00	-0.05	-1.35	-2.59	6.14	125.00
130.	4.58	3.69	-3.54	1.44	-1.89	5.94	130.00
135.	7.70	1.06	0.04	-4.42	3.30	5.80	135.00
140.	4.22	3.36	2.33	-3.04	-1.70	5.86	140.00
145.	1.92	7.86	-3.62	2.56	-0.76	5.71	145.00
150.	6.90	1.26	2.08	-0.02	-3.15	5.38	150.00
155.	-0.07	5.51	-1.06	0.88	-2.38	5.43	155.00
160.	8.43	2.24	-2.53	-1.89	-1.67	5.32	160.00
165.	11.64	-0.28	-1.22	-2.64	1.66	5.26	165.00
170.	1.43	6.87	-2.51	-3.11	-0.02	5.68	170.00
175.	6.35	5.66	-0.60	-1.99	0.95	5.42	175.00
180.	3.59	3.42	0.42	-0.56	0.78	5.36	180.00
185.	6.60	-0.83	-0.29	0.25	-0.86	4.85	185.00
190.	3.24	5.22	0.78	-2.52	0.69	5.00	190.00
195.	2.64	4.81	0.60	-1.50	1.46	5.08	195.00
200.	2.73	0.80	1.59	-2.80	1.82	4.74	200.00
205.	2.68	5.45	-1.10	-0.19	-2.18	4.64	205.00
210.	6.60	1.53	-3.49	-0.34	-2.22	4.31	210.00
215.	4.23	3.72	0.74	-2.52	1.75	4.13	215.00
220.	3.49	2.95	1.18	-2.45	0.53	4.41	220.00

TIME	42	43	44	45	46	47	49
225.	6.87	1.54	-0.87	0.56	-2.44	4.07	225.00
230.	5.51	4.76	1.52	-0.20	-0.92	4.17	230.00
235.	3.86	5.43	-0.68	-4.81	1.27	3.83	235.00
240.	7.30	5.50	-2.03	-1.60	2.10	3.98	240.00
245.	6.82	4.94	-3.30	1.13	-0.13	3.85	245.00
250.	5.96	8.23	-3.34	-1.20	-2.77	3.87	250.00
255.	2.48	2.17	0.95	-2.04	1.20	3.79	255.00
260.	5.92	2.75	-1.92	-2.33	-1.24	4.02	260.00
265.	6.43	7.02	-3.80	-1.80	-0.80	3.91	265.00
270.	4.70	2.09	-0.95	0.05	-0.70	3.89	270.00
275.	6.71	0.69	1.16	-4.00	0.60	3.69	275.00
280.	4.77	1.85	1.20	-1.89	-0.32	3.62	280.00
285.	4.63	3.85	1.07	-1.23	-0.00	3.58	285.00
290.	5.70	1.74	-1.55	-2.00	-0.31	3.44	290.00
295.	4.89	3.39	1.19	-1.86	-0.54	3.47	295.00
300.	2.77	3.15	0.97	-1.36	1.46	3.19	300.00
305.	2.09	3.44	0.68	-2.27	0.81	3.34	305.00
310.	5.09	1.37	-0.70	-1.12	-1.21	3.07	310.00
315.	6.13	2.51	-0.63	-1.68	-0.42	3.05	315.00
320.	0.68	6.11	0.37	-2.42	-0.42	2.82	320.00
325.	5.59	3.13	-0.43	-1.64	-1.41	2.89	325.00
330.	4.22	2.32	-0.98	1.61	0.04	2.71	330.00
335.	5.25	2.19	-2.01	-2.81	-4.05	2.69	335.00
340.	1.22	4.80	-0.01	-0.91	0.81	2.51	340.00
345.	6.50	1.95	-0.68	-2.35	-2.43	2.44	345.00
350.	4.53	2.36	-0.74	0.66	-1.64	2.33	350.00
355.	2.44	3.10	-1.01	-2.55	-0.82	2.42	355.00
360.	7.15	0.88	3.70	-2.95	-1.58	2.19	360.00
365.	5.07	2.77	-0.57	-0.93	-0.79	2.16	365.00
370.	2.05	4.74	-1.92	-2.48	-4.06	1.91	370.00
375.	0.93	4.44	-2.78	0.95	-0.09	1.92	375.00
380.	5.04	4.24	-0.89	0.36	-1.57	1.83	380.00
385.	3.47	4.72	-2.92	-2.61	-2.25	1.87	385.00
390.	2.89	2.79	0.18	-2.60	1.69	1.67	390.00
395.	2.96	3.00	-3.00	-0.33	-2.18	1.63	395.00
400.	1.77	3.40	-0.88	-0.84	-0.60	1.69	400.00
405.	6.04	1.39	0.48	-0.07	-1.72	2.01	405.00
410.	6.47	-0.75	2.70	-1.76	-3.03	1.83	410.00
415.	0.79	4.54	-0.78	-1.93	-0.38	1.81	415.00
420.	2.67	2.46	-0.16	-0.72	-0.38	1.79	420.00
425.	1.83	3.75	-0.06	-1.64	-1.58	1.74	425.00
430.	3.27	2.58	-2.64	1.65	-3.15	1.66	430.00
435.	4.47	0.96	-0.35	-1.00	-1.41	1.60	435.00
440.	2.24	2.89	-1.59	0.04	-1.05	1.55	440.00
445.	5.78	-0.39	1.35	-1.55	0.78	1.42	445.00
450.	2.58	2.47	-0.29	0.19	-2.21	1.41	450.00
455.	1.26	4.12	-1.14	-1.48	1.62	1.34	455.00
460.	2.65	0.37	1.62	-1.95	-1.50	1.29	460.00
465.	4.29	-0.39	2.12	-2.67	-0.22	1.31	465.00
470.	2.42	3.55	-2.44	-0.32	-1.96	1.22	470.00

TIME	42	43	44	45	46	47	48
475.	2.14	1.66	0.31	-0.88	1.33	1.30	475.00
480.	2.46	1.73	0.04	-2.90	1.02	1.17	480.00
485.	3.06	1.38	-0.79	0.44	-1.25	1.15	485.00
490.	2.80	-0.41	1.89	-2.10	1.07	1.08	490.00
495.	1.52	2.99	-1.17	-0.14	-1.50	1.00	495.00
500.	0.37	3.49	-1.96	0,69	-0.73	0.97	500.00
505.	1.98	2.63	-0.88	-0.54	-0.47	0.94	505.00
510.	3.98	1.23	-1.20	0.23	-1.66	0.92	510.00
515.	0.05	4.54	-3.13	2.28	-2.01	0.83	515.00
520.	2.22	1.81	-0.36	-0.84	0.30	0.81	520.00
525.	3.04	0.42	0.74	-1.29	0.44	0.76	525.00
530.	4.68	-0.44	1.57	-1.38	-1.11	0.75	530.00
535.	0.72	2.87	-2.15	0.55	-1.61	0.70	535.00
540.	0.61	1.17	0.58	-0.92	0.85	0.70	540.00
545.	2.71	1.95	-1.41	0.51	-2.43	0.67	545.00
550.	2.39	2.23	-0.52	-1.28	0.17	0.63	550.00
555.	0.89	3.28	-2.19	1.78	-3.76	0.61	555.00
560.	1.06	3.85	-2.76	1.34	-2.59	0.57	560.00
565.	1.82	2.50	-1.72	0.69	-2.22	0.56	565.00
570.	2.75	3.95	-2.21	0.96	-1.61	0.53	570.00
575.	2.99	-0.41	1.41	-3.00	0.17	0.51	575.00
580.	1.68	1.69	-0.01	-1.44	0.82	0.47	580.00
585.	2.47	0.25	0.09	0.43	-1.15	0.44	585.00
590.	3.43	0.56	-1.24	0.86	-1.38	0.41	590.00
595.	0.44	0.89	0.12	0.09	-1.37	0.38	595.00
600.	1.84	0.78	0.53	-1.03	0.26	0.37	600.00
605.	-0.79	2.88	-0.35	-0.20	0.66	0.35	605.00
610.	2.10	1.79	-1.19	-2.40	-0.96	0.33	610.00
615.	1.28	2.48	-1.85	1.27	-1.18	0.32	615.00
620.	-0.03	2.45	-1.10	-0.12	-0.76	0.26	620.00
625.	1.57	0.21	0.41	-1.43	0.42	0.22	625.00
630.	2.46	-0.33	0.68	-1.44	-0.05	0.18	630.00
635.	2.45	-0.46	0.44	-2.12	-0.66	0.19	635.00
640.	3.56	-0.15	0.60	-0.58	-0.37	0.16	640.00
645.	2.69	2.39	-0.65	-0.42	-1.35	0.13	645.00
650.	2.00	-1.05	1.32	-0.65	-0.63	0.15	650.00
655.	-1.17	2.56	-1.67	0.36	-0.47	0.10	655.00
660.	2.10	0.02	-0.25	0.27	-0.45	0.10	660.00
665.	2.49	2.94	-0.86	-0.42	-0.80	0.08	665.00
670.	-0.89	2.28	-1.06	0.21	-0.58	0.08	670.00
675.	0.52	1.97	-2.35	-0.32	-2.14	0.07	675.00
680.	2.05	-1.05	1.83	-3.02	2.85	0.06	680.00
685.	2.44	3.12	-2.27	2.37	-2.89	0.05	685.00
690.	-1.63	2.77	-1.85	0.54	-0.40	0.03	690.00
695.	1.62	-0.26	0.36	-1.37	-1.18	0.02	695.00
700.	1.14	0.60	-0.51	-1.93	-1.00	0.02	700.00
705.	2.05	-0.49	1.69	-2.00	0.28	0.01	705.00
710.	-1.01	2.75	-2.04	1.94	-1.34	0.01	710.00
715.	0.14	1.54	-0.07	-0.54	-0.41	0.00	715.00
720.	2.32	2.42	-0.63	-0.11	-0.57	0.00	720.00

TIME	42	43	44	45	46	47	48
0.	0.51	1.20	-2.28	0.51	-3.00	0.00	0.00
0.	1.42	-1.21	1.36	0.10	0.17	0.00	0.00
0.	0.64	-0.71	1.13	-1.01	0.20	0.00	0.00
0.	-2.38	2.07	-1.88	0.70	0.30	0.00	0.00
0.	0.15	-1.20	1.21	-0.38	0.98	0.00	0.00
0.	-0.35	-0.15	0.44	0.07	1.35	0.00	0.00
5.	-0.16	-0.58	0.68	0.21	0.40	0.00	5.00
10.	0.61	-0.96	1.06	-0.29	0.81	0.00	10.00
15.	0.06	-0.59	1.51	-0.48	0.42	0.00	15.00
20.	0.98	-0.75	0.77	-0.28	0.55	0.00	20.00
25.	0.43	-0.12	0.91	-0.01	-0.44	0.01	25.00
30.	1.48	-0.92	0.76	-0.12	0.27	0.01	30.00
35.	0.84	0.83	0.55	-0.74	0.36	0.01	35.00
40.	-0.08	1.36	-0.47	0.83	-0.09	0.01	40.00
45.	0.50	0.34	0.93	-0.58	0.48	0.01	45.00
50.	1.41	-0.42	0.63	-0.40	0.13	0.02	50.00
55.	1.33	-0.29	0.81	-0.69	0.71	0.03	55.00
60.	0.38	1.31	-0.77	0.57	-0.12	0.04	60.00
65.	1.32	0.22	1.20	-0.66	0.16	0.05	65.00
70.	0.11	-0.08	1.40	-1.43	0.30	0.07	70.00
75.	1.58	0.69	-0.09	-0.17	-0.77	0.11	75.00
80.	2.30	0.62	0.41	-1.13	-0.18	0.15	80.00
85.	1.74	1.31	-0.53	0.92	-1.16	0.22	85.00
90.	2.50	0.24	1.33	-1.53	0.88	0.33	90.00
95.	3.33	0.93	0.39	-0.99	-0.20	0.39	95.00
100.	2.03	2.89	0.78	-0.48	-0.80	0.57	100.00
105.	3.58	1.24	-0.47	-2.07	-0.55	0.77	105.00
110.	5.02	0.88	-0.17	0.04	1.62	1.05	110.00
115.	3.02	1.94	2.43	-3.44	2.36	1.35	115.00
120.	4.22	2.32	-0.57	0.40	-0.35	1.76	120.00
125.	4.37	4.20	0.25	-1.19	-0.48	2.48	125.00
130.	5.75	3.84	0.06	-1.88	-0.71	2.82	130.00
135.	5.13	1.41	0.93	1.06	-1.55	3.45	135.00
140.	4.00	3.36	-0.20	-0.06	-0.70	4.04	140.00
145.	4.53	3.37	0.31	-0.96	-2.06	4.67	145.00
150.	5.59	1.09	0.99	-0.51	-1.05	5.06	150.00
155.	6.27	2.60	-1.35	-1.71	-1.16	5.42	155.00
160.	6.64	1.68	0.84	-1.03	-1.73	5.58	160.00
165.	6.29	2.19	-0.57	-2.85	-0.07	5.73	165.00
170.	5.05	4.39	-0.08	-1.26	-1.87	6.06	170.00
175.	6.11	2.99	1.26	-4.29	-0.23	6.13	175.00
180.	5.49	1.82	0.56	-1.28	-1.02	6.32	180.00
185.	4.03	1.84	-0.31	-1.53	1.77	6.39	185.00
190.	7.11	0.09	2.77	-1.81	-2.25	6.35	190.00
195.	4.36	2.19	0.30	-1.02	-0.25	6.65	195.00
200.	6.35	1.51	0.31	-1.49	2.13	6.47	200.00
205.	5.19	2.14	-0.66	0.98	-2.70	6.27	205.00
210.	4.04	3.15	0.68	0.56	-1.97	6.41	210.00
215.	8.06	0.35	1.88	-1.81	-1.13	6.34	215.00
220.	4.50	1.29	1.37	-2.65	-0.94	6.37	220.00

TIME	42	43	44	45	46	47	48
225.	4.89	2.69	1.44	-2.04	-0.16	6.36	225.00
230.	5.34	2.29	1.18	-0.60	-1.76	6.18	230.00
235.	6.13	1.65	0.64	0.03	-2.45	6.21	235.00
240.	6.28	0.16	-0.59	-1.73	-4.24	6.06	240.00
245.	5.80	0.66	1.01	0.09	-1.44	6.09	245.00
250.	4.55	0.33	2.17	-3.22	-0.68	6.03	250.00
255.	7.23	1.63	0.03	-1.91	-0.51	5.94	255.00
260.	2.45	3.84	-1.70	-0.53	0.20	6.02	260.00
265.	5.28	2.40	0.57	-1.18	-1.32	5.71	265.00
270.	8.31	1.70	-0.69	-1.21	-0.13	5.58	270.00
275.	5.90	2.15	-0.71	-0.32	-1.57	5.66	275.00
280.	6.43	0.93	0.91	-2.17	-1.77	5.61	280.00
285.	5.56	3.24	0.71	-1.59	-0.57	5.63	285.00
290.	5.46	4.00	0.46	-2.10	-0.16	5.47	290.00
295.	5.87	1.78	0.69	-1.22	-0.31	5.45	295.00
300.	5.52	2.91	0.14	-1.99	-0.83	5.40	300.00
305.	4.35	2.59	1.19	-1.64	-2.61	5.21	305.00
310.	7.74	1.98	0.03	-1.11	-4.41	5.28	310.00
315.	5.12	1.88	-0.37	-0.91	0.03	5.29	315.00
320.	4.73	3.50	-0.55	-1.19	-2.00	5.08	320.00
325.	5.24	1.32	2.00	-2.11	-0.83	5.03	325.00
330.	5.35	2.12	0.16	-2.92	1.11	4.93	330.00
335.	5.43	2.45	-0.19	-0.79	-2.71	5.09	335.00
340.	6.14	1.99	0.53	0.44	-2.25	4.99	340.00
345.	6.43	1.12	0.36	-0.47	-1.68	5.00	345.00
350.	5.49	1.14	2.46	-1.51	-0.83	4.95	350.00
355.	5.42	1.93	-0.37	-0.65	-2.29	4.93	355.00
360.	5.84	2.36	0.71	-3.14	0.11	4.86	360.00
365.	5.93	2.57	0.00	0.10	-2.76	4.86	365.00
370.	5.62	2.84	-0.06	-0.41	-1.31	4.81	370.00
375.	7.09	-0.61	1.46	-1.35	-2.10	4.78	375.00
380.	7.07	-0.21	1.94	-1.60	-0.99	4.67	380.00
385.	7.07	1.54	-0.64	-1.01	-3.99	4.70	385.00
390.	4.63	3.28	0.37	-2.45	-0.18	4.72	390.00
395.	5.02	1.71	1.44	-1.74	-0.70	4.74	395.00
400.	6.00	1.45	0.35	-0.65	-0.90	4.59	400.00
405.	5.22	3.92	-1.39	-1.47	0.10	4.59	405.00
410.	7.80	1.74	-0.16	-0.64	-2.52	4.52	410.00
415.	6.41	2.53	0.24	-1.01	-1.99	4.62	415.00
420.	6.59	0.22	0.69	-1.42	-1.52	4.60	420.00
425.	3.65	3.14	1.25	-3.35	0.64	4.55	425.00
430.	5.56	1.41	0.31	-0.31	-2.26	4.56	430.00
435.	3.51	2.18	1.41	-1.03	-1.34	4.51	435.00
440.	6.40	3.59	-1.99	0.49	-1.96	4.56	440.00
445.	6.78	0.83	0.40	-0.23	-1.31	4.52	445.00
450.	5.18	0.72	2.25	-2.51	-0.93	4.61	450.00
455.	5.34	2.27	0.78	-1.25	-2.13	4.51	455.00
460.	7.01	0.88	0.89	-0.88	-2.61	4.52	460.00
465.	5.71	2.38	0.78	-0.64	0.39	4.29	465.00
470.	4.92	2.72	0.25	-0.85	-0.86	4.29	470.00

TIME	42	43	44	45	46	47	48
475.	5.16	3.55	-1.37	-0.08	-1.00	4.37	475.00
480.	6.81	1.61	0.09	-1.57	-0.47	4.45	480.00
485.	6.16	4.62	-0.49	-0.56	-1.92	4.46	485.00
490.	5.68	2.27	1.66	-1.88	-1.45	4.47	490.00
495.	5.94	2.71	-0.67	-0.19	-1.68	4.45	495.00
500.	4.44	2.29	1.92	-2.60	-0.52	4.38	500.00
505.	6.40	2.56	0.42	-2.55	-1.31	4.30	505.00
510.	6.79	2.27	1.28	-3.54	-0.00	4.20	510.00
515.	6.05	2.36	-1.65	-1.38	-1.45	4.25	515.00
520.	6.11	1.96	0.75	-2.23	-0.20	4.20	520.00
525.	5.62	1.02	0.31	-0.94	0.01	4.26	525.00
530.	6.54	2.02	0.55	-1.60	-0.39	4.21	530.00
535.	5.36	1.81	0.21	-2.10	0.58	4.13	535.00
540.	6.30	1.47	1.01	-0.68	-1.57	4.10	540.00
545.	5.91	1.94	2.31	-2.78	0.07	4.17	545.00
550.	6.08	2.29	0.89	-1.07	-1.63	4.11	550.00
555.	6.32	2.17	0.39	-1.98	-1.13	4.08	555.00
560.	5.53	1.58	0.22	-0.72	-2.16	4.02	560.00
565.	4.99	3.47	0.78	-1.68	-1.38	3.90	565.00
570.	5.45	1.98	0.26	-1.26	-1.84	3.85	570.00
575.	4.77	3.26	-0.58	-0.07	-2.50	3.67	575.00
580.	5.40	0.06	1.30	-1.60	-0.05	3.65	580.00
585.	6.35	0.88	0.72	-1.31	-0.94	3.69	585.00
590.	5.79	2.31	0.02	-1.18	-2.06	3.59	590.00
595.	5.21	2.28	-0.09	0.91	-2.92	3.49	595.00
600.	5.18	1.33	-0.55	-0.54	-1.70	3.50	600.00
605.	3.74	3.26	-0.46	-1.46	-0.92	3.36	605.00
610.	6.35	1.67	1.10	-1.36	-1.74	3.33	610.00
615.	4.97	3.64	-0.75	-0.91	-1.93	3.23	615.00
620.	5.88	2.29	0.14	-1.53	-0.80	3.30	620.00
625.	5.71	1.63	0.49	-0.49	-2.08	3.22	625.00
630.	6.37	1.72	0.14	-1.34	-2.44	3.24	630.00
635.	4.82	2.78	0.55	-1.35	-1.18	3.14	635.00
640.	6.67	0.27	0.98	-1.74	-1.16	3.12	640.00
645.	5.60	0.80	1.41	-0.80	-1.65	3.09	645.00
650.	4.73	2.46	0.08	-1.36	-1.21	2.99	650.00
655.	4.86	2.08	0.71	-2.10	-0.05	2.96	655.00
660.	6.38	1.30	0.28	-1.35	-1.84	2.88	660.00
665.	5.97	1.47	0.32	-1.06	-1.89	2.76	665.00
670.	5.40	1.62	-0.13	-0.47	-2.16	2.75	670.00
675.	5.05	2.48	-1.03	0.01	-1.90	2.71	675.00
680.	5.05	2.82	-0.72	-0.37	-1.28	2.64	680.00
685.	6.09	0.64	1.12	-1.70	-2.26	2.61	685.00
690.	5.11	2.48	-0.73	-0.42	-3.67	2.55	690.00
695.	4.88	2.82	-1.23	-0.40	-1.79	2.47	695.00
700.	3.88	1.18	1.05	-0.58	-1.29	2.37	700.00
705.	6.67	0.90	0.49	-1.22	-1.92	2.34	705.00
710.	3.82	1.14	2.21	-2.57	-1.09	2.29	710.00
715.	4.55	1.71	0.99	-1.62	-1.97	2.08	715.00
720.	3.91	1.56	1.10	-1.47	-1.57	1.91	720.00

TIME	42	43	44	45	46	47	49
725.	5.67	0.70	0.95	-2.09	-1.23	1.87	725.00
730.	4.50	1.23	0.67	-0.79	-2.50	1.78	730.00
735.	4.13	0.63	0.90	-2.02	-0.19	1.70	735.00
740.	5.35	2.08	0.23	-2.32	-0.83	1.66	740.00
745.	3.51	2.66	0.10	-1.35	-1.73	1.60	745.00
750.	4.53	1.81	1.03	-2.25	-1.60	1.55	750.00
755.	4.02	2.05	-0.06	-0.06	-2.80	1.48	755.00
760.	4.80	2.04	-0.12	-0.50	-2.22	1.48	760.00
765.	3.82	1.73	0.30	-0.59	-2.05	1.44	765.00
770.	4.74	1.10	0.89	-1.49	-1.52	1.36	770.00
775.	4.48	0.71	1.29	-2.36	-1.09	1.37	775.00
780.	4.38	0.25	2.36	-1.78	-0.23	1.35	780.00
785.	5.81	0.48	1.15	-1.75	-1.76	1.28	785.00
790.	4.60	0.59	1.29	-1.41	-3.12	1.26	790.00
795.	4.93	0.22	1.05	-1.62	-2.12	1.19	795.00
800.	4.22	1.41	0.09	-1.17	-0.73	1.21	800.00
805.	3.13	1.35	1.17	-1.61	-0.74	1.19	805.00
810.	3.81	2.07	-0.36	-0.55	-2.15	1.17	810.00
815.	5.21	2.46	-0.88	0.34	-1.50	1.14	815.00
820.	4.21	1.57	0.02	-0.91	-0.45	1.12	820.00
825.	2.60	2.64	-0.88	0.58	-2.41	1.08	825.00
830.	4.34	0.66	0.51	-1.69	-2.00	1.07	830.00
835.	5.10	0.63	0.32	-1.21	-1.81	1.04	835.00
840.	1.95	2.69	-0.15	-0.29	-2.38	1.02	840.00
845.	2.80	1.59	0.80	-1.14	-1.06	1.02	845.00
850.	4.44	0.58	0.78	-1.08	-2.45	0.97	850.00
855.	3.56	2.04	0.08	-1.10	-1.55	0.97	855.00
860.	2.56	1.85	0.43	-0.83	-2.09	0.96	860.00
865.	2.63	3.03	-0.94	-0.05	-1.84	0.95	865.00
870.	4.84	-0.38	1.27	-1.80	-2.00	0.95	870.00
875.	3.54	0.14	1.34	-0.89	-1.48	0.93	875.00
880.	4.86	-0.64	2.29	-2.30	-0.83	0.92	880.00
885.	6.00	2.92	0.16	-1.05	-1.87	0.92	885.00
890.	0.71	3.61	-1.36	1.13	-2.26	0.90	890.00
895.	4.47	-0.02	0.99	-0.87	-1.60	0.90	895.00

PRC18-P-3-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	27.92	29.10	27.30	25.10	23.63	22.67	22.57	34.15	28.13	28.17	27.65	27.05	28.35	27.08
0.	28.17	13.15	27.12	24.55	22.97	22.67	22.92	34.19	28.63	28.02	27.77	27.95	28.65	27.75
0.	28.50	18.70	26.97	24.35	23.17	23.17	22.63	34.24	28.17	28.05	27.85	28.05	28.80	27.60
0.	28.82	18.80	26.32	24.07	23.15	23.15	22.45	34.34	28.07	28.02	27.80	28.10	28.85	27.60
0.	28.13	19.72	26.70	23.95	22.67	22.07	22.15	34.34	28.25	27.85	27.63	27.85	28.72	27.47
0.	28.13	30.46	26.88	23.95	21.88	21.95	21.57	34.41	28.67	28.27	27.75	27.72	28.67	27.50
5.	40.95	169.85	29.95	25.85	24.00	22.47	22.10	39.85	42.15	37.61	35.88	36.07	35.24	32.05
10.	50.15	266.00	29.34	24.40	22.77	22.42	22.02	41.63	47.73	49.24	49.46	51.32	49.15	44.22
15.	63.26	220.25	38.73	23.92	22.50	22.65	22.63	45.22	59.09	54.51	56.24	56.37	57.49	54.44
20.	90.19	200.73	45.07	25.77	22.92	23.00	22.80	56.24	97.40	79.12	81.02	79.90	75.88	78.46
25.	168.52	222.75	59.02	28.25	23.22	23.40	22.95	78.05	152.47	119.51	124.80	127.15	126.05	120.51
30.	198.83	206.85	139.02	27.35	24.15	23.32	22.67	106.56	204.80	202.32	216.80	229.13	207.68	218.25
35.	293.44	251.56	190.85	27.07	23.27	22.80	22.38	156.38	328.64	302.80	293.93	308.68	295.12	206.07
40.	329.59	285.83	228.15	29.67	23.35	22.97	22.55	214.13	385.33	359.14	357.12	361.07	347.67	346.71
45.	361.74	312.00	193.25	37.49	23.25	23.40	22.20	284.61	430.56	406.68	401.44	405.26	391.69	388.67
50.	362.44	340.88	223.05	38.51	23.70	22.92	22.47	344.90	499.28	460.93	452.79	455.48	430.24	410.24
55.	371.16	356.00	316.37	54.66	23.20	23.13	22.40	395.12	547.21	497.44	491.90	463.95	435.58	435.48
60.	410.93	362.79	273.12	43.80	24.10	23.25	22.70	454.28	584.76	550.48	519.07	499.53	466.28	453.95
65.	434.28	354.33	340.98	41.80	24.55	23.75	22.95	492.62	611.19	563.49	552.38	518.84	479.30	462.09
70.	440.48	354.45	317.37	37.05	23.80	24.00	23.05	521.43	635.95	589.76	551.63	547.62	520.00	493.25
75.	454.52	371.39	287.12	38.58	23.77	23.50	22.77	550.23	649.52	605.58	584.88	563.02	525.12	514.76
80.	456.19	390.24	343.12	43.83	24.00	23.47	22.97	567.91	662.38	636.43	608.57	558.60	523.95	518.33
85.	452.56	391.43	402.38	52.63	23.52	23.65	23.22	583.95	671.43	649.76	631.19	609.52	558.60	549.28
90.	464.65	402.14	345.76	62.17	25.30	23.95	23.87	601.39	687.38	665.95	649.09	603.26	563.26	542.79
95.	468.37	403.81	342.22	70.29	24.15	23.75	23.22	609.07	696.19	670.48	650.48	624.76	587.14	551.65
100.	470.93	407.44	370.24	152.13	25.00	24.00	23.32	624.52	694.05	672.30	654.76	627.38	590.95	563.26
105.	494.19	425.95	410.93	164.27	24.72	24.10	24.30	633.09	699.76	667.91	667.14	638.33	587.44	569.07
110.	517.62	435.24	401.86	159.47	25.10	24.63	23.40	637.38	700.95	685.00	668.09	636.90	592.14	566.20
115.	513.09	436.05	399.52	197.17	24.42	24.38	23.92	648.81	718.81	690.24	670.00	643.09	606.43	580.46
120.	515.71	439.07	368.09	160.70	24.85	23.80	23.87	651.90	710.00	692.14	663.02	657.38	611.90	580.70
125.	517.21	453.49	367.21	83.83	24.67	25.17	23.75	647.14	700.24	687.14	671.19	649.05	607.44	583.72
130.	522.56	457.91	407.21	104.73	24.57	24.45	23.65	647.14	694.28	665.35	666.43	641.19	609.05	581.63
135.	511.63	452.79	387.38	83.95	27.50	25.22	24.02	657.62	710.48	693.33	665.35	662.86	629.05	609.28
140.	527.21	461.86	396.43	89.98	27.97	25.65	24.47	669.28	724.28	706.19	690.95	668.81	641.67	628.09
145.	550.24	463.25	421.19	138.05	26.10	25.57	24.67	659.77	731.43	714.52	700.71	661.39	643.57	627.14
150.	543.26	480.00	432.09	123.93	26.40	26.07	24.25	687.86	745.24	728.09	713.09	688.81	653.09	638.57
155.	556.51	496.67	343.55	129.17	28.20	25.42	24.35	666.28	728.33	717.38	704.76	665.58	651.19	631.67
160.	539.77	491.86	390.48	86.74	28.07	25.70	24.63	684.76	738.09	722.38	708.57	667.44	651.90	634.20
165.	540.93	496.98	407.38	90.79	27.47	24.85	24.57	666.05	728.33	717.86	703.09	662.32	644.05	625.00
170.	552.09	498.14	369.30	87.14	27.72	25.60	24.27	664.19	726.90	713.33	699.52	658.60	644.76	633.81
175.	547.91	517.14	347.24	91.95	27.60	25.32	24.40	672.38	713.33	698.33	688.81	671.90	644.05	626.43
180.	548.81	498.84	353.50	82.29	30.95	24.77	24.90	666.19	705.24	692.62	664.19	656.90	627.38	613.33
185.	546.05	499.30	428.57	78.38	28.92	24.63	24.82	666.67	709.52	694.52	667.21	662.38	632.38	612.86
190.	550.48	498.14	362.62	74.63	28.90	24.95	24.92	670.00	714.76	699.76	686.19	665.00	633.57	606.05
195.	544.65	516.43	406.74	73.93	28.82	26.13	24.57	666.19	706.43	690.48	663.02	660.95	637.38	599.77
200.	546.19	513.33	352.40	72.95	29.85	28.30	24.27	655.00	691.19	663.72	667.62	654.05	628.33	605.35
205.	542.56	515.00	397.62	66.67	29.38	27.65	24.55	658.57	696.90	686.19	672.14	650.48	604.88	603.57
210.	541.86	516.43	404.19	64.88	29.82	27.92	24.70	656.19	693.81	665.81	671.19	651.67	627.86	613.09
215.	549.76	516.43	371.63	64.95	28.95	27.60	24.47	657.38	695.48	666.51	659.30	659.76	631.67	601.86
220.	551.90	516.28	396.67	67.24	27.50	27.55	24.17	661.43	700.24	684.76	672.38	656.67	630.71	613.33

PRC18-P-3-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	539.77	520.00	365.95	71.10	27.72	26.90	24.20	655.71	691.43	663.25	669.05	652.86	628.57	601.16
230.	552.14	517.86	387.62	67.52	28.95	27.15	24.02	652.38	684.76	659.07	669.52	654.05	605.58	587.44
235.	545.71	513.49	407.91	80.90	29.13	27.67	24.05	651.67	667.21	659.77	669.76	656.19	630.71	600.23
240.	529.07	511.39	358.50	79.10	29.88	29.30	24.38	648.09	663.25	670.24	659.28	645.48	624.28	607.14
245.	545.00	512.56	405.71	75.68	28.72	29.13	25.02	649.28	669.05	672.14	661.67	644.76	601.39	584.65
250.	524.42	515.00	405.81	72.07	30.00	29.13	24.55	646.43	667.21	668.57	658.33	644.28	603.72	586.51
255.	529.07	515.95	380.95	69.88	29.07	29.13	24.57	642.62	659.30	664.28	653.09	636.43	613.33	586.28
260.	544.52	512.62	368.26	70.22	27.85	28.07	24.02	642.14	658.14	663.57	655.00	640.24	605.12	587.91
265.	529.53	516.43	397.62	78.67	27.90	28.63	23.95	641.67	670.95	663.57	657.38	644.05	607.21	606.90
270.	545.24	516.19	371.39	92.36	27.80	28.70	25.88	638.57	670.00	660.24	648.81	633.09	589.07	590.43
275.	528.84	516.19	385.24	88.12	30.29	29.02	24.25	635.24	664.28	655.95	644.52	625.00	587.21	588.33
280.	517.21	513.81	367.91	79.21	31.24	28.88	24.38	632.62	662.86	653.33	643.57	625.24	586.28	585.24
285.	520.46	513.09	349.00	83.00	32.78	29.02	24.63	608.14	646.43	639.05	630.48	604.42	583.95	568.84
290.	510.70	493.02	367.67	71.76	31.10	29.20	23.95	603.02	643.33	636.19	627.14	599.30	590.71	565.81
295.	513.25	497.67	343.88	72.54	31.10	30.85	24.30	611.90	642.14	633.09	624.28	612.14	582.09	585.48
300.	510.93	496.90	312.00	67.12	35.05	29.29	25.72	607.14	633.09	626.67	604.65	609.09	592.38	567.44
305.	519.52	501.43	350.02	66.90	30.22	29.75	24.77	587.91	625.71	605.58	611.67	587.21	587.38	560.45
310.	516.19	498.09	351.86	73.68	32.10	31.46	24.30	580.70	601.39	609.76	589.07	592.86	566.98	553.49
315.	498.37	479.30	343.10	64.69	30.98	30.98	24.90	586.19	609.05	587.67	580.70	583.33	555.35	543.95
320.	493.02	493.09	317.59	63.29	29.02	30.54	25.52	565.58	584.65	589.05	566.74	556.98	547.67	547.62
325.	491.63	466.98	338.90	65.81	28.30	30.61	24.32	555.58	587.14	569.07	563.49	555.35	542.79	529.77
330.	495.24	465.12	342.67	62.33	26.35	29.56	24.15	546.74	561.86	556.74	550.46	540.93	543.33	518.37
335.	476.28	461.39	330.21	64.88	26.80	29.58	24.47	551.19	550.93	545.81	539.77	542.62	514.19	513.81
340.	469.77	452.56	283.19	61.69	27.57	29.66	24.02	542.86	542.32	540.23	549.76	544.28	521.06	510.23
345.	461.16	458.33	280.61	61.64	27.77	29.70	24.52	519.77	544.28	526.28	521.39	513.25	515.00	496.74
350.	454.19	453.33	282.34	58.07	27.95	29.88	24.38	511.63	523.02	516.98	511.86	517.62	496.28	500.95
355.	458.57	435.58	276.93	58.39	27.92	29.45	24.47	512.62	519.76	517.38	513.57	496.98	500.95	495.24
360.	440.46	435.71	267.88	55.88	26.63	29.52	25.97	491.39	498.60	495.58	491.63	497.14	476.98	466.74
365.	433.95	434.76	250.71	55.41	27.00	29.45	24.38	494.28	501.19	498.81	494.28	477.44	469.30	460.70
370.	437.38	429.29	266.10	58.79	27.17	28.27	24.75	474.88	479.77	476.51	472.32	467.67	458.37	451.63
375.	428.09	421.43	231.54	56.10	26.60	29.40	24.45	465.81	467.44	467.21	463.25	459.77	460.71	455.71
380.	423.57	406.05	245.49	53.71	26.30	29.57	24.90	457.91	458.14	456.74	453.49	460.95	453.57	440.46
385.	403.95	409.52	231.95	55.46	29.61	29.57	24.63	460.48	459.05	457.38	453.57	439.30	433.72	437.86
390.	406.19	401.19	229.63	53.61	27.32	27.95	23.70	452.36	439.77	439.00	435.88	431.91	435.29	434.02
395.	396.67	394.76	238.58	51.78	26.22	28.10	23.70	433.88	431.35	440.38	437.59	434.26	428.64	424.09
400.	392.62	390.00	202.93	50.24	27.47	28.27	23.90	436.71	433.26	433.38	429.40	425.48	409.51	406.32
405.	385.71	383.81	202.10	49.73	26.95	27.95	25.05	429.69	425.05	425.21	422.48	409.39	402.95	402.07
410.	381.67	365.58	219.40	48.51	28.20	28.42	23.87	422.69	407.53	407.49	404.32	410.05	403.26	403.40
415.	367.46	368.43	190.87	47.63	27.85	29.60	24.00	406.12	409.69	410.45	406.71	402.24	394.49	394.12
420.	369.45	365.36	184.02	46.88	29.97	27.05	23.60	409.81	403.52	404.24	401.02	390.12	392.21	390.55
425.	363.59	360.19	171.90	45.83	26.27	27.50	23.27	404.12	398.62	398.31	395.43	392.79	387.71	384.43
430.	361.64	352.67	195.30	44.95	26.65	28.57	23.85	397.78	389.19	390.12	387.69	384.67	378.05	378.95
435.	353.62	347.00	192.17	45.88	25.15	26.90	24.72	392.62	384.31	384.76	383.40	381.40	366.88	366.60
440.	348.31	343.86	190.22	45.39	24.80	27.00	24.35	387.83	371.33	371.51	368.49	366.53	370.24	369.57
445.	344.55	346.73	201.42	46.49	24.75	27.60	23.55	382.21	364.39	364.95	362.07	367.95	361.93	362.14
450.	348.02	338.61	190.17	45.85	25.32	27.25	24.90	368.09	365.98	367.95	365.67	362.81	357.48	357.29
455.	344.71	324.69	168.13	44.10	27.10	28.55	24.22	363.81	363.00	364.12	361.90	360.21	353.12	352.43
460.	340.27	326.17	137.22	43.29	26.45	27.47	24.45	368.17	358.76	358.55	356.21	353.50	347.52	348.24
465.	328.07	316.52	164.65	42.19	31.29	27.10	23.77	364.21	354.55	354.71	352.12	348.67	343.45	343.19
470.	321.86	315.24	168.67	41.00	25.77	26.02	23.17	360.19	348.76	348.50	346.62	344.24	346.51	346.34

PRC18-P-3-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	318.38	313.10	171.47	41.41	25.85	25.85	23.10	356.90	344.86	345.17	342.09	347.95	341.19	338.56
480.	312.79	297.34	166.67	43.54	25.95	26.60	24.15	352.09	341.81	340.52	344.98	341.63	325.50	323.64
485.	311.12	294.37	176.55	42.98	26.97	27.10	23.02	347.93	345.34	342.93	328.67	325.50	320.21	319.67
490.	313.71	289.51	166.65	39.90	26.20	28.15	23.32	344.17	339.73	338.73	326.45	323.52	317.93	317.00
495.	310.00	288.22	159.50	39.58	26.52	27.00	23.27	340.76	328.67	326.45	322.59	319.81	313.52	310.67
500.	306.15	280.83	153.90	39.07	25.22	25.95	23.27	345.29	324.90	323.36	319.90	316.64	317.90	313.17
505.	302.34	271.46	161.90	37,78	26.52	26.25	23.25	341.34	319.74	317.74	313.40	316.39	308.19	303.00
510.	296.90	259.51	155.15	37.78	25.07	25.60	23.02	329.01	316.50	314.95	318.05	311.73	303.90	293.95
515.	295.73	254.56	150.85	39.88	24.95	25.40	23.25	326.33	312.43	310.95	314.15	309.83	293.88	293.39
520.	291.90	249.37	156.70	40.76	25.05	25.88	23.27	323.02	315.03	314.49	309.39	305.93	291.14	289.54
525.	288.73	251.05	127.19	38.90	25.85	25.67	23.35	320.05	314.07	309.93	303.00	297.41	290.80	279.00
530.	281.68	241.76	138.40	39.39	26.02	26.07	23.55	317.29	310.54	307.61	294.29	295.17	282.58	272.68
535.	266.76	231.20	128.17	37.19	26.42	25.15	23.30	314.38	307.07	303.32	291.52	290.98	281.61	270.15
540.	269.83	224.05	141.85	36.56	26.55	25.77	23.92	311.12	293.57	295.12	288.59	278.37	271.83	262.40
545.	261.39	229.88	119.05	36.68	28.55	26.15	22.85	315.41	292.85	292.63	283.63	272.37	267.78	256.07
550.	263.58	223.10	93.67	36.37	28.45	25.47	23.25	312.90	291.00	290.49	284.05	272.98	263.63	252.70
555.	256.80	205.12	95.86	36.00	25.77	26.30	23.42	309.78	294.19	288.29	280.66	270.68	260.44	247.34
560.	253.02	204.02	102.29	35.54	26.02	25.85	24.70	307.05	291.73	284.07	276.24	264.83	256.49	243.02
565.	251.02	200.54	95.88	35.61	25.60	25.50	24.15	304.56	290.02	284.51	273.29	260.51	252.63	238.34
570.	248.98	193.32	94.07	34.98	24.35	25.52	23.52	301.88	286.89	279.66	269.29	254.93	250.44	233.00
575.	243.83	193.30	93.52	34.34	25.30	25.55	23.10	292.21	284.56	276.19	265.15	251.22	245.98	232.34
580.	242.80	188.90	95.07	33.95	25.57	25.72	23.42	297.05	282.60	275.93	264.34	251.19	245.71	231.44
585.	239.37	186.32	102.29	33.98	25.88	26.10	23.27	294.66	279.61	272.58	261.29	250.02	243.15	228.85
590.	233.41	185.27	109.07	33.93	25.82	26.70	23.63	292.34	277.17	268.66	257.90	243.37	239.07	232.63
595.	235.61	175.25	92.90	33.80	24.52	25.38	23.27	290.00	274.07	266.39	253.71	241.41	234.34	225.27
600.	229.39	174.30	87.50	33.66	25.65	24.95	23.25	287.78	272.27	263.98	252.60	240.12	231.51	217.32
605.	227.82	174.72	79.05	33.90	28.67	26.52	23.10	285.61	271.19	261.80	249.37	234.24	228.83	219.65
610.	231.45	165.62	104.39	33.88	25.40	25.95	23.60	283.32	268.56	260.17	245.73	233.32	232.97	214.50
615.	222.72	162.42	94.02	33.73	24.07	24.52	22.85	281.34	266.19	257.12	241.56	229.49	226.88	202.00
620.	218.02	161.90	102.51	32.98	24.05	24.72	23.05	279.27	264.00	256.49	240.61	230.00	223.70	198.71
625.	214.92	164.75	88.95	32.37	24.40	24.88	23.63	277.37	262.49	254.76	239.63	226.37	219.45	199.44
630.	220.20	158.05	94.69	32.29	24.22	25.60	23.35	275.24	260.66	252.15	237.03	220.30	221.40	202.57
635.	204.54	154.77	90.14	32.54	25.65	25.38	23.20	273.41	259.00	250.32	236.63	223.35	216.47	197.62
640.	214.20	150.80	94.43	31.88	23.97	25.05	23.32	271.56	257.80	248.71	233.29	222.62	216.10	193.05
645.	199.78	148.90	88.81	31.90	24.05	24.82	23.15	269.76	255.00	248.12	220.90	210.32	205.76	194.15
650.	198.88	143.57	101.54	32.29	25.55	24.35	23.10	268.00	254.15	244.51	233.05	219.05	205.07	191.70
655.	199.30	139.17	93.05	32.39	27.42	25.80	23.10	266.29	252.22	243.00	233.27	217.35	203.17	188.13
660.	192.22	142.67	85.76	32.29	25.15	24.45	23.02	264.54	250.93	242.44	231.80	214.07	201.19	184.63
665.	193.12	139.67	89.40	32.02	24.45	24.20	23.37	262.98	249.02	239.80	228.07	205.05	199.85	183.45
670.	189.15	138.35	82.79	31.83	23.30	24.05	24.47	261.29	247.93	239.34	229.00	201.73	201.82	182.42
675.	189.20	135.57	87.88	31.46	23.70	24.20	22.92	259.68	245.93	236.71	222.05	203.05	198.80	180.77
680.	181.15	126.85	84.50	31.95	23.63	24.02	23.65	258.15	244.78	237.39	224.17	201.75	194.85	176.47
685.	175.02	123.98	79.33	32.10	23.95	24.35	22.77	256.66	243.19	235.37	222.77	199.77	193.15	171.10
690.	183.72	120.76	76.73	31.90	25.10	24.52	23.57	255.10	242.10	234.41	222.12	196.25	191.72	171.75
695.	182.27	122.95	81.95	31.63	24.47	24.42	23.47	253.61	240.66	233.76	219.90	192.80	188.17	167.27
700.	174.22	118.51	74.76	31.58	24.17	24.05	22.90	252.15	239.76	232.71	221.37	189.53	186.00	167.20
705.	175.27	119.05	85.67	31.54	25.42	25.25	22.92	250.78	237.90	230.71	220.72	190.50	184.52	167.57
710.	163.13	118.54	79.41	31.27	25.42	25.45	23.20	249.34	236.76	229.80	217.85	187.27	183.95	167.60
715.	177.55	115.37	80.02	31.12	24.30	24.35	23.17	248.02	235.63	228.37	206.76	186.80	181.35	164.62
720.	171.90	111.12	78.05	30.49	23.52	24.45	22.63	246.68	234.27	233.22	213.52	188.77	179.13	160.92

PRC18-P-3-1/2

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	175.57	113.02	82.67	31.19	24.95	25.27	22.67	245.34	233.44	230.82	206.41	186.17	175.85	155.72
730.	174.10	114.22	77.95	30.95	25.00	25.05	22.95	244.07	231.41	229.60	204.90	184.95	175.75	157.77
735.	169.07	112.61	76.27	30.49	23.57	24.35	23.00	242.71	230.46	228.65	205.80	183.22	173.67	154.35
740.	162.00	111.95	81.38	29.78	23.50	23.85	23.20	241.51	229.78	228.87	205.37	181.10	171.85	152.57
745.	160.57	112.63	82.45	29.41	23.22	23.85	22.65	240.32	228.00	227.30	205.22	175.97	169.55	151.90
750.	158.52	109.17	82.83	29.39	23.82	23.95	23.05	239.10	233.05	225.63	203.56	170.63	168.67	151.15
755.	159.45	110.37	75.17	29.73	23.45	24.20	23.00	237.98	231.67	224.75	201.93	178.47	168.47	151.97
760.	163.87	107.29	72.76	29.76	24.57	25.20	23.27	236.78	230.13	223.35	198.08	179.92	166.88	147.67
765.	158.90	107.27	77.17	30.41	24.40	24.45	24.17	235.63	220.72	222.10	203.13	176.35	162.88	144.57
770.	157.65	106.49	71.00	30.46	23.57	24.25	23.67	234.51	228.20	221.80	203.00	176.35	164.90	146.45
775.	153.50	107.54	77.15	30.34	23.60	24.10	23.72	233.37	227.17	220.60	202.12	173.42	163.67	144.85

PRC18-P-3-1/2

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	27.65	28.13	27.67	27.75	27.82	27.15	26.65	25.72	24.72	28.07	35.29	24.75	24.40	26.58
0.	27.60	28.07	27.80	27.57	27.65	27.25	26.52	25.40	24.77	27.88	35.27	25.17	24.63	26.27
0.	27.30	27.95	27.85	27.85	27.57	27.30	26.40	25.20	25.10	28.02	35.41	25.35	25.07	26.10
0.	27.15	27.82	27.80	27.82	27.57	27.25	26.30	25.52	24.72	28.02	35.46	25.05	24.55	25.92
0.	27.07	27.55	27.47	27.80	27.57	27.10	26.15	25.40	25.20	27.92	35.46	25.65	25.42	25.95
0.	26.97	27.45	27.25	27.75	27.67	26.95	26.30	25.47	25.02	28.00	35.51	25.45	25.00	25.80
5.	32.12	31.10	29.56	29.63	29.52	29.62	28.13	27.52	27.52	29.68	39.71	27.85	27.35	25.85
10.	40.85	40.66	34.90	33.41	31.05	30.17	28.95	27.92	27.47	30.32	41.56	27.22	27.60	26.00
15.	51.27	51.39	45.17	34.19	31.56	30.46	29.05	28.45	27.97	31.49	44.90	27.00	27.50	26.20
20.	71.15	66.98	59.12	42.49	35.05	34.83	29.51	28.47	28.85	35.19	55.95	28.85	28.50	26.27
25.	123.93	119.29	86.79	60.19	45.93	43.85	34.02	31.22	30.51	45.49	75.98	30.80	31.39	26.47
30.	200.00	183.57	161.67	102.00	67.02	54.22	38.73	34.90	33.07	58.90	105.63	33.78	33.76	26.85
35.	286.17	246.51	203.22	143.95	73.54	67.50	43.54	41.15	41.60	77.81	155.10	36.49	39.15	27.52
40.	319.79	292.15	245.39	191.65	91.90	82.79	50.00	46.10	44.85	107.73	205.54	40.61	42.68	28.57
45.	358.55	326.98	288.02	230.61	119.90	101.51	58.31	50.78	50.58	147.60	262.00	43.76	45.88	29.02
50.	369.53	327.69	302.51	221.77	139.17	124.00	63.38	56.51	51.34	179.05	315.24	49.32	48.32	30.88
55.	400.24	352.93	310.50	242.24	168.63	140.50	75.56	59.19	58.40	198.35	349.17	53.58	57.17	33.34
60.	435.09	392.38	346.90	291.46	173.32	139.75	79.36	65.17	67.31	204.88	399.67	62.76	62.17	36.41
65.	433.57	391.19	351.50	295.10	206.46	164.40	89.38	74.46	76.37	225.65	436.21	63.79	74.12	40.07
70.	452.62	429.76	366.98	303.02	199.12	179.37	96.02	82.24	80.93	223.88	456.20	63.09	75.71	44.27
75.	460.93	425.90	362.79	314.51	201.15	192.52	101.61	82.00	83.43	231.17	495.35	60.95	75.02	47.83
80.	477.67	436.90	395.95	320.81	224.50	194.70	94.62	84.12	85.45	236.76	518.37	67.36	77.73	51.00
85.	500.24	436.98	405.71	329.74	229.76	201.27	95.74	91.45	93.21	241.00	541.39	76.24	82.81	54.02
90.	515.24	458.33	423.33	349.52	235.15	200.95	103.39	105.71	95.90	248.27	564.65	78.71	89.17	56.22
95.	513.72	462.32	440.24	362.56	252.07	192.47	106.29	95.81	101.15	262.44	583.26	81.55	88.59	57.63
100.	524.65	478.84	432.09	371.39	261.07	229.90	118.93	102.78	106.90	277.83	606.67	82.52	96.81	58.36
105.	547.62	490.46	459.28	396.43	260.88	221.70	122.17	116.15	111.17	289.37	608.14	82.01	92.62	61.40
110.	527.44	491.16	460.93	405.81	289.98	231.05	136.10	125.78	115.95	284.44	628.09	92.55	115.51	64.17
115.	545.00	492.56	468.84	429.76	285.05	243.02	142.75	124.85	118.46	293.81	634.76	104.22	110.34	69.90
120.	543.57	478.60	456.05	427.14	293.61	227.52	129.95	122.05	118.24	305.27	640.40	101.27	109.54	73.19
125.	540.00	496.43	460.23	424.29	312.19	249.54	150.92	128.05	135.42	310.68	644.52	113.22	123.83	74.83
130.	540.70	499.77	476.28	432.62	319.21	238.44	136.63	119.68	128.19	313.12	634.52	97.45	113.49	77.44
135.	550.70	497.91	475.58	432.14	293.54	231.00	135.02	128.07	126.29	317.24	651.19	101.61	108.68	79.37
140.	585.24	518.60	497.86	433.02	313.22	282.54	143.30	138.95	123.32	315.85	663.81	102.56	118.27	79.43
145.	586.43	526.05	495.35	458.09	297.61	261.19	150.75	138.75	127.65	314.14	671.90	111.12	124.68	80.24
150.	586.19	516.28	491.63	436.98	305.00	242.56	146.82	138.27	125.15	318.00	686.90	100.17	115.93	81.59
155.	565.12	523.25	512.14	456.43	338.71	260.88	153.70	148.22	126.58	311.02	666.51	107.10	124.78	82.50
160.	590.48	523.72	500.00	452.38	351.95	258.88	153.30	147.07	134.92	314.17	686.43	106.95	124.76	84.81
165.	565.58	524.19	521.43	455.71	317.02	260.95	145.30	139.07	136.47	327.43	686.43	113.10	124.88	86.40
170.	579.53	545.00	493.72	434.42	340.36	270.24	153.42	151.13	137.20	344.29	687.30	112.05	125.65	88.50
175.	566.05	514.19	495.24	435.00	350.29	253.93	160.32	149.95	120.34	342.52	664.19	124.22	119.41	88.50
180.	563.49	518.37	491.39	430.70	327.55	249.17	153.17	145.85	124.98	346.07	672.86	109.00	124.49	87.81
185.	565.35	519.53	495.58	436.98	316.98	249.00	161.05	150.40	126.98	323.55	670.95	95.07	126.00	87.88
190.	556.74	513.49	492.32	440.24	307.12	237.88	155.13	146.55	118.93	290.93	663.02	106.32	119.17	89.64
195.	550.23	511.86	491.63	436.51	313.59	265.98	149.77	146.10	125.80	293.29	670.00	116.00	123.05	90.38
200.	569.53	521.63	492.09	436.19	315.46	263.80	153.07	146.20	134.95	252.56	665.24	109.78	126.61	90.95
205.	553.72	514.65	493.49	431.43	314.05	256.19	156.07	141.17	128.10	233.17	663.81	112.41	129.71	91.67
210.	558.14	517.21	498.81	437.38	293.88	259.61	154.32	145.30	140.57	220.55	664.28	113.27	126.34	92.14
215.	567.44	525.58	495.35	430.24	309.95	258.32	157.13	153.70	137.55	224.15	672.86	116.12	126.63	93.07
220.	562.09	522.32	492.79	433.33	317.51	255.76	155.65	145.27	134.57	222.12	671.19	96.69	122.49	92.76

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	566.28	523.72	492.62	431.67	314.66	237.83	153.88	144.65	113.95	215.17	667.62	110.85	113.05	92.64
230.	549.53	513.72	495.95	410.00	293.55	239.88	160.12	140.80	125.63	224.90	664.76	114.83	125.41	92.38
235.	562.56	513.49	466.28	403.33	308.05	252.12	155.82	148.70	127.27	227.42	665.71	101.15	124.02	92.59
240.	563.26	516.51	469.77	402.09	303.24	256.51	163.13	150.47	126.98	230.13	659.76	114.61	126.05	92.43
245.	550.23	511.86	494.28	429.52	302.85	257.56	158.52	149.67	139.55	227.38	660.48	110.22	138.42	93.38
250.	548.14	514.52	468.14	420.95	317.10	254.32	153.55	142.02	142.38	220.05	660.71	114.78	134.17	94.31
255.	553.02	514.42	478.60	408.09	311.62	258.98	163.55	155.82	146.28	233.30	654.76	114.32	122.98	95.38
260.	555.81	517.38	473.25	403.95	309.37	256.61	161.02	152.60	149.97	229.41	655.95	119.32	138.55	96.19
265.	560.70	517.44	469.07	433.33	344.31	273.93	164.67	147.95	145.20	230.52	659.28	111.71	135.42	100.07
270.	544.65	515.71	470.93	406.98	329.09	268.46	163.00	151.72	147.52	232.73	655.24	120.78	140.88	100.03
275.	540.23	514.28	477.44	425.49	316.81	266.29	166.88	154.00	147.27	230.52	653.33	113.12	130.67	101.73
280.	548.33	497.67	463.49	407.38	342.80	270.58	165.82	154.65	150.37	229.47	648.33	124.66	138.47	102.29
285.	539.77	498.84	461.16	406.51	314.90	254.90	158.05	144.95	137.40	228.97	641.19	113.34	127.83	102.27
290.	545.24	493.02	458.37	407.67	309.37	276.34	159.40	140.38	144.85	232.07	634.52	116.58	135.00	101.60
295.	543.49	510.00	451.86	410.48	291.69	275.32	160.87	145.22	149.97	229.56	631.90	112.44	135.92	102.17
300.	552.38	512.86	457.91	410.24	311.90	257.32	159.22	148.97	149.35	206.83	626.90	103.15	136.67	102.00
305.	525.35	496.90	460.24	390.95	314.90	245.63	162.22	148.65	155.88	220.60	606.05	111.41	128.05	103.34
310.	525.35	478.60	432.56	389.52	302.73	248.61	156.50	139.47	133.72	220.75	612.14	116.44	121.22	102.39
315.	515.12	474.42	437.67	390.71	277.78	229.44	147.32	137.27	126.17	217.72	605.00	122.19	117.73	101.17
320.	518.57	473.72	431.63	385.71	275.02	238.83	149.90	134.35	137.97	205.73	581.16	100.22	119.93	100.65
325.	493.95	459.77	424.52	366.98	269.58	239.98	149.25	135.57	137.97	224.20	586.90	113.07	128.02	101.12
330.	493.95	452.56	426.67	357.14	252.90	231.92	144.55	138.92	137.00	216.37	563.95	102.22	112.71	100.76
335.	476.28	455.48	421.43	340.59	254.73	222.77	143.82	135.00	129.90	214.38	554.88	92.26	117.49	100.22
340.	500.71	455.81	409.30	352.98	273.98	222.30	137.97	120.54	129.34	201.69	547.21	101.32	106.93	96.60
345.	474.19	451.43	403.26	350.00	248.07	226.35	138.75	123.58	122.83	205.71	549.28	111.49	114.66	96.57
350.	468.14	440.46	398.81	340.50	246.44	206.76	140.77	127.71	129.10	203.61	526.74	95.40	116.39	97.02
355.	460.00	435.95	390.00	313.19	240.29	222.07	137.82	121.37	116.85	201.34	516.28	100.56	116.39	96.29
360.	454.28	425.71	364.42	319.29	231.39	203.37	138.35	126.37	118.24	203.66	518.33	92.81	110.78	95.26
365.	439.77	422.14	370.00	317.81	233.68	216.65	137.90	124.15	120.12	197.72	496.51	101.73	114.56	94.95
370.	434.42	407.44	361.84	313.24	239.56	202.42	134.13	117.56	117.66	193.95	499.76	102.46	106.44	94.17
375.	433.81	406.98	362.09	314.26	234.02	198.90	129.07	125.07	119.80	196.00	478.04	105.02	111.73	94.05
380.	434.28	404.76	352.09	304.98	207.29	199.34	126.17	116.24	117.07	194.98	470.23	100.49	102.10	93.71
385.	407.67	394.76	345.07	297.17	219.42	189.60	124.78	112.90	104.41	192.57	462.09	87.12	101.05	92.64
390.	410.63	392.86	340.69	293.85	223.45	193.20	125.02	114.37	104.39	183.32	453.49	89.45	100.49	91.69
395.	408.00	387.74	346.63	285.49	214.13	186.92	120.95	113.32	106.85	184.20	456.43	88.05	102.80	90.79
400.	401.52	381.88	348.15	283.37	202.70	185.67	118.78	110.73	103.78	183.95	438.44	89.09	97.29	89.93
405.	401.62	371.19	321.36	283.88	203.07	181.22	117.85	107.95	104.22	167.52	431.77	83.29	101.76	88.90
410.	392.17	368.50	324.74	277.88	200.75	185.85	117.95	113.49	105.45	164.65	434.20	84.00	100.98	87.93
415.	380.55	363.40	311.39	264.37	188.63	174.95	115.76	106.85	95.33	167.32	427.57	78.45	88.07	87.21
420.	366.98	353.81	305.37	261.56	218.75	173.45	118.73	107.58	103.90	159.82	421.74	81.64	91.55	86.50
425.	363.95	352.57	304.98	257.85	202.60	173.85	118.93	103.12	101.63	161.47	405.81	75.88	87.38	85.52
430.	369.90	340.95	286.34	255.02	194.15	173.77	109.17	100.58	95.79	160.17	409.12	79.12	89.40	84.24
435.	358.24	346.24	285.93	254.12	185.27	188.00	115.66	101.73	100.19	152.60	403.03	81.57	97.19	83.29
440.	353.31	340.46	292.17	249.44	182.47	167.32	107.29	97.62	93.19	155.17	398.76	78.83	91.95	82.48
445.	346.56	320.86	275.98	237.10	173.13	157.30	110.34	101.00	95.62	145.60	392.55	74.78	88.52	81.86
450.	342.71	322.83	282.73	241.22	175.32	153.88	107.05	104.83	93.64	144.47	387.26	76.58	94.33	81.05
455.	347.90	321.17	279.98	234.88	171.42	150.97	105.87	101.19	90.90	144.38	383.36	82.21	93.74	80.17
460.	343.66	321.29	270.58	235.61	180.92	154.65	110.02	103.98	93.21	138.85	369.65	67.76	84.14	79.49
465.	325.02	312.29	269.10	234.51	167.75	156.62	108.44	93.12	92.83	143.82	365.42	82.03	95.57	78.64
470.	318.57	308.85	263.54	228.30	161.13	157.45	108.93	93.83	89.14	134.70	369.67	79.12	90.14	78.40

PRC18-P-3-1/2

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	313.95	303.22	256.54	233.22	165.32	149.92	102.32	94.17	86.98	134.35	365.52	76.19	86.88	78.09
480.	311.19	293.45	245.58	223.75	153.85	142.75	96.19	84.21	89.62	133.97	361.93	74.66	83.62	79.07
485.	311.64	302.44	238.29	207.22	157.25	139.88	94.69	89.21	83.09	128.83	356.95	70.07	81.71	78.17
490.	310.37	292.78	243.12	206.78	159.62	146.95	97.31	81.98	83.00	126.49	353.21	64.07	78.95	77.00
495.	305.90	284.02	237.22	207.78	150.27	140.10	91.69	81.90	80.26	125.34	349.79	71.05	78.93	75.66
500.	292.79	282.39	229.76	215.40	151.75	139.55	92.36	78.14	79.00	125.05	346.30	63.90	76.56	75.10
505.	295.32	271.88	228.10	198.32	140.90	126.15	87.59	81.69	79.69	120.68	342.00	63.48	76.71	74.34
510.	286.37	273.15	229.82	198.68	143.80	135.15	92.38	80.48	79.09	125.93	346.90	64.90	80.14	73.51
515.	278.37	257.56	224.90	196.45	141.30	126.80	99.21	78.95	79.49	115.54	343.54	58.41	73.88	72.46
520.	266.58	252.68	226.65	194.97	136.95	123.98	84.36	74.39	76.93	118.22	339.98	69.98	76.68	71.12
525.	270.56	252.27	207.22	189.40	137.70	119.27	87.33	82.59	78.64	118.07	328.05	69.61	78.46	70.44
530.	260.63	245.44	204.07	184.85	146.47	113.98	82.12	74.00	77.49	115.68	324.57	62.00	72.88	70.34
535.	254.07	239.71	198.46	185.12	135.40	121.49	82.64	78.44	73.90	110.98	321.14	57.95	67.36	69.66
540.	247.98	235.10	199.10	179.85	121.46	117.46	80.00	71.37	74.39	105.05	317.88	58.68	69.93	67.00
545.	244.41	231.58	195.77	173.13	118.90	117.37	79.19	67.48	76.71	110.05	314.33	56.93	63.19	66.50
550.	239.41	232.25	200.10	173.92	117.85	117.98	80.83	67.59	74.98	104.71	312.19	59.90	70.24	66.00
555.	235.22	227.65	194.65	165.15	115.05	111.44	79.51	66.67	73.39	105.34	316.05	55.78	67.83	65.43
560.	235.51	224.27	185.82	166.32	117.95	113.76	77.80	62.05	72.93	101.90	314.00	57.95	67.38	64.45
565.	231.07	214.90	183.47	164.55	121.10	114.88	76.73	65.98	64.69	97.62	311.32	59.64	66.02	63.67
570.	230.92	205.93	170.27	163.10	122.66	109.32	75.27	67.38	65.82	95.55	308.17	60.24	64.14	63.07
575.	224.55	205.29	174.77	159.70	117.49	106.37	74.65	66.74	66.57	95.40	305.98	64.09	65.59	62.12
580.	215.25	199.32	169.17	155.55	115.27	107.00	74.12	63.48	67.55	92.24	304.12	56.15	70.32	61.50
585.	213.55	199.05	165.00	157.00	115.15	104.98	73.46	66.21	63.69	91.38	301.51	53.63	61.50	60.79
590.	214.20	201.40	169.47	156.90	113.54	102.66	76.41	62.93	66.59	89.24	291.24	54.98	64.52	60.19
595.	202.95	197.12	161.52	152.30	110.10	104.90	74.61	61.64	63.33	90.02	296.83	52.93	62.29	59.57
600.	200.27	186.30	155.95	151.25	110.10	96.55	76.19	63.12	64.50	87.26	294.29	51.00	63.40	58.90
605.	203.00	188.10	163.87	149.75	110.37	96.74	71.71	61.21	61.43	85.86	292.44	52.37	59.50	58.26
610.	197.60	187.00	153.20	146.97	111.29	101.24	72.78	61.93	63.55	86.67	290.07	56.00	60.76	59.00
615.	195.85	189.65	151.70	147.97	109.49	104.58	73.12	65.55	63.48	84.38	288.15	57.24	67.29	58.95
620.	184.30	176.00	146.88	144.95	103.76	100.19	72.07	63.59	63.31	82.33	286.76	56.15	59.71	58.58
625.	193.17	181.55	150.60	142.30	102.29	91.74	70.07	57.95	67.38	85.09	284.00	52.54	61.76	58.00
630.	183.40	174.20	146.10	144.17	97.45	89.57	65.98	57.93	64.05	83.05	282.44	49.10	58.68	57.41
635.	183.97	173.63	146.80	138.25	92.59	92.12	66.64	58.98	60.31	81.24	280.44	52.07	58.33	56.90
640.	181.65	173.05	146.12	137.70	95.48	90.17	67.52	60.07	61.07	81.71	279.19	45.71	59.76	56.63
645.	184.27	168.77	145.77	139.57	96.64	89.83	64.81	56.78	60.43	78.67	277.83	50.88	57.22	56.15
650.	176.55	170.95	144.45	138.50	91.38	91.38	64.69	55.98	60.93	82.62	275.73	49.80	56.15	55.78
655.	177.55	166.25	141.20	135.17	90.67	88.71	65.07	55.71	58.41	80.26	274.05	45.19	57.15	55.22
660.	176.60	162.60	141.88	133.30	94.57	86.38	65.00	56.76	61.52	78.69	272.44	46.98	59.48	55.02
665.	170.52	165.07	137.13	129.51	95.00	89.40	63.88	59.21	60.00	75.63	270.90	52.41	57.78	54.78
670.	171.82	163.13	135.67	129.56	89.00	88.29	64.55	59.21	60.57	78.62	269.19	52.56	60.57	54.39
675.	170.02	164.00	140.32	126.22	89.95	85.14	63.19	58.88	60.02	78.44	267.54	45.39	57.66	53.98
680.	164.92	158.60	133.60	126.15	86.55	82.90	63.86	58.34	59.40	79.19	266.78	53.44	62.45	53.46
685.	167.32	158.17	138.42	125.44	87.00	-53.23	61.55	55.12	57.05	78.85	264.93	51.15	58.66	53.15
690.	161.90	152.82	127.12	123.83	92.12	-30.44	63.24	55.83	57.68	76.63	263.85	45.41	55.58	52.85
695.	161.72	153.07	125.58	122.63	88.62	72.44	62.55	57.76	55.34	75.78	262.73	51.88	56.22	52.15
700.	161.07	151.55	125.68	121.12	90.52	70.61	60.74	55.80	56.66	73.66	261.34	45.19	55.05	52.07
705.	157.75	151.32	129.93	120.32	85.36	53.05	61.81	57.39	55.15	71.07	260.07	44.49	54.85	51.78
710.	159.25	152.90	128.95	117.98	90.64	64.05	62.26	55.15	55.32	71.41	259.56	49.93	56.29	51.73
715.	155.50	149.27	127.02	119.02	89.12	88.62	62.50	58.33	57.07	72.27	257.41	47.58	55.88	51.49
720.	148.27	145.80	128.22	118.54	84.29	95.33	64.55	57.05	50.37	73.02	256.07	44.29	51.90	50.93

PRC18-P-3-1/2

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	148.05	143.32	120.51	113.85	81.81	80.76	60.74	55.80	52.50	74.02	254.76	48.80	52.58	50.54
730.	147.02	141.50	121.95	116.51	79.69	84.86	61.24	52.71	53.15	71.51	253.63	51.56	56.56	50.27
735.	144.82	139.77	119.32	112.61	84.50	82.69	60.95	53.71	54.71	67.67	252.51	49.61	55.54	50.05
740.	143.47	143.22	122.66	113.19	80.57	81.07	59.45	52.68	55.49	67.52	251.22	46.34	54.83	49.95
745.	142.57	139.40	111.88	112.88	83.26	82.86	61.33	54.90	58.85	70.07	249.78	43.83	53.56	50.00
750.	141.32	139.40	116.17	114.17	81.62	79.81	59.09	50.88	57.19	70.34	248.60	47.12	56.37	49.78
755.	140.57	137.40	117.02	115.07	77.88	76.95	60.19	52.93	55.19	66.05	247.51	45.07	52.90	49.61
760.	139.80	136.30	119.19	112.51	78.19	75.34	56.10	51.68	55.56	66.64	246.27	40.58	52.02	49.49
765.	137.20	135.15	118.46	109.95	77.86	78.37	58.22	51.88	51.88	67.33	244.90	49.49	54.15	49.15
770.	137.52	127.88	112.27	107.24	84.05	72.78	58.44	51.90	52.60	71.51	243.78	50.56	54.71	48.76
775.	136.82	136.47	116.17	109.44	79.59	75.05	58.17	52.07	51.85	70.32	242.73	43.15	53.07	48.56

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	24.32	24.50	19.33	7123.71	0.00	-0.00	-0.01	0.55	0.00	0.00	0.00	0.00	21.00	-0.78
0.	24.22	24.38	29.55	7189.64	0.00	-0.00	-0.01	0.41	0.00	0.00	0.00	0.00	21.01	-1.88
0.	24.13	24.30	40.05	7167.64	0.00	-0.00	-0.01	0.29	0.00	0.00	0.00	0.00	21.01	1.18
0.	24.13	24.35	50.27	7211.61	0.00	0.00	-0.01	0.29	0.00	0.00	0.00	0.00	21.01	0.60
0.	23.95	24.45	59.52	7189.64	0.00	-0.00	-0.01	0.40	0.00	0.00	0.00	0.00	21.00	-0.19
0.	23.92	24.38	69.73	7233.61	0.00	0.00	-0.01	-0.09	0.00	0.00	0.00	0.00	21.01	1.05
5.	24.97	25.00	10.11	7189.64	0.00	-0.01	-0.01	-0.33	0.00	0.00	0.00	0.00	20.86	1.55
10.	27.97	26.63	19.33	7211.61	0.00	-0.01	-0.01	0.50	0.00	0.00	0.00	0.00	20.85	1.14
15.	27.42	27.38	29.55	7233.61	0.00	-0.01	-0.00	0.41	0.00	0.00	0.00	0.01	20.90	1.66
20.	26.72	26.80	40.04	7123.71	0.00	-0.01	-0.00	0.16	0.00	0.00	0.00	0.01	20.87	0.47
25.	25.63	26.40	50.25	7145.68	0.00	-0.01	-0.00	-0.03	0.00	0.00	0.00	0.01	20.72	1.30
30.	25.07	25.57	59.52	7189.64	0.00	-0.01	-0.00	-0.11	0.00	0.00	0.00	0.01	20.66	1.56
35.	32.00	29.20	69.73	7189.64	0.00	-0.01	-0.00	-0.41	0.00	0.00	0.00	0.01	20.63	1.62
40.	29.89	29.71	10.11	7211.61	0.00	-0.01	-0.00	0.97	0.00	0.00	0.00	0.01	20.60	2.40
45.	32.02	30.49	19.34	7211.61	0.00	-0.01	0.00	0.73	0.00	0.00	0.00	0.01	20.57	1.88
50.	32.05	32.54	29.56	7145.68	0.01	-0.01	0.01	0.43	0.00	0.00	0.00	0.01	20.54	1.52
55.	29.47	31.10	40.06	7123.71	0.01	-0.01	0.01	-0.16	0.00	0.00	0.00	0.01	20.49	2.13
60.	32.32	32.05	50.26	7189.64	0.01	-0.01	0.01	-0.38	0.00	0.00	0.00	0.01	20.42	3.57
65.	34.95	34.56	59.53	7145.68	0.01	-0.00	0.03	-0.33	0.00	0.00	0.00	0.01	20.37	2.24
70.	37.58	35.68	69.74	7123.71	0.02	-0.00	0.04	-0.56	0.00	0.00	0.00	0.02	20.29	4.61
75.	42.46	41.17	10.11	7123.71	0.03	0.00	0.06	1.55	0.00	0.00	0.00	0.02	20.21	3.35
80.	43.68	42.58	19.35	7123.71	0.03	0.00	0.07	1.22	0.00	0.00	0.00	0.02	20.11	2.10
85.	40.95	44.49	29.56	7079.74	0.04	0.00	0.09	0.69	0.00	0.00	0.00	0.02	19.99	5.30
90.	47.61	45.17	40.05	7079.74	0.05	0.01	0.12	-0.26	0.00	0.00	0.00	0.03	19.83	3.67
95.	50.85	50.54	50.26	7035.77	0.06	0.02	0.14	-0.51	0.00	0.00	0.00	0.04	19.69	4.73
100.	57.51	53.85	59.52	7013.80	0.08	0.03	0.22	-0.51	0.00	0.00	0.00	0.05	19.50	8.12
105.	53.93	59.38	69.74	7013.80	0.11	0.04	0.26	-0.68	0.00	0.00	0.00	0.06	19.28	7.45
110.	58.22	57.37	10.10	6947.86	0.14	0.05	0.39	2.98	0.00	0.00	0.00	0.08	18.98	8.18
115.	52.44	58.68	19.33	6891.93	0.18	0.07	0.43	2.42	0.00	0.00	0.00	0.10	18.66	10.69
120.	59.55	66.79	29.55	6859.93	0.21	0.09	0.60	0.74	0.00	0.00	0.00	0.13	18.28	9.50
125.	48.49	56.51	40.03	6772.02	0.24	0.10	0.63	-0.44	0.00	0.00	0.00	0.15	17.73	7.90
130.	53.05	59.05	50.25	6684.11	0.26	0.12	0.73	-0.70	0.00	0.00	0.00	0.18	17.27	8.28
135.	55.58	58.74	59.51	6662.11	0.29	0.13	0.80	-0.65	0.00	0.00	0.00	0.19	16.71	8.50
140.	55.07	58.71	69.73	6618.14	0.31	0.14	0.87	-0.92	0.00	0.00	0.00	0.21	16.21	10.07
145.	56.98	60.31	10.11	6552.21	0.32	0.14	0.82	3.81	0.00	0.00	0.00	0.21	15.68	8.79
150.	59.48	64.59	19.34	6442.34	0.34	0.15	0.84	3.00	0.00	0.00	0.00	0.23	15.21	8.39
155.	64.55	66.09	29.55	6398.36	0.35	0.15	0.96	1.13	0.00	0.00	0.00	0.24	14.94	11.03
160.	62.40	66.33	40.03	6354.39	0.36	0.16	0.96	-0.64	0.00	0.00	0.00	0.25	14.74	10.76
165.	61.88	66.02	50.26	6244.49	0.38	0.15	0.95	-0.82	0.00	0.00	0.00	0.24	14.50	10.11
170.	64.86	71.12	59.52	6200.55	0.39	0.16	1.00	-0.85	0.00	0.00	0.00	0.26	14.35	9.18
175.	71.10	75.15	69.74	6134.61	0.39	0.16	0.97	-0.99	0.00	0.00	0.00	0.25	14.17	6.73
180.	65.48	75.39	10.11	6068.64	0.40	0.16	0.95	3.97	0.00	0.00	0.00	0.26	14.04	10.17
185.	61.86	73.83	19.33	6024.71	0.41	0.16	1.09	3.06	0.00	0.00	0.00	0.26	13.97	11.16
190.	66.98	76.68	29.56	5936.77	0.41	0.16	1.10	1.17	0.00	0.00	0.00	0.26	13.96	8.82
195.	70.83	75.66	40.05	5848.86	0.41	0.16	1.07	-0.69	0.00	0.00	0.00	0.25	13.77	8.68
200.	67.19	73.93	50.26	5804.89	0.41	0.16	1.02	-0.85	0.00	0.00	0.00	0.25	13.78	9.23
205.	70.44	77.88	59.52	5760.93	0.42	0.16	1.01	-0.89	0.00	0.00	0.00	0.25	13.94	10.27
210.	64.74	76.39	69.73	5651.05	0.42	0.15	1.06	-1.07	0.00	0.00	0.00	0.24	13.91	8.31
215.	64.67	77.05	10.11	5585.11	0.43	0.16	1.07	3.94	0.00	0.00	0.00	0.25	13.94	9.49
220.	73.07	78.56	19.34	5541.14	0.43	0.15	1.04	3.17	0.00	0.00	0.00	0.25	13.94	10.20

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	77.98	79.40	29.56	5475.21	0.44	0.15	1.02	1.39	0.00	0.00	0.00	0.25	13.96	11.50
230.	74.80	78.74	40.04	5365.30	0.44	0.15	1.09	-0.71	0.00	0.00	0.00	0.25	14.03	10.60
235.	75.41	79.81	50.25	5343.34	0.44	0.15	1.03	-0.97	0.00	0.00	0.00	0.24	14.08	9.67
240.	71.00	79.07	59.51	5299.36	0.44	0.15	1.03	-0.86	0.00	0.00	0.00	0.24	14.13	9.00
245.	74.56	79.59	69.74	5211.43	0.44	0.14	1.06	-0.99	0.00	0.00	0.00	0.24	14.20	10.10
250.	72.12	76.00	10.11	5145.49	0.44	0.15	1.03	3.92	0.00	0.00	0.00	0.23	14.19	9.24
255.	70.88	75.83	19.33	5123.52	0.44	0.14	0.98	3.17	0.00	0.00	0.00	0.23	14.30	8.06
260.	67.02	79.24	29.54	5013.61	0.44	0.14	1.06	1.32	0.00	0.00	0.00	0.23	14.23	12.60
265.	72.05	77.61	40.04	4947.69	0.45	0.14	0.99	-0.58	0.00	0.00	0.00	0.23	14.30	7.98
270.	74.00	79.57	50.26	4881.74	0.44	0.13	1.02	-0.92	0.00	0.00	0.00	0.22	14.57	7.43
275.	80.69	85.07	59.51	4837.77	0.45	0.14	0.99	-0.90	0.00	0.00	0.00	0.22	14.55	9.65
280.	79.05	82.67	69.74	4793.84	0.46	0.13	0.98	-1.06	0.00	0.00	0.00	0.23	14.59	7.50
285.	74.46	84.00	10.10	4727.89	0.45	0.14	1.09	3.95	0.00	0.00	0.00	0.23	14.69	7.56
290.	71.83	79.79	19.34	4661.93	0.45	0.13	1.09	3.14	0.00	0.00	0.00	0.21	14.70	9.86
295.	77.41	82.29	29.56	4595.99	0.45	0.13	1.03	1.17	0.00	0.00	0.00	0.21	14.70	8.18
300.	78.24	83.12	40.05	4530.05	0.45	0.13	0.99	-0.72	0.00	0.00	0.00	0.21	14.77	10.62
305.	82.21	87.29	50.26	4508.09	0.44	0.13	0.97	-0.83	0.00	0.00	0.00	0.21	14.89	9.66
310.	79.37	85.12	59.52	4464.11	0.45	0.13	0.87	-0.81	0.00	0.00	0.00	0.21	14.88	8.46
315.	75.76	83.26	69.73	4398.18	0.45	0.13	0.97	-0.90	0.00	0.00	0.00	0.21	14.90	9.90
320.	79.34	82.14	10.11	4424.57	0.45	0.12	0.80	4.00	0.00	0.00	0.00	0.21	14.98	9.75
325.	76.98	83.57	19.32	4288.27	0.46	0.12	0.80	3.10	0.00	0.00	0.00	0.20	15.08	9.22
330.	72.93	80.29	29.55	4266.30	0.46	0.12	0.80	0.87	0.00	0.00	0.00	0.21	15.17	8.26
335.	77.15	83.64	40.04	4178.39	0.46	0.12	0.79	-0.67	0.00	0.00	0.00	0.20	15.06	7.38
340.	74.73	79.38	50.26	4112.43	0.46	0.13	0.81	-0.91	0.00	0.00	0.00	0.20	15.10	9.05
345.	82.09	84.40	59.52	4090.46	0.46	0.12	0.74	-0.80	0.00	0.00	0.00	0.20	15.12	9.82
350.	83.64	88.59	69.74	4002.56	0.45	0.12	0.78	-1.01	0.00	0.00	0.00	0.20	15.16	7.94
355.	82.64	89.79	10.11	4044.31	0.46	0.12	0.78	3.81	0.00	0.00	0.00	0.20	15.10	8.82
360.	80.29	87.14	19.34	3870.65	0.46	0.12	0.75	3.05	0.00	0.00	0.00	0.19	15.25	7.90
365.	73.80	83.93	29.56	3848.68	0.46	0.12	0.73	1.04	0.00	0.00	0.00	0.19	15.28	9.19
370.	78.50	84.76	40.04	3804.71	0.46	0.11	0.70	-0.58	0.00	0.00	0.00	0.19	15.30	8.36
375.	78.32	85.31	50.27	3716.80	0.46	0.12	0.70	-0.83	0.00	0.00	0.00	0.19	15.30	10.90
380.	79.45	88.24	59.53	3716.80	0.46	0.11	0.69	-0.84	0.00	0.00	0.00	0.19	15.37	8.10
385.	81.07	87.74	69.74	3672.84	0.46	0.11	0.71	-0.97	0.00	0.00	0.00	0.19	15.40	7.41
390.	82.36	87.57	10.11	3716.80	0.47	0.11	0.69	3.96	0.00	0.00	0.00	0.19	15.41	8.90
395.	79.02	87.12	19.34	3540.98	0.48	0.11	0.75	3.07	0.00	0.00	0.00	0.19	15.36	9.03
400.	79.12	84.86	29.56	3519.00	0.48	0.12	0.78	1.28	0.00	0.00	0.00	0.19	15.47	10.23
405.	81.36	86.83	40.05	3475.04	0.48	0.11	0.78	-0.78	0.00	0.00	0.00	0.19	15.50	9.54
410.	88.45	92.55	50.26	3409.10	0.48	0.11	0.77	-0.91	0.00	0.00	0.00	0.19	15.49	8.82
415.	90.90	95.55	59.52	3365.14	0.48	0.11	0.68	-0.92	0.00	0.00	0.00	0.19	15.51	8.60
420.	88.59	90.45	69.73	3321.18	0.49	0.11	0.77	-1.02	0.00	0.00	0.00	0.19	15.51	10.12
425.	89.29	92.50	10.11	3358.54	0.48	0.11	0.82	4.00	0.00	0.00	0.00	0.19	15.51	12.11
430.	85.12	94.17	19.33	3189.30	0.49	0.11	0.91	3.06	0.00	0.00	0.00	0.19	15.52	9.21
435.	87.95	94.59	29.55	3145.34	0.49	0.11	0.84	1.47	0.00	0.00	0.00	0.19	15.56	12.42
440.	78.07	87.36	40.04	3101.38	0.49	0.12	0.94	-0.73	0.00	0.00	0.00	0.19	15.56	8.97
445.	80.95	87.36	50.26	3035.44	0.49	0.11	0.83	-0.84	0.00	0.00	0.00	0.18	15.58	9.45
450.	81.29	88.45	59.52	3013.46	0.49	0.11	0.87	-0.91	0.00	0.00	0.00	0.19	15.52	7.63
455.	84.19	88.19	69.73	2969.50	0.49	0.11	0.86	-1.03	0.00	0.00	0.00	0.19	15.55	9.72
460.	93.59	96.95	10.10	3028.84	0.50	0.11	0.84	4.02	0.00	0.00	0.00	0.19	15.59	9.02
465.	91.12	96.43	19.33	2859.60	0.50	0.11	0.88	3.16	0.00	0.00	0.00	0.19	15.68	9.12
470.	94.62	102.90	29.56	2793.66	0.51	0.12	0.86	1.17	0.00	0.00	0.00	0.19	15.72	10.20

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	100.07	101.56	40.04	2771.68	0.52	0.12	0.92	-0.69	0.00	0.00	0.00	0.19	15.72	11.54
480.	88.50	96.02	50.27	2705.74	0.51	0.12	0.91	-0.88	0.00	0.00	0.00	0.19	15.64	9.66
485.	89.19	103.49	59.52	2661.78	0.52	0.12	0.85	-0.93	0.00	0.00	0.00	0.19	15.63	9.73
490.	91.83	104.80	69.74	2573.86	0.51	0.12	0.95	-1.02	0.00	0.00	0.00	0.19	15.59	8.78
495.	102.98	105.51	10.10	2670.57	0.52	0.12	0.90	4.01	0.00	0.00	0.00	0.18	15.62	11.03
500.	87.24	96.26	19.34	2529.90	0.52	0.11	0.88	3.25	0.00	0.00	0.00	0.18	15.63	10.61
505.	93.05	104.83	29.56	2485.94	0.52	0.11	0.90	1.63	0.00	0.00	0.00	0.18	15.74	8.76
510.	101.95	106.22	40.05	2420.00	0.53	0.11	0.97	-0.72	0.00	0.00	0.00	0.18	15.78	9.05
515.	100.02	106.27	50.26	2398.02	0.52	0.11	0.95	-0.93	0.00	0.00	0.00	0.18	15.80	10.00
520.	97.31	104.10	59.52	2354.06	0.52	0.11	0.93	-0.96	0.00	0.00	0.00	0.18	15.77	8.87
525.	100.46	104.95	69.74	2310.10	0.52	0.11	0.90	-1.01	0.00	0.00	0.00	0.18	15.78	10.56
530.	101.17	108.63	10.11	2334.27	0.52	0.11	0.94	4.12	0.00	0.00	0.00	0.18	15.80	9.61
535.	104.32	109.24	19.34	2244.16	0.52	0.11	0.93	2.82	0.00	0.00	0.00	0.18	15.83	9.69
540.	92.38	104.29	29.55	2200.20	0.51	0.11	0.86	1.18	0.00	0.00	0.00	0.17	15.85	11.13
545.	91.02	103.24	40.05	2156.24	0.51	0.11	0.89	-0.70	0.00	0.00	0.00	0.17	15.85	8.51
550.	94.67	102.98	50.25	2090.30	0.52	0.11	0.95	-0.95	0.00	0.00	0.00	0.18	15.89	8.86
555.	91.90	101.66	59.52	2046.34	0.51	0.11	0.88	-1.01	0.00	0.00	0.00	0.17	15.85	8.75
560.	94.38	101.10	69.73	2002.38	0.50	0.11	0.89	-1.03	0.00	0.00	0.00	0.17	15.91	10.34
565.	93.95	97.50	10.10	2079.31	0.50	0.11	0.94	4.00	0.00	0.00	0.00	0.17	15.99	10.68
570.	101.32	105.46	19.33	1892.48	0.50	0.10	0.87	3.08	0.00	0.00	0.00	0.17	16.09	10.80
575.	97.29	106.07	29.55	1870.50	0.50	0.10	0.88	1.59	0.00	0.00	0.00	0.17	16.15	11.14
580.	95.90	104.07	40.05	1848.52	0.50	0.10	0.88	-0.70	0.00	0.00	0.00	0.16	16.16	7.40
585.	101.63	103.68	50.26	1826.54	0.49	0.10	0.84	-1.01	0.00	0.00	0.00	0.17	16.20	10.51
590.	94.83	103.56	59.52	1760.60	0.49	0.10	0.92	-0.97	0.00	0.00	0.00	0.17	16.18	8.71
595.	95.81	103.54	69.73	1760.60	0.49	0.10	0.82	-1.05	0.00	0.00	0.00	0.16	16.28	10.17
600.	93.57	105.66	10.11	1824.34	0.49	0.10	0.79	3.87	0.00	0.00	0.00	0.16	16.37	7.65
605.	106.05	108.10	19.34	1628.72	0.48	0.10	0.84	3.11	0.00	0.00	0.00	0.16	16.44	10.31
610.	104.22	115.12	29.55	1584.76	0.47	0.10	0.84	1.11	0.00	0.00	0.00	0.16	16.52	8.69
615.	103.02	112.63	40.05	1606.74	0.48	0.10	0.83	-0.71	0.00	0.00	0.00	0.16	16.57	7.99
620.	100.63	108.73	50.27	1540.80	0.47	0.10	0.87	-0.93	0.00	0.00	0.00	0.16	16.58	8.32
625.	87.17	100.95	59.53	1496.84	0.46	0.10	0.83	-0.95	0.00	0.00	0.00	0.16	16.61	8.80
630.	100.68	104.73	69.75	1474.86	0.45	0.10	0.80	-1.03	0.00	0.00	0.00	0.16	16.61	9.45
635.	93.40	104.61	10.12	1575.97	0.45	0.10	0.85	3.81	0.00	0.00	0.00	0.15	16.64	9.43
640.	101.39	104.88	19.35	1430.90	0.44	0.10	0.81	3.05	0.00	0.00	0.00	0.15	16.71	8.22
645.	97.24	109.07	29.56	1386.94	0.43	0.09	0.76	1.20	0.00	0.00	0.00	0.15	16.72	8.76
650.	106.24	109.73	40.06	1364.96	0.43	0.09	0.75	-0.58	0.00	0.00	0.00	0.15	16.82	9.86
655.	95.24	111.05	50.27	1386.94	0.43	0.09	0.78	-0.86	0.00	0.00	0.00	0.15	16.86	9.34
660.	97.24	103.78	59.53	1321.00	0.42	0.09	0.78	-0.90	0.00	0.00	0.00	0.14	16.94	7.50
665.	104.24	106.54	69.74	1277.04	0.41	0.09	0.71	-1.07	0.00	0.00	0.00	0.14	17.01	7.46
670.	94.98	105.07	10.12	1384.74	0.41	0.09	0.65	3.49	0.00	0.00	0.00	0.14	17.08	8.09
675.	90.09	103.17	19.35	1255.06	0.40	0.08	0.68	2.90	0.00	0.00	0.00	0.14	17.13	7.81
680.	85.29	95.62	29.57	1233.08	0.39	0.08	0.63	1.26	0.00	0.00	0.00	0.14	17.18	9.47
685.	85.48	90.64	40.05	1189.12	0.39	0.09	0.65	-0.63	0.00	0.00	0.00	0.13	17.27	7.03
690.	86.29	91.98	50.28	1167.14	0.39	0.09	0.66	-0.85	0.00	0.00	0.00	0.13	17.29	8.14
695.	84.71	91.17	59.53	1167.14	0.39	0.08	0.66	-0.94	0.00	0.00	0.00	0.13	17.34	7.69
700.	92.43	96.17	69.74	1101.20	0.35	0.08	0.64	-0.99	0.00	0.00	0.00	0.13	17.43	9.59
705.	95.40	103.83	10.12	1200.11	0.33	0.08	0.59	3.45	0.00	0.00	0.00	0.13	17.48	6.93
710.	101.63	103.80	19.35	1035.26	0.33	0.07	0.57	2.73	0.00	0.00	0.00	0.13	17.52	8.64
715.	115.95	112.12	29.56	1013.28	0.32	0.07	0.55	1.09	0.00	0.00	0.00	0.13	17.63	7.63
720.	110.85	117.02	40.06	1013.28	0.32	0.07	0.55	-0.75	0.00	0.00	0.00	0.13	17.79	8.80

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	115.44	123.80	50.27	991.30	0.32	0.07	0.56	-0.89	0.00	0.00	0.00	0.12	17.90	6.25
730.	108.22	108.73	59.53	969.32	0.32	0.07	0.51	-0.94	0.00	0.00	0.00	0.12	17.99	7.56
735.	106.19	107.54	69.74	969.32	0.30	0.07	0.53	-1.03	0.00	0.00	0.00	0.12	18.07	7.64
740.	92.90	104.83	10.11	1072.62	0.29	0.07	0.53	3.29	0.00	0.00	0.00	0.12	18.12	6.69
745.	103.02	111.41	19.34	969.32	0.30	0.07	0.51	2.61	0.00	0.00	0.00	0.12	18.15	7.76
750.	103.32	110.78	29.56	947.34	0.29	0.06	0.49	0.91	0.00	0.00	0.00	0.11	18.20	7.32
755.	102.85	108.29	40.05	903.38	0.29	0.06	0.47	-0.68	0.00	0.00	0.00	0.11	18.23	6.33
760.	102.68	101.76	50.27	859.42	0.28	0.06	0.50	-0.92	0.00	0.00	0.00	0.11	18.28	5.39
765.	101.19	107.56	59.53	881.40	0.27	0.06	0.47	-0.94	0.00	0.00	0.00	0.11	18.33	7.57
770.	90.88	101.00	69.75	881.40	0.27	0.06	0.47	-1.03	0.00	0.00	0.00	0.10	18.40	6.20
775.	91.59	93.59	10.12	980.31	0.26	0.06	0.43	3.03	0.00	0.00	0.00	0.10	18.41	7.47
780.	91.31	93.79	19.35	815.46	0.26	0.06	0.43	2.44	0.00	0.00	0.00	0.10	18.44	6.04
785.	90.86	93.02	29.57	815.46	0.26	0.06	0.45	1.10	0.00	0.00	0.00	0.09	18.48	4.35
790.	90.31	91.90	40.05	815.46	0.26	0.06	0.43	-0.53	0.00	0.00	0.00	0.09	18.52	5.74
795.	81.81	85.07	50.26	749.52	0.26	0.06	0.43	-0.93	0.00	0.00	0.00	0.09	18.58	5.00
800.	87.24	88.02	59.52	749.52	0.26	0.06	0.41	-0.92	0.00	0.00	0.00	0.09	18.59	5.77
805.	93.90	92.09	69.74	749.52	0.25	0.06	0.38	-0.98	0.00	0.00	0.00	0.09	18.60	6.09
810.	84.64	88.19	10.11	857.22	0.23	0.05	0.30	3.03	0.00	0.00	0.00	0.08	18.61	5.24
815.	81.26	86.24	19.34	749.52	0.25	0.05	0.38	2.27	0.00	0.00	0.00	0.08	18.64	8.63
820.	85.76	87.59	29.56	727.54	0.24	0.05	0.38	0.67	0.00	0.00	0.00	0.08	18.67	4.97
825.	82.74	87.79	40.06	727.54	0.23	0.05	0.38	-0.69	0.00	0.00	0.00	0.08	18.71	6.03
830.	81.95	85.64	50.27	727.54	0.24	0.05	0.38	-0.84	0.00	0.00	0.00	0.08	18.72	4.62
835.	88.62	89.24	59.53	749.52	0.24	0.05	0.36	-0.87	0.00	0.00	0.00	0.08	18.74	4.01
840.	77.63	80.57	69.74	705.56	0.23	0.05	0.37	-0.90	0.00	0.00	0.00	0.08	18.76	6.91
845.	85.36	85.50	10.12	806.66	0.23	0.05	0.36	2.80	0.00	0.00	0.00	0.08	18.77	6.20
850.	79.31	81.02	19.34	727.54	0.22	0.05	0.38	2.22	0.00	0.00	0.00	0.08	18.79	4.48
855.	83.69	86.69	29.55	727.54	0.22	0.05	0.35	0.81	0.00	0.00	0.00	0.07	18.81	4.62
860.	81.29	83.00	40.04	727.54	0.22	0.05	0.32	-0.64	0.00	0.00	0.00	0.07	18.81	6.02
865.	80.69	83.71	50.26	705.56	0.22	0.05	0.35	-0.79	0.00	0.00	0.00	0.07	18.82	5.34
870.	76.05	81.14	59.52	683.58	0.21	0.05	0.34	-0.82	0.00	0.00	0.00	0.07	18.83	3.96
875.	67.14	74.93	69.73	727.54	0.21	0.05	0.36	-1.00	0.00	0.00	0.00	0.07	18.84	6.24
880.	76.93	78.58	10.11	791.28	0.22	0.05	0.35	2.73	0.00	0.00	0.00	0.07	18.85	3.31
885.	74.61	77.71	19.34	661.60	0.21	0.05	0.34	2.02	0.00	0.00	0.00	0.07	18.85	5.51
890.	76.80	77.90	29.55	639.62	0.20	0.05	0.33	0.63	0.00	0.00	0.00	0.07	18.85	8.04
895.	74.61	75.63	40.04	639.62	0.21	0.05	0.33	-0.44	0.00	0.00	0.00	0.07	18.86	4.43

PRC18-P-3-1/2

TIME	42	43	44	45	46	47	48
0.	-0.11	0.17	-0.08	0.01	0.12	0.00	0.00
0.	-0.35	0.31	0.23	-0.47	0.18	0.00	0.00
0.	-0.03	-0.07	0.21	0.10	-0.23	0.00	0.00
0.	0.03	0.11	0.13	-0.16	0.10	0.00	0.00
0.	0.15	-0.26	-0.15	-0.13	-0.16	0.00	0.00
0.	0.31	-0.27	-0.33	0.65	-0.01	0.00	0.00
5.	1.21	-1.42	1.79	-0.99	0.10	0.00	5.00
10.	0.39	0.80	-0.10	-0.01	0.90	0.00	10.00
15.	4.17	-0.80	-0.62	0.86	-0.91	0.00	15.00
20.	2.65	0.53	0.32	0.07	-2.01	0.01	20.00
25.	5.17	1.81	-1.33	-1.13	-0.11	0.07	25.00
30.	-0.19	4.82	0.85	-1.22	-1.66	0.35	30.00
35.	3.44	4.77	-0.19	0.99	-3.91	1.09	35.00
40.	6.69	2.13	0.96	-1.47	-3.56	2.55	40.00
45.	6.80	2.24	0.78	-1.81	0.65	4.31	45.00
50.	5.55	1.72	-1.84	3.80	-4.26	6.08	50.00
55.	5.89	-0.88	3.40	-1.42	0.52	7.61	55.00
60.	7.40	2.30	0.43	-3.22	0.57	8.82	60.00
65.	6.05	2.33	1.26	-2.24	3.44	8.94	65.00
70.	3.35	4.94	-2.29	-2.72	0.20	10.12	70.00
75.	9.52	1.55	-0.36	0.80	-2.09	10.58	75.00
80.	5.15	3.91	-0.31	-0.05	-1.78	11.12	80.00
85.	11.57	0.74	-1.37	-0.91	-1.06	11.43	85.00
90.	7.63	4.67	-0.54	-0.89	-0.24	11.50	90.00
95.	9.72	0.10	0.50	-1.84	-4.25	11.58	95.00
100.	7.72	1.85	1.60	-1.33	-4.13	10.90	100.00
105.	7.85	4.75	-1.12	-1.65	-1.42	10.65	105.00
110.	6.10	5.68	0.26	-2.69	-0.04	11.34	110.00
115.	7.33	4.74	-4.17	4.60	-3.19	12.11	115.00
120.	8.51	4.91	-0.83	-2.52	0.64	11.72	120.00
125.	9.65	2.69	1.57	-2.04	-0.75	11.30	125.00
130.	9.38	1.92	-0.81	-0.64	-2.43	11.11	130.00
135.	11.11	-0.41	0.76	0.62	-2.81	10.69	135.00
140.	13.90	0.79	1.79	-2.87	1.10	11.21	140.00
145.	7.46	1.78	-0.87	-1.66	-4.41	10.96	145.00
150.	9.31	3.84	1.54	-4.21	-1.39	11.64	150.00
155.	7.95	2.45	-0.43	-1.53	-4.32	11.69	155.00
160.	8.19	3.67	1.51	-1.39	-2.75	10.69	160.00
165.	10.35	4.05	2.17	-0.91	-2.85	10.97	165.00
170.	8.62	4.13	1.78	-1.73	0.83	11.00	170.00
175.	7.22	4.78	0.82	-1.84	-1.95	10.97	175.00
180.	5.35	2.58	2.55	-1.49	-2.48	10.89	180.00
185.	10.75	2.17	-0.62	-0.73	-4.04	10.39	185.00
190.	6.86	3.05	1.60	-1.96	0.06	10.47	190.00
195.	6.08	3.78	-1.53	-2.09	-3.55	9.80	195.00
200.	13.47	2.01	-0.98	-0.21	-4.26	9.58	200.00
205.	7.79	4.19	-0.14	-2.20	2.52	9.87	205.00
210.	8.55	2.82	0.18	-0.65	-3.40	9.12	210.00
215.	5.98	5.57	-0.99	-0.69	-2.56	9.30	215.00
220.	6.44	3.60	-0.23	-0.23	-3.71	9.00	220.00

PRC18-P-3-1/2

TIME	42	43	44	45	46	47	48
225.	7.81	4.23	-0.51	-0.98	-1.06	9.18	225.00
230.	7.10	6.63	-3.87	1.49	-4.17	8.84	230.00
235.	6.67	2.35	0.62	-1.78	-2.22	9.05	235.00
240.	8.67	1.19	0.36	-2.77	-0.13	9.06	240.00
245.	7.41	4.28	2.12	-2.48	-0.19	8.43	245.00
250.	6.16	7.11	-0.42	-1.15	-2.13	9.22	250.00
255.	6.16	3.72	-0.67	0.16	-2.13	8.65	255.00
260.	8.27	2.26	-0.22	-1.49	-4.64	8.50	260.00
265.	6.95	2.92	0.62	-3.99	-1.59	8.48	265.00
270.	6.64	2.47	1.31	-2.52	-1.65	8.24	270.00
275.	5.08	4.48	0.53	-1.89	-4.00	8.00	275.00
280.	8.89	1.80	0.84	0.77	-2.61	8.32	280.00
285.	7.87	4.78	-0.72	-1.26	-2.49	8.00	285.00
290.	8.64	5.05	-0.36	1.32	-3.68	7.98	290.00
295.	3.88	4.99	0.21	-0.09	-2.14	7.14	295.00
300.	7.09	2.10	0.70	-0.76	-4.14	7.21	300.00
305.	7.98	1.45	0.48	-0.53	-1.95	7.15	305.00
310.	5.31	4.66	-1.53	-1.83	-0.21	6.79	310.00
315.	6.14	2.50	2.12	-2.29	-3.71	6.25	315.00
320.	8.52	1.84	1.19	-1.27	-1.10	5.86	320.00
325.	8.41	2.82	-2.13	2.24	-2.52	5.78	325.00
330.	8.01	1.40	-0.65	-0.20	-2.35	5.56	330.00
335.	4.91	2.92	1.24	-0.98	-4.41	5.15	335.00
340.	8.39	0.99	2.26	-0.61	-2.98	4.78	340.00
345.	6.75	3.48	-2.54	2.11	-5.78	4.45	345.00
350.	8.03	1.78	1.83	-1.21	-1.43	4.17	350.00
355.	8.52	1.36	1.71	-0.07	-3.04	3.94	355.00
360.	8.23	3.43	-0.55	0.23	-2.33	3.43	360.00
365.	6.10	5.04	-1.72	0.74	-3.84	3.47	365.00
370.	5.18	4.05	-0.91	-1.99	0.81	3.24	370.00
375.	4.57	4.69	0.63	-2.92	2.15	3.13	375.00
380.	6.26	2.26	1.12	-0.90	-2.36	2.87	380.00
385.	4.89	5.51	-1.64	0.53	-2.58	2.79	385.00
390.	5.13	3.19	-0.20	-3.22	0.74	2.73	390.00
395.	4.02	4.40	-0.94	-0.74	-1.71	2.50	395.00
400.	9.34	0.81	0.87	-1.46	-6.17	2.37	400.00
405.	4.82	4.19	-2.04	0.45	-3.74	2.25	405.00
410.	6.60	0.59	1.36	-3.40	-1.77	2.16	410.00
415.	7.49	2.08	-0.12	-1.13	-0.59	2.08	415.00
420.	5.72	2.25	-0.77	-0.44	-2.40	1.91	420.00
425.	6.92	1.54	-0.61	-1.39	0.18	1.89	425.00
430.	6.21	2.26	0.76	-1.32	-1.72	1.87	430.00
435.	3.07	3.81	-1.17	0.54	-2.06	1.80	435.00
440.	3.62	3.83	-0.25	-1.00	-1.66	1.64	440.00
445.	4.95	2.01	-0.24	0.06	-3.58	1.56	445.00
450.	6.07	1.96	0.66	-2.98	-1.26	1.67	450.00
455.	6.09	0.31	2.14	-3.60	-0.62	1.51	455.00
460.	4.46	4.43	-3.70	0.56	-5.17	1.41	460.00
465.	3.73	3.60	-0.63	0.27	-1.82	1.41	465.00
470.	4.99	2.12	-0.59	-0.13	-3.90	1.40	470.00

PRC18-P-3-1/2

TIME	42	43	44	45	46	47	48
475.	4.00	3.18	-0.84	-1.09	-1.08	1.30	475.00
480.	3.04	3.45	-1.94	1.74	-1.97	1.21	480.00
485.	5.62	2.16	-0.96	-0.07	-1.43	1.22	485.00
490.	1.77	4.10	-0.73	0.27	-2.10	1.17	490.00
495.	4.57	3.26	-2.14	-2.29	-5.87	1.08	495.00
500.	5.00	3.00	-0.86	-1.75	-0.64	1.02	500.00
505.	4.55	2.94	-0.04	-1.84	-0.78	1.00	505.00
510.	4.52	3.23	-2.68	-1.60	-2.65	0.90	510.00
515.	5.49	0.89	0.65	-0.41	-1.43	0.96	515.00
520.	5.61	0.58	0.50	-0.23	-1.01	0.84	520.00
525.	3.97	2.75	-0.12	-0.59	-0.64	0.84	525.00
530.	3.54	0.65	0.90	-0.49	-0.84	0.75	530.00
535.	5.69	0.75	-0.35	-0.73	-2.64	0.69	535.00
540.	2.29	3.93	-2.72	1.55	-4.04	0.64	540.00
545.	6.02	0.29	0.67	-1.26	-2.10	0.57	545.00
550.	4.17	1.92	-1.39	0.55	-1.80	0.54	550.00
555.	4.64	1.77	-1.07	0.84	-1.40	0.52	555.00
560.	5.62	0.13	1.95	-1.45	-0.93	0.44	560.00
565.	4.23	0.27	1.05	-1.74	-2.46	0.38	565.00
570.	2.88	1.65	0.17	-1.07	-0.08	0.31	570.00
575.	3.55	1.52	-0.73	-1.85	-2.38	0.33	575.00
580.	2.95	0.65	0.58	-1.40	-0.21	0.30	580.00
585.	1.31	2.98	-1.75	1.16	-1.75	0.25	585.00
590.	4.57	0.02	0.08	-0.55	-2.45	0.25	590.00
595.	4.92	-0.02	-0.31	-1.40	-3.97	0.25	595.00
600.	3.94	-0.32	1.22	-1.71	0.67	0.25	600.00
605.	3.36	0.89	0.66	-0.91	-1.08	0.20	605.00
610.	3.79	0.53	0.92	-1.35	0.68	0.19	610.00
615.	3.15	1.44	-0.70	-0.95	-2.46	0.19	615.00
620.	1.86	1.00	-0.52	0.46	-0.43	0.16	620.00
625.	4.59	-0.40	1.18	-1.92	-1.52	0.16	625.00
630.	3.34	1.00	-0.43	-0.97	-1.81	0.12	630.00
635.	2.90	1.71	-0.54	-1.39	-0.30	0.12	635.00
640.	3.19	0.54	0.32	-0.78	-3.48	0.11	640.00
645.	3.08	1.38	-1.08	-0.79	-1.14	0.08	645.00
650.	5.04	-0.44	0.70	-1.56	-1.43	0.06	650.00
655.	3.18	1.52	-0.07	-0.21	-1.22	0.06	655.00
660.	4.91	-0.76	0.36	-1.50	0.58	0.05	660.00
665.	2.91	1.21	-0.84	-0.43	-0.30	0.04	665.00
670.	0.00	3.51	-0.50	-0.30	1.64	0.02	670.00
675.	2.62	1.21	-0.79	0.18	0.80	0.03	675.00
680.	0.57	2.39	-1.11	0.07	-0.50	0.03	680.00
685.	0.05	2.09	0.10	-1.45	1.38	0.02	685.00
690.	3.00	0.95	-0.43	-0.56	-0.93	0.02	690.00
695.	3.41	-0.65	1.56	-1.22	0.16	0.01	695.00
700.	1.22	2.46	-1.49	-0.62	-0.19	0.01	700.00
705.	2.46	0.54	-0.65	-1.13	-1.62	0.00	705.00
710.	3.65	-0.14	0.28	-0.59	-0.55	0.00	710.00
715.	4.13	-0.74	1.05	-1.72	-0.90	0.00	715.00
720.	1.21	1.39	-0.16	-1.14	-0.95	0.00	720.00

PRC18-P-3-1/2

TIME	42	43	44	45	46	47	48
725.	1.96	2.10	-1.13	-0.44	-1.56	0.00	725.00
730.	3.77	-0.93	1.83	-2.96	-0.09	0.00	730.00
735.	2.91	0.05	0.90	-1.46	-0.58	0.00	735.00
740.	0.14	2.34	-0.91	-0.42	-0.06	0.00	740.00
745.	3.79	-1.20	0.80	-0.84	-2.56	0.00	745.00
750.	2.32	0.05	-0.08	0.52	-1.95	0.00	750.00
755.	1.79	1.59	-0.21	-0.84	-1.30	0.00	755.00
760.	1.70	1.03	-0.03	-0.49	-0.52	0.00	760.00
765.	1.60	1.02	0.40	-0.54	-1.75	0.00	765.00
770.	1.47	1.61	-0.95	0.57	-1.46	0.00	770.00
775.	2.13	0.53	0.48	-0.68	-0.72	0.00	775.00

PRC13-W-2-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	25.95	25.52	23.57	23.70	24.05	22.72	22.55	25.92	25.97	25.92	25.82	25.85	26.07	25.75
0.	25.80	23.67	23.72	23.72	23.02	22.12	22.67	25.88	26.00	25.90	25.90	25.85	25.97	25.72
0.	25.85	24.30	24.47	23.80	23.50	22.42	22.40	25.90	25.90	25.88	25.80	25.82	25.97	25.70
0.	25.77	25.32	24.52	23.85	24.35	22.22	22.32	25.82	25.92	25.88	25.92	25.80	25.97	25.85
0.	25.47	25.65	24.57	24.10	23.95	22.25	22.40	25.92	25.97	25.92	25.85	25.77	25.97	25.75
0.	25.82	25.42	24.92	24.22	22.75	22.38	22.65	25.90	26.00	25.85	25.82	25.72	26.02	25.72
5.	25.85	25.82	25.35	24.15	24.55	21.85	21.77	26.88	29.32	27.85	26.63	26.13	25.88	25.90
10.	28.60	33.00	32.68	24.20	24.13	22.38	22.35	27.63	31.54	29.66	28.67	29.27	29.67	29.63
15.	36.37	35.61	31.24	23.80	22.90	22.90	22.75	27.92	35.17	34.41	35.15	35.15	32.80	30.80
20.	37.49	37.66	29.92	23.57	22.80	22.90	23.00	28.10	38.17	35.41	35.80	36.46	35.12	35.54
25.	38.24	36.80	26.42	23.57	23.22	22.90	22.82	28.35	39.93	38.76	37.29	37.83	36.93	36.60
30.	39.71	37.22	29.00	23.37	23.50	22.63	22.05	28.75	41.10	38.44	38.15	39.07	38.54	37.37
35.	40.15	40.10	29.77	23.30	23.57	22.27	21.65	28.97	42.24	39.41	39.76	40.34	39.51	37.34
40.	43.73	43.12	31.61	23.27	23.45	21.88	21.80	29.10	43.19	39.93	40.41	41.34	40.17	38.80
45.	46.37	41.29	25.50	23.10	23.07	22.10	21.82	29.47	46.61	42.68	43.05	43.90	42.68	41.00
50.	49.85	44.71	34.15	22.75	22.17	21.97	22.40	29.32	49.22	44.37	44.61	44.93	44.12	44.76
55.	51.85	41.80	38.76	22.65	22.45	22.32	22.52	29.37	51.93	46.78	48.10	48.98	47.90	47.29
60.	58.24	51.29	36.00	22.65	22.90	22.25	22.45	30.34	53.98	48.78	50.19	51.66	50.15	51.63
65.	59.29	48.10	38.05	22.65	22.90	21.82	21.92	31.27	57.88	53.15	54.83	56.15	54.76	55.73
70.	72.19	54.10	39.24	23.40	21.67	21.82	21.77	32.29	62.90	57.85	58.62	60.26	58.33	58.93
75.	77.69	61.38	42.90	22.90	22.47	22.15	22.15	32.90	67.83	62.38	65.17	65.02	63.90	64.05
80.	84.62	64.76	49.90	23.20	22.30	22.60	22.25	35.39	75.56	71.90	73.66	75.93	74.22	77.19
85.	93.83	79.29	41.71	22.85	22.40	22.50	21.88	36.29	85.17	81.48	83.64	85.29	83.26	83.14
90.	114.85	89.38	57.00	23.10	22.50	21.85	21.85	39.27	102.05	88.31	91.62	97.50	93.79	94.31
95.	114.51	100.63	60.62	22.97	22.55	21.88	21.95	42.46	116.22	106.90	107.85	110.44	108.27	109.90
100.	155.07	119.24	62.50	22.70	22.45	21.85	21.82	45.46	129.39	122.93	120.73	126.34	125.54	123.07
105.	174.92	123.63	87.43	23.57	22.32	21.67	21.63	51.49	162.47	148.27	152.20	153.92	147.63	146.55
110.	198.15	171.17	104.19	26.20	22.67	21.90	21.82	58.69	194.95	179.45	191.22	186.70	175.17	170.07
115.	219.32	180.13	106.56	33.97	22.85	22.15	22.10	65.50	207.98	188.27	197.50	200.00	201.83	201.56
120.	229.37	195.35	57.49	23.57	22.57	22.45	22.57	76.61	252.00	232.97	235.15	238.24	232.38	216.22
125.	248.78	230.02	111.78	23.37	22.60	22.57	22.50	85.12	267.70	256.15	268.19	259.05	241.07	235.63
130.	278.07	236.83	88.95	23.13	22.55	22.17	22.25	102.02	296.34	270.49	276.19	281.76	262.90	253.90
135.	292.90	263.24	124.83	23.15	22.67	21.82	21.97	106.95	293.81	282.19	293.19	291.00	278.95	262.90
140.	314.63	282.73	170.32	23.17	22.75	21.77	21.80	110.07	315.49	292.36	304.93	305.39	295.93	296.29
145.	287.22	262.02	145.63	23.25	22.02	21.97	21.97	120.19	322.76	296.32	293.83	311.76	294.17	294.10
150.	302.44	272.12	100.29	23.50	23.22	22.10	21.85	133.08	325.00	314.49	314.71	317.76	291.12	288.71
155.	294.12	285.19	86.95	23.63	23.00	21.82	21.72	135.63	323.33	318.05	310.57	317.37	309.44	309.22
160.	288.51	280.76	171.70	23.35	22.12	21.80	21.77	144.32	342.79	315.54	315.00	322.19	317.44	293.33
165.	312.36	282.83	119.76	23.47	22.67	21.97	21.90	147.57	340.50	314.61	311.86	317.33	313.90	308.88
170.	311.44	288.95	127.93	23.67	23.25	21.90	21.80	154.10	346.73	313.48	322.26	325.29	316.29	293.83
175.	306.61	286.15	150.02	23.63	23.13	22.02	22.00	164.50	351.36	323.93	325.43	322.79	309.00	291.67
180.	306.58	287.88	149.60	23.67	23.25	21.80	22.07	168.10	340.74	320.55	321.02	325.31	317.22	312.17
185.	318.76	288.76	141.97	23.87	23.25	22.17	22.05	168.47	350.71	327.00	328.55	324.52	310.88	314.17
190.	316.54	295.10	111.37	24.10	22.17	22.02	22.05	170.63	341.62	319.21	340.58	346.54	313.43	313.67
195.	317.68	283.58	140.77	24.00	23.05	22.12	22.25	174.67	342.14	321.31	342.46	339.73	315.31	311.29
200.	316.15	290.68	95.36	23.70	23.55	22.22	22.17	177.10	345.24	314.31	322.26	316.98	314.15	312.51
205.	316.29	290.78	152.13	23.50	22.32	21.77	22.02	179.02	339.83	315.74	339.02	342.44	318.40	317.17
210.	309.85	283.95	110.34	23.65	22.12	22.42	21.90	184.88	342.52	313.52	322.33	319.69	315.24	301.88
215.	312.34	285.24	142.30	23.52	22.95	22.30	21.72	185.02	342.00	315.26	323.40	320.38	310.64	315.78
220.	311.76	290.05	148.95	23.70	23.27	21.97	21.88	184.77	342.70	317.62	325.31	324.90	312.95	317.22

PRC13-W-2-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	315.68	289.02	136.97	23.60	22.70	21.95	21.80	184.22	323.48	317.39	315.93	315.67	312.02	309.68
230.	314.09	294.80	160.65	23.82	22.47	22.05	22.30	184.60	328.93	321.52	323.95	323.74	315.93	316.22
235.	312.73	292.86	118.51	23.57	22.85	22.20	22.07	188.52	340.49	323.59	324.14	324.67	313.68	306.56
240.	312.54	292.15	140.35	24.25	24.15	21.95	21.72	189.38	346.19	320.02	322.07	318.00	314.27	308.02
245.	304.54	293.90	161.32	24.00	22.77	21.88	21.80	187.88	341.62	317.90	327.29	329.43	317.17	311.63
250.	305.29	291.88	145.20	23.47	22.88	21.97	22.00	191.82	325.64	317.00	322.03	324.86	311.85	311.15
255.	309.56	294.37	138.17	23.40	23.27	22.17	22.17	194.15	324.19	318.52	318.80	322.67	317.19	313.00
260.	297.39	294.49	164.17	23.45	22.07	21.67	21.60	192.15	340.46	321.52	325.95	323.59	314.74	310.74
265.	311.63	294.95	188.42	23.65	22.77	21.90	22.20	192.82	342.17	316.19	321.17	324.26	310.83	311.34
270.	290.88	272.68	134.60	23.80	24.07	22.22	22.47	197.35	313.12	312.61	315.41	312.01	309.76	308.54
275.	303.02	291.78	137.05	24.25	23.82	22.10	22.30	194.65	341.27	318.26	321.09	323.24	317.50	309.27
280.	301.51	291.37	142.35	23.87	22.88	22.35	21.90	197.80	341.51	317.12	324.00	329.52	313.14	309.68
285.	311.12	286.44	133.47	23.72	22.50	22.00	21.95	200.52	340.44	315.02	314.08	317.45	312.39	302.24
290.	314.29	291.17	145.22	24.10	22.80	22.45	22.17	198.47	339.93	318.02	318.71	317.29	309.19	307.19
295.	302.73	284.07	172.42	23.80	22.55	22.30	22.00	202.05	322.71	310.50	317.24	310.31	309.61	304.63
300.	291.79	288.39	97.50	24.00	22.60	21.85	21.88	203.22	324.69	311.88	314.55	310.57	310.27	304.71
305.	289.95	286.29	181.90	24.50	22.57	22.57	22.65	201.92	317.22	312.24	313.10	315.66	306.60	305.34
310.	291.98	287.39	94.95	24.38	22.75	22.15	22.20	202.77	313.67	315.32	313.50	314.48	310.24	306.10
315.	304.51	279.15	90.52	24.88	23.85	22.57	22.47	202.50	316.50	306.68	312.05	314.56	305.02	309.10
320.	292.05	281.19	147.60	24.92	24.50	22.65	22.02	201.32	316.07	308.27	313.07	311.76	308.05	291.71
325.	306.00	287.27	107.34	24.75	24.25	22.67	21.97	202.25	317.52	309.68	312.12	312.76	306.68	301.63
330.	294.17	276.80	79.02	24.70	23.30	22.35	22.20	201.39	325.29	312.19	313.49	310.57	303.73	295.41
335.	302.17	284.98	126.24	24.17	22.70	22.30	21.85	202.61	326.21	310.93	316.71	317.63	302.61	304.39
340.	291.45	286.76	145.88	24.20	23.50	22.12	21.82	201.15	315.88	311.85	313.07	316.95	303.90	292.40
345.	293.51	278.90	88.26	24.27	22.97	22.90	22.00	199.88	315.88	307.56	311.10	311.88	305.12	302.61
350.	293.98	280.66	152.95	24.15	22.60	22.85	22.17	199.61	322.39	317.19	314.09	314.14	305.66	291.05
355.	292.26	276.88	137.90	24.25	22.90	22.27	22.20	200.29	323.93	312.93	315.00	315.29	297.44	295.07
360.	288.71	280.27	128.63	24.05	23.47	22.22	22.20	201.98	321.50	315.51	317.54	317.58	307.10	302.80
365.	289.12	282.41	101.73	24.47	23.37	22.52	22.15	204.54	318.45	309.37	314.98	316.54	309.29	311.95
370.	303.15	292.29	122.68	24.27	23.60	22.27	22.00	200.54	311.19	311.85	310.57	311.79	307.22	307.54
375.	295.46	286.44	79.90	24.27	23.95	22.25	22.07	201.90	319.24	313.83	315.73	317.54	294.19	295.90
380.	297.63	268.95	108.15	24.35	24.02	22.10	21.95	201.51	320.17	309.19	310.50	316.58	291.95	290.95
385.	305.49	285.51	152.07	24.70	24.10	22.50	22.10	201.44	311.36	306.78	308.19	310.19	303.00	301.90
390.	295.54	288.76	124.51	25.05	23.27	22.02	21.80	203.76	314.64	306.93	311.46	313.43	313.68	311.32
395.	293.48	283.76	118.17	24.65	23.65	22.05	22.15	204.68	322.98	315.51	311.69	313.24	309.44	302.80
400.	293.57	283.37	112.32	24.05	23.45	22.02	21.82	205.10	319.57	312.24	317.85	316.17	308.10	292.62
405.	290.95	282.29	135.52	24.20	22.57	21.85	21.70	206.22	315.12	303.93	305.95	309.70	306.22	309.71
410.	296.95	287.85	105.22	24.25	23.63	22.32	22.12	207.05	311.90	307.32	315.29	317.22	312.44	310.88
415.	293.73	283.68	136.72	24.40	24.13	21.90	22.10	206.44	319.00	316.93	314.69	314.50	309.00	304.15
420.	297.78	286.02	151.63	24.30	23.67	22.12	21.95	214.10	315.05	314.39	312.33	316.66	304.46	305.19
425.	294.90	281.17	148.00	24.38	23.25	22.22	22.27	207.10	315.49	310.07	313.00	315.73	304.22	306.90
430.	296.73	280.39	124.88	24.50	23.72	22.17	22.30	215.22	312.40	310.37	316.12	313.62	314.22	313.02
435.	292.24	288.34	171.27	24.80	23.87	22.55	22.40	216.17	315.33	315.61	315.80	316.05	306.56	304.93
440.	292.95	283.78	170.60	24.35	23.27	22.82	22.32	215.50	316.21	312.32	317.10	313.43	305.61	308.63
445.	288.73	286.76	140.70	24.10	23.63	22.55	22.68	214.22	315.76	316.27	313.31	316.17	308.34	296.05
450.	290.68	279.68	159.50	24.27	24.13	22.50	22.30	214.72	317.95	311.59	312.93	314.12	307.58	293.62
455.	293.63	282.54	140.22	24.25	22.82	22.77	22.12	208.29	317.24	309.27	311.76	317.78	309.58	309.85
460.	308.34	286.56	110.78	24.17	23.52	22.12	21.80	215.27	320.02	311.44	317.54	310.86	316.07	306.76
465.	293.67	283.71	125.73	24.75	24.85	22.17	22.12	216.20	326.17	312.90	311.52	312.12	309.90	305.66
470.	297.19	283.95	111.73	24.42	24.25	22.30	22.30	219.15	319.50	302.83	311.58	310.62	309.73	311.27

PRC17-W-4-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	455.48	434.65	406.90	45.44	23.75	23.63	22.85	457.44	519.76	494.19	493.49	495.12	490.23	497.38
480.	456.90	431.86	405.58	65.36	23.50	23.60	23.50	455.81	511.06	497.67	490.46	493.35	490.33	491.16
485.	453.81	430.93	405.95	77.76	24.57	23.70	23.20	453.02	519.05	490.93	496.43	491.05	479.53	479.07
490.	438.33	432.32	395.00	49.44	23.92	24.25	23.32	451.39	493.49	498.09	497.14	496.43	478.84	472.79
495.	433.26	424.76	395.48	37.66	23.97	23.27	22.57	460.71	498.14	498.09	493.57	495.71	494.20	478.14
500.	435.35	434.28	401.90	35.19	23.57	23.40	23.02	456.43	495.35	493.57	479.07	493.06	476.51	476.98
505.	435.95	432.14	396.19	51.98	23.75	23.67	23.13	454.76	497.14	476.51	474.80	479.30	473.49	472.32
510.	437.86	421.43	381.19	38.44	23.77	23.95	23.25	452.14	494.76	472.32	472.56	473.49	471.39	468.60
515.	432.86	409.30	383.57	41.22	24.45	23.87	23.45	447.53	494.02	471.06	469.53	470.23	465.35	466.74
520.	430.00	410.93	368.14	35.24	23.60	23.13	22.77	434.63	495.95	465.12	462.96	466.99	462.32	466.28
525.	410.70	406.74	386.90	55.34	23.60	23.13	22.85	432.09	493.97	462.09	462.79	463.72	462.32	457.67
530.	426.19	409.53	394.76	48.54	22.92	23.00	23.42	438.21	468.04	458.84	457.91	459.77	456.90	453.02
535.	408.84	408.14	388.81	39.90	22.88	22.98	23.60	435.43	467.44	455.81	454.65	455.58	451.63	459.76
540.	407.21	409.05	385.71	35.27	23.25	22.88	23.70	430.64	458.04	456.51	455.01	456.90	458.70	451.16
545.	405.81	403.72	382.14	33.73	23.67	23.15	22.57	428.67	457.44	458.33	456.19	457.38	454.05	448.46
550.	408.37	401.90	346.15	33.49	23.57	23.67	22.70	424.36	456.28	458.33	452.62	455.71	455.00	456.19
555.	409.28	399.52	354.07	35.39	23.42	22.90	22.60	420.93	450.93	435.81	435.50	436.90	432.79	448.24
560.	408.09	397.86	363.72	45.49	23.27	23.00	22.90	407.35	458.57	438.14	434.19	434.88	433.49	439.52
565.	406.43	393.57	368.57	35.22	24.97	23.63	22.92	404.00	438.02	435.07	432.02	430.58	437.30	432.43
570.	398.57	385.95	364.31	32.83	23.72	22.97	22.67	409.64	437.49	434.28	434.36	434.40	433.21	430.55
575.	393.81	382.86	350.21	30.80	23.47	22.72	22.47	405.50	436.44	434.26	433.33	436.93	436.40	428.31
580.	395.95	384.52	361.59	31.73	23.85	22.77	22.70	401.59	431.72	434.38	432.86	433.02	430.57	426.59
585.	393.09	386.67	350.29	32.15	23.13	22.92	22.67	398.33	434.93	433.36	428.98	429.19	425.62	409.07
590.	391.43	385.48	347.71	30.02	23.32	23.20	22.60	393.86	427.48	423.14	424.29	429.36	422.02	421.69
595.	381.90	370.00	350.36	29.56	23.35	23.38	22.88	391.24	420.55	422.26	421.83	423.59	421.52	408.12
600.	370.70	362.09	347.61	29.66	23.72	23.25	23.77	387.48	409.16	405.58	403.21	405.79	403.95	403.23
605.	369.09	369.79	353.59	30.34	23.02	23.13	22.77	383.95	405.49	401.44	400.62	409.79	407.24	402.55
610.	363.49	363.32	341.27	30.17	24.22	23.55	23.77	370.95	406.52	405.45	403.50	404.43	400.31	396.07
615.	367.71	356.59	293.88	30.90	23.63	22.88	23.50	367.98	404.59	402.93	399.88	399.83	396.98	395.31
620.	369.29	357.62	344.07	29.49	23.37	22.95	22.60	365.37	409.64	400.33	399.21	400.26	399.52	393.36
625.	363.64	356.74	340.80	30.85	23.27	23.07	22.77	370.21	394.01	395.48	393.52	397.76	396.74	395.31
630.	360.55	351.57	318.52	39.51	23.22	23.10	22.95	365.55	393.12	392.38	388.76	391.88	390.33	384.87
635.	356.19	348.98	315.09	34.61	23.17	23.10	23.22	361.19	384.40	384.55	371.49	382.07	383.76	381.59
640.	350.29	346.41	317.29	30.54	23.40	22.97	22.72	357.86	378.53	369.86	365.12	380.58	369.65	367.65
645.	349.71	346.88	308.27	29.51	23.15	22.88	22.60	353.48	364.86	366.98	362.46	365.16	365.79	368.17
650.	341.98	342.90	312.86	29.52	23.80	23.05	23.05	350.02	362.96	370.19	367.62	362.32	367.69	364.02
655.	344.07	329.14	268.24	29.68	22.77	23.07	22.65	346.29	365.93	365.12	362.59	366.48	367.14	363.21
660.	339.66	320.14	277.29	29.41	23.82	23.22	22.90	342.00	358.17	357.83	353.71	356.33	355.59	355.05
665.	326.07	313.02	243.63	29.15	23.40	23.40	23.45	347.46	354.55	353.36	340.17	350.19	349.83	346.14
670.	324.45	317.09	239.66	29.60	24.00	23.13	22.47	343.32	350.12	349.74	345.52	344.59	344.76	341.83
675.	320.21	313.33	223.95	29.46	23.90	22.97	23.20	339.63	344.50	344.24	340.71	341.33	340.89	345.63
680.	311.24	313.15	240.07	29.88	23.77	22.52	22.65	327.64	346.51	346.44	342.66	343.98	340.88	330.12
685.	316.98	309.27	178.15	29.80	23.75	22.65	22.85	324.95	343.90	342.51	339.15	339.05	338.09	327.76
690.	311.27	305.32	228.27	29.45	22.60	22.92	23.07	321.71	330.09	329.88	325.86	327.71	327.62	324.88
695.	310.93	304.87	225.97	29.05	22.80	22.92	22.77	318.90	325.45	327.33	324.21	325.19	325.14	321.88
700.	307.02	301.73	236.05	28.32	22.80	22.92	22.75	315.67	320.62	322.24	319.50	320.97	320.83	318.74
705.	303.29	291.43	226.65	28.35	23.25	22.70	22.88	313.00	316.98	319.12	316.40	317.31	317.40	315.31
710.	292.62	294.56	228.15	28.60	22.85	22.67	22.57	317.98	313.90	315.86	312.50	312.06	313.48	311.05
715.	297.07	293.00	204.46	27.88	22.65	22.70	22.72	315.54	317.90	313.14	317.76	317.90	310.59	316.82
720.	294.85	289.93	224.05	27.35	23.15	23.00	22.67	313.19	314.08	310.71	313.71	314.56	315.85	313.73

PRC17-W-4-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	289.29	283.98	214.75	27.42	22.97	23.00	22.47	311.49	311.49	313.39	310.63	311.80	312.56	309.05
730.	286.93	265.56	197.75	27.80	22.70	22.70	22.63	309.56	310.73	311.98	307.71	304.80	303.61	291.07
735.	282.83	260.05	185.20	27.60	22.55	22.72	22.67	307.49	308.66	308.76	293.98	292.81	297.41	289.68
740.	279.58	262.83	166.25	27.75	23.67	23.72	22.60	305.37	306.12	304.46	297.51	295.27	292.49	290.12
745.	275.58	254.56	182.67	27.55	22.95	22.80	22.52	303.27	303.19	302.76	295.56	293.07	292.90	283.90
750.	270.39	255.07	194.80	26.95	23.22	23.07	22.50	293.98	298.31	293.62	293.98	289.32	288.41	283.90
755.	271.39	245.61	182.35	27.45	23.02	22.77	22.02	292.00	296.90	295.90	290.27	286.83	285.41	279.88
760.	268.41	242.90	182.82	27.02	22.65	23.15	23.15	297.29	293.66	293.98	288.80	285.17	285.56	277.63
765.	265.95	237.78	174.10	27.35	22.82	22.80	23.35	295.49	292.22	291.98	285.41	282.09	281.29	277.34
770.	262.90	244.29	179.30	27.25	22.72	22.75	23.13	293.71	287.54	290.17	283.37	282.24	281.07	273.88
775.	262.02	241.34	179.70	28.35	23.05	22.88	22.47	291.95	288.44	287.49	281.00	279.00	278.68	271.54
780.	256.46	242.44	201.40	27.35	23.15	22.65	22.67	290.29	285.76	284.98	278.00	276.90	275.90	270.78
785.	256.93	233.44	181.20	27.10	23.05	22.77	22.55	288.61	282.54	280.93	273.63	271.78	273.83	264.78
790.	251.07	234.34	184.65	27.05	25.72	23.22	22.82	287.00	282.56	280.56	271.76	269.49	271.90	263.63
795.	256.51	232.10	166.45	27.02	23.30	22.60	22.27	285.51	282.22	279.34	272.68	269.27	271.46	261.71
800.	247.12	232.32	170.72	26.52	22.72	22.82	22.95	283.80	262.41	278.90	269.82	266.07	267.19	256.93
805.	242.27	223.22	169.25	26.60	23.13	22.52	22.80	282.32	280.78	275.76	268.60	264.41	259.51	252.12
810.	250.68	227.47	147.10	26.77	23.00	23.00	22.32	280.85	278.10	274.54	267.22	262.05	256.63	247.15
815.	242.22	223.92	148.88	27.38	23.80	22.88	22.60	279.46	274.98	272.93	265.12	257.98	255.05	246.73
820.	241.05	217.10	140.80	27.57	22.75	22.85	22.92	278.05	272.63	271.51	262.27	255.05	255.80	246.05
825.	241.24	221.17	161.00	26.77	22.47	22.72	22.92	276.71	272.46	270.39	259.22	254.90	253.46	241.80
830.	241.80	217.57	177.55	26.07	22.57	22.63	22.42	275.39	270.71	268.00	259.37	253.49	252.46	240.34
835.	234.54	218.22	161.52	26.52	23.30	22.30	22.32	274.15	268.80	266.63	257.00	249.68	249.58	239.98
840.	231.39	218.22	154.32	26.45	22.70	22.47	22.50	272.00	266.32	265.58	255.12	247.12	249.05	238.61
845.	237.78	218.37	162.20	26.15	23.05	23.30	22.55	271.76	266.05	264.83	253.00	245.15	249.05	238.66
850.	232.22	206.37	149.67	26.85	22.77	23.20	23.17	270.37	263.73	261.07	251.37	245.66	246.05	236.07
855.	236.98	207.05	141.20	27.25	22.65	22.97	23.05	269.27	263.58	260.73	251.17	247.58	244.95	239.66
860.	230.46	206.10	168.67	26.55	23.17	22.90	22.30	268.24	263.78	260.41	252.34	242.24	243.70	232.76
865.	229.27	203.95	160.75	26.35	23.10	22.70	22.85	267.12	262.73	257.95	247.56	242.61	244.78	235.39
870.	228.22	216.37	165.07	26.17	25.52	22.97	23.10	265.78	258.19	257.54	245.56	242.98	246.05	234.61
875.	231.63	203.49	159.38	26.05	25.55	22.82	22.62	264.90	259.41	254.73	248.24	241.78	243.41	237.32
880.	231.45	200.73	146.97	26.35	22.95	22.67	22.42	263.98	259.32	255.29	246.44	240.10	240.93	232.95
885.	228.41	200.44	151.27	26.52	23.00	22.52	22.20	262.85	255.93	254.29	242.68	236.60	240.85	228.37
890.	231.30	206.56	135.27	26.77	22.70	22.70	22.30	261.88	256.24	253.41	242.05	237.22	242.90	232.46

PRC17-W-4-1/4

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	23.45	24.27	23.77	23.60	23.50	22.27	22.75	22.45	22.20	23.95	26.05	22.17	22.17	22.27
0.	23.40	24.25	23.77	23.55	23.55	22.32	22.72	22.47	22.27	23.95	26.05	22.15	22.12	22.27
0.	23.40	24.25	23.82	23.52	23.47	23.07	22.63	22.42	22.27	23.92	26.00	22.10	22.07	22.20
0.	23.40	24.22	23.80	23.65	23.52	23.07	22.77	22.38	22.25	23.90	26.07	22.10	22.12	22.32
0.	23.42	24.17	23.82	23.65	23.47	23.10	22.85	22.35	22.25	23.85	26.07	22.17	22.25	22.25
0.	23.45	24.27	23.82	23.65	23.47	23.05	22.92	22.42	22.30	24.00	26.07	22.25	22.27	22.27
5.	30.68	32.05	28.65	25.72	24.40	22.85	23.75	23.25	22.77	24.07	29.80	22.82	22.75	22.57
10.	38.17	38.10	32.34	29.98	25.80	24.45	24.13	23.35	22.95	24.38	33.02	22.85	22.85	22.65
15.	46.83	49.29	39.32	38.00	28.65	25.27	24.52	23.47	23.05	24.75	35.37	22.97	22.85	22.67
20.	54.98	58.17	48.22	43.19	32.83	26.89	24.60	23.57	23.30	25.15	39.39	23.05	23.10	22.70
25.	58.79	60.09	56.24	47.73	35.07	27.55	25.00	23.80	23.42	25.80	42.49	23.27	23.15	22.72
30.	76.07	79.43	59.50	53.95	41.95	29.27	25.27	24.05	23.55	26.63	46.88	23.27	23.25	22.77
35.	92.81	97.52	73.41	59.88	45.10	34.32	26.00	24.70	23.95	27.82	50.15	23.57	23.50	22.88
40.	115.83	119.24	83.64	73.80	48.44	40.95	29.07	25.15	24.02	29.80	64.29	23.40	23.52	22.97
45.	140.20	145.15	102.17	84.14	53.05	40.39	30.24	26.47	24.57	31.15	73.61	24.30	24.47	23.13
50.	165.92	162.10	125.34	90.26	59.79	41.07	30.27	26.72	25.22	33.49	80.19	25.30	25.10	23.32
55.	190.67	190.52	144.52	118.45	62.36	41.95	31.80	28.30	26.70	36.32	88.50	26.45	27.02	23.72
60.	206.80	218.15	172.22	142.45	72.66	47.02	31.07	29.15	28.20	40.80	103.12	26.82	27.32	24.30
65.	230.29	240.68	203.44	170.10	89.43	51.07	32.61	29.93	28.92	45.00	113.37	28.67	28.85	24.62
70.	246.41	246.37	221.30	188.20	94.40	58.05	35.85	32.34	30.24	52.15	134.37	29.55	29.78	25.55
75.	302.63	286.80	236.61	198.76	113.98	62.69	41.80	34.56	31.56	58.38	155.95	31.05	31.66	26.27
80.	324.59	291.86	264.15	228.58	136.27	78.37	49.44	36.39	34.61	71.07	167.17	32.61	33.66	27.20
85.	345.88	319.17	294.56	254.41	154.75	83.88	53.46	42.46	38.51	84.02	191.05	35.10	36.12	28.52
90.	365.12	342.85	306.32	273.61	155.72	95.59	59.98	45.27	41.46	96.52	199.05	39.00	40.68	29.92
95.	371.12	348.19	330.24	304.07	181.22	106.93	60.24	52.17	44.83	115.24	220.60	42.71	47.19	30.54
100.	382.86	369.79	344.43	315.46	217.70	116.61	64.21	56.46	48.76	128.98	228.95	45.22	46.71	32.44
105.	404.29	367.91	351.02	310.63	201.56	122.37	70.80	59.33	53.95	143.52	245.41	47.54	53.02	34.34
110.	407.14	386.43	355.40	317.62	234.05	128.89	79.10	61.29	57.98	153.85	262.73	49.95	52.34	36.63
115.	401.39	393.57	365.93	344.80	250.66	142.17	82.29	59.83	55.61	164.00	275.63	49.93	52.24	38.54
120.	425.00	407.62	370.70	342.26	260.22	146.52	83.21	64.86	57.39	171.67	291.76	52.98	54.24	40.27
125.	432.62	399.28	370.24	341.07	246.41	148.72	96.52	66.00	64.17	172.22	295.56	56.61	56.68	42.37
130.	433.33	408.89	380.95	350.12	250.49	157.88	96.55	66.09	60.36	182.95	305.61	56.58	59.26	44.00
135.	431.16	409.77	385.48	361.90	262.49	157.65	102.73	76.49	65.12	183.95	315.39	60.31	64.24	45.70
140.	433.95	409.52	382.14	354.90	257.85	152.95	91.83	79.86	67.57	192.20	319.29	60.57	63.36	48.17
145.	438.57	407.44	394.52	366.51	273.95	168.50	102.27	83.86	72.29	194.82	324.71	64.26	66.62	50.61
150.	425.00	409.77	397.38	359.19	260.98	170.57	100.61	83.71	71.73	200.65	343.37	60.12	62.45	52.49
155.	451.90	432.62	401.67	363.24	256.46	160.07	96.59	83.00	75.10	201.63	340.55	70.24	72.85	54.02
160.	439.76	407.67	409.28	380.95	270.29	174.57	103.88	83.29	79.67	201.61	344.05	76.00	77.19	56.22
165.	435.95	410.23	405.00	363.26	271.78	170.35	105.49	83.76	77.71	202.12	351.17	67.48	72.78	58.17
170.	436.28	431.43	404.42	401.19	308.76	165.65	101.90	87.05	81.26	205.98	356.93	72.19	75.88	58.52
175.	460.48	455.00	427.14	395.00	296.29	175.65	110.07	89.33	81.36	217.60	366.64	79.44	80.38	60.07
180.	454.28	433.09	407.67	365.81	276.12	186.47	110.68	88.57	83.36	217.88	368.29	78.50	78.24	62.24
185.	456.67	435.58	406.28	382.62	286.68	179.45	109.61	93.67	80.64	226.50	361.84	77.08	78.78	63.36
190.	431.16	433.81	406.28	391.19	292.32	185.28	116.39	97.36	85.36	226.57	367.26	77.95	79.55	64.57
195.	454.52	434.88	421.67	392.86	303.44	179.88	111.70	93.67	90.31	231.20	381.26	82.86	84.60	66.17
200.	458.57	457.86	439.77	434.76	304.41	183.75	115.54	95.57	90.29	230.85	388.50	82.29	81.33	67.67
205.	463.49	451.16	435.48	409.05	293.83	188.57	116.98	96.81	90.59	228.22	394.21	81.52	83.90	70.32
210.	470.93	438.37	432.86	418.93	290.22	187.72	122.00	97.59	93.88	230.72	396.06	82.43	84.26	71.85
215.	471.63	451.16	433.49	434.76	303.76	185.07	120.90	97.14	96.29	232.56	400.81	80.00	89.33	73.58
220.	474.19	456.05	432.09	425.24	304.90	190.92	121.54	97.36	101.32	240.00	404.83	96.12	100.41	75.05

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	462.32	455.35	456.19	436.19	311.68	190.32	120.85	102.10	94.95	249.17	410.40	90.33	91.26	76.93
230.	473.49	464.19	440.23	434.05	317.55	193.65	119.90	104.98	102.71	240.85	408.19	96.19	95.95	78.68
235.	476.05	472.32	455.24	425.71	320.71	190.47	119.78	105.37	106.27	237.61	402.77	94.59	95.38	78.74
240.	460.70	452.56	433.02	407.62	318.00	198.00	126.49	106.44	105.98	247.02	405.21	93.98	94.50	80.00
245.	468.60	458.37	432.09	405.71	314.73	210.60	137.25	106.61	97.40	249.88	406.70	80.52	89.40	80.76
250.	476.98	458.37	436.98	409.77	319.40	213.60	133.90	107.98	103.10	252.32	409.72	90.31	93.88	81.14
255.	496.19	463.02	433.02	425.95	328.17	215.80	138.07	110.78	110.63	253.93	409.67	97.19	100.39	81.81
260.	465.12	465.35	440.46	426.67	313.71	209.00	127.41	113.68	111.70	254.15	423.52	104.05	100.54	82.93
265.	490.93	479.53	460.93	439.76	310.57	201.47	134.90	112.24	111.12	260.49	425.09	106.08	102.12	83.90
270.	493.25	476.28	454.65	426.67	324.79	216.45	133.62	110.37	110.17	264.27	426.12	98.33	101.46	84.52
275.	501.67	475.81	455.95	435.00	314.79	215.50	135.17	111.68	111.56	267.07	429.02	96.90	101.22	84.67
280.	493.25	469.77	455.24	406.05	342.02	217.15	138.30	120.83	114.03	267.83	431.29	112.54	117.66	84.86
285.	501.67	471.39	455.71	435.48	324.95	220.40	143.40	123.66	119.58	266.98	431.29	103.71	107.61	86.45
290.	478.14	470.00	454.42	440.23	338.58	201.71	139.30	117.41	118.05	266.39	432.90	102.58	106.49	87.81
295.	495.71	478.37	460.00	438.37	357.62	221.42	145.02	118.63	113.24	272.63	436.48	103.73	103.37	89.14
300.	498.57	479.30	458.37	437.62	346.86	219.52	140.30	123.66	118.61	273.02	438.26	125.61	123.85	90.14
305.	495.24	467.44	458.09	422.38	339.37	223.47	139.45	120.34	120.95	272.10	438.83	105.90	107.44	91.43
310.	496.05	479.77	456.67	425.71	322.64	223.60	147.88	120.51	114.56	277.10	439.76	104.07	108.39	91.90
315.	477.67	457.67	457.62	421.19	342.85	231.22	147.47	122.56	116.24	283.54	439.45	107.44	106.66	92.45
320.	477.21	475.35	453.25	426.43	340.31	206.66	143.47	124.49	122.27	282.37	440.09	109.71	108.44	93.38
325.	491.63	468.84	454.05	421.43	340.93	207.83	145.77	123.49	121.02	281.88	431.70	111.58	115.88	94.45
330.	491.90	472.56	454.19	425.00	312.40	213.77	146.02	124.05	135.65	281.63	433.65	116.07	124.22	95.67
335.	501.67	466.51	457.62	439.52	341.38	220.90	141.52	123.83	123.17	284.68	434.93	108.00	110.61	96.29
340.	477.67	468.37	454.42	440.48	326.83	216.75	148.37	121.78	124.98	280.32	433.70	113.78	117.88	96.86
345.	480.00	473.02	452.32	439.29	343.15	220.95	145.80	125.90	121.98	286.44	435.77	113.19	118.15	97.24
350.	478.37	474.19	452.79	436.19	356.43	221.00	140.12	123.32	137.07	285.83	435.32	113.15	120.41	97.52
355.	495.81	497.86	460.70	436.28	353.24	232.10	156.85	129.95	128.27	288.24	436.51	118.98	121.73	100.37
360.	478.14	471.86	457.67	436.74	348.51	221.77	147.05	126.32	120.07	288.56	437.26	117.17	120.98	101.17
365.	495.00	476.51	458.14	435.00	341.24	222.85	150.25	128.78	134.05	283.83	437.12	118.10	119.34	103.05
370.	492.14	471.39	456.05	435.81	348.15	220.35	152.35	126.68	129.37	285.76	437.67	119.51	117.63	104.12
375.	499.76	475.58	463.72	455.12	348.24	225.75	151.15	129.49	134.92	291.15	438.91	117.32	115.98	105.29
380.	**501.19**	**494.52**	**482.56**	**432.56**	**348.62**	**237.87**	**160.87**	**133.65**	**135.58**	**292.71**	**458.98**	**122.82**	**119.27**	**106.27**
385.	500.95	479.30	455.58	452.62	355.24	230.22	164.88	141.40	139.13	294.63	451.57	121.58	120.58	106.78
390.	493.09	474.88	459.77	436.28	352.81	232.40	163.97	141.02	136.32	283.95	439.35	110.66	128.29	107.49
395.	492.79	499.52	463.72	439.07	347.09	222.77	156.02	139.35	138.28	291.44	451.89	121.46	120.88	108.24
400.	498.09	470.46	459.53	433.95	352.09	231.63	161.13	137.22	136.13	297.58	440.32	117.95	125.22	109.19
405.	498.33	494.28	465.01	453.33	351.83	231.37	171.27	139.22	143.70	292.26	453.19	122.29	125.39	109.37
410.	499.52	495.00	457.21	436.19	355.43	231.41	161.92	142.00	139.05	295.29	453.09	135.82	135.97	110.61
415.	492.38	476.28	465.12	456.67	360.71	231.05	156.00	138.05	127.85	296.73	453.93	115.95	125.41	111.41
420.	497.14	472.79	456.98	436.19	349.55	234.32	162.95	140.00	142.12	292.34	453.57	121.32	135.15	111.10
425.	493.09	475.35	455.58	439.57	360.95	220.27	155.02	140.82	141.15	290.74	454.05	121.90	125.98	111.61
430.	496.67	472.79	462.32	451.16	350.31	229.93	156.77	134.02	140.60	295.41	453.81	124.10	127.27	111.80
435.	497.86	468.37	456.98	432.86	364.76	231.49	161.50	136.85	139.25	293.50	454.26	135.22	137.40	112.17
440.	479.07	473.49	461.16	434.19	360.05	228.78	162.80	141.72	141.40	294.56	453.81	141.60	135.70	113.17
445.	494.05	473.49	456.28	435.81	354.57	222.47	155.20	139.42	142.75	293.32	454.52	123.51	121.80	113.56
450.	500.24	491.90	457.21	432.14	354.76	249.27	160.25	138.27	144.32	297.22	455.24	120.45	121.27	114.02
455.	492.86	493.81	451.63	431.67	354.52	240.22	160.80	138.57	144.85	291.83	454.52	123.44	133.95	115.12
460.	478.14	475.35	458.37	432.32	351.12	238.93	162.67	142.22	141.30	295.22	454.87	119.63	128.12	117.83
465.	477.91	475.81	463.95	440.46	341.83	234.58	162.38	141.57	147.72	293.74	453.64	120.85	136.07	120.46
470.	479.07	461.63	460.48	440.24	361.43	233.54	161.20	145.60	145.60	301.71	451.81	135.35	136.82	123.05

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	479.77	495.48	461.16	439.05	345.83	230.02	166.75	142.85	142.22	297.80	439.79	127.32	129.95	125.39
480.	500.00	469.53	451.86	432.86	353.24	231.68	168.70	144.47	141.50	294.12	439.37	127.30	133.30	127.46
485.	469.07	461.16	457.62	430.71	352.07	232.29	151.75	143.00	149.95	302.34	436.07	135.00	134.10	129.56
490.	463.25	459.07	456.43	433.57	359.33	231.19	162.05	142.75	147.17	297.51	435.00	134.47	149.13	134.50
495.	467.67	460.70	454.52	410.70	353.95	239.34	174.02	147.05	140.00	291.49	433.90	134.45	137.67	136.17
500.	462.32	451.63	436.74	406.74	353.14	235.54	160.42	142.52	143.05	287.76	431.00	130.65	135.13	137.73
505.	456.98	456.90	434.42	405.58	340.17	227.39	157.67	141.82	139.97	290.71	439.90	137.02	139.02	139.17
510.	456.98	460.48	430.70	403.26	341.14	236.15	161.22	142.40	137.70	292.10	436.62	135.05	124.80	140.60
515.	451.63	451.90	439.29	403.02	342.27	234.44	164.89	140.49	135.63	286.12	433.17	130.89	136.35	141.72
520.	454.76	438.14	436.90	405.71	343.00	226.92	160.15	138.30	140.47	292.51	429.64	133.85	130.80	142.90
525.	453.57	436.51	429.52	406.90	340.05	221.95	154.00	135.35	136.00	289.19	427.00	134.86	134.02	143.95
530.	456.19	453.33	433.81	398.57	323.95	220.35	158.17	139.15	138.00	282.44	425.52	126.71	134.35	144.80
535.	452.38	440.23	427.62	397.86	310.69	229.76	156.02	139.67	137.05	274.71	423.05	118.44	126.90	145.70
540.	452.38	440.48	420.95	386.19	317.05	233.19	164.00	139.63	134.05	281.61	409.86	110.66	121.83	146.47
545.	435.58	438.81	408.14	389.52	316.24	228.95	162.40	139.50	134.00	273.95	405.90	119.19	127.78	147.27
550.	439.30	435.12	409.07	391.67	306.15	225.80	154.77	137.38	134.65	272.93	404.26	124.02	129.17	147.97
555.	436.43	428.81	401.16	380.95	317.51	204.71	152.80	124.27	128.29	272.58	409.86	117.63	116.03	148.80
560.	435.71	431.43	405.71	369.30	312.38	222.25	153.42	133.27	124.66	273.71	407.43	112.00	112.12	149.92
565.	423.88	409.14	404.64	365.30	317.98	226.30	155.20	135.85	126.15	271.19	404.02	110.34	117.63	150.92
570.	427.76	410.56	400.05	371.63	310.58	226.40	155.07	136.25	129.98	267.90	399.90	122.56	127.05	151.72
575.	421.79	409.56	399.17	362.07	316.76	226.25	155.05	133.35	125.29	259.68	396.80	115.63	117.02	152.65
580.	409.07	405.26	397.71	362.58	314.71	219.85	154.30	133.92	123.88	260.93	394.21	113.37	116.49	153.32
585.	401.95	407.57	394.38	369.07	291.02	224.05	151.65	124.22	124.19	260.10	390.57	121.76	118.68	153.85
590.	405.07	407.59	390.59	360.59	295.00	203.66	154.75	129.22	120.19	255.68	387.50	116.56	114.44	154.35
595.	401.44	402.31	388.17	359.09	296.07	217.17	146.95	125.68	124.66	249.49	383.90	115.41	110.61	154.85
600.	407.09	399.52	381.07	355.31	291.90	208.56	146.02	121.37	121.19	248.34	370.74	117.66	113.78	155.32
605.	399.28	391.74	368.53	352.02	260.02	195.85	144.30	118.46	121.32	249.54	367.90	115.54	115.46	155.62
610.	387.45	382.21	363.09	340.43	262.05	200.95	150.67	118.27	119.68	247.39	364.37	114.66	114.56	155.95
615.	390.05	371.51	361.77	346.93	260.27	195.85	141.50	120.44	116.83	244.51	369.71	108.88	112.68	156.07
620.	386.95	386.81	366.24	342.07	279.37	205.76	138.32	119.58	113.44	245.61	367.14	107.71	108.85	156.38
625.	393.07	385.26	366.14	327.95	295.90	196.95	144.10	123.27	114.34	241.02	364.33	117.41	117.24	156.38
630.	368.77	367.95	353.17	328.26	275.71	203.95	139.05	120.56	112.12	243.29	360.40	104.34	107.63	156.50
635.	369.44	365.17	347.79	316.86	259.15	194.35	148.02	126.76	116.51	233.68	355.79	106.29	111.22	156.42
640.	363.07	366.33	344.95	323.33	239.88	194.22	141.47	123.12	121.02	229.22	351.95	100.78	119.76	156.42
645.	361.24	359.07	345.98	322.67	236.73	190.70	140.57	119.17	115.32	229.85	348.67	103.39	110.12	156.52
650.	360.09	355.43	343.57	315.48	247.00	200.60	140.30	115.02	115.85	229.24	345.12	108.15	108.05	156.60
655.	358.24	355.74	348.54	316.58	251.17	221.32	162.92	122.80	116.40	229.22	341.09	115.58	113.34	156.70
660.	352.33	345.52	320.52	292.40	276.90	220.02	161.90	138.88	120.51	221.75	345.15	113.46	117.71	156.72
665.	341.33	343.39	321.17	295.63	255.41	229.30	170.42	148.72	111.29	217.80	342.00	111.37	106.95	156.57
670.	348.51	346.51	317.62	291.02	266.39	226.65	173.05	139.45	117.63	219.10	330.05	110.15	116.61	156.25
675.	343.32	329.26	309.98	287.44	252.78	220.27	166.20	137.07	115.76	214.20	326.29	120.32	114.61	156.05
680.	329.86	326.69	313.73	281.17	247.76	229.58	178.37	129.56	108.07	205.56	322.67	110.15	105.22	156.05
685.	325.48	321.88	307.46	279.58	245.17	219.52	173.40	125.34	112.17	203.07	319.79	107.03	107.58	156.00
690.	323.59	321.36	306.71	273.19	236.00	217.45	164.00	126.51	112.37	206.32	316.55	113.68	112.90	156.02
695.	319.14	315.64	302.37	270.54	232.57	215.42	165.30	121.02	107.10	202.49	313.00	105.60	104.46	155.95
700.	315.31	317.61	296.07	266.98	229.56	200.66	162.22	117.05	108.95	201.05	311.14	109.51	110.19	155.85
705.	312.50	309.63	295.32	264.10	229.57	196.85	152.85	119.44	104.66	200.41	316.22	97.02	100.39	155.80
710.	314.27	306.34	289.44	257.85	226.00	195.90	154.72	118.58	100.68	199.77	313.39	105.27	109.73	155.65
715.	313.27	306.88	289.56	250.69	222.88	192.00	153.92	118.46	108.12	199.68	311.02	103.58	104.39	155.35
720.	312.49	303.17	282.61	252.76	217.27	190.38	149.32	118.61	100.63	197.77	308.73	100.19	95.19	155.15

PRC17-W-4-1/4

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	292.74	287.95	275.78	252.05	221.50	192.77	141.17	110.29	95.45	191.15	306.44	94.90	94.31	154.85
730.	291.80	281.39	267.51	250.49	224.80	185.67	130.02	113.88	96.17	189.50	304.07	97.40	96.59	154.42
735.	280.29	278.15	273.15	247.56	222.25	188.42	135.82	117.95	95.26	188.37	294.24	101.95	94.02	154.05
740.	285.39	278.90	257.76	249.10	219.02	180.87	125.63	112.07	93.95	184.67	291.93	100.24	95.02	153.57
745.	277.76	268.73	262.05	245.07	223.55	178.15	126.85	109.17	95.43	189.00	296.85	95.76	95.40	153.05
750.	277.80	265.80	252.63	241.56	204.58	173.15	124.80	106.93	94.50	185.17	294.58	90.21	91.74	152.63
755.	274.10	266.29	250.32	232.63	219.30	181.75	124.98	105.15	95.82	186.95	292.70	94.49	94.00	152.07
760.	271.32	262.46	250.68	236.58	204.32	178.00	121.10	103.34	100.61	184.20	290.49	96.24	96.17	151.50
765.	266.00	255.46	250.41	238.83	201.29	185.40	124.07	106.71	96.76	181.65	288.61	94.64	91.64	150.95
770.	267.73	254.00	249.58	235.12	198.49	168.13	120.02	106.15	93.79	179.30	286.78	93.21	94.48	150.42
775.	265.37	253.29	246.00	232.02	206.12	176.82	119.24	102.71	94.02	181.02	285.05	94.05	91.36	149.80
780.	263.32	252.56	244.32	228.37	207.39	161.40	119.61	102.61	91.19	173.70	283.32	87.98	86.19	149.07
785.	262.00	251.27	237.93	227.72	197.02	161.39	116.41	101.07	93.74	173.75	281.49	89.33	91.40	148.65
790.	260.95	249.05	234.56	229.40	199.98	163.87	118.19	97.50	86.52	175.72	280.02	84.67	84.49	147.92
795.	254.27	243.05	237.34	220.60	205.78	164.60	114.83	101.12	89.69	170.80	278.19	88.17	87.45	147.35
800.	251.37	239.95	232.90	221.75	200.32	164.95	116.32	96.43	92.90	168.40	276.56	87.49	91.71	146.67
805.	246.98	233.15	230.07	221.02	201.17	160.80	112.07	97.14	90.80	170.77	275.15	88.12	87.50	146.02
810.	243.49	235.24	228.56	222.42	193.65	162.15	112.29	97.57	86.83	167.35	273.73	88.30	88.03	145.35
815.	241.63	231.27	231.63	224.32	197.88	161.35	114.80	94.55	89.31	167.27	272.05	86.00	85.40	144.60
820.	244.02	228.37	230.13	220.65	203.13	160.82	114.49	91.69	89.00	166.90	270.56	84.33	82.93	143.88
825.	239.44	231.41	230.30	221.47	186.55	163.50	113.27	94.17	87.81	166.60	269.34	87.81	83.67	143.17
830.	241.39	232.93	230.93	218.45	188.63	155.25	109.27	93.90	91.05	164.55	268.00	81.45	86.57	142.42
835.	239.19	233.07	229.63	207.68	195.00	155.82	112.05	96.48	90.57	163.13	266.78	88.86	89.31	141.77
840.	237.37	231.88	227.60	214.85	185.77	153.72	110.05	96.86	89.45	161.57	265.22	83.24	86.36	141.00
845.	237.88	230.78	231.22	213.77	186.22	155.40	108.46	100.54	87.90	159.17	264.02	86.49	85.64	140.35
850.	236.41	232.75	227.20	214.72	183.40	149.25	107.63	94.86	89.05	159.45	262.66	83.80	86.24	139.75
855.	235.90	230.70	228.77	207.10	190.92	152.30	107.54	93.26	86.95	162.07	261.63	86.36	85.33	139.02
860.	232.54	230.82	223.95	203.85	186.32	140.67	107.27	90.90	87.21	158.17	260.44	85.24	84.21	138.30
865.	233.10	231.20	222.32	201.78	180.05	146.17	105.49	93.38	82.59	155.85	259.00	85.43	80.67	137.60
870.	232.07	227.57	227.15	204.39	181.40	147.89	104.66	92.55	84.00	156.60	257.76	84.67	83.17	136.95
875.	231.29	224.40	220.92	201.10	182.77	142.10	103.15	90.26	84.59	157.05	256.49	83.09	80.67	136.25
880.	230.25	222.05	223.70	199.71	182.92	145.35	101.19	92.02	84.17	155.20	255.71	81.98	83.09	135.52
885.	231.63	229.50	223.17	202.37	184.65	145.97	103.02	90.79	82.52	155.67	254.73	82.55	82.45	134.80
890.	233.00	224.13	220.05	201.71	173.97	144.00	105.00	90.76	82.88	152.15	253.58	82.30	82.36	134.13

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	22.90	22.72	19.39	14000.05	0.00	-0.02	-0.02	-0.10	0.00	0.00	0.00	0.00	21.00	0.39
0.	22.80	22.75	29.60	14038.82	0.00	-0.02	-0.02	0.30	0.00	0.00	0.00	0.00	20.96	-0.03
0.	22.90	22.70	40.08	14038.82	0.00	-0.02	-0.02	0.28	0.00	0.00	0.00	0.00	20.95	-0.49
0.	22.92	22.80	50.30	14038.82	0.00	-0.02	-0.02	0.26	0.00	0.00	0.00	0.00	20.96	0.07
0.	22.92	22.82	59.56	14000.05	0.00	-0.02	-0.02	0.07	0.00	0.00	0.00	0.00	20.95	-0.20
0.	23.00	22.82	69.79	13961.35	0.00	-0.02	-0.02	0.14	0.00	0.00	0.00	0.00	20.95	0.26
5.	24.47	24.20	10.13	14000.05	0.00	-0.01	0.01	0.29	0.00	0.00	0.00	0.01	20.56	2.17
10.	30.10	26.15	19.36	14038.82	0.01	-0.01	0.03	1.22	0.00	0.00	0.00	0.01	20.56	3.72
15.	31.49	29.34	29.59	14039.82	0.00	-0.00	0.03	0.62	0.00	0.00	0.00	0.01	20.41	2.71
20.	36.49	33.15	40.07	14038.82	0.01	-0.00	0.06	-0.25	0.00	0.00	0.00	0.02	20.17	1.96
25.	39.54	35.68	50.29	14038.82	0.01	0.00	0.11	-0.20	0.00	0.00	0.00	0.03	19.97	5.53
30.	46.76	42.44	59.55	13961.35	0.03	0.01	0.17	-0.54	0.00	0.00	0.00	0.03	19.00	4.25
35.	55.61	46.73	69.77	13961.35	0.05	0.03	0.20	-0.58	0.00	0.00	0.00	0.06	19.59	6.27
40.	52.51	50.12	10.12	13883.87	0.06	0.04	0.30	2.58	0.00	0.00	0.00	0.07	19.32	4.28
45.	59.24	55.58	19.36	13845.16	0.08	0.05	0.49	2.41	0.00	0.00	0.00	0.09	18.96	5.24
50.	71.34	64.05	29.58	13945.16	0.10	0.06	0.48	1.35	0.00	0.00	0.00	0.11	18.46	8.30
55.	76.02	69.73	40.07	13767.68	0.12	0.08	0.57	-0.59	0.00	0.00	0.00	0.15	17.97	4.95
60.	79.51	74.56	50.28	13728.98	0.15	0.09	0.69	-0.80	0.00	0.00	0.00	0.10	17.54	9.26
65.	106.34	87.05	59.55	13651.50	0.19	0.12	0.79	-0.90	0.00	0.00	0.00	0.22	17.00	10.34
70.	113.02	95.45	69.77	13574.02	0.27	0.15	0.92	-0.92	0.00	0.00	0.00	0.30	16.58	11.69
75.	142.15	111.32	10.12	13457.84	0.37	0.19	1.19	4.13	0.00	0.00	0.00	0.42	15.94	10.76
80.	159.72	126.85	19.36	13380.36	0.45	0.22	1.34	3.42	0.00	0.00	0.00	0.54	15.18	15.02
85.	185.82	148.12	29.58	13264.18	0.55	0.25	1.59	2.46	0.00	0.00	0.00	0.66	14.23	9.96
90.	159.62	151.95	40.06	13186.76	0.64	0.28	1.73	-0.55	0.00	0.00	0.00	0.78	13.10	11.47
95.	173.22	165.67	50.28	12993.10	0.72	0.32	2.14	-1.01	0.00	0.00	0.00	0.07	12.11	13.01
100.	227.02	198.55	59.54	12876.91	0.81	0.33	2.24	-1.17	0.00	0.00	0.00	0.96	11.00	14.74
105.	197.22	193.50	69.76	12760.73	0.85	0.34	2.40	-1.22	0.00	0.00	0.00	1.04	9.97	12.84
110.	256.98	225.00	10.12	12683.25	0.90	0.36	2.59	4.73	0.00	0.00	0.00	1.13	9.27	12.57
115.	264.54	235.34	19.36	12567.06	0.96	0.35	2.75	3.92	0.00	0.00	0.00	1.17	8.74	11.44
120.	276.66	250.56	29.58	12413.11	0.99	0.36	2.70	2.86	0.00	0.00	0.00	1.39	8.30	10.54
125.	229.29	236.90	40.06	12295.93	1.01	0.36	2.69	-0.85	0.00	0.00	0.00	1.31	7.74	11.60
130.	241.95	243.93	50.29	12179.74	1.03	0.37	2.97	-1.05	0.00	0.00	0.00	1.29	7.39	14.73
135.	251.05	258.90	59.55	12063.55	1.08	0.35	2.87	-1.38	0.00	0.00	0.00	1.34	7.18	9.34
140.	259.22	251.19	69.77	11947.37	1.13	0.36	3.04	-1.32	0.00	0.00	0.00	1.38	6.94	11.75
145.	295.54	264.15	10.12	11753.70	1.16	0.35	2.95	4.91	0.00	0.00	0.00	1.42	6.85	9.96
150.	250.66	257.83	19.37	11482.63	1.19	0.36	3.15	3.96	0.00	0.00	0.00	1.38	7.04	11.76
155.	265.27	258.46	29.59	11521.34	1.21	0.34	3.01	2.92	0.00	0.00	0.00	1.62	7.00	15.25
160.	265.19	263.19	40.06	11327.68	1.24	0.34	3.22	-0.73	0.00	0.00	0.00	1.46	6.04	12.13
165.	272.68	275.68	50.28	11211.49	1.26	0.34	3.10	-1.14	0.00	0.00	0.00	1.47	6.77	9.69
170.	309.68	293.66	59.54	11095.30	1.30	0.33	3.10	-1.24	0.00	0.00	0.00	1.50	6.70	14.58
175.	271.71	282.93	69.77	10940.41	1.31	0.33	3.19	-1.32	0.00	0.00	0.00	1.58	6.89	14.93
180.	267.39	272.00	10.12	10824.23	1.36	0.34	3.33	5.22	0.00	0.00	0.00	1.50	6.90	12.51
185.	292.88	288.19	19.36	10669.27	1.36	0.33	3.18	4.10	0.00	0.00	0.00	1.61	6.86	14.96
190.	276.41	275.90	29.58	10514.38	1.40	0.33	3.26	2.88	0.00	0.00	0.00	1.60	6.82	11.40
195.	310.90	311.39	40.07	10398.19	1.43	0.32	3.14	-0.77	0.00	0.00	0.00	1.63	7.03	13.34
200.	294.95	293.26	50.28	10243.24	1.46	0.32	3.25	-1.00	0.00	0.00	0.00	1.65	6.86	9.32
205.	288.44	297.12	59.53	10127.05	1.48	0.33	3.20	-1.18	0.00	0.00	0.00	1.67	6.93	12.82
210.	296.63	297.41	69.76	9933.39	1.51	0.33	3.37	-1.34	0.00	0.00	0.00	1.77	6.91	10.20
215.	304.00	295.98	10.12	9778.50	1.53	0.32	3.29	5.29	0.00	0.00	0.00	1.89	6.80	12.54
220.	302.07	297.37	19.36	9701.02	1.54	0.33	3.60	4.31	0.00	0.00	0.00	1.78	6.90	10.05

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	305.22	311.73	29.57	9507.36	1.56	0.31	3.27	2.95	0.00	0.00	0.00	1.80	6.73	13.10
230.	341.44	317.36	40.06	9391.18	1.58	0.32	3.25	-0.70	0.00	0.00	0.00	1.87	6.94	12.85
235.	317.48	313.14	50.28	9274.99	1.57	0.31	3.10	-1.07	0.00	0.00	0.00	1.79	7.24	13.69
240.	344.86	325.02	59.54	9120.10	1.59	0.31	3.43	-1.19	0.00	0.00	0.00	1.79	7.27	11.00
245.	325.57	319.59	69.77	8965.14	1.61	0.30	3.29	-1.13	0.00	0.00	0.00	1.77	7.33	14.10
250.	318.93	320.33	10.13	8848.95	1.64	0.31	3.45	5.19	0.00	0.00	0.00	1.78	7.28	15.60
255.	311.50	327.93	19.37	8771.54	1.64	0.30	3.23	4.34	0.00	0.00	0.00	1.81	7.36	12.78
260.	326.67	319.17	29.59	8616.59	1.67	0.30	3.29	2.90	0.00	0.00	0.00	1.80	7.36	12.85
265.	290.41	314.61	40.06	8500.40	1.69	0.29	3.33	-0.54	0.00	0.00	0.00	1.83	7.48	11.74
270.	314.95	330.05	50.28	8422.93	1.70	0.29	3.27	-0.98	0.00	0.00	0.00	1.81	7.72	12.63
275.	315.68	322.36	59.55	8306.74	1.71	0.29	3.20	-1.18	0.00	0.00	0.00	1.84	7.84	10.76
280.	324.98	327.43	69.77	8190.55	1.71	0.29	3.35	-1.14	0.00	0.00	0.00	1.84	7.88	12.85
285.	345.17	323.55	10.13	8113.07	1.74	0.29	3.30	5.43	0.00	0.00	0.00	1.83	7.97	9.10
290.	346.76	329.26	19.36	7958.18	1.75	0.29	3.38	4.41	0.00	0.00	0.00	1.84	7.93	11.98
295.	355.12	356.45	29.58	7842.00	1.76	0.29	3.37	2.79	0.00	0.00	0.00	1.87	7.96	10.15
300.	322.02	346.58	40.06	7725.81	1.76	0.29	3.42	-0.81	0.00	0.00	0.00	1.84	7.99	10.98
305.	320.26	325.76	50.29	7640.34	1.76	0.28	3.31	-1.06	0.00	0.00	0.00	1.84	8.17	13.42
310.	346.02	339.07	59.55	7532.15	1.78	0.27	3.35	-1.22	0.00	0.00	0.00	1.86	8.28	12.85
315.	343.37	347.68	69.77	7415.96	1.80	0.29	3.31	-1.24	0.00	0.00	0.00	1.85	8.12	12.66
320.	341.22	342.27	10.12	7338.48	1.78	0.28	3.32	5.47	0.00	0.00	0.00	1.83	8.13	10.19
325.	347.95	341.10	19.36	7222.30	1.80	0.28	3.28	4.50	0.00	0.00	0.00	1.82	8.33	11.75
330.	310.68	326.48	29.59	7106.11	1.82	0.27	3.35	3.12	0.00	0.00	0.00	1.88	8.42	15.13
335.	342.76	341.29	40.06	6989.93	1.83	0.27	3.36	-0.60	0.00	0.00	0.00	1.87	8.43	12.92
340.	316.12	342.46	50.28	6912.45	1.83	0.27	3.32	-1.13	0.00	0.00	0.00	1.86	8.57	13.30
345.	349.45	345.64	59.55	6796.27	1.84	0.27	3.41	-1.35	0.00	0.00	0.00	1.80	8.59	14.01
350.	363.93	360.52	69.76	6680.09	1.85	0.27	3.39	-1.20	0.00	0.00	0.00	1.90	8.56	13.09
355.	324.12	343.00	10.13	6602.61	1.85	0.27	3.33	5.50	0.00	0.00	0.00	1.83	8.74	13.58
360.	350.17	351.12	19.37	6525.19	1.86	0.26	3.25	4.47	0.00	0.00	0.00	1.84	8.92	11.74
365.	326.55	342.00	29.58	6409.01	1.88	0.27	3.41	2.75	0.00	0.00	0.00	1.89	8.82	12.41
370.	349.17	347.43	40.06	6292.82	1.89	0.26	3.37	-0.76	0.00	0.00	0.00	1.87	8.84	10.88
375.	349.02	344.19	50.29	6254.05	1.88	0.26	3.34	-1.12	0.00	0.00	0.00	1.88	8.88	12.13
380.	320.43	344.09	59.54	6137.86	1.88	0.26	3.33	-1.31	0.00	0.00	0.00	1.86	9.00	12.95
385.	340.50	353.43	69.76	6021.68	1.90	0.26	3.37	-1.27	0.00	0.00	0.00	1.80	9.06	11.41
390.	352.43	355.59	10.11	5944.20	1.89	0.26	3.29	5.47	0.00	0.00	0.00	1.83	9.04	10.51
395.	346.63	348.57	19.35	5789.31	1.90	0.26	3.30	4.47	0.00	0.00	0.00	1.86	9.29	12.34
400.	364.42	361.05	29.58	5711.84	1.91	0.26	3.40	2.84	0.00	0.00	0.00	1.92	9.25	10.34
405.	343.19	353.48	40.06	5595.65	1.93	0.26	3.42	-0.58	0.00	0.00	0.00	1.89	9.29	12.44
410.	393.43	369.90	50.27	5479.46	1.93	0.25	3.26	-1.14	0.00	0.00	0.00	1.95	9.37	11.16
415.	364.14	363.86	59.54	5440.76	1.93	0.25	3.29	-1.25	0.00	0.00	0.00	1.88	9.38	12.94
420.	368.42	356.88	69.76	5285.88	1.93	0.25	3.27	-1.16	0.00	0.00	0.00	1.89	9.28	13.09
425.	365.58	364.79	10.12	5247.09	1.91	0.25	3.25	5.05	0.00	0.00	0.00	1.87	9.49	11.35
430.	346.37	355.36	19.36	5169.61	1.94	0.25	3.27	4.59	0.00	0.00	0.00	1.86	9.49	14.07
435.	367.07	366.02	29.58	5014.73	1.93	0.24	3.32	2.98	0.00	0.00	0.00	1.87	9.44	12.02
440.	394.14	366.91	40.06	4975.95	1.94	0.24	3.29	-0.83	0.00	0.00	0.00	1.90	9.46	11.57
445.	348.38	365.62	50.27	4859.77	1.93	0.24	3.28	-1.11	0.00	0.00	0.00	1.84	9.58	10.47
450.	360.59	367.45	59.54	4782.30	1.92	0.24	3.19	-1.29	0.00	0.00	0.00	1.86	9.71	12.96
455.	349.00	350.07	69.76	4666.11	1.92	0.24	3.20	-1.24	0.00	0.00	0.00	1.78	9.86	11.44
460.	346.22	352.95	10.12	4511.21	1.94	0.23	3.22	5.33	0.00	0.00	0.00	1.77	9.86	14.13
465.	342.98	354.05	19.37	4511.21	1.91	0.23	3.16	4.52	0.00	0.00	0.00	1.83	9.85	10.95
470.	362.31	365.05	29.58	4395.03	1.90	0.23	3.13	3.00	0.00	0.00	0.00	1.75	10.19	10.18

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	325.14	342.05	40.06	4317.55	1.88	0.23	3.09	-0.87	0.00	0.00	0.00	1.72	10.26	10.40
480.	358.74	362.64	50.29	4201.36	1.85	0.22	3.08	-1.07	0.00	0.00	0.00	1.71	10.34	11.69
485.	346.81	356.88	59.55	4123.89	1.84	0.22	3.12	-1.30	0.00	0.00	0.00	1.67	10.37	12.00
490.	365.48	363.81	69.77	4046.48	1.82	0.21	2.98	-1.29	0.00	0.00	0.00	1.65	10.75	11.25
495.	345.26	349.00	10.13	3968.64	1.78	0.21	2.92	5.25	0.00	0.00	0.00	1.63	10.74	13.09
500.	347.79	347.90	19.37	3941.29	1.75	0.21	2.83	4.29	0.00	0.00	0.00	1.60	10.99	15.40
505.	344.86	349.31	29.59	3886.53	1.75	0.20	2.92	2.83	0.00	0.00	0.00	1.59	11.00	12.42
510.	347.39	341.93	40.07	3831.78	1.70	0.20	2.79	-0.79	0.00	0.00	0.00	1.55	11.35	10.25
515.	330.48	340.58	50.29	3804.43	1.68	0.20	2.64	-1.05	0.00	0.00	0.00	1.50	11.60	10.39
520.	354.00	347.90	59.56	3777.03	1.66	0.19	2.67	-1.30	0.00	0.00	0.00	1.53	11.01	11.87
525.	311.31	326.83	69.77	3722.32	1.63	0.19	2.66	-1.28	0.00	0.00	0.00	1.43	12.03	11.52
530.	324.14	325.36	10.13	3694.92	1.59	0.18	2.41	5.09	0.00	0.00	0.00	1.42	12.16	10.89
535.	308.58	311.55	19.37	3640.21	1.57	0.18	2.48	4.22	0.00	0.00	0.00	1.37	12.34	12.47
540.	304.07	314.76	29.58	3585.45	1.55	0.18	2.40	2.57	0.00	0.00	0.00	1.35	12.62	11.56
545.	312.88	311.61	40.07	3530.71	1.52	0.17	2.32	-0.66	0.00	0.00	0.00	1.33	12.00	10.97
550.	313.32	306.34	50.29	3440.60	1.49	0.17	2.22	-1.09	0.00	0.00	0.00	1.29	13.01	11.49
555.	314.90	312.45	59.55	3311.75	1.47	0.17	2.21	-1.34	0.00	0.00	0.00	1.25	13.19	9.63
560.	314.29	316.15	69.77	3284.39	1.47	0.16	2.15	-1.27	0.00	0.00	0.00	1.22	13.37	10.44
565.	317.85	308.12	10.13	3257.04	1.41	0.16	0.12	4.92	0.00	0.00	0.00	1.21	13.49	10.15
570.	304.34	302.51	19.37	3147.53	1.38	0.16	2.14	3.91	0.00	0.00	0.00	1.19	13.66	10.80
575.	307.05	296.49	29.59	3147.53	1.37	0.15	2.12	2.49	0.00	0.00	0.00	1.16	13.82	11.12
580.	292.36	294.98	40.07	3092.78	1.36	0.15	1.91	-0.85	0.00	0.00	0.00	1.12	13.93	10.40
585.	286.10	296.27	50.29	3010.67	1.32	0.15	1.97	-1.13	0.00	0.00	0.00	1.10	14.02	12.16
590.	289.37	282.93	59.56	2928.57	1.31	0.15	1.97	-1.28	0.00	0.00	0.00	1.11	14.20	11.19
595.	292.12	285.00	69.77	2901.21	1.29	0.14	1.87	-1.20	0.00	0.00	0.00	1.05	14.40	9.82
600.	277.19	285.90	10.13	2846.46	1.25	0.14	1.83	4.75	0.00	0.00	0.00	1.03	14.48	9.19
605.	267.63	265.00	19.37	2791.71	1.22	0.14	1.78	3.94	0.00	0.00	0.00	0.99	14.61	9.76
610.	267.29	271.24	29.59	2791.71	1.20	0.13	1.75	2.54	0.00	0.00	0.00	0.97	14.73	10.36
615.	265.63	269.27	40.07	2764.35	1.19	0.13	1.73	-0.83	0.00	0.00	0.00	0.95	14.85	10.30
620.	276.19	271.29	50.29	2709.60	1.16	0.13	1.71	-1.17	0.00	0.00	0.00	0.94	15.00	8.72
625.	269.27	272.34	59.55	2654.89	1.13	0.13	1.62	-1.25	0.00	0.00	0.00	0.92	15.20	8.34
630.	271.07	271.44	69.77	2545.39	1.09	0.13	1.55	-1.31	0.00	0.00	0.00	0.94	15.29	10.41
635.	256.05	258.10	10.13	2490.64	1.08	0.12	1.53	4.42	0.00	0.00	0.00	0.89	15.37	7.39
640.	230.12	247.90	19.37	2463.28	1.05	0.12	1.54	3.67	0.00	0.00	0.00	0.85	15.43	9.59
645.	242.10	244.85	29.59	2435.93	1.03	0.12	1.45	2.32	0.00	0.00	0.00	0.83	15.63	8.94
650.	238.93	254.98	40.07	2080.10	0.92	0.12	1.41	-0.63	0.00	0.00	0.00	0.84	15.75	8.38
655.	233.49	248.71	50.29	2025.35	0.89	0.12	1.45	-1.03	0.00	0.00	0.00	0.70	15.03	8.55
660.	236.85	264.27	59.55	2025.35	0.88	0.11	1.33	-1.23	0.00	0.00	0.00	0.75	15.97	8.33
665.	233.85	254.73	69.77	2052.75	0.86	0.11	1.32	-1.23	0.00	0.00	0.00	0.72	16.04	9.67
670.	248.51	256.44	10.12	1888.54	0.05	0.11	1.29	4.20	0.00	0.00	0.00	0.69	16.17	7.86
675.	233.61	251.73	19.37	1888.54	0.04	0.11	1.20	3.42	0.00	0.00	0.00	0.68	16.21	8.85
680.	239.05	253.68	29.59	1833.78	0.82	0.11	1.19	2.04	0.00	0.00	0.00	0.66	16.27	8.95
685.	226.70	239.17	40.07	1833.78	0.81	0.10	1.13	-0.61	0.00	0.00	0.00	0.65	16.34	10.25
690.	219.40	235.85	50.28	1806.39	0.79	0.10	1.17	-1.08	0.00	0.00	0.00	0.65	16.47	7.23
695.	219.38	240.76	59.55	1806.39	0.78	0.10	1.12	-1.30	0.00	0.00	0.00	0.61	16.52	7.08
700.	220.60	230.19	69.77	1806.39	0.75	0.10	1.07	-1.16	0.00	0.00	0.00	0.61	16.57	8.29
705.	221.13	232.41	10.13	1779.03	0.74	0.10	1.05	4.08	0.00	0.00	0.00	0.60	16.63	7.81
710.	214.85	224.27	19.37	1806.39	0.74	0.09	1.05	3.19	0.00	0.00	0.00	0.58	16.67	7.13
715.	203.02	214.40	29.58	1751.69	0.72	0.09	1.03	1.79	0.00	0.00	0.00	0.57	16.70	7.81
720.	203.15	220.40	40.07	1532.71	0.63	0.10	0.97	-0.66	0.00	0.00	0.00	0.55	16.74	8.37

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	208.22	226.70	50.29	1560.07	0.63	0.10	0.91	-1.06	0.00	0.00	0.00	0.56	16.77	7.25
730.	215.38	225.20	59.56	1560.07	0.61	0.09	0.86	-1.25	0.00	0.00	0.00	0.53	16.79	7.52
735.	202.95	216.25	69.77	1532.71	0.60	0.09	0.83	-1.23	0.00	0.00	0.00	0.53	16.87	7.96
740.	215.05	232.85	10.13	1532.71	0.58	0.09	0.80	3.72	0.00	0.00	0.00	0.51	16.91	6.66
745.	202.63	225.70	19.37	1505.36	0.57	0.09	0.74	2.99	0.00	0.00	0.00	0.51	16.91	7.11
750.	198.10	215.00	29.59	1532.71	0.57	0.09	0.75	1.42	0.00	0.00	0.00	0.50	17.05	7.29
755.	200.35	215.27	40.07	1505.36	0.58	0.09	0.72	-0.69	0.00	0.00	0.00	0.49	17.16	7.47
760.	201.24	225.90	50.29	1477.96	0.55	0.09	0.72	-0.98	0.00	0.00	0.00	0.49	17.22	6.68
765.	190.87	203.44	59.54	1477.96	0.55	0.09	0.73	-1.13	0.00	0.00	0.00	0.48	17.30	7.27
770.	194.35	206.00	69.77	1450.61	0.54	0.09	0.70	-1.18	0.00	0.00	0.00	0.46	17.32	8.35
775.	189.00	200.05	10.12	1450.61	0.52	0.09	0.67	3.48	0.00	0.00	0.00	0.46	17.32	6.83
780.	196.45	198.76	19.36	1395.85	0.52	0.09	0.70	2.91	0.00	0.00	0.00	0.45	17.32	7.45
785.	182.52	200.45	29.58	1395.85	0.51	0.08	0.71	1.37	0.00	0.00	0.00	0.44	17.32	7.20
790.	185.38	196.82	40.06	1368.50	0.51	0.08	0.67	-0.68	0.00	0.00	0.00	0.44	17.37	6.79
795.	182.75	191.00	50.30	1341.10	0.50	0.08	0.66	-1.01	0.00	0.00	0.00	0.44	17.47	6.92
800.	189.80	197.10	59.55	1341.10	0.49	0.08	0.67	-1.18	0.00	0.00	0.00	0.43	17.51	6.54
805.	186.35	200.90	69.77	1313.75	0.48	0.08	0.67	-1.16	0.00	0.00	0.00	0.42	17.50	5.86
810.	179.15	191.22	10.12	1461.55	0.49	0.08	0.64	3.36	0.00	0.00	0.00	0.42	17.45	6.43
815.	179.30	192.12	19.36	1341.10	0.49	0.08	0.66	2.71	0.00	0.00	0.00	0.42	17.44	6.05
820.	188.85	191.90	29.58	1341.10	0.49	0.08	0.63	0.76	0.00	0.00	0.00	0.42	17.54	5.87
825.	182.27	197.45	40.07	1313.75	0.46	0.08	0.64	-0.66	0.00	0.00	0.00	0.40	17.54	6.86
830.	181.77	200.80	50.29	1313.75	0.47	0.08	0.59	-1.04	0.00	0.00	0.00	0.40	17.67	6.17
835.	177.75	188.57	59.54	1313.75	0.46	0.08	0.60	-1.13	0.00	0.00	0.00	0.40	17.63	5.94
840.	177.42	200.20	69.76	1313.75	0.46	0.08	0.62	-1.11	0.00	0.00	0.00	0.39	17.70	6.41
845.	173.35	192.55	10.12	1341.10	0.46	0.08	0.62	3.24	0.00	0.00	0.00	0.39	17.74	5.69
850.	177.07	190.65	19.37	1313.75	0.44	0.08	0.62	2.63	0.00	0.00	0.00	0.39	17.75	6.17
855.	174.50	191.52	29.59	1286.39	0.44	0.08	0.59	1.15	0.00	0.00	0.00	0.40	17.77	7.11
860.	179.75	185.72	40.07	1259.00	0.43	0.08	0.58	-0.59	0.00	0.00	0.00	0.39	17.75	6.56
865.	171.20	187.88	50.28	1259.00	0.45	0.08	0.59	-0.92	0.00	0.00	0.00	0.37	17.75	5.95
870.	170.42	186.92	59.55	1286.39	0.44	0.08	0.59	-1.10	0.00	0.00	0.00	0.37	17.72	6.19
875.	169.65	188.13	69.77	1313.75	0.44	0.08	0.59	-1.19	0.00	0.00	0.00	0.37	17.81	5.82
880.	172.40	180.80	10.13	1286.39	0.42	0.08	0.59	3.20	0.00	0.00	0.00	0.36	17.75	5.72
885.	171.27	180.52	19.36	1231.64	0.43	0.08	0.57	2.57	0.00	0.00	0.00	0.36	17.77	6.28
890.	162.25	183.32	29.59	1231.64	0.42	0.08	0.57	1.13	0.00	0.00	0.00	0.35	17.77	5.62

PRC17-W-4-1/4

TIME	42	43	44	45	46	47	48
0.	-0.10	-0.34	-0.09	0.34	-0.28	0.00	0.00
0.	-0.14	0.04	-0.28	0.28	-0.31	0.00	0.00
0.	-0.25	0.52	-0.00	-0.28	0.27	0.00	0.00
0.	0.02	0.16	-0.03	0.01	0.29	0.00	0.00
0.	0.50	-0.48	0.39	-0.18	-0.18	0.00	0.00
0.	-0.03	0.11	0.02	-0.18	0.20	0.00	0.00
5.	-0.05	0.89	-1.09	1.31	-1.54	0.00	5.00
10.	0.13	0.67	-0.19	0.05	-0.12	0.00	10.00
15.	0.53	1.76	-0.88	-0.56	-1.48	0.01	15.00
20.	1.76	1.31	-0.54	0.87	-0.31	0.04	20.00
25.	-0.67	3.13	-0.25	-0.10	-1.05	0.07	25.00
30.	1.59	1.21	-1.64	-1.21	-1.34	0.13	30.00
35.	4.28	1.41	-1.04	0.48	-1.69	0.21	35.00
40.	4.86	0.58	-0.73	0.59	-0.03	0.38	40.00
45.	6.82	0.56	0.22	-0.94	-2.37	0.68	45.00
50.	3.75	0.47	0.74	-0.31	1.03	1.20	50.00
55.	4.72	2.28	-2.24	-1.68	-1.83	1.55	55.00
60.	4.98	1.01	0.62	0.66	-1.49	2.04	60.00
65.	6.15	1.70	0.16	-0.04	-2.22	2.48	65.00
70.	4.26	3.47	0.65	-1.03	-0.25	3.04	70.00
75.	5.31	3.57	0.80	-1.65	-0.15	3.80	75.00
80.	6.79	1.99	-0.26	-0.99	-1.26	4.75	80.00
85.	9.45	0.90	-1.50	0.00	-3.32	5.98	85.00
90.	6.71	4.16	2.23	-1.33	-2.60	7.35	90.00
95.	2.81	3.59	-0.04	-2.54	0.52	8.43	95.00
100.	4.62	2.37	0.94	-1.75	-0.63	9.47	100.00
105.	5.85	4.46	-1.35	1.07	-2.44	10.90	105.00
110.	7.28	3.32	1.83	-2.84	-1.19	11.51	110.00
115.	6.26	4.11	1.41	-2.17	-1.97	12.11	115.00
120.	6.70	5.03	-2.11	-0.92	-1.97	12.34	120.00
125.	7.21	2.43	2.06	-1.71	-2.00	13.25	125.00
130.	7.76	1.58	0.11	-1.23	-1.48	13.49	130.00
135.	8.44	2.89	0.22	-0.97	-3.04	13.52	135.00
140.	6.53	4.86	-1.04	-1.05	-1.76	13.79	140.00
145.	7.99	3.58	-0.01	-3.95	-3.24	13.90	145.00
150.	8.59	1.63	-1.21	-1.05	-3.51	13.47	150.00
155.	6.91	3.16	1.37	-0.85	-2.97	13.69	155.00
160.	7.76	3.47	0.93	-0.68	-2.84	14.09	160.00
165.	9.63	2.04	-1.02	-1.16	-4.70	13.90	165.00
170.	6.55	4.35	-0.26	-1.85	-3.30	13.70	170.00
175.	9.72	0.32	1.80	-0.99	-1.44	13.71	175.00
180.	6.27	5.28	-0.30	-1.54	-3.55	13.78	180.00
185.	8.06	2.11	0.54	-2.64	-1.32	13.91	185.00
190.	11.30	1.49	-0.75	-2.18	-3.45	13.80	190.00
195.	6.00	5.64	-1.24	-0.73	-2.86	13.45	195.00
200.	9.78	0.83	3.03	-3.00	-1.54	13.75	200.00
205.	7.59	3.64	-0.35	-0.28	-5.51	13.48	205.00
210.	9.01	4.07	0.17	-0.74	-1.87	13.68	210.00
215.	6.23	3.10	1.19	-0.52	-1.09	13.74	215.00
220.	11.20	2.00	0.15	-0.59	-3.84	13.59	220.00

PRC17-W-4-1/4

TIME	42	43	44	45	46	47	48
225.	7.52	3.37	-0.45	-0.82	-2.58	13.86	225.00
230.	8.74	2.41	2.67	-2.15	-2.61	13.42	230.00
235.	9.71	1.80	-0.75	-0.83	-1.57	13.17	235.00
240.	7.74	4.41	0.08	-1.78	-0.52	13.26	240.00
245.	8.65	2.72	0.86	-0.71	-2.41	13.14	245.00
250.	8.67	3.88	0.60	-1.61	-1.54	13.22	250.00
255.	8.56	5.99	-3.06	-0.25	-3.26	13.10	255.00
260.	10.41	3.06	1.18	-1.22	-3.97	13.17	260.00
265.	9.48	2.18	1.00	-2.30	-1.12	12.98	265.00
270.	8.59	4.06	-1.04	-0.57	-2.50	12.48	270.00
275.	8.37	3.57	1.53	-3.17	-1.02	12.61	275.00
280.	7.67	3.71	1.82	-1.07	-2.97	12.66	280.00
285.	11.27	3.83	0.91	-2.09	-2.81	12.50	285.00
290.	8.78	4.70	0.16	-2.23	-1.41	12.55	290.00
295.	8.58	5.10	0.74	-1.91	-1.94	12.63	295.00
300.	7.74	5.62	0.39	-2.32	-1.67	12.59	300.00
305.	5.93	2.98	0.89	-0.87	-1.50	12.19	305.00
310.	10.19	2.96	0.14	-2.05	-3.00	12.30	310.00
315.	7.31	4.85	1.08	-2.13	-1.54	12.36	315.00
320.	10.07	2.97	-0.74	-1.53	-3.38	12.29	320.00
325.	9.37	3.57	-0.98	-1.49	-4.42	12.12	325.00
330.	9.13	3.15	0.57	-1.95	-2.71	12.06	330.00
335.	8.54	3.73	-0.56	-0.78	-2.96	12.00	335.00
340.	8.65	2.91	1.10	-2.11	-1.49	11.93	340.00
345.	7.95	5.59	-0.67	-0.53	-2.57	11.80	345.00
350.	8.54	1.98	2.64	-1.60	-4.31	11.91	350.00
355.	8.60	3.07	0.09	-0.22	-4.18	11.70	355.00
360.	7.79	4.25	-0.50	-2.74	-1.58	11.49	360.00
365.	6.66	3.38	2.41	-1.86	-2.35	11.75	365.00
370.	8.10	3.22	0.77	-3.00	-1.93	11.71	370.00
375.	9.41	4.52	0.46	-0.79	-4.09	11.61	375.00
380.	8.18	3.59	-0.14	-1.08	-5.47	11.33	380.00
385.	7.24	3.62	-0.04	-0.89	-5.64	11.39	385.00
390.	9.18	4.82	-1.47	-0.14	-3.16	11.49	390.00
395.	8.83	3.04	1.29	-1.55	-3.15	11.10	395.00
400.	9.43	3.99	0.71	-3.31	-3.22	11.17	400.00
405.	7.49	4.84	0.27	-0.91	-4.15	11.08	405.00
410.	8.01	4.84	1.20	-2.95	-0.41	10.92	410.00
415.	7.75	4.67	0.96	-1.78	-2.90	11.12	415.00
420.	8.37	4.08	1.01	-1.59	-0.89	11.16	420.00
425.	8.69	4.74	0.41	-2.33	-2.09	10.70	425.00
430.	5.82	5.83	0.65	-1.18	-2.96	10.72	430.00
435.	8.24	2.73	0.39	-0.62	-3.42	10.95	435.00
440.	6.83	4.09	0.97	-1.71	-2.50	10.83	440.00
445.	10.02	3.12	0.91	-1.11	-5.02	10.69	445.00
450.	8.27	3.71	-0.05	-1.83	-1.80	10.38	450.00
455.	7.02	5.31	-0.88	-0.69	-2.79	10.44	455.00
460.	6.67	4.44	-1.33	-0.18	-3.24	10.29	460.00
465.	7.91	4.25	0.33	-1.93	-3.64	10.30	465.00
470.	10.24	1.27	1.37	-1.74	-3.77	9.68	470.00

PRC17-W-4-1/4

TIME	42	43	44	45	46	47	48
475.	7.61	4.53	-0.37	-1.95	-1.84	9.83	475.00
480.	8.43	3.77	0.84	-1.10	-2.08	9.74	480.00
485.	6.78	3.63	-0.55	-0.89	-3.18	9.69	485.00
490.	7.29	2.87	0.98	-2.08	-2.95	9.11	490.00
495.	7.43	3.50	0.12	-0.70	-4.13	9.06	495.00
500.	8.50	4.23	0.50	-1.89	-2.08	8.84	500.00
505.	7.83	3.34	-0.09	-1.14	-3.51	8.79	505.00
510.	8.65	4.36	-0.65	-1.13	-5.85	8.41	510.00
515.	8.20	3.58	-0.49	-0.41	-4.12	8.12	515.00
520.	8.85	2.74	0.68	-1.15	-2.47	8.01	520.00
525.	7.41	3.41	0.02	-0.73	-3.29	7.78	525.00
530.	8.48	3.01	-0.54	-0.94	-5.02	7.62	530.00
535.	7.16	2.83	1.11	-2.16	-2.97	7.45	535.00
540.	7.62	3.13	0.75	-2.14	-3.03	7.12	540.00
545.	7.68	3.31	0.05	-1.62	-1.94	6.92	545.00
550.	7.07	3.25	0.61	-1.73	-3.19	6.63	550.00
555.	6.66	3.21	0.36	-1.83	-3.42	6.46	555.00
560.	7.61	3.14	0.02	-1.67	-3.18	6.28	560.00
565.	7.91	3.68	0.15	-1.35	-4.37	6.17	565.00
570.	7.07	3.77	-0.65	-2.15	-2.34	5.98	570.00
575.	6.09	4.43	-0.26	-2.40	-1.95	5.77	575.00
580.	7.02	4.08	-0.24	-1.72	-2.95	5.62	580.00
585.	6.39	4.07	0.09	-2.52	-0.97	5.56	585.00
590.	6.04	4.04	-0.20	-1.52	-2.64	5.29	590.00
595.	7.68	4.30	-1.63	-0.49	-3.38	5.05	595.00
600.	8.35	2.30	1.04	-2.31	-2.60	5.04	600.00
605.	7.70	2.75	0.70	-2.25	-2.44	4.87	605.00
610.	6.51	3.37	0.80	-1.48	-2.70	4.73	610.00
615.	7.34	3.09	0.12	-1.96	-2.19	4.57	615.00
620.	8.14	2.75	-0.42	-2.14	-3.25	4.40	620.00
625.	7.47	2.71	0.21	-1.92	-2.99	4.15	625.00
630.	5.24	4.20	-0.80	-1.28	-3.73	4.04	630.00
635.	7.08	3.14	0.38	-1.49	-3.38	3.98	635.00
640.	7.10	2.01	0.05	-1.33	-3.76	3.88	640.00
645.	6.77	3.82	-0.44	-1.73	-2.06	3.61	645.00
650.	7.03	2.27	0.14	-1.23	-3.79	3.53	650.00
655.	5.59	3.73	-0.65	-0.95	-3.55	3.49	655.00
660.	6.60	2.94	-0.50	-1.33	-3.86	3.30	660.00
665.	6.21	2.77	0.01	-0.66	-2.95	3.23	665.00
670.	7.01	1.64	0.86	-1.19	-3.24	3.07	670.00
675.	5.88	3.38	-0.81	-1.10	-3.41	3.04	675.00
680.	5.89	2.71	-0.12	-1.08	-3.25	3.02	680.00
685.	5.52	3.19	-0.43	-0.99	-3.19	2.91	685.00
690.	6.20	2.34	0.32	-1.06	-3.63	2.77	690.00
695.	7.14	1.58	0.25	-2.42	-2.96	2.71	695.00
700.	6.20	1.67	0.45	-2.17	-2.69	2.70	700.00
705.	5.24	3.03	0.00	-1.71	-2.66	2.56	705.00
710.	6.96	1.62	-0.52	-1.43	-3.12	2.59	710.00
715.	5.40	3.04	0.19	-1.73	-2.74	2.55	715.00
720.	5.71	2.38	-0.41	-0.37	-3.15	2.49	720.00

PRC17-W-4-1/4

TIME	42	43	44	45	46	47	48
725.	5.47	2.59	-0.21	-1.03	-2.58	2.47	725.00
730.	5.51	2.61	-0.22	-1.09	-3.00	2.44	730.00
735.	4.95	2.92	-0.69	-0.51	-2.34	2.33	735.00
740.	5.66	2.77	-0.44	-1.15	-2.95	2.18	740.00
745.	5.43	2.07	0.08	-1.45	-2.95	2.18	745.00
750.	5.25	2.35	0.13	-2.15	-2.06	1.99	750.00
755.	5.10	1.90	-0.15	-0.57	-3.00	1.94	755.00
760.	4.66	2.49	0.10	-1.49	-3.28	1.86	760.00
765.	4.97	2.95	-0.32	-0.99	-2.84	1.83	765.00
770.	3.77	2.86	0.43	-1.46	-2.15	1.76	770.00
775.	4.45	2.26	-0.03	-2.37	-1.79	1.75	775.00
780.	5.35	2.14	-0.22	-0.71	-3.15	1.76	780.00
785.	4.84	1.98	0.31	-1.46	-2.79	1.75	785.00
790.	4.04	2.40	0.40	-1.60	-2.70	1.67	790.00
795.	4.11	1.86	0.09	-0.83	-3.42	1.63	795.00
800.	5.27	1.04	0.51	-1.46	-1.92	1.56	800.00
805.	5.76	1.46	-0.04	-1.41	-2.48	1.56	805.00
810.	4.88	1.73	0.43	-1.53	-2.00	1.55	810.00
815.	4.96	1.89	0.52	-2.14	-1.54	1.58	815.00
820.	5.47	1.76	0.07	-1.21	-2.52	1.43	820.00
825.	4.12	2.42	-0.35	-1.07	-2.28	1.41	825.00
830.	4.65	1.66	0.21	-1.54	-2.67	1.31	830.00
835.	5.05	2.62	-0.82	-1.14	-2.77	1.36	835.00
840.	4.20	1.85	0.60	-1.84	-2.44	1.27	840.00
845.	5.19	1.62	-0.03	-1.11	-3.03	1.24	845.00
850.	5.02	1.32	0.49	-1.30	-3.25	1.26	850.00
855.	4.08	2.43	-0.20	-1.53	-2.13	1.23	855.00
860.	4.74	1.53	0.04	-1.10	-2.60	1.27	860.00
865.	4.82	1.08	0.66	-1.42	-2.73	1.28	865.00
870.	5.22	1.76	0.14	-0.89	-3.00	1.24	870.00
875.	4.50	1.92	0.39	-1.71	-1.89	1.20	875.00
880.	4.54	1.74	-0.04	-1.71	-2.31	1.20	880.00
885.	4.26	1.88	0.21	-0.99	-2.19	1.23	885.00
890.	4.60	2.32	-0.52	-1.35	-1.93	1.20	890.00

PRL19-W-4-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	23.65	13.20	23.40	22.47	22.38	22.27	22.47	24.27	24.32	24.25	24.27	24.00	23.77	23.77
0.	23.75	20.25	23.52	22.47	22.55	22.35	22.42	24.32	24.35	24.27	24.27	23.95	23.80	23.75
0.	23.63	154.90	23.57	22.52	22.65	22.40	22.47	24.27	24.35	24.27	24.32	24.00	23.85	23.75
0.	23.65	127.93	23.57	22.55	22.65	22.45	22.52	24.30	24.38	24.38	24.32	24.00	23.82	23.77
0.	23.65	129.80	23.65	22.52	22.57	22.35	22.42	24.27	24.32	24.35	24.35	23.97	23.85	23.75
0.	23.75	17.75	23.55	22.50	22.55	22.32	22.35	24.27	24.32	24.22	24.30	23.95	23.90	23.75
5.	27.72	-60.64	23.52	23.27	22.72	22.63	22.67	27.17	29.73	28.97	28.67	27.60	26.82	25.32
10.	34.49	51.02	23.63	23.07	22.80	22.57	22.55	29.13	39.27	36.00	35.22	35.61	34.71	33.27
15.	37.76	49.19	33.41	22.92	22.63	22.40	22.27	29.44	46.00	39.76	40.00	39.76	38.90	37.27
20.	48.17	65.81	34.66	23.25	22.52	22.57	22.30	31.24	48.17	42.15	41.83	43.54	42.93	42.19
25.	51.95	58.69	40.07	23.80	22.60	22.63	22.32	32.54	56.85	49.46	49.66	50.03	49.49	48.27
30.	62.69	78.05	45.10	23.40	22.50	22.67	22.30	34.10	62.67	53.68	54.63	55.73	54.39	53.61
35.	67.86	79.88	57.58	22.95	22.85	22.55	22.35	37.78	69.80	57.98	59.00	62.36	61.33	60.69
40.	80.69	84.09	61.07	22.82	22.60	22.55	22.52	41.02	82.43	65.71	67.21	71.49	71.78	71.39
45.	96.83	81.26	71.80	22.85	22.70	22.67	22.65	46.95	88.59	83.83	82.64	84.50	81.93	80.14
50.	120.05	109.39	83.21	35.78	22.57	22.80	22.67	54.41	115.00	105.54	104.68	100.07	97.45	92.63
55.	156.82	144.20	101.15	34.49	22.72	22.85	22.77	59.86	138.85	126.58	128.44	136.00	134.70	137.97
60.	199.40	183.50	141.02	28.17	22.75	22.67	22.70	74.27	182.15	162.27	163.47	167.90	168.00	164.40
65.	231.85	219.27	168.45	26.35	22.77	22.65	22.65	85.43	232.10	201.73	202.32	202.61	201.98	196.55
70.	282.41	239.07	192.00	38.85	22.72	22.75	22.70	105.88	277.29	254.76	255.07	266.90	250.71	243.19
75.	291.69	262.56	246.29	29.62	22.82	22.65	22.70	133.30	315.90	310.10	307.37	316.05	303.17	304.29
80.	344.38	306.34	274.54	30.37	22.92	22.70	22.60	165.67	365.95	341.32	339.90	348.12	340.73	324.81
85.	362.72	338.95	290.85	31.98	23.10	22.65	22.65	188.42	397.26	361.48	361.33	361.04	363.33	357.74
90.	387.14	347.24	312.49	29.15	22.82	22.88	22.77	216.37	440.02	371.32	369.79	385.64	370.39	366.95
95.	389.05	359.88	327.79	53.76	23.05	22.88	22.72	232.10	452.09	402.86	399.05	405.48	401.43	390.95
100.	392.38	364.59	321.12	40.37	23.02	22.85	22.97	259.37	455.40	422.86	424.76	427.86	407.44	403.57
105.	391.67	365.42	318.59	42.63	22.95	22.95	22.80	279.51	471.80	423.57	408.37	421.90	410.23	401.16
110.	402.56	366.26	321.67	32.63	23.15	23.25	23.32	293.41	470.23	428.33	425.95	428.33	423.57	408.84
115.	408.57	380.95	355.57	42.05	23.40	23.27	23.05	312.66	500.40	430.93	428.09	431.90	432.86	433.09
120.	437.14	386.90	357.64	75.68	23.15	23.07	22.92	311.26	457.44	439.77	432.79	430.05	406.51	410.24
125.	403.26	385.24	363.83	127.02	23.63	23.45	23.45	319.31	499.52	440.24	435.24	432.86	425.95	403.72
130.	404.05	390.00	367.14	84.21	23.57	23.27	23.22	330.00	473.02	434.42	430.93	452.62	437.44	438.14
135.	429.52	394.76	347.22	54.32	23.47	23.20	23.07	346.93	465.35	435.81	435.81	452.14	432.56	440.40
140.	423.09	395.95	361.93	57.56	23.67	23.52	23.50	344.09	491.16	450.46	456.19	451.63	455.95	436.51
145.	428.33	384.52	345.12	43.58	23.72	23.40	23.27	358.36	495.35	459.76	458.57	453.95	453.81	438.84
150.	426.67	396.43	365.19	34.22	23.47	23.37	23.25	368.98	519.20	463.95	456.05	460.09	453.49	439.53
155.	436.67	403.02	369.07	64.88	23.52	23.40	23.22	366.42	492.32	458.60	457.67	461.63	454.89	451.67
160.	437.86	406.43	362.32	45.17	23.75	23.37	23.30	369.98	493.81	451.39	462.09	457.21	457.44	434.88
165.	433.09	405.71	385.48	37.19	23.95	23.47	23.27	387.02	498.84	461.16	456.51	457.44	457.62	456.51
170.	440.46	409.53	364.09	33.15	23.45	23.35	23.32	389.74	516.05	463.02	460.70	460.67	460.93	439.77
175.	453.57	398.33	369.07	49.27	23.47	23.32	23.25	392.57	518.09	467.67	465.50	459.30	464.52	451.90
180.	454.52	409.30	382.62	34.15	23.75	23.60	23.35	396.67	497.67	465.12	466.74	470.93	459.30	460.71
185.	438.24	424.29	368.81	32.95	23.52	23.35	23.27	401.81	514.76	470.00	467.67	474.08	469.77	451.30
190.	439.05	401.16	370.00	40.51	23.37	23.27	23.25	400.79	492.62	460.46	458.84	456.81	459.53	455.35
195.	437.44	403.26	384.05	62.59	23.35	23.35	23.22	399.93	510.46	465.35	461.16	466.12	464.88	466.05
200.	432.62	402.79	384.05	78.67	23.65	23.35	23.27	406.78	521.43	479.30	478.84	479.77	474.42	466.28
205.	455.24	407.62	396.67	61.95	23.50	23.45	24.02	401.02	545.00	472.09	474.80	476.20	466.05	460.46
210.	431.16	405.12	394.29	52.68	23.37	23.27	23.30	402.44	495.81	473.25	466.28	463.72	460.00	458.84
215.	451.19	404.29	370.00	94.45	23.27	23.32	23.25	406.07	527.67	478.84	473.72	474.19	465.35	462.09
220.	437.44	409.30	391.19	118.37	23.63	23.50	23.35	410.91	510.23	480.00	472.56	470.93	469.77	467.91

PRU19-W-4-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	430.70	435.95	368.37	89.48	23.67	23.30	23.22	410.35	493.02	475.58	476.05	485.58	468.60	465.81
230.	432.32	404.88	370.93	92.98	23.37	23.30	23.45	407.98	499.76	468.37	469.53	473.49	467.44	466.05
235.	438.09	407.91	393.57	77.71	23.40	23.45	23.65	424.74	512.09	492.14	498.57	490.53	474.19	467.91
240.	455.24	439.05	383.33	73.07	24.52	23.65	23.67	422.78	511.39	494.05	479.53	497.62	475.81	463.49
245.	458.57	421.43	386.67	79.79	23.55	23.65	23.55	428.88	523.49	476.05	476.05	491.90	468.37	460.23
250.	438.37	436.90	392.14	48.00	23.80	23.60	23.32	424.52	516.90	477.67	479.30	494.05	472.09	468.60
255.	433.72	402.62	405.24	52.12	24.20	23.85	23.67	430.36	516.51	497.62	474.88	474.88	465.35	465.35
260.	456.67	423.81	403.57	59.88	23.75	24.27	23.52	430.98	512.56	497.14	479.07	474.19	462.09	457.91
265.	457.91	403.26	358.38	43.17	24.05	24.45	23.80	431.71	520.71	497.14	476.51	474.19	470.00	460.70
270.	458.60	422.86	394.05	64.81	23.72	23.75	23.65	432.31	517.67	500.48	492.30	495.71	494.20	478.02
275.	435.95	407.38	399.05	57.83	23.72	23.63	23.47	436.62	521.19	493.09	476.51	491.90	473.72	471.63
280.	452.79	429.29	401.43	81.33	23.50	23.52	23.55	436.28	520.70	494.28	495.48	493.57	479.77	473.72
285.	456.51	428.09	362.79	55.00	23.50	23.50	23.72	436.12	498.37	493.02	491.06	495.12	490.96	484.20
290.	454.88	428.33	385.00	41.59	24.20	23.45	23.80	438.24	517.14	500.48	500.24	499.76	476.05	485.12
295.	451.16	438.09	384.05	36.68	23.52	23.50	23.35	436.83	510.46	495.24	493.33	475.12	470.45	466.05
300.	453.81	409.28	405.71	77.63	23.50	23.45	23.32	431.67	512.09	501.67	497.86	496.43	470.45	468.37
305.	433.95	406.05	405.24	94.21	23.60	23.63	23.57	438.84	494.19	499.05	496.19	498.33	473.25	472.32
310.	440.00	406.28	394.76	56.39	23.77	23.82	23.77	432.72	519.30	496.19	497.86	499.33	478.37	470.00
315.	453.33	421.67	398.81	47.17	23.65	23.67	23.60	433.79	521.86	498.09	495.00	497.86	476.05	464.42
320.	452.79	434.05	365.09	35.17	23.65	23.63	23.35	436.07	513.49	497.38	495.71	499.52	493.33	477.21
325.	456.43	408.14	393.81	38.71	24.15	23.52	23.57	434.46	496.28	497.62	497.14	497.62	496.19	476.93
330.	451.43	403.72	399.52	46.78	23.75	23.60	23.60	435.14	521.43	499.76	495.95	499.52	476.28	482.14
335.	452.38	407.44	381.67	57.58	23.52	23.47	23.40	436.07	500.00	499.76	500.00	494.65	491.90	473.95
340.	453.81	426.67	388.57	66.24	23.77	23.50	23.55	434.14	514.52	494.76	479.53	495.71	477.67	477.91
345.	439.30	403.02	397.38	55.29	23.57	23.63	23.97	436.00	518.33	492.09	499.52	492.79	496.90	492.30
350.	440.00	421.19	340.79	44.41	24.40	23.63	23.30	436.98	512.86	497.38	493.81	495.00	476.05	476.98
355.	454.52	410.00	392.38	50.78	23.65	23.67	23.07	437.72	523.49	495.58	491.16	491.16	478.84	470.00
360.	459.05	407.21	362.79	75.83	23.92	23.85	23.57	438.88	515.71	496.19	493.33	496.19	480.00	478.84
365.	437.91	402.32	396.67	61.05	23.77	23.65	23.67	440.46	496.28	496.90	497.62	490.70	495.95	479.77
370.	457.14	429.05	397.86	80.76	24.55	23.87	23.67	451.90	525.35	493.95	490.23	492.32	480.23	476.51
375.	438.84	427.86	396.43	72.41	23.52	23.42	23.25	440.46	518.81	490.70	499.05	497.62	476.51	474.19
380.	460.71	406.28	368.05	101.78	23.37	23.55	23.47	453.57	521.39	496.67	496.19	500.95	499.05	498.09
385.	454.05	405.48	403.02	64.05	23.70	23.77	23.67	440.05	517.14	497.38	498.33	500.24	491.90	480.00
390.	455.24	429.76	403.81	57.32	23.95	23.63	23.65	453.09	517.86	496.51	493.49	495.35	492.86	475.12
395.	456.43	405.35	401.19	37.99	24.25	23.70	23.75	452.38	516.51	493.72	496.67	497.14	478.14	479.77
400.	452.86	421.67	401.43	39.93	24.15	23.90	23.70	453.57	518.84	491.86	495.35	496.05	499.76	496.67
405.	454.76	407.44	402.62	56.24	24.35	23.72	23.77	454.52	516.51	500.71	496.67	494.52	473.72	477.67
410.	452.09	423.33	409.28	38.02	24.15	23.92	23.57	453.09	518.33	495.00	497.62	492.32	497.14	480.23
415.	434.65	406.90	395.24	36.80	24.17	23.63	23.95	455.24	519.76	496.98	493.81	494.52	478.60	492.14
420.	456.43	423.09	403.57	47.90	24.20	23.72	23.87	456.43	520.93	495.58	499.52	498.81	475.12	477.91
425.	456.51	403.26	395.95	37.22	23.95	23.60	24.22	452.62	520.24	498.57	496.43	501.19	493.81	476.51
430.	451.90	401.16	384.52	36.54	25.65	24.00	24.45	455.00	517.38	496.19	495.24	496.67	492.14	492.38
435.	451.67	402.56	395.71	37.76	24.45	23.90	23.63	455.00	515.95	496.67	496.43	500.71	478.37	476.98
440.	439.07	403.95	383.09	38.76	24.07	24.20	23.67	455.24	496.74	497.14	498.09	497.86	475.58	475.35
445.	455.48	425.00	403.33	41.07	24.63	24.25	23.77	454.05	496.98	497.86	497.38	499.05	495.24	480.00
450.	439.53	407.14	397.86	42.90	24.57	23.90	23.84	456.19	512.62	497.38	493.57	496.24	477.67	476.98
455.	440.23	408.09	402.86	35.56	23.77	23.85	23.63	454.28	500.24	495.71	492.86	493.81	478.37	491.90
460.	458.57	410.23	366.74	38.17	24.25	23.82	24.02	452.38	494.05	497.62	495.71	499.76	496.90	478.14
465.	440.00	403.72	398.09	63.81	24.22	23.80	24.00	453.33	512.14	494.05	479.30	491.90	476.05	477.44
470.	460.00	403.26	400.24	41.19	24.92	24.10	23.85	155.20	497.91	495.00	496.43	499.09	495.24	477.91

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	431.19	406.90	390.24	34.44	23.90	23.60	23.87	439.14	500.00	478.60	476.98	477.21	472.79	473.25
480.	431.39	403.57	395.95	70.66	23.90	23.75	23.60	437.21	493.72	478.84	476.74	470.37	472.56	474.65
485.	436.28	402.09	370.23	100.68	23.55	23.45	23.72	435.05	499.52	475.35	473.95	473.25	468.60	464.19
490.	438.33	403.95	367.44	75.54	23.77	23.85	23.97	434.32	494.20	472.32	471.16	474.19	469.53	467.44
495.	438.33	403.33	362.62	55.27	23.60	23.77	23.40	431.39	495.00	467.44	466.98	460.60	462.32	468.25
500.	438.81	398.33	381.67	78.07	24.35	24.30	24.02	439.36	474.19	466.98	467.67	460.30	466.98	468.00
505.	422.62	403.09	394.29	57.61	24.80	24.27	24.02	439.43	480.23	465.81	466.74	470.46	466.05	461.63
510.	429.29	398.09	388.57	49.49	24.30	24.30	23.95	434.67	480.00	461.39	458.60	460.00	458.37	459.07
515.	428.57	401.63	390.95	53.10	24.35	24.05	24.02	432.98	476.65	461.86	461.63	462.79	459.84	458.60
520.	423.09	396.90	370.70	36.68	25.05	24.57	24.13	429.36	473.49	460.46	457.44	458.60	456.05	456.05
525.	421.90	391.90	384.05	50.44	24.02	23.77	23.80	427.12	468.46	451.86	459.52	459.52	454.76	457.38
530.	428.57	401.39	388.09	38.51	23.67	23.63	24.02	422.98	469.07	451.16	450.70	457.62	457.67	451.90
535.	408.14	390.00	387.86	36.71	23.80	23.55	23.72	421.17	468.72	453.25	460.95	451.86	458.57	455.71
540.	406.28	392.14	365.95	32.07	23.60	23.52	23.95	407.93	462.09	458.33	458.81	459.05	453.09	456.90
545.	408.57	391.67	358.33	30.80	23.85	23.82	23.57	405.86	465.95	453.09	451.19	452.86	458.84	455.81
550.	407.91	391.67	370.46	36.54	23.85	23.82	23.60	402.93	457.14	437.67	436.85	436.99	453.95	459.52
555.	409.76	383.57	342.26	33.95	24.00	23.80	23.80	400.07	455.40	435.12	430.93	430.70	436.90	434.52
560.	400.95	365.81	341.98	31.95	23.70	23.45	23.90	406.78	458.20	431.20	431.02	435.63	440.24	436.82
565.	400.95	369.07	356.26	45.29	23.85	23.47	23.65	403.36	430.50	439.48	439.24	440.09	438.81	438.71
570.	399.52	368.37	355.52	36.63	23.60	23.25	23.32	400.26	434.39	436.48	434.67	434.48	425.83	428.71
575.	390.00	364.88	364.57	31.71	23.77	23.47	23.57	397.57	440.07	430.88	430.48	430.20	426.09	424.71
580.	397.38	365.81	368.57	30.73	23.97	23.45	23.45	394.21	437.26	431.09	427.48	429.29	400.14	409.67
585.	386.90	365.24	319.98	30.90	23.22	23.30	23.63	391.12	427.64	423.86	423.24	425.90	421.74	406.49
590.	388.57	366.05	344.36	29.41	23.70	23.63	23.27	388.68	431.48	423.36	424.24	423.36	404.51	410.38
595.	384.05	364.05	354.52	35.80	23.35	23.57	23.50	385.71	425.17	409.00	408.49	400.23	401.74	409.74
600.	369.53	358.57	348.09	40.80	24.20	23.37	23.42	381.55	410.80	406.32	405.67	404.35	403.67	400.05
605.	369.57	359.26	356.52	36.37	23.47	23.47	23.82	368.16	410.02	401.44	402.26	401.01	401.74	400.00
610.	362.00	358.98	348.07	33.29	24.57	23.63	23.50	363.44	408.01	404.52	401.24	402.02	397.67	392.52
615.	366.00	353.43	341.95	30.85	23.82	23.35	23.42	367.81	401.16	403.09	396.31	398.17	389.26	385.74
620.	363.07	350.79	344.24	33.00	23.80	23.72	23.67	364.02	400.00	395.07	391.90	391.26	385.81	382.24
625.	360.17	346.69	340.54	29.83	23.55	23.45	23.67	361.02	397.33	391.62	390.62	393.21	391.93	382.14
630.	358.09	341.76	339.78	29.66	23.65	23.32	23.63	356.93	393.36	386.31	382.93	384.57	383.76	381.74
635.	351.43	342.68	339.10	40.39	23.82	23.35	23.57	353.93	389.74	385.52	385.76	380.52	367.12	364.67
640.	348.26	346.73	319.57	31.88	23.97	23.20	23.55	350.49	384.00	381.26	369.56	369.77	366.63	363.79
645.	342.09	338.48	312.69	31.39	23.47	23.35	23.30	347.52	364.65	361.68	369.80	361.79	360.36	367.05
650.	345.93	321.86	319.29	33.29	23.47	23.22	23.72	343.59	362.12	360.67	367.81	367.31	362.38	361.40
655.	343.17	323.31	315.90	36.68	23.37	23.32	23.75	340.34	360.83	365.43	363.24	361.06	357.69	357.17
660.	328.17	318.33	304.73	44.32	23.45	23.35	23.70	344.44	362.43	361.05	360.05	359.29	356.64	356.40
665.	326.33	316.62	298.46	32.27	23.40	23.32	23.37	340.98	356.29	354.21	354.17	354.00	351.93	351.31
670.	321.29	311.26	292.58	30.02	24.55	24.52	23.42	330.24	352.69	351.83	350.83	351.05	349.57	348.83
675.	319.07	314.54	287.24	29.50	24.20	23.63	23.42	326.86	346.50	347.29	345.69	345.50	348.24	344.02
680.	315.24	310.02	278.39	29.27	23.75	23.47	23.70	323.86	345.30	342.98	342.31	343.76	342.29	342.52
685.	311.62	307.95	280.73	28.57	23.20	23.27	23.72	321.40	340.50	347.85	346.07	345.22	342.46	342.37
690.	314.78	309.12	229.70	28.20	23.67	23.50	23.27	318.17	343.12	343.44	342.73	341.37	341.76	341.34
695.	312.56	302.63	249.27	28.85	25.02	23.80	23.32	315.52	340.71	338.98	338.76	338.80	326.83	320.93
700.	309.66	297.15	251.29	29.20	24.15	23.50	23.52	313.05	337.83	327.09	326.81	326.36	324.52	322.52
705.	304.34	294.39	252.49	29.90	24.32	23.90	23.67	317.78	324.97	323.36	323.00	323.40	321.33	321.02
710.	303.44	286.10	248.83	29.32	24.08	23.35	23.50	314.90	320.68	319.95	319.55	319.79	317.79	316.98
715.	290.83	288.61	245.78	28.49	23.75	23.20	23.27	312.37	317.17	315.83	315.38	316.09	315.45	315.19
720.	295.54	286.85	251.02	27.20	23.30	23.37	23.82	309.83	313.00	312.93	312.40	313.07	311.99	312.85

PRC19-W-4-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	290.41	280.63	232.49	27.00	23.42	23.45	23.37	307.54	317.90	317.83	317.60	317.73	316.02	315.05
730.	289.00	279.90	223.07	27.42	24.42	23.45	23.30	305.17	314.22	313.73	313.71	313.51	310.61	312.34
735.	287.80	273.85	189.67	27.75	23.37	23.32	23.40	302.93	311.70	311.02	310.73	309.29	307.41	309.50
740.	285.19	273.66	240.51	27.63	23.30	23.07	23.22	293.76	300.44	300.12	307.95	300.05	300.12	309.32
745.	282.80	267.22	220.25	28.47	24.40	23.20	23.25	291.81	306.93	306.54	306.61	306.51	304.71	304.41
750.	279.76	264.49	224.90	27.85	23.27	23.00	23.13	296.83	303.90	303.93	303.93	303.27	292.57	292.90
755.	276.90	260.90	226.65	28.22	23.30	23.10	23.20	294.95	294.00	293.59	293.50	292.80	297.60	297.29
760.	274.80	255.37	232.80	27.80	23.37	23.20	23.40	293.12	291.74	291.12	290.90	297.56	296.32	296.12
765.	270.80	242.15	205.95	27.67	23.82	23.72	23.65	291.12	294.90	294.90	294.07	290.71	206.71	275.29
770.	255.93	243.93	191.82	27.47	23.87	23.90	23.63	260.80	291.90	290.71	289.63	282.76	283.93	283.56

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	23.72	23.67	23.67	23.55	23.55	125.41	23.17	23.02	23.00	23.32	24.25	22.75	22.80	22.75
0.	23.72	23.70	23.70	23.55	23.52	124.89	23.15	23.07	23.05	23.32	24.22	22.80	22.82	22.80
0.	23.67	23.65	23.75	23.57	23.55	55.27	23.15	23.02	23.02	23.32	24.22	22.80	22.85	22.75
0.	23.75	23.63	23.72	23.67	23.63	238.76	23.13	23.10	23.05	23.30	24.27	22.77	22.80	22.75
0.	23.70	23.75	23.70	23.57	23.57	103.05	23.10	23.05	23.02	23.27	24.25	22.65	22.80	22.77
0.	23.67	23.67	23.72	23.55	23.50	184.60	23.10	23.07	23.00	23.35	24.22	22.65	22.72	22.77
5.	24.75	25.17	24.42	23.95	23.75	-50.72	23.67	23.57	23.75	23.65	25.80	23.42	23.42	23.27
10.	32.34	31.39	29.52	28.95	27.52	6.57	28.32	24.00	24.02	23.85	28.25	23.47	24.35	23.27
15.	33.54	31.76	30.68	29.73	27.40	-8.08	26.42	24.88	24.75	24.15	29.10	23.82	23.97	23.27
20.	40.19	38.15	36.29	36.29	29.56	19.07	25.10	24.30	24.10	24.35	29.93	23.45	23.50	23.35
25.	44.49	45.17	40.32	38.24	33.29	73.02	24.95	24.15	24.15	24.75	30.98	23.55	23.87	23.35
30.	53.12	50.58	47.39	47.19	41.46	59.79	25.90	24.47	24.32	25.25	32.61	23.80	23.90	23.32
35.	57.73	59.40	57.10	55.00	48.51	48.56	26.47	25.10	24.27	26.00	36.44	23.45	23.63	23.42
40.	71.51	66.05	62.26	61.00	54.12	41.10	27.92	24.97	24.38	26.77	39.07	23.92	23.90	23.35
45.	79.76	79.00	75.22	71.44	62.40	81.76	29.54	25.72	24.65	28.00	42.88	24.22	24.15	23.50
50.	94.67	96.43	92.86	86.90	78.12	100.88	31.68	26.65	25.05	29.57	48.61	24.65	24.65	23.60
55.	137.42	128.34	114.32	116.37	97.24	85.33	34.44	28.60	25.75	31.61	57.54	25.52	25.57	23.77
60.	161.02	158.60	141.67	133.30	103.29	70.80	37.02	30.44	27.15	35.00	72.56	27.30	26.60	24.00
65.	199.32	200.07	171.52	158.32	128.78	215.30	39.63	31.46	29.80	40.07	82.69	29.00	29.20	24.67
70.	236.76	229.63	199.00	189.05	151.32	210.90	41.83	33.02	30.51	46.73	96.21	29.58	29.82	25.22
75.	286.15	248.34	231.57	215.22	176.82	105.27	43.95	36.12	34.00	56.66	116.80	31.32	31.76	25.90
80.	307.63	274.37	248.46	228.29	190.75	86.64	45.85	40.02	36.22	66.83	144.90	35.61	35.07	26.77
85.	346.81	321.19	293.29	270.68	199.45	173.42	58.05	45.29	43.22	80.38	163.95	40.95	41.73	28.13
90.	349.95	329.95	303.61	278.32	196.65	225.57	60.64	50.63	47.68	95.81	186.20	44.76	44.19	29.70
95.	384.29	357.14	320.71	302.83	229.25	-47.79	64.57	55.34	52.54	117.78	202.41	49.78	51.44	30.56
100.	388.09	365.48	342.54	315.76	218.80	-53.74	71.98	57.86	52.85	137.85	225.77	47.19	45.95	32.51
105.	401.19	381.43	345.12	311.45	234.29	-5.31	78.51	60.52	58.58	153.45	236.80	52.49	52.63	34.56
110.	407.86	369.77	352.62	339.80	257.15	21.15	79.93	66.33	56.49	162.25	252.29	50.00	50.39	36.46
115.	434.28	395.67	366.19	326.90	253.93	55.83	84.69	70.00	62.07	177.52	262.51	57.80	56.63	38.27
120.	403.33	390.24	389.28	363.95	259.27	23.30	84.81	73.88	63.64	177.20	270.34	58.73	58.38	40.37
125.	405.48	391.19	363.49	355.48	264.61	39.90	89.43	77.51	65.74	190.22	282.98	58.56	59.62	42.58
130.	436.19	396.43	391.67	391.90	267.68	11.22	102.68	81.57	72.95	195.02	288.63	65.76	65.40	45.05
135.	434.52	402.86	393.57	383.09	277.29	46.37	105.98	83.62	74.00	200.95	291.98	69.58	74.41	47.05
140.	436.67	404.65	395.71	371.63	306.88	71.73	90.71	77.90	80.74	202.12	307.76	74.46	74.12	49.34
145.	433.02	434.28	408.84	398.09	320.36	115.37	92.02	82.38	77.93	203.66	317.76	75.51	74.85	51.49
150.	435.24	427.62	404.65	402.14	308.58	120.37	95.86	84.79	86.40	202.29	319.57	75.27	75.49	53.46
155.	431.86	408.60	397.14	369.77	296.63	996.15	97.36	81.55	90.64	214.82	327.36	75.98	78.29	55.90
160.	436.19	437.62	404.88	386.67	316.41	102.78	105.95	88.90	89.00	214.35	340.07	78.12	79.59	57.76
165.	428.33	422.62	404.76	381.67	296.83	126.24	111.73	83.95	93.93	223.30	340.79	78.05	79.31	59.17
170.	435.12	430.00	407.67	398.57	320.55	177.47	104.51	85.31	94.38	233.22	344.88	81.14	85.02	59.31
175.	434.65	432.62	435.00	431.19	363.81	324.29	104.54	85.79	102.34	229.60	348.29	90.14	87.09	61.14
180.	437.91	432.38	429.76	428.33	317.41	249.27	114.05	92.69	90.57	227.07	352.90	85.38	88.36	63.00
185.	454.52	434.28	410.70	395.95	314.48	268.07	105.66	85.00	96.40	230.87	357.29	81.76	88.43	64.33
190.	456.19	451.19	433.95	405.12	347.56	88.52	113.80	83.55	100.39	231.54	363.52	83.98	90.83	65.40
195.	460.23	452.14	407.91	398.81	314.07	93.45	110.61	89.26	102.07	226.55	364.79	85.52	87.12	66.52
200.	438.37	434.28	435.95	410.46	309.73	235.32	110.34	95.69	100.63	234.10	362.82	88.43	92.21	69.56
205.	454.65	438.14	435.35	428.09	342.09	94.83	115.34	93.74	107.00	245.00	362.30	89.19	90.38	71.05
210.	458.84	434.42	436.90	435.24	355.24	231.39	114.58	93.09	109.76	248.68	367.12	87.69	88.07	72.41
215.	457.38	434.88	421.19	400.95	325.83	270.80	112.39	91.86	116.07	248.93	370.42	93.21	97.57	73.49
220.	455.58	435.35	433.02	425.48	316.54	279.05	112.95	92.12	111.10	245.17	381.52	94.31	97.26	74.93

PRC19-W-4-1/4

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	452.56	455.48	434.65	408.14	321.45	270.90	117.46	102.78	111.90	252.56	384.17	95.40	96.31	76.78
230.	458.84	437.67	433.02	431.43	329.90	113.61	119.71	97.24	107.02	248.22	384.57	93.19	92.14	77.49
235.	461.63	457.14	433.57	438.09	313.88	93.48	117.46	101.34	113.07	244.17	390.02	95.81	103.98	78.15
240.	459.07	455.35	460.95	433.72	358.33	266.66	119.00	101.24	115.32	247.32	391.55	93.62	100.66	79.34
245.	451.86	439.77	438.33	407.86	346.56	260.24	124.00	97.00	116.24	246.66	392.90	92.26	100.05	78.31
250.	456.74	456.28	453.81	430.71	360.00	231.77	117.80	104.54	112.66	244.32	393.31	95.14	100.29	78.89
255.	462.32	458.81	437.44	439.52	367.62	543.49	123.76	109.19	117.66	256.98	398.29	97.45	103.19	79.69
260.	459.76	454.05	433.49	409.07	344.00	261.44	125.50	105.41	119.85	264.58	393.74	102.76	110.73	80.81
265.	454.65	460.00	453.81	410.70	347.95	261.63	124.78	107.85	119.56	263.44	401.33	100.12	105.56	82.17
270.	466.28	453.95	451.43	407.91	353.33	253.02	120.93	106.76	119.73	273.32	403.12	94.33	105.17	82.90
275.	470.23	456.05	439.07	435.24	362.62	476.51	123.80	116.29	120.50	277.85	407.49	100.71	107.19	83.48
280.	469.77	451.39	438.84	422.86	345.43	252.32	126.93	112.73	118.94	272.63	405.90	107.70	111.37	84.21
285.	461.39	450.46	453.81	436.28	360.95	259.10	133.85	116.85	125.54	261.49	407.95	105.41	109.51	85.02
290.	450.46	440.46	433.49	407.67	363.33	255.34	135.30	112.41	127.61	264.71	401.42	103.24	112.76	86.31
295.	456.74	451.90	433.02	407.44	367.86	94.38	129.05	112.68	128.34	272.78	491.07	100.22	110.02	87.59
300.	457.67	457.86	455.95	435.81	368.33	1416.41	134.35	115.80	128.41	268.88	403.93	110.27	112.71	88.55
305.	467.91	459.30	459.28	438.09	358.57	1459.20	133.57	107.88	129.41	270.66	404.56	111.22	109.95	89.57
310.	458.14	452.09	452.79	438.33	342.76	92.29	127.02	111.46	129.32	275.49	404.84	106.19	114.60	90.74
315.	451.39	438.14	434.65	424.05	347.86	103.37	129.32	112.71	129.12	274.93	405.86	106.19	105.44	91.26
320.	470.70	456.28	455.48	439.76	341.86	101.46	137.00	111.56	125.39	282.49	408.42	104.66	109.46	91.33
325.	470.00	453.95	453.81	430.24	361.19	1359.74	138.57	117.85	127.61	285.93	410.91	109.73	111.39	91.57
330.	478.84	454.42	435.81	439.29	355.71	1433.85	140.22	124.63	125.22	273.41	410.28	111.73	114.46	91.67
335.	464.65	455.24	451.39	453.57	364.88	89.98	135.77	118.24	133.67	285.32	422.45	114.39	107.95	92.05
340.	473.25	460.70	460.48	437.14	366.74	86.19	129.56	116.71	121.10	285.68	421.74	104.83	114.71	92.79
345.	468.60	453.95	451.43	429.29	358.33	1702.31	145.05	114.93	134.25	282.22	423.09	113.54	117.24	93.36
350.	470.93	457.91	458.81	434.65	367.67	1736.41	133.82	116.05	138.20	289.54	423.57	106.76	104.17	94.48
355.	463.72	459.07	452.32	438.60	362.09	1806.15	135.63	116.78	135.45	288.61	424.95	113.63	114.54	94.69
360.	473.25	464.42	461.86	435.81	365.24	1819.49	136.00	116.56	137.17	290.79	426.07	116.41	120.15	95.83
365.	465.35	459.52	452.38	433.02	356.43	1977.44	139.27	121.88	140.07	290.24	427.95	112.78	117.22	96.67
370.	470.70	463.72	452.56	431.39	363.57	1970.26	136.30	118.83	142.40	292.31	428.38	118.07	123.32	100.12
375.	474.65	465.35	455.12	454.76	363.57	2528.72	150.15	122.34	138.60	289.15	428.78	117.27	117.29	100.78
380.	478.37	462.56	459.52	435.71	365.71	2710.26	147.52	118.32	141.65	297.46	429.49	119.34	125.41	101.15
385.	477.91	474.19	459.77	432.56	363.26	2660.46	147.72	122.17	142.30	294.37	430.62	123.93	129.54	101.76
390.	466.28	458.14	455.71	437.21	369.77	2581.79	143.02	119.61	140.72	292.07	432.24	114.02	120.41	102.29
395.	472.32	459.28	438.14	435.71	358.09	2388.20	144.20	126.90	135.25	289.05	432.14	104.27	115.66	102.19
400.	477.91	462.79	457.14	436.67	365.58	1813.33	145.50	125.34	138.07	290.34	432.95	120.56	121.98	102.49
405.	470.00	459.77	459.05	434.42	368.57	1406.67	144.70	110.85	142.15	301.71	433.40	130.00	129.24	104.02
410.	473.25	455.81	459.28	434.42	382.38	1693.59	143.80	121.93	141.85	292.29	432.48	114.76	110.39	104.78
415.	477.44	472.56	451.63	439.77	362.14	792.93	150.22	123.63	143.50	301.51	435.12	112.41	121.24	105.29
420.	463.49	452.09	454.76	435.24	362.09	355.00	145.00	121.22	140.15	296.10	435.55	113.90	121.54	105.76
425.	470.23	455.81	454.19	433.72	388.09	69.76	141.82	120.66	140.42	292.07	433.81	110.78	123.51	105.66
430.	473.72	467.21	459.77	457.14	389.76	71.71	148.50	122.29	143.25	302.73	434.50	126.71	125.27	106.34
435.	466.28	457.91	453.72	451.43	388.57	59.81	150.40	120.54	146.32	302.98	435.67	122.61	124.66	107.05
440.	473.95	467.91	463.25	460.00	405.67	-288.97	148.95	134.50	144.30	302.32	435.95	100.19	120.10	106.68
445.	478.14	471.39	460.46	435.58	383.09	92.14	148.57	127.44	147.55	293.93	434.24	123.51	125.41	106.46
450.	466.05	460.24	457.91	452.62	368.33	133.50	157.20	136.00	147.05	293.38	433.98	110.05	136.40	107.19
455.	473.49	464.42	455.35	431.86	371.39	27.25	152.25	121.56	150.45	301.63	434.78	122.54	133.97	107.78
460.	468.14	466.51	465.58	453.95	384.05	-567.44	148.47	117.78	151.93	297.29	434.36	135.77	147.32	108.39
465.	468.60	462.56	463.25	452.79	385.00	-250.25	156.40	137.15	144.07	297.78	434.00	114.17	121.61	109.24
470.	468.60	457.21	450.93	454.05	367.67	-141.03	153.10	129.29	143.45	296.49	432.67	127.46	134.17	108.73

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	467.91	462.56	452.09	430.70	370.93	-135.90	146.88	123.44	142.40	291.19	432.43	138.02	135.20	108.73
480.	471.86	462.56	452.79	435.00	363.49	-140.46	155.65	125.07	144.90	306.29	432.40	126.12	129.17	106.73
485.	461.39	456.98	459.28	435.71	369.07	0.25	153.67	124.41	144.88	293.95	430.50	114.05	124.44	109.51
490.	454.19	458.09	455.24	434.52	363.72	-51.54	154.13	140.35	146.25	288.24	426.93	119.68	125.90	110.12
495.	457.21	455.95	437.91	426.43	364.88	151.25	147.07	127.00	144.45	291.39	425.67	128.51	135.95	110.76
500.	450.70	452.14	439.29	423.33	367.91	19.09	146.70	126.46	145.90	288.29	423.48	110.41	123.95	110.90
505.	456.74	433.95	440.24	408.60	361.19	-502.31	155.80	139.00	147.35	292.34	421.95	118.61	125.44	110.63
510.	456.05	459.76	437.44	430.48	363.49	-145.64	148.02	128.51	144.47	287.17	409.67	126.10	124.12	110.83
515.	456.05	456.90	431.16	409.77	353.33	-615.38	149.12	139.22	138.80	282.71	409.44	106.63	122.61	110.51
520.	455.35	452.62	435.95	408.37	357.14	-268.77	147.80	138.52	139.05	285.65	407.65	115.63	121.56	110.80
525.	452.86	431.16	437.38	423.00	360.71	-601.54	139.52	125.39	141.35	280.71	405.12	110.90	121.76	109.58
530.	436.98	432.09	431.43	404.05	352.30	-369.51	141.57	118.49	138.30	278.70	402.05	117.69	120.61	109.07
535.	454.76	433.81	425.24	402.62	355.95	241.22	142.02	117.78	133.95	281.00	409.67	124.98	120.51	109.17
540.	458.57	438.57	425.95	410.48	347.93	110.02	142.63	128.17	139.15	283.93	406.57	114.90	118.19	108.76
545.	437.14	428.33	420.95	399.52	343.57	126.76	147.72	123.07	137.05	279.27	405.09	102.95	115.07	108.37
550.	432.14	410.46	402.56	394.29	344.79	145.97	140.38	116.93	127.12	276.41	400.36	106.70	113.98	108.34
555.	427.62	429.76	408.14	394.76	353.81	-306.15	142.02	120.80	133.47	270.66	397.55	114.96	119.93	107.71
560.	430.55	422.14	401.28	386.98	339.73	146.12	139.15	124.00	128.90	268.54	395.95	107.41	116.60	107.39
565.	439.81	428.69	403.98	392.43	344.39	167.97	140.30	120.63	128.61	265.56	392.74	111.93	116.93	107.22
570.	410.14	403.14	409.64	389.33	340.93	87.02	142.35	125.85	134.77	267.46	391.62	116.39	119.49	107.02
575.	423.93	410.12	408.57	385.55	326.21	101.73	140.55	128.73	134.57	261.17	388.74	104.05	119.46	106.90
580.	405.07	405.09	392.90	364.14	312.14	109.39	141.80	122.51	125.76	262.37	385.07	117.17	113.34	106.39
585.	403.21	407.62	398.71	364.42	323.59	105.37	128.85	125.83	126.49	260.12	382.48	119.15	116.39	106.02
590.	404.31	397.07	391.95	368.55	321.69	-256.15	135.00	129.78	125.66	255.17	371.14	101.56	110.44	105.85
595.	406.40	398.26	389.28	364.40	311.07	343.57	129.46	119.63	120.05	255.46	368.28	114.93	112.83	105.17
600.	405.43	394.90	386.93	363.55	313.44	78.64	133.92	122.19	127.85	253.73	365.21	104.73	117.10	105.27
605.	395.98	384.38	363.98	361.26	311.85	102.90	136.90	125.80	124.32	243.29	361.72	114.78	114.60	104.73
610.	388.76	382.29	365.09	352.81	314.00	130.29	146.70	129.56	124.12	249.58	366.07	114.27	117.12	104.98
615.	382.19	362.79	362.33	352.83	308.41	143.50	145.02	129.49	120.15	239.56	361.95	114.12	115.88	104.09
620.	370.37	361.81	360.45	349.52	307.71	165.27	151.92	133.65	116.78	242.63	350.43	108.95	112.44	104.29
625.	369.09	362.00	360.02	341.76	311.88	94.62	143.80	129.90	115.12	247.63	354.93	107.19	107.80	103.51
630.	366.74	367.40	357.36	343.64	293.62	108.80	143.25	128.51	114.27	247.85	351.40	111.90	110.17	103.18
635.	367.81	359.98	354.31	347.24	316.56	97.02	142.25	134.80	117.40	245.93	349.62	111.54	113.05	102.56
640.	368.71	360.26	353.98	343.14	314.71	-150.77	154.00	134.05	115.27	245.29	343.90	107.29	109.85	102.54
645.	367.74	358.31	355.05	343.12	313.50	-802.31	151.63	134.00	114.03	237.46	340.76	110.51	110.17	102.58
650.	355.33	346.95	342.83	342.66	311.19	83.76	153.97	129.60	116.51	231.90	345.76	106.87	116.66	102.56
655.	353.24	346.50	344.40	342.56	314.19	113.51	153.25	133.95	115.44	229.95	341.61	111.73	112.41	102.76
660.	351.71	348.41	344.95	340.32	309.12	153.97	147.77	128.00	113.27	233.22	330.02	111.41	109.46	102.17
665.	349.79	342.17	345.10	327.93	303.90	79.27	142.47	123.88	110.37	227.40	327.12	100.19	106.24	102.15
670.	347.40	342.81	343.10	324.21	296.58	421.90	141.05	128.02	112.34	223.42	324.09	100.37	110.10	101.54
675.	348.34	340.00	327.50	318.07	293.73	548.72	140.45	126.19	110.73	217.92	320.80	107.22	111.61	101.44
680.	347.17	328.81	323.29	312.67	288.98	-177.95	147.42	127.76	116.78	214.50	310.14	100.51	113.15	101.00
685.	329.64	323.59	318.95	317.80	286.90	133.37	135.95	122.49	114.76	217.97	315.09	107.80	109.93	101.05
690.	328.36	320.48	317.55	317.12	272.39	178.50	141.27	120.54	108.08	214.82	312.43	102.66	102.17	100.76
695.	327.90	321.19	317.45	312.66	271.37	341.29	139.57	119.66	109.08	200.95	317.05	103.12	108.44	100.05
700.	320.81	312.59	311.36	310.44	274.02	347.07	138.62	119.83	115.17	201.66	314.32	100.37	111.39	97.52
705.	317.81	310.62	314.12	292.00	263.88	433.57	133.92	122.24	108.50	202.41	311.58	102.12	106.95	100.56
710.	314.21	316.02	312.49	294.98	264.39	-1700.20	129.57	123.34	104.51	202.32	308.05	97.60	94.31	97.07
715.	311.50	313.98	305.12	291.80	254.95	122.10	129.00	118.00	105.53	202.00	306.51	104.12	101.61	95.74
720.	317.49	312.68	304.07	289.54	250.73	166.17	133.47	119.66	102.44	198.95	303.56	102.05	97.21	93.65

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	311.51	305.73	291.88	286.98	247.68	-306.67	123.02	116.05	103.12	198.46	293.90	95.24	92.64	93.59
730.	309.17	305.95	291.83	286.44	251.66	499.05	122.56	116.76	104.54	195.80	291.81	103.12	96.08	92.57
735.	307.12	301.83	291.05	281.41	240.05	-11.28	127.34	118.15	106.34	192.00	296.63	94.00	100.12	91.52
740.	303.98	291.88	288.78	280.88	243.73	128.32	120.37	112.02	102.71	193.25	294.58	101.54	94.90	90.62
745.	291.26	296.83	291.12	278.17	236.41	175.52	120.10	114.00	105.39	186.77	292.63	100.49	107.71	90.79
750.	291.98	295.29	286.05	271.44	238.37	666.05	119.19	111.54	100.27	188.82	290.32	90.52	92.64	91.83
755.	295.41	292.41	282.49	272.44	238.41	662.56	117.29	111.34	101.78	188.60	288.29	91.02	93.79	93.24
760.	290.63	285.80	276.83	267.41	230.29	-1842.05	121.12	114.27	94.33	183.27	286.51	92.93	93.26	94.67
765.	282.00	276.51	266.54	258.95	228.77	185.22	134.60	119.19	90.86	179.00	284.24	89.43	88.08	96.09
770.	281.44	268.49	267.17	252.73	228.32	180.07	138.15	107.73	91.79	173.15	281.73	90.45	86.45	97.31

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	23.25	23.22	19.29	13987.31	-0.00	-0.01	-0.02	0.09	0.00	0.00	0.00	0.00	21.00	-0.06
0.	23.32	23.32	29.46	14101.19	-0.00	-0.01	-0.02	0.23	0.00	0.00	0.00	0.00	20.99	0.64
0.	23.40	23.37	40.03	14015.78	-0.00	-0.01	-0.02	0.18	0.00	0.00	0.00	0.00	20.99	0.56
0.	23.42	23.27	50.21	14044.25	-0.00	-0.01	-0.02	0.18	0.00	0.00	0.00	-0.00	20.99	-0.43
0.	23.40	23.30	59.45	14044.25	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	20.99	0.61
0.	23.27	23.27	69.64	14044.25	-0.00	-0.01	-0.02	-0.15	0.00	0.00	0.00	0.00	21.01	-1.32
5.	23.52	23.60	10.04	14061.33	0.00	-0.01	-0.01	-0.08	0.00	0.00	0.00	0.00	20.95	-0.09
10.	30.90	29.15	19.28	13907.31	0.00	-0.00	-0.00	0.57	0.00	0.00	0.00	0.00	20.95	-0.27
15.	26.77	28.30	29.46	13930.37	0.00	-0.00	0.00	0.50	0.00	0.00	0.00	0.00	20.93	0.63
20.	37.98	34.37	40.03	13987.31	0.00	0.00	0.01	0.11	0.00	0.00	0.00	0.01	20.82	3.10
25.	37.05	37.34	50.21	13958.84	0.00	0.01	0.02	-0.20	0.00	0.00	0.00	0.01	20.72	3.16
30.	48.29	43.24	59.45	13987.31	0.01	0.01	0.04	-0.44	0.00	0.00	0.00	0.01	20.57	2.31
35.	57.83	50.98	69.63	13901.90	0.01	0.02	0.06	-0.47	0.00	0.00	0.00	0.02	20.47	2.49
40.	55.98	53.27	10.04	13944.61	0.02	0.03	0.08	1.88	0.00	0.00	0.00	0.02	20.34	2.60
45.	67.57	60.14	19.28	13873.43	0.03	0.05	0.17	1.66	0.00	0.00	0.00	0.03	20.21	6.30
50.	81.02	77.54	29.46	13816.49	0.05	0.07	0.19	1.31	0.00	0.00	0.00	0.05	20.03	6.62
55.	90.33	88.24	40.03	13816.49	0.08	0.11	0.31	-0.32	0.00	0.00	0.00	0.07	19.82	5.26
60.	111.32	100.05	50.22	13759.55	0.12	0.16	0.40	-0.53	0.00	0.00	0.00	0.11	19.53	10.53
65.	157.52	121.02	59.45	13674.14	0.17	0.23	0.51	-0.64	0.00	0.00	0.00	0.14	19.15	8.10
70.	158.50	146.85	69.64	13617.20	0.26	0.35	0.77	-0.73	0.00	0.00	0.00	0.22	18.66	10.17
75.	181.15	170.20	10.05	13548.88	0.35	0.50	1.00	4.12	0.00	0.00	0.00	0.32	18.06	8.53
80.	194.87	185.82	19.29	13389.44	0.45	0.68	1.32	3.54	0.00	0.00	0.00	0.42	17.22	7.53
85.	190.77	186.20	29.46	13247.09	0.57	0.84	1.54	2.60	0.00	0.00	0.00	0.56	16.37	11.03
90.	192.75	182.55	40.03	13161.68	0.66	1.03	1.93	-0.63	0.00	0.00	0.00	0.66	15.30	12.33
95.	193.00	198.52	50.21	13019.33	0.76	1.12	2.08	-0.92	0.00	0.00	0.00	0.79	14.14	13.75
100.	213.80	199.95	59.46	12876.98	0.83	1.20	2.23	-1.08	0.00	0.00	0.00	0.87	13.00	11.17
105.	201.67	203.39	69.63	12706.16	0.89	1.26	2.36	-1.03	0.00	0.00	0.00	0.89	11.99	12.17
110.	255.41	239.39	10.05	12706.16	0.95	1.25	2.38	5.02	0.00	0.00	0.00	0.99	10.99	10.45
115.	258.78	244.00	19.28	12449.93	1.00	1.33	2.55	4.26	0.00	0.00	0.00	1.07	10.21	10.39
120.	239.93	246.54	29.46	12336.05	1.04	1.35	2.72	2.96	0.00	0.00	0.00	1.11	9.62	13.21
125.	254.12	260.73	40.03	12136.76	1.06	1.33	2.63	-0.50	0.00	0.00	0.00	1.07	9.11	12.67
130.	236.61	258.80	50.22	11994.41	1.10	1.35	2.86	-0.09	0.00	0.00	0.00	1.16	8.80	8.63
135.	261.05	273.02	59.45	11823.59	1.13	1.31	2.89	-1.10	0.00	0.00	0.00	1.17	8.54	11.77
140.	302.00	293.71	69.64	11709.71	1.17	1.31	2.89	-1.08	0.00	0.00	0.00	1.27	8.34	10.13
145.	317.07	311.41	10.05	11607.22	1.21	1.29	2.82	5.12	0.00	0.00	0.00	1.33	8.33	12.38
150.	294.14	292.80	19.28	11425.01	1.24	1.29	2.82	4.36	0.00	0.00	0.00	1.31	8.20	13.29
155.	297.54	291.74	29.46	11282.66	1.26	1.32	2.95	2.84	0.00	0.00	0.00	1.25	8.13	13.24
160.	319.00	307.61	40.02	11168.78	1.29	1.23	2.61	-0.68	0.00	0.00	0.00	1.35	8.14	10.51
165.	292.93	296.90	50.21	10969.49	1.30	1.22	2.61	-0.94	0.00	0.00	0.00	1.27	7.94	13.26
170.	307.34	315.73	59.45	10798.67	1.33	1.20	2.49	-1.11	0.00	0.00	0.00	1.33	8.00	12.07
175.	313.22	329.88	69.63	10684.79	1.36	1.16	2.31	-1.12	0.00	0.00	0.00	1.42	8.07	13.57
180.	296.76	314.32	10.05	10599.38	1.37	1.16	2.34	5.23	0.00	0.00	0.00	1.32	8.06	13.37
185.	307.07	308.78	19.28	10457.03	1.38	1.15	2.30	4.42	0.00	0.00	0.00	1.35	8.12	13.35
190.	347.14	341.00	29.46	10257.74	1.42	1.11	2.12	2.90	0.00	0.00	0.00	1.43	8.32	11.28
195.	313.62	316.07	40.03	10086.92	1.40	1.09	2.06	-0.77	0.00	0.00	0.00	1.43	8.33	10.60
200.	291.29	302.90	50.21	10058.45	1.43	1.06	2.01	-0.90	0.00	0.00	0.00	1.39	8.61	12.47
205.	344.61	327.33	59.45	9921.80	1.46	1.06	1.97	-1.13	0.00	0.00	0.00	1.45	8.58	12.01
210.	404.14	362.95	69.63	9762.36	1.47	1.01	1.86	-1.15	0.00	0.00	0.00	1.70	8.70	13.77
215.	330.36	320.52	10.03	9639.94	1.48	1.01	1.84	5.30	0.00	0.00	0.00	1.48	8.72	11.39
220.	295.00	312.24	19.27	9508.98	1.48	0.99	1.79	4.39	0.00	0.00	0.00	1.44	8.98	12.19

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	313.22	316.69	29.46	9378.02	1.49	0.99	1.80	2.76	0.00	0.00	0.00	1.42	8.84	12.14
230.	323.31	323.69	40.03	9215.74	1.53	0.95	1.74	-0.80	0.00	0.00	0.00	1.49	8.97	10.31
235.	306.56	312.02	50.21	9070.54	1.54	0.97	1.79	-0.95	0.00	0.00	0.00	1.49	9.15	14.01
240.	324.86	342.15	59.45	8979.44	1.55	0.94	1.73	-1.09	0.00	0.00	0.00	1.50	9.16	11.92
245.	346.24	346.46	69.63	8839.93	1.54	0.93	1.72	-1.08	0.00	0.00	0.00	1.44	9.30	13.72
250.	356.02	350.33	10.05	8694.74	1.58	0.91	1.70	5.41	0.00	0.00	0.00	1.51	9.39	14.41
255.	368.26	356.00	19.29	8592.24	1.59	0.89	1.64	4.39	0.00	0.00	0.00	1.57	9.42	11.94
260.	341.05	343.14	29.47	8447.05	1.60	0.89	1.64	3.09	0.00	0.00	0.00	1.51	9.45	13.19
265.	346.45	344.71	40.03	8310.39	1.60	0.91	1.67	-0.51	0.00	0.00	0.00	1.51	9.51	10.61
270.	352.40	344.59	50.21	8187.97	1.64	0.86	1.58	-0.96	0.00	0.00	0.00	1.53	9.52	11.93
275.	404.84	364.49	59.45	8034.23	1.64	0.86	1.57	-1.05	0.00	0.00	0.00	1.67	9.51	10.61
280.	345.05	351.71	69.64	7928.89	1.63	0.84	1.54	-1.17	0.00	0.00	0.00	1.59	9.45	13.07
285.	347.32	348.21	10.04	7815.02	1.65	0.83	1.53	5.48	0.00	0.00	0.00	1.59	9.54	12.61
290.	368.31	366.69	19.27	7692.60	1.64	0.82	1.49	4.45	0.00	0.00	0.00	1.53	9.58	13.12
295.	355.86	362.36	29.46	7584.41	1.66	0.81	1.42	2.84	0.00	0.00	0.00	1.52	9.74	10.64
300.	390.50	366.83	40.02	7459.14	1.67	0.80	1.40	-0.82	0.00	0.00	0.00	1.59	9.97	11.55
305.	354.69	349.02	50.22	7336.72	1.67	0.79	1.37	-0.91	0.00	0.00	0.00	1.55	9.93	13.11
310.	319.76	345.44	59.45	7222.84	1.69	0.77	1.35	-1.12	0.00	0.00	0.00	1.56	10.08	13.18
315.	343.45	350.33	69.64	7080.49	1.60	0.76	1.32	-1.09	0.00	0.00	0.00	1.54	10.20	8.72
320.	343.39	348.51	10.05	6975.15	1.69	0.74	1.29	5.39	0.00	0.00	0.00	1.56	10.25	12.94
325.	362.36	363.45	19.28	6832.80	1.70	0.72	1.28	4.47	0.00	0.00	0.00	1.57	10.34	10.64
330.	363.31	366.50	29.46	6707.53	1.72	0.72	1.27	3.03	0.00	0.00	0.00	1.67	10.40	13.03
335.	343.54	354.59	40.03	6619.27	1.70	0.70	1.25	-0.50	0.00	0.00	0.00	1.59	10.53	10.85
340.	382.74	364.28	50.22	6500.24	1.73	0.69	1.23	-0.93	0.00	0.00	0.00	1.63	10.42	12.31
345.	360.81	359.79	59.45	6380.13	1.75	0.69	1.23	-1.18	0.00	0.00	0.00	1.62	10.49	9.50
350.	388.14	388.33	69.64	6263.40	1.73	0.68	1.23	-1.14	0.00	0.00	0.00	1.61	10.60	9.59
355.	357.19	370.00	10.05	6152.36	1.76	0.68	1.23	5.43	0.00	0.00	0.00	1.58	10.61	12.74
360.	362.12	359.09	19.28	6055.57	1.76	0.66	1.22	4.43	0.00	0.00	0.00	1.60	10.64	13.65
365.	368.29	360.59	29.46	5924.61	1.77	0.65	1.22	2.98	0.00	0.00	0.00	1.64	10.69	11.82
370.	355.62	366.14	40.02	5827.81	1.79	0.66	1.23	-0.77	0.00	0.00	0.00	1.50	10.77	14.01
375.	368.24	368.86	50.20	5705.39	1.80	0.64	1.21	-1.07	0.00	0.00	0.00	1.62	10.79	12.16
380.	362.36	359.86	59.44	5602.89	1.79	0.63	1.22	-1.22	0.00	0.00	0.00	1.56	10.77	11.90
385.	365.46	365.67	69.62	5477.63	1.79	0.62	1.21	-1.18	0.00	0.00	0.00	1.65	10.81	13.75
390.	371.02	367.91	10.03	5386.52	1.80	0.61	1.22	5.16	0.00	0.00	0.00	1.64	10.80	13.75
395.	350.83	364.90	19.26	5266.95	1.80	0.59	1.20	4.44	0.00	0.00	0.00	1.63	10.83	11.51
400.	355.64	368.52	29.44	5178.69	1.81	0.59	1.21	3.10	0.00	0.00	0.00	1.58	10.92	12.14
405.	359.76	369.45	40.01	5084.74	1.81	0.59	1.22	-0.44	0.00	0.00	0.00	1.60	11.02	11.50
410.	369.74	384.69	50.20	4956.63	1.83	0.59	1.21	-0.93	0.00	0.00	0.00	1.60	11.07	10.80
415.	391.74	369.12	59.43	4856.98	1.85	0.57	1.20	-1.10	0.00	0.00	0.00	1.74	11.16	12.49
420.	386.17	370.95	69.61	4771.57	1.84	0.57	1.21	-1.16	0.00	0.00	0.00	1.65	11.11	12.43
425.	355.93	382.00	10.03	4546.30	1.84	0.56	1.20	5.37	0.00	0.00	0.00	1.50	11.32	13.13
430.	385.67	384.90	19.26	4549.51	1.86	0.55	1.22	4.40	0.00	0.00	0.00	1.65	11.16	9.70
435.	388.79	389.31	29.45	4452.70	1.84	0.55	1.21	2.96	0.00	0.00	0.00	1.67	11.13	13.26
440.	388.00	393.21	40.02	4361.60	1.84	0.54	1.21	-0.57	0.00	0.00	0.00	1.60	11.20	14.39
445.	359.74	369.32	50.21	4256.27	1.84	0.53	1.21	-0.85	0.00	0.00	0.00	1.57	11.35	10.64
450.	384.81	384.12	59.43	4176.55	1.86	0.51	1.20	-1.28	0.00	0.00	0.00	1.63	11.50	13.02
455.	362.65	380.67	69.61	4068.36	1.84	0.51	1.20	-1.22	0.00	0.00	0.00	1.62	11.38	13.01
460.	351.49	361.55	10.03	3980.11	1.81	0.50	1.20	5.40	0.00	0.00	0.00	1.50	11.40	13.65
465.	364.33	363.02	19.27	3883.31	1.80	0.49	1.19	4.37	0.00	0.00	0.00	1.57	11.67	11.00
470.	367.17	368.42	29.45	3786.51	1.79	0.48	1.19	3.01	0.00	0.00	0.00	1.53	11.77	12.66

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	392.59	384.26	40.02	3692.56	1.78	0.47	1.18	-0.44	0.00	0.00	0.00	1.54	11.86	10.63
480.	367.79	363.32	50.21	3629.93	1.75	0.46	1.17	-1.05	0.00	0.00	0.00	1.47	12.02	10.80
485.	367.26	382.24	59.44	3530.28	1.77	0.45	1.17	-1.17	0.00	0.00	0.00	1.49	12.04	10.64
490.	392.24	367.00	69.63	3442.02	1.74	0.44	1.17	-1.18	0.00	0.00	0.00	1.49	12.18	9.52
495.	382.02	367.39	10.04	3356.61	1.70	0.43	1.16	5.21	0.00	0.00	0.00	1.42	12.30	8.65
500.	364.49	361.95	19.28	3330.99	1.67	0.42	1.14	4.37	0.00	0.00	0.00	1.43	12.46	11.63
505.	369.17	368.24	29.46	3211.42	1.67	0.42	1.14	3.07	0.00	0.00	0.00	1.42	12.62	12.23
510.	364.28	364.23	40.02	3165.86	1.63	0.41	1.14	-0.73	0.00	0.00	0.00	1.42	12.75	10.64
515.	356.17	359.67	50.20	3083.30	1.60	0.40	1.13	-1.03	0.00	0.00	0.00	1.36	12.87	10.70
520.	347.07	348.33	59.43	3014.97	1.57	0.39	1.10	-1.18	0.00	0.00	0.00	1.32	12.99	11.15
525.	366.83	359.29	69.62	2926.72	1.56	0.38	1.10	-1.17	0.00	0.00	0.00	1.32	13.11	9.73
530.	349.45	347.80	10.04	2889.71	1.52	0.38	1.09	5.13	0.00	0.00	0.00	1.28	13.33	10.49
535.	363.05	357.21	19.27	2861.23	1.50	0.37	1.09	4.14	0.00	0.00	0.00	1.30	13.53	13.48
540.	353.12	345.86	29.45	2790.06	1.49	0.36	1.07	2.85	0.00	0.00	0.00	1.28	13.66	12.55
545.	349.79	346.83	40.02	2710.35	1.45	0.34	1.05	-0.57	0.00	0.00	0.00	1.23	13.83	10.45
550.	342.44	346.83	50.20	2653.40	1.41	0.34	1.05	-1.01	0.00	0.00	0.00	1.17	13.97	13.26
555.	346.62	341.57	59.44	2610.70	1.41	0.34	1.03	-1.20	0.00	0.00	0.00	1.16	14.13	12.77
560.	345.31	342.10	69.63	2536.68	1.39	0.33	1.02	-1.23	0.00	0.00	0.00	1.14	14.23	11.65
565.	312.63	321.67	10.04	2482.59	1.36	0.32	1.01	4.91	0.00	0.00	0.00	1.10	14.37	13.49
570.	342.73	327.76	19.27	2459.81	1.35	0.32	1.00	4.14	0.00	0.00	0.00	1.12	14.53	12.69
575.	306.56	316.17	29.46	2400.02	1.32	0.31	0.99	2.89	0.00	0.00	0.00	1.09	14.62	12.20
580.	308.29	310.10	40.02	2368.71	1.30	0.30	0.98	-0.59	0.00	0.00	0.00	1.06	14.71	11.02
585.	322.52	314.50	50.20	2326.00	1.29	0.30	0.97	-1.01	0.00	0.00	0.00	1.04	14.81	9.69
590.	291.07	293.83	59.44	2229.20	1.24	0.29	0.96	-1.24	0.00	0.00	0.00	1.02	14.94	10.87
595.	310.76	306.98	69.62	2226.35	1.25	0.28	0.94	-1.27	0.00	0.00	0.00	1.03	15.07	7.50
600.	313.40	313.63	10.04	2311.76	1.19	0.28	0.94	4.74	0.00	0.00	0.00	1.00	15.14	9.23
605.	294.19	291.48	19.28	2064.08	1.10	0.27	0.91	4.00	0.00	0.00	0.00	0.96	15.26	9.73
610.	294.14	293.40	29.45	1995.75	1.07	0.26	0.90	2.78	0.00	0.00	0.00	0.92	15.38	12.93
615.	293.37	293.07	40.03	1941.65	1.04	0.25	0.88	-0.47	0.00	0.00	0.00	0.90	15.53	10.72
620.	288.83	292.14	50.21	1910.34	1.03	0.24	0.86	-1.01	0.00	0.00	0.00	0.89	15.79	9.62
625.	278.80	291.34	59.44	1876.17	1.02	0.24	0.85	-1.22	0.00	0.00	0.00	0.87	16.03	8.01
630.	295.07	293.46	69.63	1551.61	0.98	0.23	0.84	-1.24	0.00	0.00	0.00	0.83	16.15	7.37
635.	312.81	307.54	10.05	1617.10	0.93	0.23	0.83	4.72	0.00	0.00	0.00	0.84	16.24	9.63
640.	306.73	316.17	19.28	1508.63	0.92	0.22	0.82	3.71	0.00	0.00	0.00	0.81	16.31	8.83
645.	315.37	311.07	29.46	1525.99	0.89	0.22	0.79	2.52	0.00	0.00	0.00	0.79	16.42	11.29
650.	308.34	316.44	40.02	1517.45	0.88	0.21	0.78	-0.55	0.00	0.00	0.00	0.75	16.49	11.42
655.	310.85	314.58	50.20	1486.13	0.83	0.21	0.76	-1.15	0.00	0.00	0.00	0.75	16.50	9.13
660.	302.58	307.58	59.44	1474.75	0.81	0.21	0.76	-1.31	0.00	0.00	0.00	0.73	16.70	8.03
665.	292.29	301.51	69.63	1463.36	0.79	0.21	0.74	-1.27	0.00	0.00	0.00	0.75	16.87	9.74
670.	296.32	293.51	10.04	1460.51	0.77	0.19	0.73	4.33	0.00	0.00	0.00	0.69	16.90	8.39
675.	286.80	290.32	19.27	1466.21	0.74	0.19	0.72	3.32	0.00	0.00	0.00	0.73	17.05	10.44
680.	277.88	279.93	29.46	1417.81	0.73	0.19	0.70	1.87	0.00	0.00	0.00	0.69	17.11	6.98
685.	267.78	279.85	40.03	1389.34	0.72	0.19	0.70	-0.67	0.00	0.00	0.00	0.64	17.16	8.90
690.	263.41	273.51	50.21	1363.71	0.71	0.19	0.68	-1.02	0.00	0.00	0.00	0.63	17.27	8.09
695.	270.10	261.15	59.45	1363.41	0.69	0.18	0.67	-1.32	0.00	0.00	0.00	0.64	17.34	9.72
700.	269.66	264.78	69.64	1306.77	0.69	0.17	0.66	-1.25	0.00	0.00	0.00	0.62	17.35	9.10
705.	259.10	255.00	10.05	1275.46	0.66	0.17	0.64	4.10	0.00	0.00	0.00	0.61	17.40	6.00
710.	259.07	259.00	19.29	1318.16	0.64	0.16	0.64	3.28	0.00	0.00	0.00	0.61	17.47	4.84
715.	249.00	246.17	29.47	1289.69	0.64	0.16	0.63	1.94	0.00	0.00	0.00	0.59	17.51	9.32
720.	242.15	239.44	40.04	1286.85	0.63	0.16	0.61	-0.75	0.00	0.00	0.00	0.56	17.55	10.82

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	246.93	239.05	50.22	1215.67	0.63	0.16	0.59	-1.09	0.00	0.00	0.00	0.58	17.61	7.04
730.	242.07	241.56	59.45	1246.99	0.61	0.16	0.58	-1.23	0.00	0.00	0.00	0.54	17.66	7.82
735.	235.61	235.05	69.63	1212.82	0.60	0.15	0.59	-1.16	0.00	0.00	0.00	0.52	17.71	8.33
740.	238.83	236.02	10.05	1172.97	0.60	0.16	0.58	3.92	0.00	0.00	0.00	0.51	17.75	8.43
745.	228.60	229.00	19.29	1121.72	0.57	0.14	0.57	3.18	0.00	0.00	0.00	0.49	17.78	7.42
750.	233.80	231.12	29.47	1116.02	0.57	0.15	0.55	1.81	0.00	0.00	0.00	0.50	17.81	8.70
755.	232.32	231.41	40.03	1056.24	0.56	0.14	0.56	-0.62	0.00	0.00	0.00	0.49	17.83	7.92
760.	232.97	229.73	50.22	876.88	0.53	0.14	0.54	-1.11	0.00	0.00	0.00	0.49	17.85	7.46
765.	219.20	218.90	59.46	856.95	0.52	0.14	0.54	-1.12	0.00	0.00	0.00	0.47	17.88	6.77
770.	215.52	217.92	69.63	837.02	0.52	0.13	0.53	-1.15	0.00	0.00	0.00	0.46	17.89	6.72

TIME	42	43	44	45	46	47	48
0.	1.03	-1.24	0.67	0.24	-0.52	0.00	0.00
0.	-1.70	2.17	-1.09	-0.79	0.07	0.00	0.00
0.	0.80	-1.25	0.74	0.19	-0.19	0.00	0.00
0.	0.04	0.01	-0.50	0.71	-0.58	0.00	0.00
0.	-0.65	0.09	0.32	0.10	0.43	0.00	0.00
0.	0.48	0.22	-0.14	-0.45	0.78	0.00	0.00
5.	1.87	0.00	-1.44	1.16	-0.16	0.00	5.00
10.	0.91	-0.02	0.82	-0.94	0.78	0.00	10.00
15.	1.61	0.08	1.15	-0.96	-1.01	0.00	15.00
20.	1.18	0.43	0.35	-0.71	1.39	0.00	20.00
25.	1.15	0.62	-0.97	1.96	-1.87	0.01	25.00
30.	0.44	1.28	0.75	-0.15	-0.23	0.02	30.00
35.	5.38	1.47	-0.42	-0.79	-1.12	0.04	35.00
40.	3.40	0.11	-0.71	0.73	-2.51	0.07	40.00
45.	0.82	1.35	1.67	-0.63	0.72	0.12	45.00
50.	3.37	1.37	-0.11	-0.51	1.30	0.20	50.00
55.	4.97	-0.10	1.94	-0.04	-0.91	0.32	55.00
60.	4.05	1.44	1.11	0.28	-2.23	0.55	60.00
65.	8.74	3.20	-0.29	-0.85	-1.75	0.94	65.00
70.	9.50	1.63	-0.29	0.03	0.80	1.43	70.00
75.	8.06	2.53	1.18	-2.38	-0.87	2.23	75.00
80.	10.20	0.81	1.25	-1.40	-1.55	3.22	80.00
85.	10.67	3.28	-2.27	-0.92	-1.88	4.20	85.00
90.	4.71	4.48	0.26	-0.35	-1.06	5.23	90.00
95.	8.64	-0.12	2.02	1.78	-3.81	6.68	95.00
100.	10.84	-0.18	0.28	2.28	-3.87	7.90	100.00
105.	8.31	6.03	-1.24	-0.25	-2.04	9.03	105.00
110.	9.42	3.22	0.12	0.02	-0.33	9.92	110.00
115.	5.14	4.92	-0.28	-0.86	-0.61	10.72	115.00
120.	8.21	5.00	0.19	-3.72	0.90	11.14	120.00
125.	6.04	6.53	-1.45	-1.59	1.58	11.55	125.00
130.	9.21	3.57	2.44	-2.23	-0.32	11.82	130.00
135.	11.74	2.54	1.64	-2.08	-3.71	11.90	135.00
140.	9.42	4.94	-1.51	-0.94	-1.38	12.15	140.00
145.	7.55	3.14	1.01	-3.25	2.35	12.12	145.00
150.	8.75	5.17	0.17	-1.75	0.23	12.30	150.00
155.	5.27	9.09	-2.45	-1.54	-0.85	12.43	155.00
160.	9.63	5.38	0.29	-2.39	0.29	12.27	160.00
165.	8.70	3.78	-0.68	-2.03	-0.04	12.53	165.00
170.	8.24	6.04	-0.40	-2.08	0.00	12.40	170.00
175.	9.46	5.60	-2.73	-1.28	0.38	12.25	175.00
180.	8.38	2.51	1.52	0.04	-2.62	12.40	180.00
185.	6.91	4.49	2.28	-1.94	-1.39	12.31	185.00
190.	8.35	2.49	1.39	-2.13	-1.19	12.09	190.00
195.	11.77	0.55	3.48	-1.03	-2.23	12.02	195.00
200.	9.84	3.87	-0.41	0.92	-2.19	11.77	200.00
205.	8.95	3.74	1.19	-2.82	0.16	11.93	205.00
210.	7.91	3.15	-0.04	0.04	-2.13	11.73	210.00
215.	9.00	4.69	-0.35	-0.77	-2.99	11.80	215.00
220.	8.66	6.75	-0.34	-1.71	-1.93	11.55	220.00

TIME	42	43	44	45	46	47	48
225.	7.81	5.09	0.23	-0.80	-3.96	11.71	225.00
230.	12.41	1.63	-0.02	-3.19	-3.07	11.45	230.00
235.	8.14	6.70	-4.31	0.73	-4.78	11.30	235.00
240.	8.86	4.29	-0.41	-1.07	-0.03	11.42	240.00
245.	11.35	1.66	1.91	-0.25	-2.45	11.10	245.00
250.	8.38	4.11	0.20	0.24	-3.09	11.11	250.00
255.	11.51	4.51	-1.54	2.05	-3.89	11.11	255.00
260.	8.48	3.12	2.29	-0.99	-2.48	11.22	260.00
265.	10.11	4.33	0.36	-0.41	-2.39	11.02	265.00
270.	10.77	2.53	2.18	-0.56	-2.17	11.06	270.00
275.	10.31	4.33	0.79	-0.88	-1.62	11.00	275.00
280.	9.50	1.96	2.01	-1.35	-1.45	11.14	280.00
285.	10.64	2.18	1.44	-2.39	-1.12	10.85	285.00
290.	7.53	5.17	-0.44	0.08	-2.52	10.99	290.00
295.	11.61	4.13	0.92	-1.12	-1.61	10.80	295.00
300.	8.43	5.59	-0.95	-1.64	-1.26	10.56	300.00
305.	10.46	3.76	0.94	-1.57	-3.78	10.81	305.00
310.	11.27	3.37	1.61	-1.17	-2.35	10.36	310.00
315.	12.84	3.18	0.00	-0.88	-1.01	10.40	315.00
320.	9.62	3.93	-1.05	-1.58	-1.61	10.35	320.00
325.	10.88	3.48	-0.62	0.88	-3.40	10.20	325.00
330.	10.18	4.84	-1.87	0.53	-1.59	10.20	330.00
335.	9.11	4.93	0.70	-2.51	-1.28	10.20	335.00
340.	8.52	4.17	1.25	-1.48	-1.99	10.26	340.00
345.	11.64	4.06	0.53	-2.51	-2.51	10.03	345.00
350.	10.65	3.86	0.30	-2.01	-1.51	10.00	350.00
355.	8.77	3.71	-0.10	1.25	-4.02	9.93	355.00
360.	10.38	1.80	1.43	0.36	-3.76	10.13	360.00
365.	9.15	5.97	-1.33	-1.69	-3.65	9.91	365.00
370.	8.56	2.65	1.10	-2.52	0.06	9.95	370.00
375.	9.79	3.33	-0.63	-1.41	-2.12	9.89	375.00
380.	9.54	3.99	0.77	-2.26	-0.77	9.86	380.00
385.	7.52	6.56	-2.09	-1.76	0.59	9.86	385.00
390.	8.06	5.59	-0.10	-0.03	-3.81	9.71	390.00
395.	11.02	3.11	0.28	-0.67	-3.51	9.81	395.00
400.	9.19	4.87	-0.93	-1.14	-2.25	9.64	400.00
405.	10.48	1.97	0.47	-0.68	-3.60	9.57	405.00
410.	11.27	3.35	-0.18	0.23	-3.89	9.45	410.00
415.	10.08	2.08	2.48	-1.43	-2.46	9.52	415.00
420.	8.04	5.12	0.46	-1.70	-1.23	9.42	420.00
425.	10.79	4.15	0.48	-2.74	-1.28	9.37	425.00
430.	13.38	2.60	0.51	-0.74	-2.58	9.51	430.00
435.	9.39	3.20	1.87	-0.84	-2.33	9.45	435.00
440.	8.28	5.58	-0.12	-0.47	-1.00	9.49	440.00
445.	10.16	2.38	1.12	-1.16	-3.57	9.22	445.00
450.	8.20	3.48	0.64	-1.54	-1.67	9.15	450.00
455.	8.97	3.69	-0.26	-0.70	-2.75	9.37	455.00
460.	8.91	5.15	0.10	-2.25	-2.44	9.08	460.00
465.	7.32	6.36	-1.23	0.32	-4.36	8.84	465.00
470.	9.91	4.25	-0.77	-0.03	-2.87	8.72	470.00

TIME	42	43	44	45	46	47	48
475.	11.40	1.75	1.79	-3.68	-0.75	8.78	475.00
480.	12.21	1.77	0.75	-0.57	-5.05	8.47	480.00
485.	10.91	2.53	1.98	-1.85	-1.38	8.57	485.00
490.	11.98	1.68	1.13	-1.62	-3.00	8.23	490.00
495.	11.70	3.55	-1.33	-0.61	-1.33	8.25	495.00
500.	8.45	3.72	0.70	-0.90	-3.83	7.86	500.00
505.	8.25	3.31	1.40	-1.33	-2.70	7.71	505.00
510.	9.93	2.89	-0.12	-1.90	-1.32	7.60	510.00
515.	10.33	3.00	1.13	-2.04	-1.70	7.33	515.00
520.	8.63	3.94	0.33	-1.05	-2.81	7.35	520.00
525.	9.71	4.02	-0.10	-0.94	-3.74	7.09	525.00
530.	7.74	4.75	-0.10	-0.42	-3.60	6.91	530.00
535.	7.17	5.36	-0.51	-0.69	-3.29	6.62	535.00
540.	7.66	2.63	1.31	-0.96	-1.77	6.48	540.00
545.	7.91	6.45	-2.00	-1.89	-3.02	6.24	545.00
550.	8.89	2.99	-0.20	-1.54	-2.39	6.08	550.00
555.	11.08	1.96	0.85	-2.44	-1.87	5.84	555.00
560.	9.26	3.58	-0.22	-1.17	-5.05	5.81	560.00
565.	5.32	5.77	-0.22	-0.10	-3.26	5.61	565.00
570.	11.14	1.49	1.46	-1.77	-2.78	5.43	570.00
575.	7.92	2.73	0.56	-1.32	-1.57	5.34	575.00
580.	8.37	3.96	-1.64	0.03	-2.65	5.26	580.00
585.	7.92	2.85	0.24	-0.46	-4.34	5.19	585.00
590.	7.78	2.70	1.13	-2.05	-1.20	5.02	590.00
595.	9.41	3.05	-0.04	-0.80	-3.38	4.94	595.00
600.	9.79	2.36	-1.05	-0.06	-3.57	4.89	600.00
605.	9.50	3.23	0.50	-1.37	-1.93	4.71	605.00
610.	7.88	3.48	0.36	-1.60	-2.45	4.61	610.00
615.	9.14	1.28	0.76	-3.60	-1.03	4.43	615.00
620.	8.77	0.92	1.80	-1.36	-3.02	4.11	620.00
625.	10.31	1.69	0.43	-1.94	-3.96	3.92	625.00
630.	9.49	2.02	0.66	-1.65	-2.45	3.79	630.00
635.	8.66	2.02	1.86	-3.10	-1.61	3.79	635.00
640.	7.98	3.46	1.51	-1.96	-2.16	3.68	640.00
645.	5.83	3.87	-0.59	-0.88	-2.13	3.51	645.00
650.	6.76	3.30	1.15	-2.75	-1.03	3.43	650.00
655.	8.69	1.97	-0.32	-0.85	-3.47	3.38	655.00
660.	8.38	4.55	-0.12	-1.31	-3.99	3.16	660.00
665.	7.13	3.81	-0.70	-0.42	-2.94	3.01	665.00
670.	7.79	2.86	0.31	-1.68	-2.45	2.92	670.00
675.	6.01	4.00	-0.81	-0.68	-3.26	2.89	675.00
680.	8.09	3.28	-1.15	-1.04	-3.71	2.84	680.00
685.	6.67	4.17	-1.68	-0.74	-3.02	2.71	685.00
690.	7.62	1.40	-0.01	-0.22	-4.78	2.60	690.00
695.	7.23	3.16	-0.36	-1.34	-2.04	2.55	695.00
700.	6.87	2.69	0.39	-2.48	-2.10	2.53	700.00
705.	8.25	1.72	1.22	-3.01	-2.09	2.48	705.00
710.	6.91	0.50	1.06	-2.59	-3.10	2.42	710.00
715.	5.75	3.67	-1.12	-0.42	-3.18	2.32	715.00
720.	4.77	3.58	-0.31	-0.84	-2.65	2.29	720.00

PRC19-W-4-1/4

TIME	42	43	44	45	46	47	48
725.	8.01	1.92	-0.16	-0.96	-2.52	2.22	725.00
730.	7.47	2.89	-1.61	-2.10	-3.42	2.17	730.00
735.	6.61	2.29	1.54	-1.75	-3.96	2.09	735.00
740.	5.21	1.23	1.41	-2.66	-0.39	2.08	740.00
745.	6.65	2.03	0.37	0.43	-4.74	2.03	745.00
750.	4.04	3.25	0.29	-1.77	-2.06	2.01	750.00
755.	6.72	2.50	-1.16	-0.24	-3.06	1.97	755.00
760.	5.49	2.05	0.52	-1.19	-3.25	1.97	760.00
765.	5.14	1.47	0.05	-1.10	-1.78	1.94	765.00
770.	5.86	2.73	-1.04	-0.07	-3.33	1.93	770.00

PRC12-P-1-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	24.13	23.35	23.00	24.15	22.60	22.05	22.55	24.10	24.20	24.15	24.13	24.02	23.80	23.50
0.	24.10	23.35	23.02	23.75	22.67	22.12	22.00	24.20	24.27	24.20	24.10	24.10	23.82	23.50
0.	24.07	23.22	22.82	23.63	22.75	22.15	21.95	24.13	24.25	24.17	24.07	24.05	23.80	23.47
0.	24.05	23.05	22.85	23.42	22.30	22.12	22.17	24.13	24.27	24.15	24.13	24.02	23.82	23.45
0.	24.02	23.17	22.65	23.30	22.35	22.12	22.07	24.05	24.30	24.13	24.02	23.95	23.77	23.50
0.	24.07	23.35	22.88	23.22	22.90	21.90	21.92	24.10	24.25	24.17	24.10	23.97	23.80	23.42
5.	23.40	24.00	24.10	23.95	23.45	21.80	21.82	24.07	24.17	24.05	23.90	23.87	23.82	23.63
10.	23.67	23.80	23.35	23.72	23.07	21.90	21.65	24.57	27.75	24.25	24.05	23.95	23.82	23.75
15.	28.13	23.82	23.32	23.85	22.95	22.25	21.90	25.07	29.50	27.00	26.45	26.35	25.57	24.75
20.	29.90	24.63	23.75	24.00	23.75	22.60	22.42	25.65	31.19	29.27	29.72	28.70	28.42	27.42
25.	32.05	29.82	23.60	23.92	22.95	22.25	22.40	26.35	32.33	30.83	30.71	31.34	30.85	30.00
30.	34.12	29.82	23.63	23.97	23.15	22.32	22.30	27.12	34.35	33.58	32.68	33.66	32.80	32.56
35.	40.73	34.54	24.40	24.02	22.55	22.17	22.10	28.57	40.56	36.37	35.29	37.61	36.54	34.73
40.	47.32	36.44	23.90	24.00	22.77	22.30	22.05	30.85	48.12	42.61	42.15	44.44	44.73	42.90
45.	58.36	43.34	27.38	23.90	23.10	22.20	22.10	34.83	66.24	50.66	51.88	53.63	52.27	51.39
50.	81.07	50.22	24.65	23.77	22.97	22.50	22.20	40.56	88.48	70.44	67.57	70.02	66.95	64.33
55.	100.93	63.93	25.07	23.30	22.50	22.40	22.22	45.51	106.58	83.64	83.59	80.59	81.98	78.46
60.	117.63	88.52	25.25	23.20	22.90	22.45	22.12	50.56	123.51	100.15	103.56	107.80	103.78	100.46
65.	123.02	108.58	25.80	23.32	22.55	22.38	22.27	55.37	141.55	117.83	115.17	118.61	117.83	117.02
70.	138.97	122.27	24.25	23.27	22.65	21.90	22.17	58.90	153.42	136.22	137.63	136.63	136.05	129.29
75.	155.30	135.92	28.02	23.32	22.55	22.17	22.05	63.86	159.55	151.67	154.25	154.40	148.63	145.42
80.	164.57	151.60	55.58	23.22	22.63	22.25	21.85	72.39	183.30	171.05	166.97	164.02	158.38	156.80
85.	179.77	171.30	75.88	23.27	22.75	22.15	22.00	80.43	195.37	186.92	182.85	179.60	176.52	171.02
90.	197.17	185.87	61.59	23.50	22.88	22.42	21.82	91.36	221.53	205.56	199.37	202.38	198.63	186.97
95.	195.32	192.57	95.14	23.52	22.82	22.25	21.92	100.05	236.35	226.57	222.10	221.75	201.72	197.60
100.	198.32	196.00	106.90	24.00	23.07	22.12	22.02	108.95	230.78	231.20	225.42	222.55	204.54	201.58
105.	199.82	198.42	90.24	23.97	22.77	21.97	21.95	109.51	235.71	232.97	233.37	232.92	218.88	207.73
110.	202.97	197.82	78.88	24.15	23.25	22.10	21.95	114.15	238.78	232.38	229.80	232.55	221.92	221.10
115.	203.07	200.71	118.22	24.17	23.13	22.42	21.88	117.90	234.24	231.27	232.80	233.32	225.22	222.55
120.	198.73	196.37	121.24	23.70	23.42	22.20	22.07	120.07	239.30	229.88	228.76	231.07	225.52	223.45
125.	198.27	205.73	120.00	23.25	22.47	22.00	21.97	123.24	249.30	236.49	232.32	237.49	232.25	228.40
130.	220.77	207.63	123.17	23.32	22.35	22.20	22.15	133.08	258.12	240.41	239.15	240.85	232.32	232.76
135.	220.17	214.88	145.40	23.42	22.50	22.20	22.17	137.47	245.34	240.19	240.37	244.56	238.41	240.61
140.	206.56	221.15	112.68	23.63	22.88	22.25	22.02	143.12	261.22	250.10	248.39	249.00	243.37	241.58
145.	222.75	223.32	139.30	25.90	22.20	21.80	21.77	152.35	262.95	258.34	260.58	260.68	252.71	252.37
150.	225.30	230.65	176.52	24.50	22.35	22.17	21.67	155.52	270.38	263.24	260.29	258.32	248.41	244.66
155.	233.35	229.40	178.25	27.12	22.32	22.20	22.02	157.20	268.17	263.41	259.07	254.27	245.05	245.49
160.	228.75	224.50	166.80	25.60	22.50	22.15	22.07	156.05	273.53	257.39	255.61	258.61	254.73	257.15
165.	227.52	217.55	152.15	24.05	22.32	21.92	22.00	157.77	267.51	259.71	256.90	255.80	253.34	251.78
170.	237.85	223.30	156.67	23.75	22.32	22.17	22.10	159.80	265.30	256.24	257.56	257.37	252.56	255.63
175.	222.25	221.17	142.75	24.10	22.85	22.27	22.10	161.13	254.71	253.07	254.49	250.68	245.71	246.10
180.	230.90	221.52	174.47	34.27	23.00	22.40	22.38	161.70	265.32	254.76	257.27	260.27	251.85	257.37
185.	236.17	221.13	155.47	26.85	23.37	22.47	22.45	161.27	266.76	257.85	255.63	253.46	246.95	245.85
190.	231.45	219.05	154.40	25.05	22.88	22.22	22.27	160.62	262.35	253.41	249.71	247.56	243.15	240.27
195.	226.65	202.85	136.63	24.05	23.00	22.45	22.27	159.70	253.12	248.24	248.05	246.49	241.44	240.27
200.	223.72	201.10	128.93	24.05	22.92	22.30	22.40	158.42	247.30	238.12	238.32	239.66	235.17	231.19
205.	215.65	202.58	150.17	24.05	22.75	22.27	22.25	156.05	240.27	234.00	234.44	239.00	233.02	231.07
210.	216.80	203.05	116.90	24.20	23.05	22.55	22.10	157.17	240.49	235.51	236.61	236.34	235.61	234.73
215.	215.15	215.12	124.51	24.15	23.32	22.40	22.10	159.25	248.33	236.71	238.15	239.41	234.41	232.32
220.	222.50	218.15	174.62	24.17	23.17	22.78	22.07	160.47	252.27	240.83	240.22	241.95	239.41	237.10

PRC12-P-1-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	220.90	207.73	174.47	24.42	23.25	22.47	22.02	161.65	251.35	239.12	239.66	240.85	237.29	238.90
230.	216.42	217.32	159.75	25.17	23.02	22.35	22.15	164.45	251.35	243.83	240.46	247.61	240.98	241.15
235.	224.13	199.05	167.65	24.05	22.45	22.57	22.27	163.45	249.54	243.32	244.24	244.15	241.95	243.49
240.	220.90	201.75	126.78	23.72	22.50	22.02	22.10	162.77	247.33	239.51	238.37	238.07	233.37	236.10
245.	203.58	201.07	146.60	23.52	22.25	22.00	21.70	161.87	239.54	234.10	232.71	233.61	229.71	230.83
250.	198.98	198.98	156.38	23.45	22.32	21.97	21.70	160.85	234.10	231.78	234.85	237.10	231.15	231.78
255.	215.50	193.55	118.24	23.80	22.02	21.98	21.85	161.55	239.53	237.93	234.44	233.27	228.93	230.66
260.	208.27	201.76	140.40	23.55	22.40	22.07	21.77	161.22	236.95	233.46	232.61	233.56	230.34	234.76
265.	206.24	199.58	157.57	24.00	22.50	22.35	22.30	161.07	232.30	228.19	230.00	231.39	229.63	232.37
270.	217.65	199.62	151.15	24.13	22.55	22.07	22.35	164.07	245.29	235.34	234.95	236.00	233.32	235.83
275.	220.95	200.73	163.95	24.05	22.77	22.50	22.95	165.57	242.30	240.12	238.63	238.29	232.15	233.63
280.	220.32	200.40	143.50	24.02	23.15	22.60	22.27	165.60	242.41	237.95	237.46	237.22	232.54	233.93
285.	206.22	202.57	146.20	23.92	22.70	22.47	22.02	165.77	237.95	234.29	232.95	232.66	229.17	229.90
290.	218.20	197.12	142.02	24.17	22.77	22.57	22.40	165.82	240.51	234.41	235.71	236.66	230.90	232.17
295.	215.05	199.10	114.58	24.22	23.07	22.67	22.35	167.30	238.32	237.34	236.24	236.71	229.24	229.73
300.	205.61	201.02	125.61	24.35	23.20	22.65	22.30	165.75	232.93	229.54	227.93	232.02	229.90	233.25
305.	198.88	196.22	128.22	23.82	22.77	22.88	22.30	163.90	231.32	229.72	229.70	228.75	227.22	230.35
310.	201.49	191.42	114.27	23.90	22.75	22.52	22.50	162.02	226.70	226.90	227.02	226.97	223.07	223.42
315.	202.25	189.65	112.15	24.45	22.80	22.65	22.50	161.70	232.53	224.20	225.77	227.92	222.75	224.05
320.	196.82	187.63	108.83	24.05	22.92	22.55	22.20	161.07	228.57	224.35	224.07	224.17	221.80	223.63
325.	190.02	187.85	103.66	23.95	23.17	22.72	22.60	159.32	219.55	219.88	221.40	223.22	218.85	218.50
330.	196.97	184.02	102.63	23.87	23.27	22.72	22.42	157.95	220.70	219.13	218.37	218.05	207.80	215.52
335.	199.65	181.82	114.88	23.97	23.10	22.45	22.42	157.97	215.27	214.30	216.00	218.57	207.93	215.42
340.	192.05	186.35	116.10	23.97	22.92	22.60	22.12	157.45	214.35	215.15	216.88	221.07	216.77	221.17
345.	200.34	187.35	117.05	23.95	22.75	22.40	22.27	157.70	219.35	216.95	217.27	219.30	217.07	220.70
350.	202.95	184.02	111.63	24.30	22.77	22.50	22.63	158.10	221.47	219.62	221.63	224.00	220.65	223.55
355.	203.10	188.70	138.77	24.02	23.15	22.55	22.50	160.20	227.57	224.13	224.17	227.22	223.00	227.42
360.	201.95	193.25	121.78	23.97	22.95	22.80	22.60	159.13	222.15	223.17	224.52	226.72	223.70	227.72
365.	206.58	189.92	129.05	24.10	23.52	22.92	22.85	160.92	230.55	225.32	225.87	227.52	222.85	223.25
370.	204.46	186.63	114.78	24.42	23.25	22.88	22.50	161.70	226.35	224.77	225.87	228.22	226.30	231.42
375.	207.56	193.72	151.45	24.32	23.32	22.82	23.05	162.72	228.35	226.70	227.25	229.80	228.63	229.32
380.	207.24	190.02	136.27	24.35	23.45	22.72	22.65	165.55	229.90	231.95	230.10	230.85	227.75	229.47
385.	204.41	198.90	146.60	24.42	23.40	22.50	22.47	164.85	229.32	228.17	229.27	232.17	226.77	228.42
390.	216.35	192.52	148.52	24.47	23.15	22.85	22.67	164.47	231.57	229.20	227.40	229.15	226.42	231.77
395.	208.02	197.72	147.30	24.72	23.47	22.40	22.22	165.70	233.22	227.70	227.55	229.92	227.02	230.20
400.	204.44	194.67	157.07	25.00	23.00	22.55	22.25	166.45	233.37	228.95	229.25	230.92	231.25	228.37
405.	214.57	193.57	133.72	24.82	22.80	22.40	22.22	167.27	230.37	231.10	230.40	230.80	229.10	233.13
410.	205.61	193.75	140.25	24.15	22.88	22.20	21.97	168.02	234.35	228.02	228.07	232.95	231.27	228.07
415.	208.00	195.17	143.15	23.85	22.70	22.00	21.80	168.65	235.58	230.90	229.93	229.90	233.40	231.97
420.	204.32	189.77	154.95	23.95	22.77	22.40	22.05	168.35	227.33	231.15	230.17	232.15	224.85	226.50
425.	199.05	190.85	129.71	24.10	23.35	22.22	21.92	167.75	227.27	228.32	228.15	228.35	221.80	224.05
430.	203.27	189.13	140.60	23.97	22.47	22.12	22.20	167.05	222.45	224.50	223.75	225.00	222.15	225.35
435.	199.44	187.27	117.15	23.72	22.95	22.25	22.17	164.90	221.32	220.27	220.07	220.22	215.88	216.39
440.	198.27	183.17	112.05	23.92	22.77	22.17	22.00	163.70	218.95	215.42	216.65	216.82	214.13	213.90
445.	202.57	182.92	129.10	24.02	23.20	22.55	22.15	163.37	219.13	217.12	216.27	217.07	207.29	214.42
450.	195.67	182.80	113.93	24.10	23.72	22.27	21.95	162.72	214.10	214.15	214.52	216.40	207.29	214.55
455.	195.52	178.57	109.85	24.60	23.67	22.85	22.32	162.00	207.93	205.83	206.63	207.27	202.88	204.39
460.	196.50	182.63	95.07	24.57	22.72	22.17	22.25	160.90	206.30	205.15	206.78	207.17	203.22	207.44
465.	191.50	179.25	108.73	24.65	23.20	22.75	22.25	159.77	206.53	203.63	204.51	203.80	200.00	200.63
470.	189.17	177.25	112.78	24.42	23.77	22.65	22.40	159.32	205.41	201.95	202.80	202.39	200.61	204.22

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	192.45	172.70	113.12	24.30	23.17	22.35	22.27	159.07	205.19	201.37	200.49	199.61	199.77	200.63
480.	185.17	177.32	110.76	24.42	23.27	22.42	21.90	158.07	202.32	202.57	199.24	202.60	198.95	201.30
485.	185.82	175.17	106.10	24.27	23.70	23.05	22.17	157.35	202.52	199.85	200.52	201.97	199.62	202.57
490.	185.32	172.85	108.46	24.15	23.07	22.85	22.82	156.32	199.30	197.27	197.97	199.52	198.05	202.00
495.	180.47	170.85	88.17	24.17	23.17	23.00	22.40	156.32	201.50	198.50	198.80	200.15	197.12	199.62
500.	182.45	167.80	94.50	24.42	23.17	22.63	22.25	155.65	198.35	196.65	197.25	199.82	196.17	198.77
505.	181.10	169.25	78.48	24.30	23.07	22.42	22.17	154.10	194.57	195.70	195.47	197.22	193.85	192.25
510.	182.77	168.47	91.59	24.32	22.67	22.27	22.30	153.40	197.25	195.92	194.90	194.10	190.45	193.67
515.	176.67	167.88	93.17	24.10	23.17	22.42	22.30	153.15	198.52	195.70	193.90	193.92	189.47	191.65
520.	175.15	167.07	89.07	23.87	22.85	22.22	22.35	152.27	191.77	193.17	193.52	193.42	189.20	191.00
525.	174.77	164.77	77.58	24.02	23.17	22.38	22.52	151.40	191.37	191.67	192.20	192.05	187.95	190.77
530.	173.60	164.47	87.14	24.47	23.45	22.65	22.50	150.20	188.70	188.17	189.17	189.35	187.40	192.45
535.	172.17	161.97	82.26	24.52	23.42	22.70	22.67	149.35	190.35	190.00	190.40	190.90	186.47	187.82
540.	174.32	164.15	81.64	24.52	23.07	22.80	22.25	148.85	188.35	188.00	189.00	188.02	186.10	187.05
545.	170.25	161.75	77.79	24.38	23.37	22.27	22.22	148.55	186.20	186.02	186.38	186.17	182.07	184.32
550.	170.00	158.57	74.83	24.63	23.60	22.55	22.35	148.00	184.35	183.40	181.88	182.85	179.07	179.65
555.	168.47	157.40	64.31	24.65	23.20	22.35	22.12	147.12	182.30	180.80	181.97	182.17	177.72	181.52
560.	166.85	157.07	71.68	24.27	23.75	22.52	22.10	145.68	178.35	178.95	178.70	179.50	176.65	178.55
565.	166.52	155.05	53.37	24.40	24.25	22.45	21.97	145.50	178.42	179.50	178.77	177.22	175.80	176.05
570.	162.85	154.97	60.95	24.32	24.35	22.12	22.00	144.32	176.35	177.38	176.17	175.10	171.00	173.27
575.	159.50	149.60	59.09	24.45	23.35	22.32	22.10	143.63	173.90	175.07	174.20	173.47	169.22	170.15
580.	160.52	152.47	61.14	23.97	23.05	22.40	22.38	142.47	171.38	172.07	173.00	173.63	169.95	170.10
585.	159.95	149.72	54.46	23.72	22.85	22.20	22.35	141.55	171.30	171.72	173.05	173.00	166.65	167.63
590.	157.97	148.80	59.59	23.55	22.63	22.35	22.20	140.77	170.35	169.88	170.25	169.42	164.80	165.70
595.	155.13	147.67	57.88	23.60	23.00	22.35	22.42	140.10	169.22	168.42	169.02	168.10	163.32	165.07
600.	155.62	146.32	58.49	23.70	22.67	22.32	22.27	139.27	166.97	168.27	168.25	166.13	162.40	163.20
605.	152.75	146.40	57.29	23.47	22.77	22.22	22.10	138.25	166.77	165.62	165.72	163.22	158.40	160.65
610.	153.63	143.35	58.49	23.52	22.52	22.20	22.25	137.85	163.75	164.02	164.55	162.15	159.30	160.27
615.	150.95	143.35	57.93	23.55	22.38	22.05	22.12	136.47	162.32	163.20	162.35	159.85	157.55	158.75
620.	148.97	141.40	66.17	23.77	22.52	22.35	22.25	136.10	161.50	161.20	161.57	163.25	158.50	159.02
625.	146.32	139.67	65.45	23.65	22.63	22.30	22.20	135.32	160.35	161.32	161.05	159.27	156.32	157.32
630.	146.77	138.75	58.79	23.80	22.75	22.25	22.27	134.52	160.47	160.50	159.05	157.35	156.67	156.50
635.	147.15	139.60	57.46	23.85	22.95	22.25	22.10	133.52	157.55	157.17	157.67	156.80	155.13	155.60
640.	146.47	138.22	60.86	23.87	23.13	22.30	22.20	129.95	155.77	156.70	156.57	156.72	151.52	152.65
645.	144.32	136.35	62.36	23.90	23.07	22.27	22.45	128.93	154.10	154.17	153.40	153.52	152.00	152.27
650.	141.95	134.70	57.86	23.70	22.97	22.38	22.17	128.32	152.10	152.22	151.90	150.70	149.92	150.55
655.	141.45	129.73	58.78	23.82	23.15	22.52	22.32	127.71	151.27	151.35	150.63	149.07	149.15	149.45
660.	139.55	129.44	56.76	23.92	23.37	22.67	22.40	126.49	148.30	147.82	146.67	146.60	146.75	147.17
665.	139.10	127.73	58.38	23.97	23.47	22.42	22.25	125.71	148.35	146.97	147.12	147.10	144.95	146.38
670.	137.70	127.71	58.73	24.00	23.13	22.63	22.22	125.24	147.95	146.88	146.77	145.85	144.92	145.85
675.	137.07	126.44	53.44	23.95	22.70	22.10	22.00	124.66	147.30	146.10	145.55	144.72	142.92	143.90
680.	136.10	125.56	57.24	23.92	22.45	22.40	21.90	124.12	146.57	144.35	144.52	142.75	141.88	142.92
685.	134.75	123.95	55.63	23.57	22.75	22.35	22.40	123.34	145.37	143.38	142.77	142.32	142.27	142.27
690.	133.50	122.41	56.66	23.77	22.77	22.52	22.60	122.51	142.32	142.22	140.97	140.40	140.45	140.42
695.	129.24	122.95	53.15	23.70	22.75	22.97	22.88	121.00	139.90	139.92	139.97	139.72	137.20	138.50
700.	127.15	119.90	47.61	23.63	22.65	22.32	22.55	120.76	139.42	137.57	137.75	138.42	135.52	137.13
705.	125.83	118.44	50.49	23.70	23.15	22.85	22.63	119.98	136.95	136.20	136.30	136.55	133.85	134.70
710.	125.58	113.95	48.49	23.87	23.22	22.82	22.52	119.07	133.30	133.62	133.85	134.50	130.51	129.49
715.	122.07	108.39	49.88	24.05	23.42	22.30	22.30	118.34	130.50	130.63	130.34	130.34	127.54	127.66
720.	121.15	110.90	46.29	23.97	22.63	22.35	22.45	117.58	127.29	127.07	126.54	126.60	125.56	125.27

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	119.78	110.32	49.15	23.72	22.90	22.50	22.42	116.78	125.30	125.19	124.80	124.80	124.32	124.54
730.	118.17	110.10	55.80	23.60	22.32	22.22	22.65	116.15	124.30	124.32	123.29	122.90	122.63	123.15
735.	117.44	103.17	45.17	23.25	22.50	22.35	22.32	115.54	122.27	122.61	121.85	121.29	120.68	119.98
740.	115.10	104.54	45.10	23.40	22.57	22.30	22.32	114.56	120.41	120.15	120.07	119.41	117.61	118.22
745.	113.15	102.73	46.61	23.42	22.90	22.45	22.20	113.76	118.58	118.10	118.37	118.19	115.95	115.85
750.	111.37	94.50	49.05	23.92	23.20	22.55	22.47	112.98	117.22	117.19	116.88	116.78	115.02	114.88
755.	109.63	94.86	44.10	23.95	22.77	22.35	22.63	112.22	116.30	116.12	115.83	115.56	114.44	113.44
760.	108.93	87.40	36.76	24.05	23.15	22.25	22.27	111.61	114.76	115.00	114.51	114.15	113.34	112.56
765.	107.56	83.59	37.63	23.67	22.67	22.70	22.77	111.07	113.58	113.61	112.93	112.93	112.32	109.61
770.	106.95	85.95	39.24	23.75	22.60	22.75	22.75	110.39	112.35	111.98	111.22	110.85	108.88	107.56
775.	105.02	85.29	41.19	23.92	23.15	23.00	22.95	109.68	110.78	111.05	110.58	109.02	106.41	106.41
780.	104.37	85.50	42.58	23.85	23.10	22.72	22.82	109.12	110.22	109.68	108.78	107.39	105.12	105.22
785.	102.95	81.45	39.07	23.80	23.40	22.50	22.15	108.56	109.56	109.00	107.98	106.83	104.22	103.10
790.	100.93	81.29	38.80	23.75	23.22	22.45	22.12	107.98	108.51	107.76	106.46	104.98	102.95	101.76
795.	101.05	80.74	45.44	23.95	23.20	22.40	22.15	107.34	107.29	106.39	105.32	103.71	102.29	101.02
800.	97.62	79.14	39.41	23.72	22.90	22.27	22.20	106.83	106.32	105.00	103.98	103.02	100.56	97.36
805.	96.45	79.64	41.17	23.45	22.47	22.30	22.42	106.29	104.38	104.00	102.95	101.17	96.81	96.02
810.	95.86	78.00	45.61	23.45	22.50	22.38	22.39	105.76	103.85	102.80	101.44	100.05	96.36	95.88
815.	94.79	78.69	46.29	23.42	22.67	22.57	22.45	105.29	103.27	101.80	100.63	96.90	95.74	92.38
820.	93.36	77.95	48.88	23.45	22.85	22.42	22.35	104.78	102.41	101.12	97.36	95.93	93.03	91.67
825.	92.29	76.98	44.63	23.52	22.80	22.27	22.40	104.24	101.71	100.19	96.17	94.50	92.76	90.21
830.	91.52	72.07	41.05	23.57	22.77	22.52	22.45	103.85	101.12	97.02	95.50	93.43	91.45	89.31
835.	90.48	72.37	40.95	23.47	22.70	22.57	22.22	103.34	100.37	96.17	94.69	92.57	90.26	86.95
840.	89.67	73.78	41.73	23.47	22.72	22.42	22.25	102.85	97.33	95.57	93.57	91.14	89.24	86.02
845.	89.40	71.76	41.88	23.47	22.57	22.30	22.27	102.46	96.38	94.88	92.95	90.55	88.64	86.05
850.	88.71	70.98	39.83	23.75	23.00	22.32	22.17	102.00	96.33	94.21	91.90	89.86	87.95	84.24
855.	88.19	73.00	44.54	23.52	22.55	22.20	22.25	101.51	95.38	93.40	91.43	88.43	86.90	82.81
860.	86.48	70.22	43.98	23.80	22.38	22.40	22.22	101.15	95.31	92.76	91.14	87.59	86.02	83.29
865.	86.50	70.17	42.22	23.65	22.85	22.42	22.27	100.63	94.45	91.98	90.45	87.24	85.58	82.09
870.	86.88	66.14	41.63	23.57	22.60	22.32	22.38	100.19	93.71	91.29	89.33	86.12	84.38	81.71
875.	85.26	64.05	37.19	23.55	22.82	22.50	22.38	97.45	93.12	90.81	89.00	85.26	83.09	80.52
880.	83.74	65.50	37.93	23.72	23.15	22.65	22.60	97.09	92.74	90.59	88.59	84.90	83.09	79.76
885.	82.45	66.14	38.22	23.82	22.85	22.52	22.40	96.64	92.45	90.00	87.86	84.48	81.69	78.36
890.	83.59	67.02	39.78	23.82	23.50	23.02	22.72	96.21	92.37	89.59	87.52	84.17	80.83	78.88
895.	81.95	65.09	40.71	24.25	23.07	22.77	22.63	95.83	91.76	88.95	86.64	83.12	80.26	78.68
900.	80.71	63.90	37.07	24.25	23.75	23.05	22.97	95.50	91.49	88.45	86.36	82.69	80.26	78.46
905.	80.74	63.26	36.19	24.27	23.22	22.67	22.85	95.12	90.76	88.14	85.76	81.36	79.67	78.15
910.	81.33	61.29	35.24	24.10	23.10	23.07	22.82	94.69	90.26	87.74	85.33	81.12	78.29	76.61
915.	80.98	63.00	36.78	24.13	23.30	23.00	22.82	94.33	89.83	87.45	84.95	81.52	78.45	76.83
920.	79.00	62.14	38.73	24.15	23.60	22.82	22.57	93.95	89.59	87.21	84.52	80.81	78.88	76.12
925.	78.45	60.55	38.05	24.13	23.32	22.45	22.05	93.67	89.39	86.55	83.81	79.95	79.00	74.66
930.	78.24	59.55	40.32	23.87	23.20	22.38	22.12	93.36	88.74	86.33	83.50	79.90	78.51	75.12
935.	79.39	60.40	34.90	23.92	23.47	22.35	22.05	93.07	88.57	85.93	82.74	78.74	78.37	74.80
940.	79.02	58.90	36.83	24.05	23.63	22.45	22.05	92.79	88.21	85.76	82.81	78.79	77.49	73.80
945.	78.78	60.02	37.73	24.15	23.45	22.45	22.25	92.43	87.90	85.52	82.43	78.00	76.90	73.49
950.	78.54	57.90	34.71	24.07	23.65	23.20	22.22	92.07	87.43	85.07	82.26	77.03	76.07	72.54
955.	77.63	58.50	36.10	23.95	23.85	23.10	21.90	91.83	87.29	85.26	82.26	77.74	75.71	73.07
960.	76.34	59.07	33.39	23.92	23.52	22.85	22.30	91.50	86.36	84.81	81.88	79.05	75.29	71.95

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	23.25	23.07	22.95	22.88	22.82	22.75	22.52	22.47	22.27	22.95	24.02	22.27	22.22	22.17
0.	23.25	23.22	22.97	22.88	22.95	22.72	22.52	22.47	22.35	22.95	23.92	22.27	22.47	22.17
0.	23.15	23.15	22.97	22.80	22.90	22.75	22.52	22.45	22.38	23.02	24.02	22.25	22.42	22.17
0.	23.22	23.10	22.97	22.88	22.82	22.77	22.52	22.40	22.40	22.97	24.02	22.17	22.17	22.17
0.	23.17	23.00	22.97	22.85	22.85	22.72	22.50	22.42	22.42	22.97	24.05	22.20	22.15	22.12
0.	23.20	23.02	22.90	22.85	22.95	22.75	22.50	22.35	22.38	23.00	24.05	22.25	22.30	22.10
5.	23.35	23.05	23.05	23.05	22.90	22.88	22.63	22.50	22.40	22.95	23.97	22.27	22.22	22.15
10.	23.60	23.42	23.27	23.15	22.95	22.92	22.72	22.60	22.50	23.02	24.20	22.47	22.55	22.20
15.	25.13	23.87	23.60	23.45	23.20	23.15	22.88	22.75	22.57	23.07	24.52	22.50	22.60	22.30
20.	26.15	25.22	24.57	23.87	23.50	23.45	22.97	22.75	22.75	23.27	24.77	22.63	22.77	22.32
25.	26.52	25.85	24.82	24.05	23.77	23.55	22.95	22.85	22.80	23.42	25.05	22.67	22.90	22.42
30.	30.27	27.42	25.20	24.20	24.07	23.90	23.13	22.88	22.85	23.60	25.42	22.82	23.13	22.42
35.	34.73	32.02	25.35	24.67	24.55	24.35	23.27	23.20	22.97	24.17	26.27	22.95	22.90	22.35
40.	39.17	33.44	28.00	25.97	25.77	26.17	24.02	23.52	23.15	25.72	27.57	23.20	23.00	22.40
45.	47.56	36.90	32.00	29.13	28.05	29.35	24.97	24.02	23.55	28.72	29.52	23.45	23.40	22.47
50.	56.68	43.12	37.29	32.98	30.80	31.34	25.88	24.70	24.22	31.54	31.24	24.15	24.02	22.57
55.	71.29	58.93	44.76	37.46	34.15	34.24	27.12	25.88	25.17	35.54	35.32	25.27	25.05	22.72
60.	87.48	74.07	53.17	41.00	34.80	33.68	28.20	26.22	26.72	38.83	37.95	25.10	26.55	22.92
65.	105.85	85.90	60.81	45.44	38.27	34.15	28.47	26.80	27.92	42.05	41.19	25.42	26.27	23.00
70.	121.76	107.61	78.31	52.12	43.00	36.49	29.60	27.55	27.20	45.98	44.66	25.90	25.85	23.22
75.	142.30	116.76	93.95	53.10	46.95	40.76	30.46	28.35	28.02	49.39	48.95	26.90	27.17	23.45
80.	155.97	142.10	109.93	56.17	48.71	42.12	31.93	29.47	29.51	54.22	52.90	27.60	27.90	23.72
85.	168.97	154.77	129.44	64.36	47.95	46.29	31.54	29.76	30.78	58.81	58.36	28.35	29.77	24.07
90.	185.00	166.60	138.30	75.05	56.37	47.44	33.27	30.02	30.82	62.86	64.19	28.25	29.32	24.63
95.	187.40	169.15	146.97	87.07	58.24	51.68	35.88	31.22	30.58	67.59	72.66	29.17	29.62	25.07
100.	196.32	181.37	160.05	85.50	62.33	57.93	37.58	32.10	31.51	74.05	77.08	29.46	29.58	25.70
105.	199.17	187.90	161.95	84.93	64.26	57.78	40.83	33.17	33.29	78.81	79.76	31.61	32.07	26.45
110.	204.73	197.77	173.60	92.43	69.73	59.93	43.15	35.98	34.80	78.81	83.14	31.76	31.85	27.25
115.	200.27	193.85	176.42	110.68	78.71	62.74	43.76	34.61	33.27	83.05	86.67	31.83	32.49	27.85
120.	207.63	197.65	179.57	111.27	78.64	62.62	44.05	36.17	35.58	88.69	89.36	31.71	31.27	28.35
125.	217.32	205.98	199.95	128.39	83.09	72.24	48.22	36.56	38.73	93.55	92.81	34.17	33.90	28.70
130.	230.72	207.76	200.77	158.60	85.76	76.78	49.68	35.61	39.32	102.27	100.32	36.83	36.07	29.45
135.	233.61	221.80	200.07	172.13	91.48	77.73	53.07	39.19	40.85	106.27	104.05	37.17	35.56	29.54
140.	237.90	226.00	205.22	178.42	105.51	83.02	53.98	42.73	41.38	111.24	108.39	37.29	37.10	30.27
145.	247.63	232.95	217.35	189.82	111.56	89.69	59.74	44.17	41.12	116.71	114.49	38.73	38.54	31.10
150.	238.37	229.15	221.95	196.85	121.66	98.93	63.00	48.85	46.25	120.39	119.46	42.39	41.29	32.44
155.	241.88	231.34	222.92	202.12	129.34	101.63	72.61	52.71	45.19	120.73	122.95	43.95	43.68	33.78
160.	249.90	239.88	223.35	201.97	134.20	97.57	72.39	52.19	47.78	119.29	123.90	43.54	41.10	35.24
165.	246.34	235.95	224.80	198.37	142.57	96.90	73.58	49.95	45.10	121.51	125.93	42.10	41.29	36.08
170.	254.71	232.68	224.82	202.90	128.46	109.19	74.49	51.19	48.34	123.83	129.12	46.49	44.61	36.76
175.	239.76	228.34	219.10	200.92	127.15	103.80	79.12	59.17	50.25	123.15	134.25	48.46	48.90	38.00
180.	246.10	233.15	220.55	202.32	138.80	97.43	75.41	60.19	49.56	119.41	135.75	49.71	48.61	38.93
185.	238.49	232.47	216.17	196.70	151.20	102.78	77.73	58.93	54.22	113.71	136.65	50.71	50.58	40.56
190.	233.24	229.77	207.73	191.72	140.80	103.61	73.93	57.61	51.76	109.24	136.65	45.80	45.10	41.22
195.	234.39	227.38	216.72	189.20	129.78	91.86	73.17	60.12	51.19	110.05	137.13	48.93	49.50	41.61
200.	228.02	222.02	205.90	190.65	125.02	90.19	75.29	56.66	51.49	109.46	136.95	45.73	43.41	42.02
205.	228.22	215.15	202.61	186.45	118.80	84.24	72.00	57.51	49.71	105.12	136.97	45.60	44.66	41.73
210.	231.88	230.38	216.25	188.87	129.58	100.37	73.00	58.05	50.70	104.02	137.67	47.34	50.10	41.27
215.	231.70	223.20	216.52	196.95	133.95	106.05	75.95	56.63	53.51	112.58	139.05	50.98	51.71	41.24
220.	235.46	230.02	221.32	196.15	140.88	95.52	79.24	60.36	54.15	118.63	140.07	53.24	53.37	41.32

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	243.34	237.58	229.25	201.41	140.10	102.98	75.73	61.38	54.27	118.95	141.25	49.19	49.58	41.73
230.	235.73	230.78	228.22	201.51	144.02	96.57	75.51	58.07	52.10	119.46	143.60	45.49	47.12	42.05
235.	242.76	233.93	221.22	194.32	145.63	100.46	75.98	54.07	50.56	117.46	143.95	48.51	49.07	42.00
240.	234.66	229.22	203.24	182.07	137.45	95.24	75.51	57.88	53.49	114.71	143.92	50.61	50.29	42.17
245.	230.90	223.50	204.88	189.02	128.78	109.61	73.93	55.32	51.93	113.66	144.70	47.29	47.49	42.05
250.	231.42	217.45	205.37	187.07	126.71	91.31	72.29	57.39	52.90	111.19	144.50	45.76	48.44	42.61
255.	231.70	213.75	201.03	189.20	122.70	101.76	70.12	57.32	49.10	111.76	141.92	47.12	49.27	42.22
260.	232.55	219.17	205.98	183.50	121.34	100.05	77.07	56.22	52.02	114.60	145.22	49.70	50.63	42.05
265.	231.34	230.87	217.72	189.65	122.37	109.54	73.32	50.46	51.53	118.19	145.82	49.63	50.56	42.27
270.	232.07	223.07	218.12	189.00	122.90	109.56	75.90	58.74	55.02	121.34	147.75	53.05	54.51	42.34
275.	233.05	225.40	216.50	189.75	116.49	92.24	71.56	59.14	53.30	123.66	148.02	51.03	54.17	43.10
280.	233.17	220.95	215.12	190.75	116.80	95.62	73.58	57.19	53.34	119.17	149.22	48.85	51.24	43.34
285.	232.38	222.47	216.30	190.50	133.89	92.95	75.85	56.66	51.22	119.10	150.02	49.80	50.20	43.02
290.	228.77	220.15	214.75	190.05	129.46	93.40	74.15	58.32	52.17	117.83	150.65	47.32	49.70	42.85
295.	224.05	214.52	205.63	169.45	124.22	90.83	73.24	54.12	50.32	118.85	151.20	46.34	49.80	42.93
300.	228.37	222.05	202.66	167.70	112.80	91.05	65.62	56.51	52.58	115.37	149.85	47.12	51.12	42.93
305.	225.63	214.80	201.30	166.88	111.98	89.07	64.00	52.88	49.95	113.66	148.82	43.19	47.46	42.41
310.	222.00	206.88	199.82	161.02	116.41	82.86	65.31	52.46	49.33	109.66	148.12	47.80	49.22	41.66
315.	215.25	202.45	195.38	134.57	113.58	79.21	62.21	53.58	51.22	108.58	147.95	48.00	50.22	41.85
320.	216.07	198.76	192.00	126.76	105.93	81.71	59.67	54.15	51.38	106.32	146.85	48.63	50.66	41.83
325.	202.83	200.15	187.95	127.22	109.61	80.24	59.43	53.58	50.37	105.29	145.95	47.00	49.46	41.85
330.	207.34	197.35	188.67	125.80	106.58	77.00	58.98	54.78	53.24	105.37	145.22	48.85	49.17	41.93
335.	205.17	201.07	189.13	128.88	105.29	75.58	59.83	54.85	51.80	103.24	145.27	47.71	49.80	41.61
340.	216.52	198.34	191.92	146.38	103.95	80.76	62.69	52.68	52.17	106.00	145.40	48.58	49.61	41.49
345.	216.10	199.17	198.00	158.25	109.56	89.67	65.64	47.76	52.37	112.66	145.70	47.24	49.78	41.41
350.	215.92	199.90	200.35	168.85	108.39	85.81	61.36	53.90	53.12	111.51	147.47	49.85	55.22	41.41
355.	221.52	202.63	199.76	176.27	105.10	89.69	64.93	54.98	54.58	115.68	148.17	48.66	53.41	41.71
360.	225.52	216.97	200.34	181.85	112.00	88.07	67.00	54.76	53.70	112.88	148.37	51.98	54.71	41.78
365.	218.47	207.58	202.63	184.97	113.98	92.98	71.90	53.51	54.29	116.61	149.02	51.58	53.51	42.00
370.	231.00	226.42	214.55	189.82	117.07	96.95	72.83	55.56	53.90	119.83	150.22	50.29	53.88	41.95
375.	224.70	216.50	207.78	191.57	113.61	93.50	72.34	55.88	55.70	121.54	150.92	52.93	56.29	41.93
380.	224.82	215.00	206.61	188.77	122.76	93.19	72.85	59.38	58.44	119.41	152.17	52.05	54.68	42.37
385.	219.97	215.47	215.72	193.85	123.54	88.88	77.01	56.27	57.29	122.61	152.13	54.22	54.85	42.56
390.	225.55	214.30	214.60	197.27	129.46	96.45	79.26	53.90	54.82	123.22	152.30	51.49	55.54	42.88
395.	227.57	218.82	214.20	190.72	135.77	95.90	78.93	59.40	56.15	121.22	152.75	56.19	57.83	43.32
400.	232.97	222.45	215.17	188.65	127.80	94.90	75.90	57.27	57.51	121.02	154.13	50.22	53.68	44.24
405.	230.35	219.65	215.65	190.47	120.85	103.71	78.24	58.73	56.38	124.83	155.25	54.83	57.51	44.34
410.	226.37	217.97	215.57	194.65	121.05	103.88	75.00	60.26	57.51	122.63	156.67	54.37	55.73	44.68
415.	225.45	216.82	204.46	179.20	125.24	95.09	71.88	55.51	54.53	120.46	156.47	50.98	53.27	44.78
420.	219.92	207.34	202.29	179.90	121.56	92.43	75.51	58.24	55.56	115.49	157.45	51.27	54.19	44.95
425.	221.67	206.73	203.17	177.77	119.17	91.76	71.51	59.50	54.15	114.07	156.62	51.34	53.90	44.71
430.	221.77	206.24	199.85	177.02	119.88	94.76	74.95	58.07	54.95	115.66	155.67	50.00	52.39	44.32
435.	206.39	198.34	195.05	175.50	106.27	91.31	72.22	55.37	53.30	115.46	154.30	51.46	51.90	43.85
440.	200.07	198.67	194.82	172.42	109.54	91.74	67.33	56.61	53.29	111.24	153.75	49.10	51.78	44.10
445.	204.93	200.80	192.50	160.92	110.66	89.48	72.12	58.73	54.56	109.05	153.50	51.83	52.83	44.10
450.	200.49	198.32	192.38	159.10	105.44	86.19	67.38	56.17	54.27	110.54	152.90	51.44	55.07	43.73
455.	199.51	195.82	190.15	157.22	110.19	85.36	65.50	55.29	53.33	108.51	152.42	51.90	50.39	43.41
460.	199.37	196.52	191.80	144.35	110.88	89.82	71.15	57.24	53.73	107.05	151.32	49.10	49.71	43.22
465.	203.20	197.50	191.05	144.82	107.56	86.36	74.22	58.24	54.15	106.76	151.27	53.60	56.68	43.37
470.	198.66	192.85	186.50	141.60	105.85	84.93	67.76	55.98	53.32	108.51	150.57	47.46	49.41	43.63

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	196.87	192.00	187.47	137.40	106.17	86.95	69.78	56.15	53.15	106.02	149.97	49.05	51.32	43.39
480.	197.65	192.12	185.50	136.47	101.78	81.59	72.22	56.24	53.51	105.22	149.27	48.12	50.80	43.49
485.	198.32	191.32	186.32	141.52	96.62	80.48	65.36	54.83	52.90	105.63	148.42	51.34	52.90	43.76
490.	194.02	189.52	187.47	138.63	91.19	79.74	67.31	53.41	52.44	102.80	147.60	47.37	49.17	43.88
495.	191.63	183.80	178.32	122.68	101.58	79.24	65.40	54.76	54.33	103.41	147.17	51.78	55.49	43.50
500.	189.85	185.42	175.95	117.71	96.55	80.43	63.74	54.95	50.73	104.19	146.52	50.29	53.49	43.61
505.	188.50	184.30	173.55	119.32	97.21	79.79	59.07	53.73	51.93	102.22	145.75	49.49	51.34	43.41
510.	191.07	180.10	172.22	117.41	92.36	73.85	58.09	53.00	51.35	100.39	145.25	48.51	49.73	43.68
515.	184.92	176.72	169.62	115.39	95.24	78.32	62.57	52.98	50.17	93.29	144.42	46.32	46.66	43.34
520.	185.77	181.17	170.32	110.63	91.76	75.83	61.26	54.71	52.12	94.79	144.12	50.56	52.61	42.93
525.	187.07	175.75	168.02	111.58	92.62	74.22	59.64	55.15	53.17	96.59	143.32	50.07	52.61	43.07
530.	189.72	178.50	170.42	110.78	93.81	73.88	57.98	52.41	50.56	94.95	142.65	49.19	51.54	43.05
535.	181.15	173.42	164.65	110.39	89.79	73.24	60.40	51.41	51.51	101.68	141.95	48.88	51.24	43.19
540.	180.82	176.67	168.65	104.37	90.57	74.78	59.22	49.95	48.56	100.78	141.75	51.17	53.22	42.93
545.	180.60	176.60	165.10	104.00	92.81	72.78	59.00	50.17	49.29	95.52	141.30	45.37	48.32	42.49
550.	176.92	175.27	157.17	105.44	84.00	73.90	59.19	50.98	49.15	97.12	140.55	46.29	52.76	42.10
555.	175.15	171.47	157.30	102.44	82.09	74.95	60.07	51.37	48.35	96.52	139.65	45.56	46.39	41.98
560.	174.05	167.75	152.85	97.07	73.68	74.76	58.95	51.44	51.34	94.81	138.80	46.39	49.93	41.71
565.	171.55	166.63	151.10	91.00	79.37	70.27	57.12	51.29	48.37	92.17	138.10	47.44	50.12	41.71
570.	170.02	161.20	148.80	90.38	82.17	72.29	54.49	50.78	50.38	91.57	137.63	44.68	49.29	42.24
575.	166.42	157.45	147.88	91.52	83.88	71.37	55.02	47.15	48.78	90.69	136.67	46.58	48.44	42.07
580.	167.07	163.27	140.05	88.88	85.07	67.02	55.88	49.15	48.58	89.05	136.00	44.80	50.22	41.68
585.	165.75	153.82	138.65	86.98	82.81	65.14	51.88	48.00	49.41	87.26	135.17	48.37	48.73	41.66
590.	163.22	154.13	137.80	84.24	78.31	62.74	52.41	48.12	50.46	87.62	134.47	45.37	50.22	41.80
595.	161.25	149.07	133.70	84.00	79.41	61.24	52.90	47.39	46.56	87.79	133.75	45.56	47.22	41.54
600.	160.50	148.42	124.10	86.52	79.52	62.81	51.03	46.27	48.49	85.90	129.85	42.56	46.22	41.17
605.	159.52	147.32	124.85	85.98	80.09	63.50	55.61	47.73	47.63	86.19	129.02	46.78	47.71	41.00
610.	158.70	149.45	128.34	83.07	76.80	62.55	53.39	46.27	48.39	84.88	128.37	47.00	50.49	40.66
615.	155.22	146.63	133.72	83.38	75.93	63.71	54.32	47.15	45.76	84.21	127.80	43.37	43.60	40.54
620.	155.57	147.80	129.15	81.52	75.61	65.36	55.63	46.58	45.32	85.09	127.19	49.02	50.76	40.49
625.	155.55	144.02	128.34	81.57	78.56	64.76	54.10	46.56	44.83	83.14	126.54	45.98	46.34	40.07
630.	155.07	140.97	126.12	87.19	78.29	63.07	53.07	45.83	46.32	82.64	125.80	43.44	46.90	39.80
635.	153.70	145.82	121.56	81.88	76.37	61.64	52.05	44.98	44.30	81.31	125.24	43.80	43.80	39.56
640.	148.65	141.32	122.41	79.31	74.17	64.64	52.93	44.98	43.58	80.88	124.68	43.27	44.83	39.24
645.	149.22	141.42	114.00	79.36	74.85	60.76	52.68	45.63	45.44	79.52	123.93	45.07	45.27	39.41
650.	148.10	137.85	114.88	79.34	74.05	59.33	51.15	44.41	44.76	77.64	123.27	42.71	43.83	39.49
655.	147.85	133.45	114.76	77.85	73.90	60.19	50.37	45.71	44.56	79.59	122.51	43.10	46.78	39.12
660.	145.07	133.27	115.61	77.54	75.22	58.58	50.27	45.76	45.39	79.64	121.80	40.66	43.17	39.32
665.	143.82	137.15	115.61	76.90	72.37	59.82	48.83	44.71	45.29	79.10	121.34	44.71	44.58	39.68
670.	141.50	135.50	111.73	78.33	72.24	58.64	49.63	44.88	44.39	79.12	120.76	42.51	45.80	39.44
675.	142.75	133.42	107.00	78.66	71.73	58.15	49.41	44.65	46.27	79.17	120.22	42.07	44.88	39.29
680.	142.25	126.10	107.66	75.63	69.63	58.58	48.80	45.46	44.23	78.61	119.56	44.51	43.98	38.83
685.	140.75	123.56	104.90	74.51	66.14	55.66	47.66	43.78	44.30	79.29	119.07	40.95	44.24	38.73
690.	137.90	122.19	103.73	75.88	71.68	56.61	47.10	42.51	46.24	78.07	118.44	42.66	44.90	38.68
695.	135.82	122.44	100.58	73.78	67.83	57.22	47.58	42.83	44.78	77.68	117.68	41.17	43.49	38.76
700.	134.88	119.02	100.78	73.51	65.98	56.83	45.10	41.95	42.56	76.90	116.98	40.15	40.02	38.51
705.	128.78	119.76	95.14	76.17	65.33	56.19	45.51	42.51	43.27	77.24	116.22	42.46	42.78	38.44
710.	125.73	115.66	92.09	72.19	66.88	56.61	45.37	42.66	43.35	74.19	115.39	39.19	40.90	38.22
715.	121.61	115.12	91.86	70.41	64.26	52.27	45.32	43.00	44.32	74.00	114.58	41.88	42.56	37.90
720.	120.27	112.00	87.52	70.19	63.83	52.63	45.85	41.90	41.58	73.49	113.95	40.56	42.37	37.93

PRC12-P-1-1/4

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	120.63	105.95	86.71	66.38	65.05	55.19	45.10	42.10	40.93	72.34	113.39	38.63	38.88	37.78
730.	119.41	102.51	84.36	65.93	59.12	53.29	45.76	41.17	41.12	71.83	112.78	39.76	40.32	37.78
735.	115.88	103.46	82.40	65.57	61.79	52.83	45.19	41.00	40.58	70.27	112.32	37.88	39.29	37.49
740.	114.29	104.44	82.24	63.71	61.71	53.80	44.02	40.00	41.05	69.85	111.32	39.95	40.19	37.27
745.	112.58	101.29	80.93	65.50	62.69	52.05	43.44	40.39	39.56	67.40	110.66	38.27	38.93	37.12
750.	108.73	93.88	78.98	63.95	61.45	49.46	42.73	40.58	39.73	66.24	109.89	41.56	41.00	36.76
755.	108.61	91.48	80.88	62.24	57.61	49.29	41.80	39.83	40.50	66.17	109.24	39.50	39.00	36.95
760.	105.07	89.26	78.93	62.55	57.63	50.83	41.93	39.66	39.46	66.24	108.66	38.07	40.78	36.68
765.	102.54	88.67	78.26	61.79	58.26	49.15	42.29	39.63	37.27	63.98	107.95	36.24	36.71	36.39
770.	100.95	89.64	78.12	60.76	58.83	51.73	41.95	39.41	38.32	63.26	107.32	38.51	38.83	36.49
775.	96.50	86.24	77.17	59.93	57.86	50.83	43.41	38.78	39.73	63.52	106.88	39.29	39.83	36.37
780.	97.36	83.43	77.32	60.31	59.52	47.49	41.88	39.54	39.95	63.50	106.15	39.44	39.05	36.32
785.	94.17	84.52	76.63	60.45	58.98	50.12	41.29	39.34	38.90	63.55	105.54	38.24	37.95	36.00
790.	93.24	81.14	74.37	61.12	56.44	49.58	41.34	39.44	38.24	62.38	104.95	38.12	37.71	35.85
795.	91.79	80.50	76.00	59.69	57.78	48.54	41.22	39.12	37.83	61.19	104.46	37.29	37.56	35.56
800.	91.14	79.74	73.51	58.19	56.39	47.76	40.51	38.61	38.29	61.02	103.80	39.05	39.80	35.46
805.	89.86	80.21	72.51	58.33	57.05	46.61	40.46	38.63	38.54	60.81	103.29	36.76	37.63	35.39
810.	88.95	78.71	72.44	58.56	57.07	46.49	39.03	37.12	37.37	59.05	102.83	36.88	36.90	35.07
815.	86.62	77.93	71.56	59.12	56.32	45.32	39.80	37.27	38.12	58.38	102.22	37.15	38.98	34.88
820.	85.52	74.78	70.85	58.19	56.54	45.93	39.73	37.68	37.73	58.79	101.78	36.80	36.71	34.93
825.	84.05	74.34	67.00	56.58	53.46	45.66	39.29	36.66	36.41	58.00	101.29	38.19	36.95	34.71
830.	83.57	75.54	65.29	54.54	54.51	45.54	39.05	37.44	36.53	57.86	100.73	35.95	35.93	34.56
835.	82.17	74.71	64.00	56.83	54.05	44.54	39.37	36.71	36.24	58.14	100.32	37.07	35.71	34.29
840.	80.09	72.02	63.29	56.56	53.46	45.78	37.85	36.95	36.10	58.61	97.38	35.03	36.66	34.17
845.	79.64	72.66	64.76	55.54	53.68	43.83	39.19	36.34	36.15	58.63	96.93	36.88	37.85	34.17
850.	79.29	72.49	63.90	55.29	52.66	43.98	39.44	36.37	37.12	58.05	96.55	35.88	35.24	34.32
855.	77.83	70.76	64.26	54.54	53.66	44.56	37.22	35.58	36.41	57.44	96.05	35.05	35.71	33.95
860.	78.17	66.48	63.36	54.54	52.54	43.41	35.78	36.05	37.15	57.27	95.62	35.39	36.61	33.73
865.	78.43	66.88	61.69	55.27	52.51	42.93	35.85	36.07	35.90	55.37	95.19	34.93	35.10	33.58
870.	77.76	66.83	62.31	54.71	51.61	42.54	39.22	35.39	35.88	55.88	94.71	34.41	36.73	33.39
875.	76.68	69.56	62.07	53.83	52.71	41.02	39.54	35.80	36.38	55.49	94.38	35.32	37.00	33.44
880.	74.71	66.38	60.40	53.27	52.29	41.63	37.32	35.61	36.51	54.19	93.98	34.05	35.41	33.34
885.	75.32	65.95	59.74	53.66	51.95	41.93	35.68	34.80	36.07	54.56	93.57	34.15	34.05	32.90
890.	74.76	65.40	60.33	53.32	51.37	41.00	35.76	34.83	35.90	54.51	93.24	33.98	35.12	32.78
895.	74.83	65.02	60.90	52.90	51.39	42.17	35.15	34.78	35.54	54.44	92.81	33.73	33.83	32.68
900.	74.90	63.17	59.69	52.54	50.22	41.61	35.56	34.90	36.07	54.71	92.55	33.90	36.37	32.73
905.	72.10	64.24	59.64	51.46	49.98	41.71	35.51	34.63	36.51	55.22	92.14	35.12	36.32	32.76
910.	73.05	63.31	59.95	53.58	50.39	43.02	35.12	35.10	35.39	53.80	91.79	33.07	34.05	32.73
915.	72.19	62.02	59.38	53.34	50.85	41.68	35.24	34.98	34.38	53.10	91.45	34.10	34.80	32.56
920.	71.15	63.45	57.98	52.76	50.93	41.39	35.05	34.85	35.56	52.41	91.14	33.15	36.24	32.58
925.	71.07	61.79	59.10	51.71	48.88	40.93	35.00	35.00	34.78	51.73	90.79	33.46	34.73	32.46
930.	70.46	62.50	58.02	51.41	49.51	41.32	35.51	34.76	34.12	52.56	90.50	34.73	33.41	32.46
935.	69.93	61.64	59.17	52.29	49.44	40.71	35.70	34.83	34.32	52.83	90.19	32.93	34.05	32.41
940.	71.24	60.62	58.71	52.22	49.63	40.95	35.58	34.54	34.58	52.07	89.83	32.98	34.32	32.32
945.	69.83	61.02	59.19	51.85	49.12	39.37	35.00	34.90	34.17	51.80	89.55	32.80	33.83	32.29
950.	67.14	60.64	57.88	52.12	49.02	40.56	34.93	34.46	35.46	51.02	89.29	34.07	35.07	32.15
955.	65.62	59.88	59.02	51.73	48.89	40.71	35.58	34.15	36.02	51.46	88.98	34.00	34.68	32.15
960.	65.98	59.08	58.00	50.76	49.15	40.27	35.29	34.95	35.56	50.88	88.76	32.19	34.95	32.12

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	22.50	22.60	19.36	3159.08	0.00	-0.01	-3.01	0.20	0.30	0.00	0.00	0.00	21.00	-1.51
0.	22.55	22.82	29.57	3167.73	0.00	-0.01	-3.01	-0.09	0.30	0.00	0.00	0.00	21.00	1.11
0.	22.55	22.80	40.04	3185.04	0.00	-0.01	-3.01	-0.13	0.30	0.00	0.00	0.00	20.99	-1.01
0.	22.60	22.60	50.28	3167.73	0.00	-0.01	-3.01	-0.15	0.30	0.00	0.00	0.00	20.99	1.13
0.	22.65	22.60	59.55	3133.11	0.01	-0.01	-3.01	-0.21	0.30	0.00	0.00	0.00	20.98	-1.45
0.	22.55	22.77	69.77	3187.92	0.00	-0.01	-3.01	-0.16	0.30	0.00	0.00	0.00	20.98	1.73
5.	22.70	22.70	10.12	3193.70	0.00	-0.01	-3.02	0.07	0.30	0.00	0.00	0.00	20.83	-0.06
10.	22.80	22.88	19.35	3182.15	0.00	-0.01	-3.02	0.16	0.30	0.00	0.00	0.00	20.85	-0.93
15.	23.27	23.10	29.58	3182.15	0.00	-0.01	-3.01	0.11	0.30	0.00	0.00	0.00	20.84	-0.66
20.	23.45	23.72	40.05	3211.00	0.00	-0.01	-3.01	-0.17	0.30	0.00	0.00	0.00	20.79	0.57
25.	23.45	23.75	50.28	3211.00	0.00	-0.01	-3.00	-0.20	0.30	0.00	0.00	0.00	20.74	0.35
30.	23.55	23.60	59.55	3185.04	0.01	-0.01	-3.00	-0.25	0.30	0.00	0.00	0.00	20.71	0.64
35.	23.57	23.77	69.78	3196.58	0.02	-0.01	3.01	-0.25	0.30	0.00	0.00	0.00	20.66	0.87
40.	24.40	24.30	10.12	3170.61	0.04	0.00	3.05	0.95	0.30	0.00	0.00	0.00	20.60	2.03
45.	26.50	25.97	19.36	3193.70	0.07	0.01	3.10	0.86	0.30	0.00	0.00	0.00	20.49	2.99
50.	27.82	27.42	29.59	3167.73	0.09	0.01	3.13	0.12	0.30	0.00	0.00	0.00	20.34	4.85
55.	29.29	29.62	40.06	3112.92	0.11	0.02	3.16	-0.22	0.30	0.00	0.00	0.00	20.09	3.73
60.	30.54	32.58	50.28	3118.69	0.11	0.02	3.21	-0.40	0.30	0.00	0.00	0.00	19.78	3.35
65.	30.27	32.02	59.55	3086.95	0.13	0.03	3.25	-0.49	0.30	0.00	0.00	0.00	19.46	5.33
70.	31.71	32.68	69.76	3075.41	0.15	0.02	3.27	-0.55	0.30	0.00	0.00	0.00	19.15	5.62
75.	33.93	35.44	10.12	3046.56	0.17	0.02	3.30	2.43	0.30	0.00	0.00	0.00	18.83	4.29
80.	35.00	36.85	19.35	3040.79	0.21	0.03	3.38	2.10	0.30	0.00	0.00	0.00	18.67	3.69
85.	36.85	41.98	29.58	2994.63	0.23	0.04	3.47	0.18	0.30	0.00	0.00	0.00	18.38	3.72
90.	38.46	41.83	40.05	2977.32	0.27	0.04	3.51	-0.55	0.30	0.00	0.00	0.00	18.07	6.95
95.	39.85	42.78	50.28	2936.93	0.29	0.04	3.61	-0.76	0.30	0.00	0.00	0.00	17.65	5.45
100.	42.95	46.05	59.55	2916.73	0.28	0.04	3.65	-0.84	0.30	0.00	0.00	0.00	17.21	8.22
105.	42.90	46.10	69.78	2873.46	0.31	0.04	3.67	-0.84	0.30	0.00	0.00	0.00	16.92	5.84
110.	45.49	46.61	10.12	2824.41	0.34	0.04	3.65	2.84	0.30	0.00	0.00	0.00	16.65	7.38
115.	50.12	50.83	19.36	2798.45	0.35	0.04	3.61	2.49	0.30	0.00	0.00	0.00	16.56	7.45
120.	56.90	56.29	29.58	2775.37	0.37	0.04	3.69	0.94	0.30	0.00	0.00	0.00	16.49	9.21
125.	58.90	59.52	40.05	2714.78	0.42	0.05	3.77	-0.73	0.30	0.00	0.00	0.00	16.34	5.71
130.	65.12	66.31	50.28	2688.82	0.44	0.05	3.80	-0.92	0.30	0.00	0.00	0.00	16.13	8.38
135.	71.41	74.88	59.54	2665.74	0.44	0.05	3.82	-1.04	0.30	0.00	0.00	0.00	16.14	7.81
140.	77.78	80.95	69.77	2610.92	0.50	0.04	3.88	-0.99	0.30	0.00	0.00	0.00	15.98	7.49
145.	80.45	86.21	10.11	2567.65	0.54	0.05	3.92	2.73	0.30	0.00	0.00	0.00	15.75	7.55
150.	110.24	108.65	19.35	2547.46	0.52	0.05	3.97	2.09	0.30	0.00	0.00	0.00	15.67	8.03
155.	118.22	120.32	29.58	2501.29	0.49	0.04	3.91	1.63	0.30	0.00	0.00	0.00	15.50	9.20
160.	108.34	125.66	40.05	2463.79	0.47	0.05	3.92	-0.72	0.30	0.00	0.00	0.00	15.52	7.23
165.	112.05	126.02	50.28	2460.90	0.45	0.04	3.91	-1.08	0.30	0.00	0.00	0.00	15.48	5.60
170.	120.54	125.76	59.55	2365.70	0.43	0.04	3.85	-1.17	0.30	0.00	0.00	0.00	15.27	6.25
175.	119.44	118.71	69.78	2339.73	0.42	0.04	3.92	-1.13	0.30	0.00	0.00	0.00	15.41	7.84
180.	121.27	129.15	10.12	2310.88	0.42	0.04	3.94	3.26	0.30	0.00	0.00	0.00	15.58	8.83
185.	133.75	142.80	19.36	2305.11	0.41	0.04	3.88	2.63	0.30	0.00	0.00	0.00	15.77	9.38
190.	97.02	118.85	29.59	2241.65	0.40	0.04	3.73	0.88	0.30	0.00	0.00	0.00	15.68	8.84
195.	106.00	114.10	40.06	2227.22	0.38	0.04	3.76	-0.86	0.30	0.00	0.00	0.00	15.56	5.72
200.	93.81	104.27	50.27	2186.83	0.37	0.04	3.70	-1.07	0.30	0.00	0.00	0.00	15.60	7.04
205.	105.63	112.88	59.55	2152.21	0.38	0.03	3.65	-1.07	0.30	0.00	0.00	0.00	15.79	4.83
210.	120.66	121.24	69.77	2123.36	0.42	0.03	3.78	-1.03	0.30	0.00	0.00	0.00	16.17	7.89
215.	113.34	119.95	10.12	2134.90	0.45	0.03	3.74	3.31	0.30	0.00	0.00	0.00	16.28	6.14
220.	114.44	122.93	19.36	2039.69	0.47	0.03	3.76	2.74	0.30	0.00	0.00	0.00	16.33	6.86

TIME	28	29	30	31	32	33	34	35	35	37	38	39	40	41
225.	111.49	137.07	29.58	2054.12	0.49	0.03	3.77	1.59	0.30	0.00	0.00	0.00	16.37	8.09
230.	118.39	138.05	40.05	2010.84	0.40	0.03	3.73	-0.80	0.30	0.00	0.00	0.00	16.25	4.71
235.	119.32	122.63	50.28	1996.42	0.38	0.03	3.72	-1.10	0.30	0.00	0.00	0.00	16.28	9.18
240.	104.15	109.95	59.55	1967.57	0.42	0.03	3.73	-1.13	0.30	0.00	0.00	0.00	16.38	3.86
245.	114.19	114.71	69.77	1930.06	0.37	0.03	3.67	-1.13	0.30	0.00	0.00	0.00	16.21	5.38
250.	88.74	102.22	10.12	1921.41	0.37	0.03	3.72	3.09	0.30	0.00	0.00	0.00	16.25	6.94
255.	89.79	93.05	19.37	1886.79	0.41	0.03	3.69	2.59	0.30	0.00	0.00	0.00	16.61	8.70
260.	101.46	103.49	29.59	1846.40	0.42	0.03	3.73	1.47	0.30	0.00	0.00	0.00	16.46	6.63
265.	104.37	113.93	40.05	1809.89	0.45	0.03	3.68	-0.75	0.30	0.00	0.00	0.00	16.47	5.97
270.	106.80	111.61	50.27	1777.16	0.44	0.03	3.70	-1.03	0.30	0.00	0.00	0.00	16.50	8.27
275.	95.95	106.58	59.54	1785.82	0.41	0.02	3.74	-1.06	0.30	0.00	0.00	0.00	16.65	7.04
280.	102.29	107.73	69.77	1745.42	0.41	0.02	3.73	-1.14	0.30	0.00	0.00	0.00	16.70	8.80
285.	111.71	107.44	10.11	1702.15	0.40	0.02	3.74	3.00	0.30	0.00	0.00	0.00	16.48	8.05
290.	100.39	104.17	19.36	1713.69	0.40	0.03	3.70	2.54	0.30	0.00	0.00	0.00	16.40	6.71
295.	89.45	89.67	29.59	1684.84	0.36	0.02	3.68	0.95	0.30	0.00	0.00	0.00	16.51	5.51
300.	85.50	86.83	40.04	1641.57	0.35	0.02	3.63	-0.85	0.30	0.00	0.00	0.00	16.53	6.74
305.	87.93	91.36	50.28	1638.68	0.35	0.02	3.60	-1.00	0.30	0.00	0.00	0.00	16.66	6.77
310.	85.00	81.86	59.54	1601.18	0.33	0.02	3.61	-1.09	0.30	0.00	0.00	0.00	16.72	7.76
315.	79.40	78.95	69.78	1578.09	0.34	0.02	3.61	-1.07	0.30	0.00	0.00	0.00	16.78	6.65
320.	76.58	77.98	10.12	1549.24	0.32	0.02	3.53	3.08	0.30	0.00	0.00	0.00	16.86	6.34
325.	76.19	77.12	19.36	1549.24	0.34	0.02	3.52	2.39	0.30	0.00	0.00	0.00	16.92	7.00
330.	77.73	75.56	29.59	1520.40	0.33	0.02	3.57	1.09	0.30	0.00	0.00	0.00	17.09	7.11
335.	74.88	74.71	40.05	1491.55	0.33	0.02	3.54	-0.77	0.30	0.00	0.00	0.00	17.10	6.37
340.	78.93	78.69	50.28	1474.23	0.38	0.02	3.54	-0.92	0.30	0.00	0.00	0.00	17.11	7.42
345.	92.57	89.45	59.54	1425.19	0.38	0.02	3.52	-1.06	0.30	0.00	0.00	0.00	17.15	6.63
350.	81.12	84.50	69.76	1430.96	0.41	0.02	3.58	-0.97	0.30	0.00	0.00	0.00	17.25	7.96
355.	89.05	86.24	10.11	1413.65	0.39	0.02	3.58	2.93	0.30	0.00	0.00	0.00	17.37	7.75
360.	94.98	91.83	19.35	1391.91	0.40	0.02	3.56	2.58	0.30	0.00	0.00	0.00	17.18	7.95
365.	87.62	95.33	29.58	1370.38	0.40	0.02	3.60	1.43	0.30	0.00	0.00	0.00	17.27	9.23
370.	103.46	103.98	40.04	1353.06	0.40	0.02	3.60	-0.84	0.30	0.00	0.00	0.00	17.27	5.78
375.	90.76	106.61	50.27	1341.52	0.41	0.02	3.62	-0.96	0.30	0.00	0.00	0.00	17.18	6.49
380.	95.93	110.29	59.55	1278.05	0.42	0.02	3.66	-1.02	0.30	0.00	0.00	0.00	17.19	6.27
385.	111.19	113.39	69.77	1257.86	0.38	0.02	3.59	-1.10	0.30	0.00	0.00	0.00	17.18	6.97
390.	113.15	113.76	10.12	1246.32	0.43	0.02	3.62	3.21	0.30	0.00	0.00	0.00	17.10	8.07
395.	105.80	104.56	19.37	1231.89	0.39	0.02	3.64	2.57	0.30	0.00	0.00	0.00	17.08	6.58
400.	97.59	103.58	29.59	1174.19	0.41	0.02	3.66	1.59	0.30	0.00	0.00	0.00	16.98	7.63
405.	107.10	111.34	40.05	1171.31	0.41	0.02	3.65	-0.73	0.30	0.00	0.00	0.00	16.99	6.62
410.	95.62	103.00	50.28	1142.46	0.39	0.02	3.62	-1.01	0.30	0.00	0.00	0.00	16.90	5.20
415.	105.32	103.88	59.56	1130.92	0.39	0.02	3.64	-1.00	0.30	0.00	0.00	0.00	16.92	5.84
420.	95.17	94.14	69.78	1096.30	0.36	0.02	3.63	-1.04	0.30	0.00	0.00	0.00	16.94	5.60
425.	91.64	95.69	10.12	1061.68	0.34	0.02	3.56	2.92	0.30	0.00	0.00	0.00	16.78	6.97
430.	85.52	89.95	19.36	1064.57	0.34	0.02	3.58	2.47	0.30	0.00	0.00	0.00	16.97	5.74
435.	86.29	94.90	29.59	1024.17	0.32	0.02	3.53	1.46	0.30	0.00	0.00	0.00	17.11	7.65
440.	83.52	91.55	40.05	1029.95	0.31	0.02	3.52	-0.80	0.30	0.00	0.00	0.00	17.02	8.23
445.	81.69	84.00	50.28	1006.86	0.31	0.02	3.47	-0.98	0.30	0.00	0.00	0.00	17.13	5.92
450.	79.86	85.43	59.55	957.82	0.32	0.02	3.50	-1.00	0.30	0.00	0.00	0.00	17.32	6.37
455.	88.14	90.24	69.77	960.71	0.31	0.02	3.51	-0.96	0.30	0.00	0.00	0.00	17.34	7.10
460.	83.31	84.64	10.12	923.20	0.29	0.01	3.53	3.03	0.30	0.00	0.00	0.00	17.47	7.40
465.	78.59	78.38	19.36	934.74	0.29	0.01	3.51	2.30	0.30	0.00	0.00	0.00	17.51	7.12
470.	77.51	77.32	29.59	908.77	0.28	0.01	3.47	0.85	0.30	0.00	0.00	0.00	17.50	6.78

TIME	28	29	30	31	32	33	34	35	35	37	38	39	40	41
475.	78.80	78.83	40.05	891.46	0.29	0.01	3.47	-0.79	0.30	0.00	0.00	0.00	17.56	6.16
480.	76.49	78.73	50.27	871.27	0.28	0.01	3.47	-0.95	0.30	0.00	0.00	0.00	17.60	6.24
485.	76.80	76.07	59.54	879.93	0.28	0.01	3.45	-1.03	0.30	0.00	0.00	0.00	17.63	6.80
490.	77.58	78.34	69.77	859.73	0.27	0.01	3.42	-0.99	0.30	0.00	0.00	0.00	17.68	7.80
495.	75.78	76.29	10.12	804.92	0.28	0.01	3.45	2.69	0.30	0.00	0.00	0.00	17.76	7.46
500.	72.32	71.22	19.36	827.99	0.26	0.01	3.41	2.21	0.30	0.00	0.00	0.00	17.88	6.81
505.	75.93	72.41	29.58	810.68	0.25	0.01	3.39	0.49	0.30	0.00	0.00	0.00	17.86	5.42
510.	76.66	71.34	40.04	804.92	0.25	0.01	3.42	-0.75	0.30	0.00	0.00	0.00	17.89	4.78
515.	77.98	75.58	50.28	813.57	0.24	0.01	3.39	-0.89	0.30	0.00	0.00	0.00	17.93	3.55
520.	72.54	72.32	59.55	787.60	0.25	0.01	3.38	-0.97	0.30	0.00	0.00	0.00	17.94	5.84
525.	72.17	71.27	69.78	750.10	0.25	0.01	3.38	-0.91	0.30	0.00	0.00	0.00	17.98	4.88
530.	73.54	72.85	10.12	755.87	0.24	0.01	3.38	2.80	0.30	0.00	0.00	0.00	18.06	5.89
535.	71.73	69.68	19.36	767.41	0.23	0.01	3.38	2.15	0.30	0.00	0.00	0.00	18.06	6.38
540.	73.68	71.49	29.59	735.67	0.24	0.01	3.38	0.59	0.30	0.00	0.00	0.00	18.09	5.16
545.	71.12	70.12	40.05	695.28	0.23	0.01	3.35	-0.77	0.30	0.00	0.00	0.00	18.12	5.38
550.	69.85	72.90	50.28	715.48	0.22	0.01	3.39	-0.82	0.30	0.00	0.00	0.00	18.14	4.31
555.	67.43	66.48	59.55	695.28	0.22	0.01	3.31	-0.82	0.30	0.00	0.00	0.00	18.19	4.76
560.	62.62	73.02	69.78	666.43	0.21	0.01	3.33	-0.69	0.30	0.00	0.00	0.00	18.22	4.91
565.	63.31	65.38	10.12	660.66	0.20	0.01	3.33	2.68	0.30	0.00	0.00	0.00	18.26	6.43
570.	71.56	67.40	19.36	675.09	0.21	0.00	3.35	2.02	0.30	0.00	0.00	0.00	18.28	4.27
575.	64.69	65.14	29.59	657.78	0.20	0.01	3.32	-0.31	0.30	0.00	0.00	0.00	18.32	4.23
580.	66.38	64.57	40.05	637.58	0.20	0.01	3.32	-0.68	0.30	0.00	0.00	0.00	18.27	5.75
585.	60.88	61.62	50.28	643.35	0.19	0.00	3.30	-0.77	0.30	0.00	0.00	0.00	18.29	4.29
590.	61.07	61.55	59.54	637.58	0.18	0.01	3.30	-0.86	0.30	0.00	0.00	0.00	18.38	5.00
595.	60.33	61.59	69.77	600.08	0.18	0.01	3.29	-0.87	0.30	0.00	0.00	0.00	18.42	4.47
600.	65.43	63.86	10.12	602.96	0.17	0.01	3.27	2.55	0.30	0.00	0.00	0.00	18.47	4.44
605.	58.98	60.40	19.36	597.19	0.17	0.01	3.25	1.96	0.30	0.00	0.00	0.00	18.49	7.47
610.	60.12	59.09	29.58	594.31	0.18	0.01	3.29	0.13	0.30	0.00	0.00	0.00	18.53	4.51
615.	67.02	64.33	40.05	582.77	0.17	0.00	3.26	-0.67	0.30	0.00	0.00	0.00	18.57	3.26
620.	64.21	63.26	50.27	574.12	0.17	0.00	3.27	-0.78	0.30	0.00	0.00	0.00	18.62	4.59
625.	65.33	63.19	59.54	588.54	0.16	0.01	3.26	-0.87	0.30	0.00	0.00	0.00	18.66	5.42
630.	61.24	61.12	69.77	553.92	0.16	0.00	3.25	-0.85	0.30	0.00	0.00	0.00	18.69	4.29
635.	59.50	60.48	10.13	574.12	0.16	0.00	3.29	2.47	0.30	0.00	0.00	0.00	18.71	4.26
640.	58.88	59.07	19.36	539.50	0.15	0.09	3.27	1.76	0.30	0.00	0.00	0.00	18.73	4.87
645.	60.81	59.69	29.59	579.88	0.16	0.00	3.24	0.45	0.30	0.00	0.00	0.00	18.78	3.37
650.	58.29	58.41	40.05	562.57	0.15	0.00	3.24	-0.61	0.30	0.00	0.00	0.00	18.69	4.39
655.	58.57	58.83	50.28	549.15	0.15	0.09	3.22	-0.79	0.30	0.00	0.00	0.00	18.71	5.27
660.	58.63	58.78	59.54	542.38	0.15	0.00	3.22	-0.80	0.30	0.00	0.00	0.00	18.86	4.47
665.	59.36	59.45	69.77	551.83	0.15	0.00	3.24	-0.84	0.30	0.00	0.00	0.00	18.88	4.09
670.	57.15	58.49	10.12	565.46	0.14	0.00	3.23	2.27	0.30	0.00	0.00	0.00	18.92	4.45
675.	57.34	55.80	19.37	507.76	0.14	0.00	3.23	1.74	0.30	0.00	0.00	0.00	18.93	4.33
680.	57.39	56.46	29.59	519.30	0.14	0.00	3.23	0.56	0.30	0.00	0.00	0.00	18.86	2.40
685.	54.27	55.66	40.06	510.64	0.14	0.00	3.21	-0.64	0.30	0.00	0.00	0.00	18.98	2.86
690.	55.61	55.56	50.28	490.45	0.14	0.00	3.19	-0.72	0.30	0.00	0.00	0.00	18.99	3.03
695.	55.12	54.83	59.55	473.14	0.14	0.00	3.18	-0.75	0.30	0.00	0.00	0.00	19.01	3.52
700.	58.63	54.71	69.78	499.11	0.13	0.00	3.18	-0.77	0.30	0.00	0.00	0.00	19.04	4.57
705.	57.71	56.10	10.12	504.88	0.11	0.00	3.18	2.23	0.30	0.00	0.00	0.00	18.98	3.62
710.	55.95	55.32	19.37	467.37	0.12	0.00	3.19	1.62	0.30	0.00	0.00	0.00	19.11	3.88
715.	57.83	58.27	29.60	501.99	0.12	0.00	3.17	-0.04	0.30	0.00	0.00	0.00	19.14	3.08
720.	52.58	53.93	40.06	473.14	0.12	0.00	3.18	-0.59	0.30	0.00	0.00	0.00	19.16	4.03

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	54.44	52.10	50.29	504.88	0.11	0.00	3.16	-0.71	0.00	0.00	0.00	0.00	19.20	3.25
730.	52.17	53.95	59.56	478.91	0.11	0.00	3.13	-0.81	0.00	0.00	0.00	0.00	19.23	3.29
735.	56.73	53.51	69.79	452.94	0.11	0.00	3.14	-0.76	0.00	0.00	0.00	0.00	19.27	3.65
740.	52.12	51.90	10.13	467.37	0.10	0.00	3.14	2.08	0.00	0.00	0.00	0.00	19.30	3.29
745.	52.17	52.02	19.36	490.45	0.10	0.00	3.13	1.51	0.00	0.00	0.00	0.00	19.31	3.21
750.	48.76	48.88	29.59	455.83	0.10	0.00	3.13	0.28	0.00	0.00	0.00	0.00	19.32	2.94
755.	48.49	50.46	40.05	461.60	0.10	0.00	3.13	-0.47	0.00	0.00	0.00	0.00	19.34	4.54
760.	50.39	50.98	50.28	464.49	0.09	0.00	3.12	-0.59	0.00	0.00	0.00	0.00	19.29	2.54
765.	51.78	50.27	59.55	464.49	0.10	0.00	3.11	-0.63	0.00	0.00	0.00	0.00	19.32	2.24
770.	51.10	49.29	69.78	481.79	0.09	0.00	3.11	-0.69	0.00	0.00	0.00	0.00	19.42	3.37
775.	49.98	48.61	10.13	458.72	0.09	0.00	3.10	1.00	0.00	0.00	0.00	0.00	19.44	1.87
780.	51.51	49.12	19.37	467.37	0.09	0.00	3.09	1.32	0.00	0.00	0.00	0.00	19.44	2.76
785.	50.46	47.10	29.59	478.91	0.08	0.00	3.09	-0.23	0.00	0.00	0.00	0.00	19.48	1.04
790.	47.49	46.63	40.06	467.37	0.08	0.00	3.10	-0.48	0.00	0.00	0.00	0.00	19.50	3.35
795.	48.19	46.34	50.28	452.94	0.08	0.00	3.10	-0.59	0.00	0.00	0.00	0.00	19.52	2.06
800.	46.95	46.12	59.54	452.94	0.08	0.00	3.09	-0.67	0.00	0.00	0.00	0.00	19.52	3.17
805.	48.27	45.83	69.78	461.60	0.08	0.00	3.10	-0.71	0.00	0.00	0.00	0.00	19.52	2.84
810.	49.73	45.71	10.13	476.02	0.08	0.00	3.08	1.69	0.00	0.00	0.00	0.00	19.51	3.29
815.	47.73	46.17	19.36	447.17	0.07	0.00	3.09	1.24	0.00	0.00	0.00	0.00	19.53	1.84
820.	48.39	46.90	29.59	450.06	0.08	0.00	3.09	0.35	0.00	0.00	0.00	0.00	19.56	2.36
825.	43.51	44.44	40.05	464.49	0.07	0.00	3.09	-0.47	0.00	0.00	0.00	0.00	19.59	2.74
830.	45.66	44.22	50.28	473.14	0.07	0.00	3.09	-0.55	0.00	0.00	0.00	0.00	19.58	2.39
835.	44.76	43.39	59.54	458.72	0.07	0.00	3.09	-0.64	0.00	0.00	0.00	0.00	19.58	1.86
840.	46.98	45.15	69.77	484.68	0.07	0.00	3.09	-0.68	0.00	0.00	0.00	0.00	19.60	1.90
845.	44.27	42.98	10.12	473.14	0.07	0.00	3.08	1.55	0.00	0.00	0.00	0.00	19.62	2.74
850.	43.90	42.22	19.36	473.14	0.07	0.00	3.00	1.14	0.00	0.00	0.00	0.00	19.65	2.05
855.	46.46	43.44	29.59	458.72	0.06	0.00	3.08	0.30	0.00	0.00	0.00	0.00	19.66	2.50
860.	44.34	42.68	40.05	461.60	0.07	0.00	3.08	-0.42	0.00	0.00	0.00	0.00	19.65	2.78
865.	43.76	42.39	50.28	478.91	0.06	0.00	3.08	-0.58	0.00	0.00	0.00	0.00	19.71	2.80
870.	45.24	44.98	59.54	476.02	0.07	0.00	3.08	-0.63	0.00	0.00	0.00	0.00	19.67	1.76
875.	45.00	43.24	69.78	444.29	0.06	0.00	3.08	-0.62	0.00	0.00	0.00	0.00	19.69	2.67
880.	44.73	43.73	10.12	455.83	0.06	0.00	3.08	1.52	0.00	0.00	0.00	0.00	19.72	2.47
885.	43.88	43.10	19.36	458.72	0.06	0.00	3.08	1.08	0.00	0.00	0.00	0.00	19.71	1.47
890.	40.37	42.05	29.58	478.91	0.07	0.00	3.07	0.21	0.00	0.00	0.00	0.00	19.67	2.30
895.	42.85	42.41	40.05	447.17	0.07	0.00	3.08	-0.35	0.00	0.00	0.00	0.00	19.79	1.36
900.	41.98	41.88	50.28	444.29	0.06	0.00	3.07	-0.54	0.00	0.00	0.00	0.00	19.78	1.78
905.	41.05	40.24	59.55	452.94	0.06	0.00	3.07	-0.62	0.00	0.00	0.00	0.00	19.77	2.80
910.	44.02	42.07	69.78	452.94	0.06	0.00	3.07	-0.60	0.00	0.00	0.00	0.00	19.78	1.66
915.	44.85	42.61	10.12	467.37	0.06	-0.00	3.07	1.44	0.00	0.00	0.00	0.00	19.83	1.51
920.	42.68	42.49	19.35	438.52	0.06	0.00	3.07	1.05	0.00	0.00	0.00	0.00	19.80	2.43
925.	40.24	40.12	29.58	444.29	0.06	0.00	3.07	-0.22	0.00	0.00	0.00	0.00	19.83	1.52
930.	42.41	40.76	40.04	464.49	0.06	0.00	3.07	-0.42	0.00	0.00	0.00	0.00	19.83	0.98
935.	41.29	40.49	50.27	429.86	0.05	0.00	3.07	-0.50	0.00	0.00	0.00	0.00	19.84	1.56
940.	40.95	40.56	59.54	438.52	0.05	0.00	3.07	-0.57	0.00	0.00	0.00	0.00	19.84	1.80
945.	39.68	39.05	69.77	450.06	0.05	-0.00	3.07	-0.55	0.00	0.00	0.00	0.00	19.87	2.88
950.	40.78	39.61	10.11	464.49	0.05	0.00	3.06	1.40	0.00	0.00	0.00	0.00	19.89	1.60
955.	41.85	39.49	19.35	458.72	0.05	0.00	3.06	1.01	0.00	0.00	0.00	0.00	19.86	1.18
960.	43.44	40.63	29.58	461.60	0.05	0.00	3.06	0.24	0.00	0.00	0.00	0.00	19.89	2.10

TIME	42	43	44	45	46	47	48
0.	0.72	-0.26	0.05	-0.43	1.84	0.00	0.00
0.	-0.88	0.51	0.07	0.68	-1.28	0.00	0.00
0.	0.82	-1.25	1.13	-1.56	0.74	0.00	0.00
0.	0.36	-0.12	-0.98	0.95	-0.47	0.00	0.00
0.	0.11	-0.14	0.84	-0.17	-0.49	0.00	0.00
0.	-1.12	1.27	-1.12	0.53	-0.34	0.00	0.00
5.	0.62	0.28	-0.51	0.19	-0.38	0.00	5.00
10.	1.57	-0.87	1.08	-1.17	1.22	0.00	10.00
15.	0.39	0.47	0.38	-0.76	0.24	0.00	15.00
20.	0.53	0.15	0.35	-0.79	0.20	0.00	20.00
25.	0.49	0.40	0.03	-3.17	-1.09	0.00	25.00
30.	0.15	0.30	0.45	-0.42	-0.74	0.00	30.00
35.	0.10	1.02	-0.35	0.07	-0.05	0.00	35.00
40.	0.63	0.42	-0.45	-1.88	0.32	0.01	40.00
45.	-0.77	1.64	0.38	0.17	-0.09	0.03	45.00
50.	0.19	-0.46	1.24	0.08	-0.32	0.06	50.00
55.	1.47	0.67	0.07	0.18	-1.60	0.17	55.00
60.	2.88	1.62	0.50	-2.34	0.52	0.31	60.00
65.	4.49	2.44	-0.97	-2.12	3.14	0.50	65.00
70.	5.77	1.89	-1.79	0.67	0.29	0.67	70.00
75.	8.08	-1.08	-3.61	0.03	0.48	0.84	75.00
80.	3.19	-1.39	-0.41	0.00	1.90	1.01	80.00
85.	2.01	3.18	-0.41	-2.44	-1.55	1.21	85.00
90.	6.17	0.54	-0.16	-2.78	1.01	1.52	90.00
95.	4.93	-0.19	-1.83	-0.23	-1.36	1.91	95.00
100.	4.90	5.16	-2.57	-1.15	-1.48	2.20	100.00
105.	3.11	2.48	0.94	-1.37	1.68	2.43	105.00
110.	5.27	-0.03	-0.33	-0.30	-0.28	2.58	110.00
115.	6.45	2.03	-2.46	-1.63	0.29	2.64	115.00
120.	2.00	6.73	1.90	0.53	-1.94	2.62	120.00
125.	6.49	0.42	0.96	-0.18	-1.77	2.82	125.00
130.	4.74	0.58	-2.40	0.35	-0.71	2.88	130.00
135.	6.76	3.26	-0.66	-1.72	-0.49	3.01	135.00
140.	4.29	1.72	-2.17	0.43	-4.05	3.09	140.00
145.	5.86	3.14	1.30	-3.54	0.19	3.28	145.00
150.	3.24	4.26	-2.02	-3.14	-0.26	3.44	150.00
155.	4.59	1.16	-0.40	-3.45	-1.68	3.38	155.00
160.	6.74	-2.81	-0.27	-0.73	0.13	3.44	160.00
165.	5.98	1.74	-0.72	-2.09	-2.60	3.53	165.00
170.	7.58	3.20	-2.02	-1.59	-0.42	3.72	170.00
175.	6.77	2.52	-1.63	-1.67	0.33	3.63	175.00
180.	6.71	3.16	0.63	-2.32	-2.84	3.14	180.00
185.	2.02	2.31	3.17	-1.52	-3.18	3.24	185.00
190.	4.42	2.72	-1.47	-1.36	-1.73	3.39	190.00
195.	4.21	4.66	-1.12	-2.35	-1.03	3.44	195.00
200.	6.93	1.47	0.25	-0.58	-2.64	3.33	200.00
205.	7.16	1.59	0.04	-2.27	-0.89	3.03	205.00
210.	7.73	0.16	-0.07	-0.47	-4.15	2.68	210.00
215.	2.19	3.58	2.09	-1.06	-3.44	2.88	215.00
220.	6.18	2.38	0.32	-1.39	-3.16	2.67	220.00

TIME	42	43	44	45	46	47	48
225.	3.27	4.49	-1.02	0.23	-2.99	2.71	225.00
230.	3.85	2.05	-0.09	-0.56	-3.38	2.87	230.00
235.	3.21	1.59	-0.12	-1.29	-2.35	2.69	235.00
240.	5.22	3.65	0.78	-1.78	0.29	2.74	240.00
245.	5.71	2.09	-0.41	-1.30	-0.41	2.87	245.00
250.	5.94	2.21	0.65	-0.06	-2.09	2.67	250.00
255.	6.39	1.68	-1.33	0.84	-2.15	2.41	255.00
260.	5.52	2.68	-1.06	0.76	-1.65	2.69	260.00
265.	7.03	1.70	1.31	-1.82	-0.31	2.55	265.00
270.	4.46	1.57	0.11	-1.24	-2.63	2.52	270.00
275.	4.48	2.76	1.31	-1.42	-1.57	2.38	275.00
280.	7.29	3.15	-0.97	-2.47	-2.60	2.41	280.00
285.	6.89	0.96	-2.55	-2.54	-0.99	2.72	285.00
290.	3.62	4.31	-1.46	-1.82	-1.65	2.60	290.00
295.	4.27	2.95	0.18	-1.75	1.14	2.60	295.00
300.	6.80	2.29	-0.87	-0.87	-0.29	2.40	300.00
305.	4.91	1.53	0.13	-0.43	-3.74	2.39	305.00
310.	1.92	4.01	0.36	-1.62	-0.26	2.28	310.00
315.	3.71	1.11	-0.86	-1.44	1.10	2.29	315.00
320.	3.61	0.47	0.02	-0.47	-1.79	2.25	320.00
325.	6.83	0.49	1.15	-1.57	-1.06	2.16	325.00
330.	5.02	0.18	0.17	-0.41	-1.86	1.97	330.00
335.	5.74	1.20	0.40	-1.49	2.59	2.06	335.00
340.	5.09	2.93	1.17	-2.59	-0.68	2.02	340.00
345.	3.71	3.20	-2.72	-1.40	-0.09	1.97	345.00
350.	6.89	1.40	0.33	0.92	-4.93	1.87	350.00
355.	6.25	2.95	-0.79	-2.78	1.20	1.75	355.00
360.	3.65	4.22	0.63	-1.00	-0.20	2.01	360.00
365.	3.60	4.09	-2.43	-0.68	-0.36	1.84	365.00
370.	4.63	2.25	-1.02	-0.47	-1.41	1.92	370.00
375.	6.78	1.94	-1.19	0.93	-1.64	1.94	375.00
380.	6.83	1.65	-1.16	-1.45	0.16	1.95	380.00
385.	2.60	1.93	-0.87	-2.67	-1.99	1.94	385.00
390.	4.57	3.53	-1.81	-0.31	-0.00	1.97	390.00
395.	6.08	2.46	1.84	-3.10	-0.35	2.03	395.00
400.	3.62	1.61	0.47	-1.86	-0.58	2.04	400.00
405.	6.25	3.05	-0.71	-1.28	-0.44	2.11	405.00
410.	5.80	0.53	0.77	-1.20	-1.44	2.20	410.00
415.	4.99	0.71	1.41	-1.00	-0.23	2.05	415.00
420.	4.97	1.52	0.03	-1.11	0.55	2.11	420.00
425.	7.55	-0.74	-0.70	0.14	-1.12	2.15	425.00
430.	8.12	3.07	-0.44	-1.00	-2.28	1.81	430.00
435.	5.64	0.28	0.90	-3.05	0.82	2.02	435.00
440.	5.01	-0.21	0.32	-1.63	-0.12	1.94	440.00
445.	2.88	0.49	0.75	-2.37	0.82	1.77	445.00
450.	4.32	1.43	0.46	-1.01	-1.05	1.75	450.00
455.	5.63	1.41	0.01	-1.65	0.93	1.69	455.00
460.	4.20	1.84	0.23	-2.37	0.78	1.58	460.00
465.	3.14	1.19	-0.09	-3.00	-1.42	1.59	465.00
470.	7.11	1.52	-0.30	-0.86	-0.58	1.61	470.00

TIME	42	43	44	45	46	47	48
475.	7.14	2.73	-1.67	-0.96	0.55	1.52	475.00
480.	5.03	0.40	-1.84	-1.72	-0.48	1.50	480.00
485.	2.65	1.85	-0.19	-0.75	-0.63	1.45	485.00
490.	3.38	1.45	-0.20	-1.20	-1.03	1.41	490.00
495.	7.27	2.09	-0.77	-1.00	-1.70	1.31	495.00
500.	4.66	0.30	0.11	-1.99	-0.68	1.24	500.00
505.	3.19	2.20	-0.32	-1.22	-0.19	1.30	505.00
510.	4.58	1.62	0.22	0.02	-1.68	1.24	510.00
515.	4.91	1.12	-0.11	-1.89	-1.18	1.22	515.00
520.	3.60	1.07	0.82	-0.75	-1.93	1.21	520.00
525.	7.35	1.69	-0.02	-1.14	-1.09	1.15	525.00
530.	2.98	1.17	0.18	-0.46	-0.94	1.10	530.00
535.	3.05	-0.45	1.93	-1.33	-0.81	1.11	535.00
540.	3.12	1.23	0.88	-1.62	-1.35	1.09	540.00
545.	5.06	-0.15	0.63	-0.57	-1.09	1.06	545.00
550.	4.25	0.52	0.02	-1.35	0.43	1.00	550.00
555.	3.61	0.52	0.10	-1.14	-0.78	0.97	555.00
560.	3.50	1.43	0.14	-1.16	-0.29	0.98	560.00
565.	4.00	1.58	-0.32	-1.07	-0.77	0.95	565.00
570.	3.58	2.37	-0.74	-1.46	-0.32	0.94	570.00
575.	4.53	0.49	-0.33	-0.68	-1.07	0.92	575.00
580.	3.48	1.62	0.37	0.12	-1.87	0.88	580.00
585.	4.28	0.55	0.47	-1.20	0.23	0.89	585.00
590.	3.38	1.63	-0.20	-1.16	-0.89	0.86	590.00
595.	3.47	0.89	0.73	-1.72	-0.15	0.82	595.00
600.	2.98	2.55	-0.29	-1.64	-0.36	0.79	600.00
605.	3.61	0.71	0.16	-0.17	-1.29	0.78	605.00
610.	5.00	-0.45	0.86	-0.83	-0.20	0.75	610.00
615.	4.73	0.42	0.73	-0.90	-0.42	0.71	615.00
620.	2.70	1.08	-0.40	-0.68	0.06	0.69	620.00
625.	3.64	0.65	0.25	-0.76	0.07	0.65	625.00
630.	3.93	1.21	-1.34	-0.03	-0.96	0.63	630.00
635.	3.39	0.66	0.93	-1.74	0.38	0.62	635.00
640.	2.93	0.72	1.08	-2.11	1.00	0.60	640.00
645.	4.12	0.52	-0.03	-0.17	-0.89	0.57	645.00
650.	3.86	2.04	-1.11	-1.75	-0.30	0.57	650.00
655.	2.91	2.25	-0.62	-0.24	-1.28	0.54	655.00
660.	2.51	0.62	0.67	-1.17	-0.47	0.50	660.00
665.	2.78	1.28	0.37	-2.01	0.06	0.49	665.00
670.	2.82	1.43	0.36	-1.28	0.35	0.46	670.00
675.	2.93	1.74	-0.74	-0.85	0.38	0.45	675.00
680.	4.60	-0.60	1.11	-1.59	0.39	0.43	680.00
685.	3.48	0.22	0.81	-2.27	-1.10	0.42	685.00
690.	3.60	0.75	0.07	-1.15	0.58	0.41	690.00
695.	3.37	1.27	-0.54	-0.34	-0.96	0.39	695.00
700.	2.44	1.39	0.13	-1.12	-0.51	0.37	700.00
705.	2.59	1.68	-0.62	-0.54	-0.51	0.35	705.00
710.	2.46	1.26	0.25	-0.55	-0.74	0.33	710.00
715.	2.45	0.87	-0.32	-0.14	-0.94	0.32	715.00
720.	2.56	1.61	-0.21	-0.67	-0.76	0.30	720.00

TIME	42	43	44	45	46	47	48
725.	2.69	1.07	-0.43	-0.69	-0.18	0.28	725.00
730.	2.54	0.92	0.30	-1.51	0.62	0.27	730.00
735.	2.57	0.51	0.59	-0.64	-0.35	0.25	735.00
740.	2.85	0.56	0.48	-1.38	-0.67	0.24	740.00
745.	2.08	1.80	-0.42	-0.68	-0.60	0.24	745.00
750.	2.75	0.58	0.33	-1.08	0.14	0.21	750.00
755.	1.49	1.85	-0.82	-0.01	-0.23	0.20	755.00
760.	2.85	0.77	-0.18	-1.05	-0.22	0.18	760.00
765.	3.23	0.44	-0.15	-0.46	-0.13	0.17	765.00
770.	1.90	0.41	0.36	-0.52	-0.10	0.17	770.00
775.	2.75	0.42	0.55	-1.19	-0.29	0.16	775.00
780.	3.02	0.41	-0.01	-0.97	-0.28	0.16	780.00
785.	3.27	0.25	-0.04	-1.14	0.21	0.15	785.00
790.	1.83	1.57	-0.73	-0.24	-1.06	0.14	790.00
795.	2.95	-0.14	0.77	-0.98	-0.28	0.13	795.00
800.	1.57	0.68	0.33	-0.45	0.19	0.13	800.00
805.	2.31	0.71	-0.37	-0.40	-0.60	0.13	805.00
810.	1.70	0.91	0.33	-1.45	0.48	0.12	810.00
815.	2.42	0.22	0.06	-0.24	-1.09	0.11	815.00
820.	1.78	0.51	0.42	-0.75	0.50	0.10	820.00
825.	1.92	0.86	-0.03	-0.53	0.52	0.09	825.00
830.	2.02	0.67	-0.35	-0.28	-0.76	0.08	830.00
835.	2.45	-0.26	0.62	-0.74	0.16	0.08	835.00
840.	2.15	1.03	-0.29	-0.50	0.11	0.07	840.00
845.	1.98	0.39	-0.10	-2.26	-0.45	0.06	845.00
850.	2.33	0.18	0.11	-0.85	-0.05	0.06	850.00
855.	1.73	0.67	-0.50	-0.12	-0.44	0.06	855.00
860.	1.42	0.52	0.14	-0.22	-0.81	0.06	860.00
865.	1.26	0.70	0.11	-0.88	-0.05	0.04	865.00
870.	1.98	0.84	-0.09	-1.20	0.79	0.04	870.00
875.	0.96	1.29	-0.31	-0.15	-1.15	0.04	875.00
880.	1.05	0.52	-0.01	-0.13	-0.15	0.04	880.00
885.	2.02	0.11	0.41	-0.68	-0.42	0.03	885.00
890.	1.42	0.65	-0.00	-0.61	-0.20	0.02	890.00
895.	1.94	0.17	0.07	-1.05	0.84	0.03	895.00
900.	1.97	0.17	0.35	-1.12	0.62	0.02	900.00
905.	1.36	1.27	-0.23	0.07	-0.57	0.02	905.00
910.	2.36	-0.14	0.77	-1.11	1.00	0.02	910.00
915.	2.02	0.37	0.15	-1.14	0.39	0.01	915.00
920.	1.15	1.20	-0.74	-0.01	-0.89	0.02	920.00
925.	2.22	0.14	0.18	-0.39	0.23	0.01	925.00
930.	2.09	0.35	0.44	-1.37	0.68	0.01	930.00
935.	1.63	-0.18	1.03	-0.74	-0.22	0.01	935.00
940.	1.67	0.60	-0.00	-0.40	0.07	0.01	940.00
945.	0.55	1.00	0.37	-0.81	0.69	0.01	945.00
950.	1.98	0.58	-0.17	-0.70	0.01	0.01	950.00
955.	1.96	0.13	0.23	-0.38	0.07	0.00	955.00
960.	1.60	0.04	0.38	-0.16	0.21	0.01	960.00

PRC14-P-2-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	34.29	29.39	26.82	24.10	23.47	22.67	22.32	44.27	43.15	41.34	37.93	34.34	32.71	31.10
0.	33.63	29.65	27.57	23.95	24.10	22.38	22.42	44.17	43.10	41.17	37.66	34.17	32.54	30.78
0.	32.73	29.67	27.25	24.20	24.63	22.38	22.42	44.24	43.17	40.95	37.29	34.24	32.37	30.93
0.	34.61	29.67	27.10	24.02	24.75	22.47	22.47	44.19	43.17	41.32	37.34	34.51	32.98	31.19
0.	33.83	29.72	26.67	24.00	25.77	22.35	22.57	44.17	43.12	41.44	37.76	34.49	33.10	31.46
0.	33.68	29.55	27.27	24.05	25.32	22.27	22.27	44.15	43.15	41.24	37.12	34.17	32.90	31.10
5.	41.17	33.76	26.35	23.47	23.35	22.12	21.85	44.32	46.15	41.98	41.63	38.63	36.98	35.39
10.	47.49	41.58	33.54	23.77	24.65	22.12	22.00	45.41	49.68	44.61	45.37	44.98	44.29	39.49
15.	54.93	45.68	32.93	23.82	23.92	22.67	22.38	47.71	52.71	51.71	51.76	51.49	49.66	47.90
20.	61.14	55.49	36.54	23.77	23.92	22.80	22.95	52.24	62.21	59.52	59.19	58.74	58.32	56.27
25.	78.61	67.40	46.98	23.90	24.20	23.57	22.65	56.49	79.00	66.00	72.98	73.15	72.27	64.57
30.	110.32	100.90	57.32	24.42	24.27	22.82	22.40	66.26	108.73	90.40	93.59	92.38	95.90	90.43
35.	163.00	142.42	72.66	24.57	23.87	22.27	22.00	79.69	178.52	146.67	146.77	148.55	146.12	137.40
40.	216.30	188.35	101.07	24.38	23.50	22.10	22.30	113.15	233.61	192.42	195.47	198.92	195.75	187.40
45.	274.27	231.30	141.75	24.77	23.52	22.05	21.88	136.02	290.19	248.66	243.80	251.10	250.80	240.93
50.	281.41	269.12	106.71	24.02	22.30	21.90	21.82	171.72	329.17	315.78	316.44	315.85	309.88	294.12
55.	317.12	292.09	182.17	24.57	22.55	22.63	21.75	202.51	389.59	342.40	343.90	339.19	322.21	314.07
60.	312.46	296.29	154.65	24.40	23.77	22.25	22.40	217.70	368.52	346.15	342.02	343.44	329.83	339.80
65.	293.05	281.17	198.41	26.57	23.70	22.10	22.12	238.46	400.00	360.67	346.40	343.05	340.50	340.07
70.	315.12	294.78	185.15	26.07	23.75	22.30	22.15	260.17	401.16	367.52	359.21	355.45	341.14	346.15
75.	312.45	294.95	224.92	27.10	23.72	22.22	22.02	268.24	405.55	367.74	359.57	348.74	348.41	341.56
80.	324.40	310.56	232.83	28.27	24.13	22.42	22.10	281.49	420.88	382.17	364.93	357.36	349.21	343.45
85.	325.64	310.19	245.88	55.56	23.67	22.27	22.25	289.87	427.09	389.38	364.67	364.40	347.29	340.62
90.	313.21	316.80	246.93	38.27	23.75	22.30	21.97	291.57	431.24	405.93	392.89	371.19	363.67	351.43
95.	316.73	312.43	240.39	52.80	23.55	22.00	21.95	308.90	437.12	403.05	389.95	381.48	364.79	355.38
100.	342.83	325.29	267.98	53.49	23.07	21.90	21.82	314.41	429.93	400.38	387.05	371.02	370.12	366.93
105.	347.85	314.00	192.67	34.05	23.67	23.15	22.77	311.27	429.48	401.88	391.05	383.02	370.19	365.88
110.	312.09	312.83	233.34	41.98	22.65	21.95	22.30	314.90	406.02	399.86	386.64	369.51	364.52	358.52
115.	330.00	316.68	232.41	42.85	23.77	22.60	22.97	311.05	408.38	386.81	368.04	369.81	361.64	359.67
120.	328.59	303.51	218.35	33.54	23.97	22.85	23.42	316.62	427.05	402.09	389.24	382.31	361.77	366.19
125.	347.68	310.05	258.56	34.88	24.70	22.90	23.35	322.76	426.31	402.69	392.52	383.43	364.56	363.90
130.	345.66	313.41	241.41	31.27	23.52	22.42	22.90	321.59	406.16	406.05	390.07	383.36	362.63	367.12
135.	344.63	293.58	231.15	31.24	23.52	22.45	22.77	321.38	408.42	397.45	384.12	367.60	367.52	366.74
140.	341.71	290.83	204.39	39.32	23.85	22.05	22.50	324.93	403.91	395.71	382.83	369.70	368.36	361.88
145.	343.02	315.32	236.39	59.19	23.63	21.80	21.85	324.38	406.60	391.76	383.88	370.14	364.21	368.31
150.	326.98	314.61	251.05	46.68	23.35	21.70	21.65	323.05	408.42	397.62	388.74	371.28	369.12	366.71
155.	340.58	313.98	235.15	52.34	24.10	22.02	22.52	323.90	403.95	391.64	386.50	382.43	361.70	368.59
160.	346.93	309.58	205.56	45.15	24.50	22.47	23.15	327.93	421.28	396.14	386.86	382.12	369.24	364.71
165.	347.98	318.38	252.80	90.59	23.82	22.17	22.27	344.10	407.16	399.83	394.26	391.19	391.43	370.67
170.	356.95	322.05	244.37	58.76	22.52	22.12	23.65	345.90	408.86	400.64	392.29	387.45	368.53	366.39
175.	342.36	308.22	227.82	47.51	23.47	22.32	22.47	341.59	428.14	401.88	398.19	394.67	386.02	382.19
180.	329.26	316.95	273.39	63.29	23.50	22.63	22.52	345.52	421.36	403.72	405.88	396.93	381.86	368.72
185.	341.38	315.83	274.29	67.31	24.63	22.60	22.67	344.95	421.21	410.05	403.43	399.21	370.67	366.60
190.	363.33	340.41	220.27	53.37	24.80	22.38	22.92	344.36	421.76	405.64	398.14	393.58	383.31	370.23
195.	324.93	317.93	249.71	51.12	25.90	22.72	22.92	349.59	421.33	403.28	404.86	396.29	380.55	383.62
200.	346.05	316.41	230.12	41.51	25.35	22.70	22.55	345.52	407.74	403.14	396.38	394.07	384.59	384.57
205.	353.50	313.29	230.76	39.58	25.45	22.65	23.00	349.14	434.07	421.57	407.31	400.64	389.31	384.69
210.	354.12	313.15	240.71	40.19	24.72	22.77	22.80	354.43	432.62	405.91	405.57	399.71	385.98	382.29
215.	353.19	316.68	230.27	37.93	25.72	23.37	22.97	352.31	403.19	406.81	402.59	400.24	389.71	390.45
220.	355.21	310.66	246.22	38.05	25.27	22.27	22.70	353.21	422.52	409.05	402.17	397.14	394.59	370.14

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	344.48	314.73	241.98	46.07	22.90	22.17	21.90	352.83	421.67	401.07	400.95	398.50	388.17	382.76
230.	352.90	320.45	283.22	44.76	22.70	22.57	22.67	357.38	429.17	403.91	405.59	401.43	389.38	381.21
235.	365.09	326.26	262.98	47.15	22.88	21.80	22.07	358.71	409.67	402.60	406.57	404.07	395.19	393.40
240.	346.67	324.48	251.10	37.80	23.30	22.17	22.72	361.40	429.96	406.09	409.24	402.90	388.76	386.29
245.	350.50	328.50	245.19	38.54	25.45	22.67	22.95	365.00	435.08	430.48	425.26	405.79	402.21	394.40
250.	353.67	325.29	264.32	55.39	25.42	22.42	23.02	362.00	433.42	430.59	424.86	405.74	400.17	397.38
255.	366.43	346.88	267.66	60.90	25.22	22.77	23.30	362.79	438.31	428.62	422.93	406.49	398.05	393.50
260.	363.90	347.27	244.49	57.63	25.35	23.75	23.13	371.49	434.93	427.19	409.14	402.72	397.00	393.02
265.	362.59	323.43	267.39	42.12	25.15	22.97	23.32	370.95	436.67	432.48	421.57	404.74	401.24	397.59
270.	358.33	328.00	246.05	45.80	24.88	23.07	23.25	369.16	431.60	428.90	410.77	405.35	401.71	400.19
275.	353.83	328.29	251.68	38.54	25.35	22.77	23.10	367.91	435.36	423.59	406.95	401.35	396.21	394.79
280.	366.40	341.39	275.24	37.66	25.55	22.88	23.17	364.63	429.59	407.93	402.58	407.69	395.28	396.31
285.	351.67	319.33	257.98	51.54	26.02	22.72	23.30	368.32	428.55	410.42	403.32	408.93	395.43	393.31
290.	360.38	338.78	272.37	69.54	25.35	22.27	23.15	369.05	428.21	410.74	405.72	400.67	396.19	391.69
295.	368.64	330.43	260.80	56.46	24.57	22.25	22.80	370.84	432.33	425.67	409.49	404.01	399.17	395.57
300.	356.88	318.88	266.41	53.54	24.20	22.72	22.88	368.19	425.71	407.07	410.33	407.02	397.43	395.09
305.	359.19	315.14	259.44	45.88	23.72	22.22	22.95	369.95	426.90	407.05	401.12	404.40	391.86	390.24
310.	353.48	325.48	243.68	46.83	23.60	22.60	23.20	368.84	425.17	405.72	407.59	403.26	392.81	393.52
315.	362.74	322.67	251.49	63.83	25.47	22.50	23.40	367.86	431.55	422.67	404.12	407.74	393.21	390.05
320.	362.40	339.39	258:37	59.59	24.00	22.00	22.50	367.79	430.14	409.35	401.81	406.59	396.12	393.86
325.	361.50	329.81	257.15	49.00	23.85	23.00	23.10	365.32	423.62	406.67	404.50	402.63	396.31	392.90
330.	352.07	315.26	260.27	57.10	25.02	22.57	22.55	366.93	421.90	406.81	402.50	407.52	392.69	393.55
335.	352.83	338.83	242.00	58.62	25.92	22.88	23.15	367.77	422.57	405.05	410.29	405.00	390.69	386.93
340.	361.55	318.64	250.71	52.19	26.47	23.17	23.47	369.63	410.00	402.02	405.50	398.14	394.67	385.28
345.	361.59	324.71	251.88	52.41	26.75	24.07	23.67	364.28	407.00	402.74	407.33	403.71	392.90	393.88
350.	353.64	316.58	247.63	43.51	26.47	23.42	23.45	365.88	408.91	407.00	402.64	398.64	388.64	388.95
355.	358.26	314.48	251.10	44.44	26.35	23.02	24.00	365.42	403.63	405.24	399.50	394.43	371.44	368.79
360.	350.83	312.57	231.42	41.00	24.32	22.95	23.20	369.07	403.93	407.07	398.52	393.64	380.52	369.88
365.	350.83	312.00	233.02	39.44	26.13	23.17	23.50	366.23	401.63	401.31	397.01	392.79	371.63	380.76
370.	353.90	318.19	234.02	38.10	26.02	22.75	23.90	366.39	408.04	404.31	400.21	396.07	385.26	383.40
375.	340.36	315.98	238.73	38.78	25.57	23.10	23.57	369.21	404.58	402.26	396.17	389.78	367.60	365.32
380.	347.49	307.71	224.85	36.73	26.72	23.05	23.02	365.48	397.33	390.43	387.14	383.24	362.67	370.21
385.	345.78	306.85	221.72	35.78	22.95	21.92	22.88	361.24	396.57	386.57	381.76	369.23	370.09	363.88
390.	341.46	301.80	188.10	37.63	26.02	22.02	22.27	359.12	394.02	384.79	380.88	367.93	365.93	363.81
395.	338.76	307.98	219.95	36.46	24.22	22.52	22.75	355.86	386.14	381.45	370.60	367.91	368.14	363.45
400.	340.63	317.10	218.02	34.63	25.90	22.32	22.57	351.76	382.74	369.35	365.98	362.04	357.09	354.36
405.	318.71	307.95	215.20	34.61	26.22	22.85	22.97	348.71	371.12	365.26	364.19	367.12	354.45	353.19
410.	319.50	294.05	205.49	34.12	24.45	22.50	22.77	343.09	366.19	368.05	364.12	362.79	352.02	349.40
415.	317.81	290.68	202.88	33.68	24.77	22.32	22.63	340.79	368.36	365.55	362.38	358.57	349.86	349.19
420.	318.52	297.15	200.65	33.95	25.35	22.07	22.82	346.37	369.24	361.48	358.57	357.29	348.07	347.90
425.	316.24	291.58	182.90	33.71	23.13	22.95	22.95	340.34	357.36	353.24	351.95	350.24	343.31	343.07
430.	311.22	283.85	150.37	33.00	23.72	22.57	23.02	326.07	347.83	345.90	345.50	344.48	343.49	342.51
435.	302.85	280.61	155.32	32.49	23.60	22.90	22.68	321.40	344.49	340.40	346.29	346.39	339.15	338.56
440.	306.37	275.27	128.24	32.95	26.02	23.67	23.10	318.09	341.34	345.39	343.80	343.37	328.24	327.80
445.	307.02	271.85	140.22	33.22	25.60	23.45	23.10	315.24	345.12	342.15	341.51	341.15	327.74	325.19
450.	301.73	274.90	158.62	32.15	25.17	22.10	22.25	311.79	342.44	338.68	328.64	330.02	321.74	321.86
455.	296.46	276.29	166.82	31.49	24.82	21.95	22.25	316.46	338.95	326.83	324.64	324.00	320.14	322.90
460.	301.95	268.85	184.35	31.34	24.77	21.88	22.27	313.32	328.07	323.95	322.21	321.26	315.69	318.52
465.	294.19	261.71	164.22	32.15	23.37	22.17	22.02	309.22	320.71	318.52	317.95	317.67	311.67	312.33
470.	291.05	263.07	151.02	31.61	25.72	22.10	22.42	305.66	318.95	315.88	314.74	313.95	315.93	316.02

PRC14-P-2-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	285.41	260.39	145.20	31.05	25.80	22.63	22.85	294.26	311.86	310.67	310.90	310.67	312.32	312.73
480.	280.80	256.56	94.76	31.46	25.32	22.80	23.42	291.12	316.34	313.80	313.17	311.10	305.29	305.24
485.	273.58	254.66	114.66	31.17	23.32	22.20	22.42	294.29	310.24	309.19	306.88	305.95	293.26	292.93
490.	275.37	249.22	102.93	31.15	25.45	22.02	22.42	290.66	304.39	304.76	303.15	302.07	290.88	292.17
495.	270.27	248.07	126.12	30.83	25.42	22.20	22.07	287.19	292.88	292.09	292.14	292.81	293.66	292.24
500.	266.17	242.80	128.37	30.27	24.95	22.27	22.55	283.44	296.63	295.85	296.51	296.12	287.15	285.98
505.	261.41	242.10	117.85	30.19	24.65	21.85	22.27	280.51	292.00	292.32	292.80	291.22	286.90	289.34
510.	263.51	241.32	114.98	29.93	23.60	22.05	22.15	277.19	287.76	288.05	288.29	287.85	283.63	282.63
515.	261.66	236.61	112.85	29.29	23.85	22.22	22.70	274.34	285.02	284.49	283.19	282.68	279.46	279.02
520.	257.22	231.76	104.90	29.58	25.27	22.47	22.95	271.22	279.63	281.10	279.68	276.76	272.90	274.27
525.	253.49	231.07	96.67	29.61	25.20	22.77	23.05	268.34	277.08	277.78	277.95	277.71	271.83	271.24
530.	251.05	228.56	92.12	29.51	25.65	22.40	22.85	266.12	275.39	275.12	275.70	274.39	268.24	268.63
535.	245.34	232.25	87.59	29.71	24.15	22.57	22.60	263.63	272.05	273.61	272.80	272.10	265.07	264.44
540.	246.19	228.44	92.64	29.37	22.92	22.20	22.30	261.02	270.15	271.44	271.54	271.24	262.56	261.95
545.	244.56	231.27	101.93	29.72	24.42	22.45	22.60	258.37	266.39	266.80	267.29	265.80	258.07	257.93
550.	239.24	223.37	107.32	29.17	23.90	21.77	22.05	255.85	263.17	263.34	262.90	262.15	256.00	255.78
555.	238.00	225.42	100.44	29.45	24.75	21.90	22.10	253.56	260.27	259.88	258.34	256.68	252.34	253.63
560.	233.88	218.40	95.57	29.32	24.27	21.77	22.35	250.93	256.34	256.54	255.66	253.80	249.68	250.22
565.	232.95	217.97	100.61	29.42	23.67	22.22	21.85	248.37	252.68	252.46	251.15	249.17	243.93	246.07
570.	228.58	214.60	100.95	29.05	24.10	21.80	22.07	245.98	248.80	249.63	248.46	247.22	241.90	243.44
575.	232.85	207.56	113.51	28.75	24.17	22.20	21.80	243.88	247.07	247.88	247.44	245.66	239.98	241.54
580.	229.60	206.80	103.68	28.63	23.97	21.52	21.82	241.44	244.85	244.93	245.15	242.41	237.63	238.34
585.	226.52	204.51	90.98	28.90	23.20	22.25	22.60	239.10	240.54	240.66	239.90	239.93	234.24	235.07
590.	224.62	203.56	91.02	28.80	24.02	22.27	22.60	236.88	237.37	238.44	237.12	236.27	232.32	233.34
595.	221.57	198.51	84.98	28.57	24.17	22.05	22.00	234.63	234.19	235.10	234.29	233.76	229.54	230.37
600.	219.00	201.38	93.71	28.65	24.07	21.80	22.12	232.44	231.93	233.15	232.73	231.12	232.63	233.50
605.	216.40	199.02	93.33	28.42	23.67	22.40	22.20	230.41	228.37	229.44	229.24	227.95	229.60	230.65
610.	207.71	195.87	87.40	28.25	22.88	21.75	22.22	228.54	231.07	231.85	230.70	229.60	226.10	226.77
615.	205.85	192.47	78.93	28.07	23.55	21.97	21.67	232.02	228.60	229.50	228.57	226.27	223.10	223.22
620.	202.93	189.25	77.86	28.40	23.77	21.97	21.80	230.40	225.63	226.10	224.82	223.17	219.45	218.80
625.	200.41	187.32	89.14	28.35	24.52	21.82	21.95	229.25	223.55	221.95	221.75	220.45	217.27	216.13
630.	203.15	185.90	60.81	28.52	23.77	21.60	22.12	227.52	221.70	220.75	219.40	217.20	213.52	213.57
635.	201.57	183.45	69.58	28.00	22.92	21.65	22.10	225.63	219.38	218.32	217.02	215.15	205.00	205.98
640.	199.27	173.55	79.93	28.37	24.47	21.95	21.80	223.80	217.02	215.75	213.52	206.98	202.85	201.51
645.	194.82	175.15	81.59	28.35	23.47	22.32	21.80	222.20	214.82	213.95	206.46	205.19	201.10	200.65
650.	194.82	166.20	82.88	27.63	23.32	22.02	21.97	220.38	207.54	206.56	204.41	201.98	202.47	199.34
655.	191.50	167.55	85.21	27.60	23.22	21.80	22.02	218.85	205.10	204.17	202.18	199.78	200.02	197.52
660.	188.60	160.82	63.98	28.42	23.72	21.77	21.42	217.25	203.54	202.27	199.80	201.75	197.10	194.17
665.	186.20	160.60	57.34	28.22	23.63	21.57	21.97	215.45	202.60	200.61	202.95	199.67	193.55	191.67
670.	185.72	157.62	71.39	27.88	22.97	22.27	21.80	213.88	201.05	199.17	201.45	196.55	191.22	189.30
675.	183.92	154.52	64.26	27.70	23.67	22.10	22.12	207.49	200.19	202.45	199.15	193.32	189.75	186.15
680.	180.62	148.60	70.19	27.75	24.47	21.82	22.10	205.98	198.90	200.47	196.77	191.75	186.27	184.65
685.	179.17	146.97	71.54	27.47	23.92	21.82	21.70	204.90	202.30	199.10	193.67	189.75	183.40	181.25
690.	175.77	145.72	63.48	28.05	23.95	21.92	22.57	203.41	200.57	197.45	193.57	188.13	183.47	178.55
695.	171.52	145.27	54.56	28.27	24.02	22.15	22.07	202.29	198.82	196.07	191.55	186.47	179.22	174.75
700.	171.05	142.10	53.83	28.02	23.97	21.67	21.77	200.93	197.45	194.60	189.77	183.57	179.02	175.07
705.	170.00	136.55	63.45	27.52	23.77	22.15	21.00	199.63	196.05	193.47	188.32	182.82	175.85	172.35
710.	167.60	134.13	46.29	27.72	24.47	21.92	22.17	198.41	194.52	192.45	187.40	181.27	174.37	170.47
715.	167.17	135.55	50.61	27.35	24.22	22.00	21.85	202.12	193.77	191.35	185.38	180.45	173.32	168.17
720.	162.97	129.44	45.00	27.25	23.40	22.05	21.85	201.10	190.22	189.65	182.77	179.85	170.97	165.72

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	162.57	126.37	59.00	27.77	24.85	21.85	22.07	200.00	191.15	188.50	180.67	173.82	168.42	164.35
730.	158.17	122.98	57.95	28.13	24.17	21.90	21.97	198.77	190.10	187.40	179.72	170.85	167.27	162.32
735.	156.77	118.51	49.15	28.00	23.17	22.02	21.70	197.75	189.02	186.60	179.37	171.63	164.40	158.05
740.	152.82	119.88	59.12	27.60	24.27	22.12	22.05	196.97	188.00	185.32	178.35	170.30	161.52	154.52
745.	157.13	112.78	44.56	27.77	24.42	22.12	21.75	195.77	186.72	184.17	177.27	167.92	161.07	153.75
750.	153.07	116.17	44.05	28.17	24.05	22.00	22.22	194.75	185.50	182.97	176.27	167.10	158.57	152.15
755.	150.67	113.98	40.51	28.32	24.65	22.45	22.40	193.63	184.45	181.75	175.00	166.52	157.15	149.97
760.	149.32	112.98	54.51	27.85	24.17	22.60	22.42	192.63	183.57	181.02	174.80	164.22	154.95	148.47
765.	151.17	110.68	54.49	27.77	24.05	21.88	21.52	191.50	182.32	180.20	173.65	163.97	153.32	148.65
770.	147.15	109.56	58.57	27.15	23.77	22.10	22.50	190.52	181.40	179.90	171.70	161.32	151.80	146.42
775.	147.30	109.15	58.78	26.85	23.17	22.02	21.97	189.52	180.75	178.35	171.07	161.57	150.52	143.25
780.	146.00	106.49	58.38	26.90	24.47	22.25	21.90	188.72	179.72	176.90	169.55	160.95	149.47	140.52
785.	146.15	102.10	52.93	27.45	24.52	22.50	22.25	187.63	178.65	176.32	169.55	159.20	149.20	139.22
790.	148.40	104.37	59.90	27.55	24.52	22.45	22.17	186.90	178.02	175.45	168.13	158.17	147.50	137.97
795.	144.63	102.29	45.22	27.38	24.27	22.35	22.40	185.92	177.12	174.27	167.52	156.75	145.55	136.45
800.	141.20	102.27	50.27	27.25	24.02	23.22	23.27	185.15	176.27	173.57	165.85	157.00	144.47	135.57
805.	142.80	101.10	54.83	27.57	23.87	22.47	22.70	184.25	175.38	172.97	165.77	154.47	144.02	135.45
810.	137.57	96.26	56.39	27.47	24.88	22.55	22.40	183.17	174.15	171.50	164.15	153.52	143.10	133.42
815.	135.27	94.76	61.00	27.12	23.45	21.90	22.17	182.32	173.15	170.72	163.37	152.15	142.10	134.00
820.	135.57	95.38	61.74	26.42	23.72	21.92	22.17	181.42	172.45	170.22	163.25	151.85	140.80	127.83
825.	138.20	93.74	64.69	26.32	23.47	22.17	21.97	180.55	171.55	169.13	162.02	151.60	139.40	126.05
830.	137.90	93.00	55.10	26.57	24.32	22.05	22.02	179.88	170.80	168.15	160.57	149.63	139.25	126.71
835.	136.32	92.59	58.29	27.22	24.90	22.45	21.95	179.22	170.22	167.25	159.30	150.10	138.20	125.49

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	29.93	29.39	28.77	28.00	29.47	29.45	26.38	25.92	27.02	31.56	43.22	26.17	25.67	25.82
0.	29.88	29.85	28.55	28.05	29.40	29.25	26.25	26.17	26.95	31.39	43.24	27.02	26.55	25.82
0.	29.85	29.75	28.57	28.52	29.07	29.38	26.45	26.15	26.13	31.10	43.22	26.52	25.63	25.75
0.	30.44	29.44	28.82	28.50	29.07	29.47	26.63	26.20	26.82	31.19	43.22	27.17	26.90	25.90
0.	30.49	29.51	28.45	28.15	29.05	29.25	26.30	26.02	27.05	31.19	43.24	26.82	26.47	25.95
0.	29.66	29.17	28.32	28.37	29.27	28.82	26.39	26.00	26.77	31.05	43.27	26.25	26.38	25.92
5.	33.95	33.07	32.58	31.85	30.39	31.71	28.85	28.22	28.55	32.46	43.27	28.30	27.75	27.00
10.	37.32	35.63	34.34	33.34	31.95	32.58	29.35	28.57	28.47	32.83	44.07	28.60	27.77	27.05
15.	45.68	40.44	38.22	35.49	33.37	33.46	29.85	28.67	29.38	33.56	46.56	28.30	28.35	27.22
20.	55.68	51.34	46.22	37.59	33.58	35.05	30.00	29.17	29.88	34.98	48.93	29.40	28.90	27.35
25.	62.17	58.32	55.63	46.51	35.54	36.83	31.37	29.58	30.29	37.88	54.39	29.98	29.88	27.50
30.	90.17	79.45	63.55	58.44	37.88	45.00	33.56	30.61	31.34	43.61	63.45	31.32	30.12	27.77
35.	133.92	114.29	90.14	79.21	47.88	53.93	37.90	33.24	33.22	52.44	78.67	32.60	31.46	28.22
40.	187.63	166.97	137.27	111.63	60.05	62.45	42.32	35.95	37.88	62.95	97.62	34.83	37.24	28.85
45.	235.46	228.78	219.47	150.00	79.81	74.51	45.58	39.29	41.24	78.21	133.85	37.95	38.68	29.65
50.	296.29	277.12	253.29	196.45	86.24	83.29	50.58	43.37	43.41	101.63	158.60	39.85	39.05	29.76
55.	312.90	294.32	282.58	220.07	93.69	87.40	52.95	46.02	47.93	119.76	178.47	41.00	41.80	31.02
60.	313.24	292.02	281.95	231.00	110.34	107.32	57.37	47.32	45.73	141.52	193.87	41.51	41.73	32.32
65.	319.43	302.02	284.61	234.78	124.00	117.95	61.57	48.66	50.07	153.85	202.88	46.15	45.17	33.90
70.	312.62	296.83	289.24	248.71	125.68	124.61	67.50	54.65	57.66	153.45	219.20	51.56	50.37	36.10
75.	313.79	311.37	314.71	291.80	153.47	135.38	75.19	57.10	58.17	162.00	231.02	52.85	51.15	38.37
80.	343.85	314.26	306.10	278.80	187.57	139.82	80.07	59.81	59.62	165.22	232.02	57.27	58.19	40.51
85.	328.55	312.93	315.02	296.07	199.37	141.00	83.98	64.07	63.49	164.92	243.51	58.22	57.98	42.85
90.	345.29	318.85	312.10	296.07	230.24	152.25	87.40	70.90	65.86	171.32	252.71	60.64	60.14	44.83
95.	342.95	340.37	315.52	310.39	237.10	167.52	96.90	75.10	67.48	177.27	266.95	64.90	61.52	47.32
100.	356.90	346.83	329.79	318.57	264.22	171.37	103.71	79.17	69.66	185.17	274.46	65.49	59.79	49.54
105.	353.12	347.88	312.71	291.81	236.98	172.45	109.07	82.86	72.73	187.35	272.41	74.37	70.19	51.44
110.	350.81	341.93	328.38	321.29	262.66	182.63	118.71	83.19	74.93	184.42	273.41	66.88	65.71	54.37
115.	353.95	342.90	324.62	316.62	287.19	185.38	127.68	100.88	78.09	185.00	274.39	70.83	79.07	56.58
120.	352.76	340.40	320.02	313.00	269.98	180.72	129.49	94.67	75.54	184.82	282.63	72.44	69.98	59.19
125.	351.14	343.44	322.26	313.59	259.44	193.97	135.90	88.12	77.74	181.35	286.10	78.44	74.05	58.67
130.	358.09	342.90	320.74	317.66	256.10	189.57	124.51	104.00	81.71	184.47	290.58	76.49	73.05	60.79
135.	350.98	340.88	318.09	307.34	257.12	184.07	124.80	105.22	79.55	182.00	289.56	78.83	76.63	62.24
140.	343.24	342.66	326.57	316.67	253.66	185.60	140.02	105.54	79.36	185.25	293.37	77.39	75.78	62.29
145.	359.48	350.52	339.73	314.76	277.80	201.50	129.85	101.10	78.00	185.02	296.12	78.63	74.98	62.59
150.	357.26	344.62	322.43	315.33	258.27	183.92	133.95	105.12	80.49	191.97	296.00	79.41	77.17	64.07
155.	359.79	342.81	328.19	317.02	261.02	194.42	140.82	110.51	78.76	191.45	290.08	74.29	77.70	64.93
160.	352.83	340.93	327.90	317.21	278.15	199.62	145.42	108.71	79.67	198.42	292.76	80.95	77.15	64.62
165.	365.09	357.52	346.27	344.58	294.07	231.00	146.17	100.88	83.50	202.80	309.34	83.76	80.02	65.09
170.	363.64	348.50	342.27	322.00	286.05	228.73	157.67	102.93	82.33	203.56	312.34	83.29	79.24	66.24
175.	364.79	351.69	348.49	341.15	280.66	231.10	157.07	115.02	80.74	205.51	311.24	85.09	80.86	69.93
180.	366.67	356.07	347.64	348.39	290.93	239.88	163.47	119.68	90.86	216.95	313.14	84.98	82.26	71.19
185.	366.12	354.71	345.14	343.15	303.78	229.30	152.72	114.12	88.69	204.49	315.43	82.69	87.40	72.88
190.	369.19	361.38	346.90	326.81	273.73	198.98	138.22	122.39	90.58	197.67	315.69	89.26	100.78	73.93
195.	362.72	354.17	343.85	345.29	288.56	217.55	145.88	110.63	90.57	200.63	317.57	84.31	87.36	74.90
200.	365.72	356.24	345.88	322.19	279.32	201.32	145.52	121.93	89.74	200.95	314.98	86.07	90.09	74.12
205.	367.60	351.02	341.52	340.54	276.54	199.93	142.00	117.19	93.57	196.75	317.17	87.79	89.59	74.54
210.	370.02	354.02	345.05	341.29	289.46	208.20	150.82	123.15	89.14	194.72	320.82	81.45	85.17	74.22
215.	369.98	357.74	351.57	342.43	289.95	199.17	149.97	111.46	87.85	200.00	322.69	84.21	91.59	73.10
220.	367.00	354.43	344.44	316.62	265.02	197.15	141.00	112.85	85.90	204.68	322.26	82.02	89.64	72.87

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	363.79	355.14	345.88	321.88	266.51	203.25	137.15	121.58	90.09	201.58	323.26	85.86	88.98	71.02
230.	363.91	357.69	346.50	343.29	278.32	197.62	134.70	118.71	88.17	203.85	326.93	86.74	93.67	71.24
235.	384.48	361.05	348.46	324.33	277.12	203.32	136.63	118.32	87.43	205.93	329.21	85.24	89.12	71.02
240.	365.95	364.90	351.59	346.76	272.95	204.10	146.95	122.00	90.90	222.15	339.95	89.88	102.51	71.15
245.	382.88	361.81	354.31	347.79	293.19	219.60	148.02	120.58	91.69	225.82	344.02	81.74	92.71	70.90
250.	382.19	368.93	358.76	350.12	287.90	207.05	152.25	129.56	93.57	227.67	347.61	86.62	92.52	71.56
255.	367.53	363.84	367.67	357.93	293.76	216.02	157.50	125.56	101.02	217.17	342.69	90.43	100.58	72.49
260.	381.50	366.74	357.69	347.00	286.46	224.95	148.75	120.95	89.74	216.85	345.31	87.95	90.71	73.50
265.	388.83	368.93	357.55	344.74	273.15	206.49	147.45	125.41	93.49	217.77	345.62	86.69	95.05	73.29
270.	387.64	365.91	354.83	342.02	268.58	214.95	142.49	125.24	93.55	220.15	347.00	89.81	95.07	73.07
275.	370.44	359.31	348.36	346.61	261.95	206.80	146.32	125.49	92.24	220.77	345.24	79.02	91.95	72.61
280.	384.21	364.00	353.62	344.88	277.19	201.66	148.65	120.85	92.48	221.82	344.17	89.33	93.71	72.10
285.	380.88	362.51	360.31	352.26	294.93	213.70	150.97	119.24	90.24	220.25	344.95	88.52	90.71	72.34
290.	367.56	364.38	355.86	353.36	287.07	220.00	162.50	121.58	90.36	207.24	347.86	91.90	94.14	72.56
295.	381.55	362.26	361.90	346.85	279.34	221.52	162.77	120.32	95.43	214.97	349.00	91.67	96.76	72.90
300.	381.55	363.98	352.95	341.98	275.51	226.17	155.57	120.39	93.12	223.00	349.55	88.21	96.76	74.02
305.	381.50	369.90	358.24	344.64	270.80	222.95	156.92	117.07	93.98	220.65	349.26	88.81	95.71	75.22
310.	370.07	361.74	353.93	342.69	287.93	220.27	155.07	122.51	95.36	221.50	351.09	90.26	95.45	76.32
315.	368.39	360.29	351.29	343.59	274.63	217.77	153.35	119.05	95.69	226.05	351.79	87.40	93.09	76.61
320.	371.35	367.69	358.38	352.98	275.07	213.65	154.95	125.27	92.40	222.27	351.31	88.93	97.24	76.76
325.	385.71	364.56	360.95	350.95	301.93	217.50	160.57	135.15	94.31	220.00	351.86	89.55	101.93	76.80
330.	382.83	369.62	359.09	352.79	290.34	202.63	152.90	123.71	104.41	224.88	352.02	91.40	102.88	77.27
335.	367.07	365.48	355.90	345.95	284.34	219.57	152.02	123.58	100.93	227.15	351.36	96.12	102.61	78.02
340.	367.23	366.88	358.36	344.88	278.98	217.52	152.10	127.10	93.83	225.27	351.86	87.24	93.64	77.95
345.	382.74	363.44	364.43	358.09	303.24	222.15	161.55	124.10	94.24	220.95	352.36	90.64	97.00	77.12
350.	367.86	364.55	354.09	343.14	292.83	237.49	153.00	116.00	92.50	223.12	350.24	87.24	93.81	76.00
355.	366.33	359.33	351.24	340.29	280.98	229.45	156.20	121.46	97.49	227.40	350.52	86.55	96.52	75.56
360.	369.12	362.17	353.36	346.45	285.54	225.20	165.00	124.37	95.59	227.60	348.69	86.12	94.76	75.66
365.	361.98	359.86	352.79	347.64	294.85	227.38	152.60	120.15	93.76	228.05	349.07	90.93	92.59	75.34
370.	363.65	360.81	348.21	338.78	279.68	202.72	148.22	133.97	94.26	225.32	349.80	96.69	103.32	75.32
375.	366.31	357.88	346.29	322.09	260.22	215.60	142.32	136.57	104.39	232.22	348.62	89.55	100.83	75.78
380.	360.07	357.29	346.36	340.02	252.44	208.75	138.45	125.95	101.29	225.42	344.83	91.33	101.34	75.80
385.	359.76	352.02	346.10	320.76	262.22	195.75	139.88	120.58	93.26	221.17	341.48	87.38	90.95	74.76
390.	354.88	343.71	342.22	317.05	252.10	200.85	140.85	126.61	93.55	221.63	347.37	91.05	97.02	74.19
395.	353.14	345.95	343.68	314.52	251.85	196.42	137.57	117.24	94.64	222.82	345.34	88.93	93.57	74.10
400.	346.02	342.24	329.95	311.88	251.29	195.25	137.32	129.85	97.14	218.20	342.88	94.52	101.10	73.78
405.	347.64	344.21	343.10	316.41	245.61	195.20	141.90	129.02	96.31	216.50	340.66	91.00	100.95	73.85
410.	343.98	348.54	339.83	315.07	233.05	201.05	123.93	119.90	94.09	216.80	338.36	92.93	95.57	74.05
415.	341.88	339.76	317.83	306.88	238.19	192.38	134.02	127.44	89.14	214.45	326.45	83.86	93.14	74.12
420.	347.15	330.14	316.71	292.00	238.71	188.02	127.46	125.76	92.95	205.54	323.59	87.81	94.33	74.22
425.	328.64	321.24	311.24	295.76	228.71	185.45	128.34	119.85	89.74	203.05	319.45	86.26	92.26	73.63
430.	325.76	321.93	311.07	292.07	229.55	174.42	120.37	110.49	92.09	198.46	315.05	83.67	89.86	72.71
435.	323.76	317.79	314.78	289.07	231.85	170.70	117.39	108.95	87.80	201.00	312.00	87.50	92.50	72.17
440.	322.26	316.36	314.66	285.90	232.63	167.13	119.60	107.90	88.95	197.47	315.90	83.86	89.59	71.46
445.	313.95	313.05	311.22	287.71	227.30	167.88	123.70	110.37	89.21	201.40	312.71	79.05	91.05	70.73
450.	316.09	317.00	305.32	279.98	218.22	159.90	109.63	103.76	88.52	200.42	309.51	81.36	87.62	69.95
455.	311.48	315.39	304.68	276.15	223.57	157.18	110.80	119.76	90.48	196.82	306.51	83.48	92.55	67.30
460.	312.02	310.98	301.51	273.02	205.68	151.50	111.61	107.80	80.67	196.80	303.90	85.29	83.79	67.14
465.	312.98	306.73	285.76	266.85	204.07	156.88	111.63	113.05	84.95	196.57	293.49	79.00	83.29	67.17
470.	309.17	294.29	283.80	260.88	200.17	156.13	110.63	107.95	81.83	190.45	297.22	80.26	84.14	66.90

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	294.14	296.76	280.73	256.10	200.88	147.07	109.07	107.54	79.09	185.75	294.19	80.76	77.71	66.36
480.	296.66	293.37	269.05	245.24	191.22	152.88	100.73	102.49	79.52	183.22	290.32	77.37	81.07	66.05
485.	294.17	289.93	267.63	246.12	194.47	150.52	101.61	105.02	80.33	179.27	287.17	77.56	79.67	65.79
490.	290.17	288.58	263.15	236.90	193.47	159.42	102.02	95.14	80.45	177.20	284.17	78.02	81.00	65.02
495.	287.24	283.07	257.19	233.46	193.97	145.85	91.95	96.17	78.73	172.88	281.12	75.19	77.83	64.33
500.	282.78	280.54	252.44	230.02	184.22	140.20	90.64	87.83	77.93	170.32	277.03	74.93	79.62	64.19
505.	282.32	277.66	248.32	232.46	182.38	133.95	93.86	87.55	77.56	172.67	275.12	75.44	80.74	63.67
510.	276.83	275.10	246.15	233.35	183.72	138.27	96.07	94.29	76.63	170.60	272.39	76.12	77.98	63.38
515.	275.15	272.27	247.54	231.55	185.15	127.61	95.31	94.69	77.67	165.65	270.07	76.19	75.44	63.05
520.	271.68	269.41	245.63	224.32	176.30	119.39	90.02	95.79	78.07	167.25	266.80	67.31	75.34	62.74
525.	266.78	265.39	242.27	217.15	165.55	119.12	90.17	96.36	75.37	162.55	264.10	72.20	74.95	61.98
530.	265.27	262.39	232.22	218.45	176.65	127.88	89.30	90.93	75.88	160.97	262.07	74.19	76.00	61.48
535.	263.10	260.00	231.71	214.85	176.05	122.49	86.36	89.17	74.17	156.38	259.51	72.41	73.71	60.95
540.	260.22	257.63	231.88	215.75	171.35	122.83	91.33	87.83	76.41	154.65	257.24	74.90	79.15	60.52
545.	255.88	254.10	230.92	203.83	164.95	117.12	89.31	83.69	76.17	157.20	254.49	74.39	74.63	60.17
550.	253.54	250.05	227.75	201.56	158.55	111.73	87.62	84.83	75.00	159.07	252.22	72.37	77.03	59.81
555.	251.41	246.83	224.95	198.49	163.50	118.00	87.64	83.08	72.37	154.72	249.93	71.17	71.63	59.45
560.	248.61	243.49	219.80	202.60	161.63	119.12	89.76	85.48	72.41	150.80	247.49	70.27	70.46	59.52
565.	244.85	240.98	218.40	199.30	164.38	121.44	83.12	83.38	72.12	145.38	244.95	70.83	72.54	59.29
570.	242.05	235.02	215.07	199.42	160.42	122.51	84.57	78.45	73.10	145.40	242.80	66.59	72.17	59.12
575.	239.56	235.46	206.51	196.35	158.77	107.78	85.83	80.14	65.86	144.40	240.76	66.98	67.21	59.09
580.	236.49	229.41	204.90	191.47	159.00	114.85	81.95	81.59	66.14	143.70	238.41	67.45	67.14	58.71
585.	233.07	231.88	204.49	188.25	157.85	109.88	80.79	82.38	66.48	141.45	236.24	69.71	70.68	58.29
590.	231.00	228.55	201.60	184.47	153.92	103.15	79.93	79.76	67.64	139.25	233.90	65.69	66.40	58.02
595.	228.24	223.57	197.30	181.90	154.82	101.82	79.26	77.17	66.55	137.25	231.88	63.62	63.81	58.95
600.	231.13	217.63	195.52	177.97	147.00	102.83	79.00	74.98	64.52	135.72	229.83	65.52	62.57	58.71
605.	227.42	214.22	191.60	175.92	143.32	96.31	76.49	75.71	65.29	135.55	233.45	62.59	62.64	58.02
610.	221.67	207.61	183.47	171.37	139.95	94.88	74.54	74.02	65.02	135.90	231.52	66.07	69.76	57.63
615.	218.65	203.85	180.90	168.77	137.55	93.17	75.07	78.66	65.71	129.37	229.47	66.26	66.62	57.32
620.	214.70	201.49	175.35	166.92	139.35	94.05	75.90	74.58	65.69	127.15	227.62	60.14	65.02	56.95
625.	206.39	199.73	173.55	162.20	129.80	90.67	77.34	73.56	65.52	124.12	225.47	62.50	65.33	56.73
630.	203.78	197.82	175.40	162.77	135.90	90.24	76.39	75.71	65.81	125.05	223.57	63.81	62.90	56.19
635.	199.88	196.67	170.63	159.65	129.76	90.76	76.58	76.27	65.49	124.54	221.70	58.71	61.21	56.07
640.	202.62	191.63	165.47	156.13	125.39	87.81	73.02	64.62	63.02	122.80	220.05	59.79	62.09	55.34
645.	198.97	184.02	166.50	152.80	128.85	89.31	72.37	65.55	64.26	120.02	218.25	61.79	64.83	55.34
650.	201.32	181.47	164.52	151.95	126.90	88.98	71.78	73.02	65.14	119.34	216.37	59.21	62.76	55.17
655.	192.15	180.70	159.30	150.32	121.66	86.79	71.17	64.81	59.48	119.95	214.70	58.54	60.73	54.98
660.	188.67	178.22	161.25	149.02	120.05	85.38	69.80	64.57	64.33	118.66	207.63	58.63	59.80	54.41
665.	187.75	176.82	159.07	145.45	117.37	85.29	66.86	65.79	62.55	117.66	206.24	57.86	61.07	53.90
670.	184.42	174.85	156.62	146.47	121.37	91.00	66.96	71.98	61.69	116.24	204.05	57.98	61.09	53.46
675.	181.57	172.13	154.77	142.12	118.80	85.83	65.07	66.93	60.90	111.32	203.39	58.39	57.06	52.95
680.	180.27	169.85	150.85	139.55	115.90	83.67	66.02	65.74	61.90	111.12	201.00	54.90	59.12	52.37
685.	174.52	164.13	151.07	139.82	110.80	86.07	63.38	67.26	59.64	108.05	200.54	56.00	58.91	52.05
690.	172.57	163.82	149.60	137.07	116.66	86.02	63.79	63.31	61.17	108.02	199.15	57.34	58.14	51.71
695.	168.40	160.20	143.63	135.40	114.90	82.50	65.00	62.24	60.19	109.41	203.02	57.24	58.83	51.34
700.	167.70	158.20	141.72	133.47	115.00	85.29	66.09	61.00	59.21	108.68	201.70	58.57	58.58	51.34
705.	165.72	154.88	142.70	133.42	112.24	84.83	63.90	62.45	58.58	107.85	200.17	53.85	57.78	51.34
710.	164.80	153.70	141.95	125.93	109.58	79.02	64.12	57.93	58.31	107.80	199.20	55.76	58.90	51.10
715.	162.02	152.67	139.72	129.63	108.80	78.33	61.48	62.02	59.43	104.49	197.92	56.37	57.33	51.00
720.	160.52	150.88	138.17	125.10	111.15	78.43	59.64	62.24	56.00	104.00	196.07	54.46	53.27	50.59

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	156.27	146.95	136.27	121.88	109.32	81.81	61.50	61.02	56.61	102.15	195.63	54.95	54.78	50.17
730.	155.50	142.57	134.92	122.80	105.10	77.24	60.12	60.95	59.19	101.80	194.52	55.15	58.17	50.34
735.	150.82	141.02	134.97	122.58	105.39	78.48	60.57	58.73	59.14	101.66	193.50	54.24	57.56	50.12
740.	148.77	138.92	128.68	121.10	103.58	79.17	60.62	60.40	57.95	100.73	192.50	52.93	56.12	49.80
745.	150.88	138.22	127.83	120.37	105.05	77.74	59.15	59.55	57.51	100.76	191.52	54.19	56.44	49.66
750.	147.80	137.40	127.56	119.46	103.39	80.74	59.50	61.02	55.24	94.95	190.63	53.32	54.54	49.27
755.	144.22	129.41	126.90	118.22	104.32	78.64	58.52	59.79	55.39	92.64	189.57	51.60	54.10	49.10
760.	142.05	133.40	126.80	116.46	102.56	76.90	57.78	57.83	57.19	95.24	188.72	53.93	55.80	48.93
765.	139.63	128.71	122.22	113.85	96.07	71.27	58.54	58.48	54.93	93.00	187.77	53.46	54.66	48.85
770.	137.97	126.68	123.44	110.78	92.83	70.93	58.02	58.45	55.00	91.93	186.52	53.24	56.10	48.73
775.	135.00	123.88	123.41	112.49	93.29	71.83	58.32	58.93	55.37	90.33	185.80	51.39	53.44	48.19
780.	134.60	120.80	119.83	112.29	94.31	73.05	58.12	58.58	56.12	90.19	185.00	51.07	54.39	47.76
785.	129.46	122.24	118.51	111.93	96.90	73.07	56.88	57.86	54.32	91.43	184.13	49.49	51.17	47.49
790.	128.54	121.76	122.15	109.83	92.57	71.73	56.07	56.27	52.22	90.36	183.22	49.54	50.39	47.17
795.	128.90	121.61	118.76	108.24	91.29	71.02	57.88	56.54	52.51	90.79	182.38	51.12	52.19	46.68
800.	127.90	119.17	117.00	109.07	93.24	70.76	55.93	56.51	51.22	89.29	181.60	49.85	51.00	46.46
805.	123.95	114.98	115.05	109.88	92.09	67.59	55.98	57.61	52.34	88.48	180.70	50.68	51.90	46.54
810.	124.19	116.80	115.90	108.85	90.19	66.57	54.63	55.12	51.73	87.81	180.00	49.29	49.63	46.54
815.	121.37	116.63	112.95	107.98	91.45	69.76	54.76	56.61	53.61	87.43	179.15	50.19	51.80	46.34
820.	122.68	116.82	114.85	106.85	91.21	70.39	53.56	55.15	51.93	86.95	178.30	50.78	49.32	46.51
825.	121.05	114.80	113.17	105.98	92.29	65.76	54.66	53.39	54.00	85.90	177.57	51.80	52.29	46.56
830.	119.78	113.80	111.85	105.51	90.07	71.32	53.63	52.44	52.56	85.14	176.85	51.85	51.39	46.37
835.	118.76	109.29	109.61	106.85	90.09	66.71	53.71	53.56	50.34	84.83	176.10	47.27	48.19	46.87

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	27.07	27.42	19.34	6301.68	0.01	0.00	0.00	0.43	0.00	0.00	0.00	0.00	21.00	-0.25
0.	27.02	27.30	29.55	6323.64	0.01	0.00	0.00	0.25	0.00	0.00	0.00	0.00	21.00	0.07
0.	26.77	27.55	40.04	6323.64	0.01	0.00	0.00	-0.14	0.00	0.00	0.00	0.00	21.01	0.00
0.	27.02	27.75	50.26	6345.64	0.02	0.00	0.00	-0.08	0.00	0.00	0.00	0.00	21.00	0.14
0.	26.77	27.38	59.53	6323.64	0.02	0.00	0.00	-0.52	0.00	0.00	0.00	0.00	21.00	-0.12
0.	26.90	27.10	69.74	6323.64	0.01	0.00	0.00	-0.36	0.00	0.00	0.00	0.00	21.00	0.16
5.	29.27	30.02	10.10	6323.64	0.02	0.02	0.03	0.90	0.00	0.00	0.00	0.00	20.87	0.93
10.	31.19	31.34	19.33	6389.58	0.02	0.03	0.03	0.69	0.00	0.00	0.00	0.00	20.85	0.72
15.	32.93	33.32	29.54	6323.64	0.03	0.04	0.05	0.38	0.00	0.00	0.00	0.00	20.73	-0.18
20.	32.51	34.12	40.04	6345.64	0.06	0.06	0.09	-0.21	0.00	0.00	0.00	0.01	20.61	0.90
25.	37.73	36.19	50.26	6301.68	0.11	0.10	0.14	-0.26	0.00	0.00	0.00	0.01	20.60	3.00
30.	40.63	40.02	59.52	6301.68	0.20	0.17	0.30	-0.28	0.00	0.00	0.00	0.02	20.83	0.06
35.	50.71	48.51	69.74	6279.70	0.29	0.26	0.46	-0.37	0.00	0.00	0.00	0.05	20.82	3.89
40.	58.00	58.12	10.10	6191.77	0.42	0.34	0.71	3.28	0.00	0.00	0.00	0.09	19.94	6.29
45.	77.29	78.32	19.33	6147.83	0.58	0.39	1.11	2.95	0.00	0.00	0.00	0.14	18.92	4.40
50.	86.12	84.83	29.55	6059.89	0.69	0.42	1.42	1.33	0.00	0.00	0.00	0.17	17.88	7.03
55.	71.27	79.43	40.04	5971.98	0.81	0.41	1.86	-0.69	0.00	0.00	0.00	0.17	16.44	10.65
60.	82.02	89.33	50.26	5906.05	0.80	0.36	1.86	-0.90	0.00	0.00	0.00	0.17	15.08	12.07
65.	115.88	114.34	59.53	5840.08	0.81	0.32	1.86	-0.97	0.00	0.00	0.00	0.16	13.61	8.66
70.	134.13	122.07	69.75	5708.20	0.84	0.30	2.01	-1.03	0.00	0.00	0.00	0.16	12.61	8.62
75.	136.07	143.67	10.11	5664.27	0.87	0.28	2.24	4.13	0.00	0.00	0.00	0.16	11.95	6.31
80.	164.27	180.95	19.34	5510.39	0.88	0.26	2.28	3.49	0.00	0.00	0.00	0.15	11.39	12.29
85.	178.65	196.15	29.55	5466.43	0.92	0.24	2.39	2.81	0.00	0.00	0.00	0.15	11.14	9.95
90.	237.00	230.34	40.05	5334.55	0.95	0.22	2.24	-0.72	0.00	0.00	0.00	0.16	10.83	8.43
95.	227.32	237.49	50.26	5268.61	0.97	0.22	2.43	-0.98	0.00	0.00	0.00	0.16	10.63	12.35
100.	239.24	255.88	59.52	5158.70	0.98	0.21	2.25	-1.28	0.00	0.00	0.00	0.18	10.47	12.36
105.	238.05	245.24	69.74	5114.77	0.91	0.23	2.39	-1.17	0.00	0.00	0.00	0.16	10.43	9.25
110.	248.17	257.93	10.11	4982.86	0.93	0.21	2.15	4.19	0.00	0.00	0.00	0.16	9.95	10.69
115.	306.54	284.27	19.34	4916.93	0.95	0.22	2.15	3.54	0.00	0.00	0.00	0.16	10.22	10.64
120.	269.78	275.58	29.56	4850.98	0.92	0.21	2.26	1.73	0.00	0.00	0.00	0.16	10.82	11.19
125.	248.49	263.95	40.05	4807.05	0.94	0.20	2.18	-0.69	0.00	0.00	0.00	0.16	10.69	11.04
130.	251.24	257.58	50.27	4741.08	0.92	0.20	2.12	-0.98	0.00	0.00	0.00	0.16	10.87	12.03
135.	247.15	262.12	59.54	4587.23	0.95	0.19	2.04	-1.15	0.00	0.00	0.00	0.16	10.90	11.43
140.	248.32	261.68	69.74	4587.23	0.92	0.27	2.06	-1.22	0.00	0.00	0.00	0.15	10.95	8.50
145.	278.49	283.44	10.11	4543.27	0.93	0.32	2.13	4.43	0.00	0.00	0.00	0.14	11.00	7.92
150.	246.46	266.71	19.34	4389.43	0.90	0.28	2.17	3.59	0.00	0.00	0.00	0.13	11.20	11.20
155.	261.76	270.95	29.56	4345.45	0.90	0.24	2.02	1.95	0.00	0.00	0.00	0.13	11.34	11.59
160.	280.15	284.63	40.06	4323.48	1.05	0.28	2.12	-0.75	0.00	0.00	0.00	0.12	11.48	9.55
165.	289.54	292.45	50.27	4169.61	1.00	0.27	2.13	-1.24	0.00	0.00	0.00	0.12	11.62	10.03
170.	265.56	288.95	59.54	4125.64	0.96	0.26	2.10	-1.31	0.00	0.00	0.00	0.11	11.84	10.23
175.	278.54	288.32	69.75	4081.71	1.14	0.26	2.16	-1.23	0.00	0.00	0.00	0.11	11.89	9.97
180.	301.80	309.49	10.11	4072.92	1.17	0.25	2.07	3.94	0.00	0.00	0.00	0.12	11.58	9.77
185.	289.80	311.41	19.35	3905.86	1.01	0.24	2.04	3.62	0.00	0.00	0.00	0.12	12.00	8.76
190.	270.56	281.98	29.56	3817.92	1.00	0.24	2.15	2.05	0.00	0.00	0.00	0.11	11.91	11.24
195.	281.10	296.02	40.05	3795.96	0.99	0.23	2.07	-0.84	0.00	0.00	0.00	0.11	11.62	10.14
200.	270.90	288.44	50.27	3730.02	1.01	0.22	2.06	-1.09	0.00	0.00	0.00	0.11	11.31	10.65
205.	273.49	280.41	59.53	3620.11	1.02	0.21	2.00	-1.18	0.00	0.00	0.00	0.10	11.90	9.75
210.	285.19	291.39	69.75	3554.18	1.01	0.22	2.16	-1.26	0.00	0.00	0.00	0.10	11.63	9.00
215.	271.66	292.37	10.11	3646.51	1.02	0.22	2.00	4.55	0.00	0.00	0.00	0.10	11.72	6.44
220.	258.17	272.68	19.35	3444.27	1.00	0.21	1.99	3.56	0.00	0.00	0.00	0.09	11.92	10.24

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	267.34	268.66	29.56	3400.33	1.05	0.21	1.95	2.35	0.00	0.00	0.00	0.08	11.99	9.60
230.	266.66	276.58	40.06	3356.35	1.07	0.21	2.07	-0.49	0.00	0.00	0.00	0.08	12.14	11.84
235.	280.24	286.37	50.27	3312.39	1.08	0.20	1.96	-1.10	0.00	0.00	0.00	0.07	12.14	15.10
240.	269.24	280.76	59.52	3224.47	1.13	0.20	2.02	-1.25	0.00	0.00	0.00	0.07	12.41	7.26
245.	283.15	297.00	69.75	3158.53	1.11	0.20	2.03	-1.19	0.00	0.00	0.00	0.06	12.69	8.66
250.	263.02	283.46	10.11	3189.30	1.07	0.20	2.16	4.60	0.00	0.00	0.00	0.06	12.52	10.63
255.	263.49	291.14	19.35	3070.61	1.09	0.20	2.13	3.09	0.00	0.00	0.00	0.06	12.28	9.17
260.	264.85	289.66	29.56	2938.73	1.07	0.20	2.18	2.29	0.00	0.00	0.00	0.06	12.36	11.93
265.	255.39	276.27	40.05	2916.75	1.13	0.20	2.10	-0.70	0.00	0.00	0.00	0.06	12.42	8.17
270.	260.76	273.51	50.26	2896.85	1.10	0.20	2.06	-1.02	0.00	0.00	0.00	0.06	12.35	10.06
275.	245.90	261.78	59.53	2762.89	1.09	0.19	2.02	-1.07	0.00	0.00	0.00	0.06	12.05	9.90
280.	268.56	280.88	69.74	2696.95	1.09	0.19	2.03	-1.24	0.00	0.00	0.00	0.06	11.94	10.40
285.	284.85	304.39	10.10	2780.47	1.10	0.19	2.00	4.59	0.00	0.00	0.00	0.06	11.95	11.61
290.	286.07	291.37	19.34	2587.05	1.18	0.19	2.05	3.79	0.00	0.00	0.00	0.05	12.12	7.60
295.	255.39	278.56	29.56	2565.07	1.13	0.19	1.99	2.43	0.00	0.00	0.00	0.05	12.43	6.90
300.	268.17	282.05	40.05	2521.11	1.11	0.19	1.98	-0.81	0.00	0.00	0.00	0.05	12.53	7.03
305.	268.12	290.90	50.26	2455.17	1.13	0.18	1.91	-1.15	0.00	0.00	0.00	0.05	12.43	11.03
310.	282.98	293.46	59.53	2389.23	1.10	0.18	1.94	-1.26	0.00	0.00	0.00	0.05	12.46	13.21
315.	265.12	286.69	69.75	2301.31	1.05	0.18	1.85	-1.24	0.00	0.00	0.00	0.05	12.90	11.29
320.	262.66	274.71	10.11	2367.25	1.07	0.18	1.91	4.67	0.00	0.00	0.00	0.05	12.65	9.54
325.	302.93	291.76	19.36	2213.39	1.11	0.18	1.82	3.71	0.00	0.00	0.00	0.05	12.51	9.85
330.	293.19	291.90	29.57	2147.45	1.08	0.18	1.84	2.38	0.00	0.00	0.00	0.05	12.64	8.95
335.	269.15	290.27	40.06	2081.51	1.03	0.17	1.88	-0.85	0.00	0.00	0.00	0.05	12.77	7.34
340.	274.19	288.68	50.27	2059.53	1.07	0.17	1.82	-1.05	0.00	0.00	0.00	0.05	12.95	10.34
345.	307.02	306.07	59.54	2015.57	1.10	0.17	1.82	-1.14	0.00	0.00	0.00	0.05	13.03	0.20
350.	284.63	292.09	69.75	1949.63	1.10	0.17	1.80	-1.19	0.00	0.00	0.00	0.05	13.00	9.73
355.	269.73	291.22	10.11	1993.59	1.06	0.18	1.70	4.58	0.00	0.00	0.00	0.05	13.10	14.15
360.	285.83	293.73	19.35	1861.71	1.09	0.18	1.74	3.74	0.00	0.00	0.00	0.05	13.21	6.12
365.	279.54	293.52	29.56	1773.79	1.07	0.18	1.77	2.44	0.00	0.00	0.00	0.04	13.40	9.03
370.	273.66	277.88	40.05	1795.77	1.07	0.18	1.80	-0.67	0.00	0.00	0.00	0.04	13.73	9.10
375.	241.49	255.39	50.27	1685.87	1.06	0.17	1.63	-1.10	0.00	0.00	0.00	0.04	13.64	9.91
380.	237.24	255.49	59.53	1619.93	1.05	0.16	1.60	-1.07	0.00	0.00	0.00	0.04	13.43	10.53
385.	249.51	266.98	69.74	1575.97	1.04	0.16	1.52	-1.21	0.00	0.00	0.00	0.04	13.52	10.06
390.	244.58	257.24	10.10	1694.66	1.01	0.15	1.50	4.53	0.00	0.00	0.00	0.04	13.65	7.97
395.	235.24	251.32	19.34	1532.81	1.03	0.15	1.46	3.47	0.00	0.00	0.00	0.04	13.72	6.10
400.	232.80	243.56	29.55	1488.05	1.02	0.15	1.46	2.09	0.00	0.00	0.00	0.04	14.16	8.40
405.	233.83	249.73	40.06	1444.09	0.99	0.15	1.40	-0.93	0.00	0.00	0.00	0.04	14.33	9.30
410.	221.97	236.56	50.27	1422.11	0.95	0.15	1.36	-1.08	0.00	0.00	0.00	0.04	14.49	6.37
415.	228.34	233.19	59.53	1400.13	0.94	0.14	1.30	-1.22	0.00	0.00	0.00	0.04	14.60	6.21
420.	225.75	231.60	69.75	1378.15	0.89	0.14	1.32	-1.19	0.00	0.00	0.00	0.04	14.75	7.62
425.	216.00	231.63	10.11	1446.28	0.86	0.14	1.21	4.26	0.00	0.00	0.00	0.04	14.00	10.04
430.	207.22	224.20	19.34	1268.25	0.86	0.14	1.17	3.25	0.00	0.00	0.00	0.04	14.94	7.30
435.	207.71	226.82	29.56	1224.29	0.83	0.13	1.13	1.72	0.00	0.00	0.00	0.04	15.10	12.11
440.	225.75	224.22	40.05	1202.31	0.82	0.12	1.05	-0.71	0.00	0.00	0.00	0.03	15.36	8.65
445.	218.50	216.67	50.27	1180.33	0.82	0.12	1.05	-1.02	0.00	0.00	0.00	0.03	15.65	6.60
450.	202.00	214.97	59.53	1180.33	0.79	0.11	1.06	-1.09	0.00	0.00	0.00	0.03	15.81	7.77
455.	193.02	202.49	69.75	1158.35	0.77	0.10	1.00	-1.17	0.00	0.00	0.00	0.03	15.94	9.51
460.	179.35	194.52	10.12	1248.47	0.76	0.11	0.96	4.04	0.00	0.00	0.00	0.03	16.07	7.30
465.	193.72	196.32	19.36	1158.35	0.72	0.11	0.92	3.08	0.00	0.00	0.00	0.03	16.19	5.88
470.	185.55	192.88	29.56	1070.43	0.71	0.11	0.90	1.29	0.00	0.00	0.00	0.03	16.32	9.49

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	189.05	186.20	40.06	1070.43	0.67	0.11	0.88	-0.78	0.00	0.00	0.00	0.03	16.51	6.37
480.	171.77	186.87	50.27	1004.49	0.65	0.11	0.88	-0.88	0.00	0.00	0.00	0.03	16.63	8.04
485.	182.55	195.63	59.54	1026.47	0.62	0.11	0.83	-1.10	0.00	0.00	0.00	0.03	16.73	7.49
490.	182.35	184.57	69.75	1026.47	0.61	0.10	0.77	-1.06	0.00	0.00	0.00	0.03	16.84	5.88
495.	172.27	181.67	10.12	1116.58	0.60	0.10	0.79	3.79	0.00	0.00	0.00	0.03	16.94	7.14
500.	168.67	174.77	19.35	982.51	0.59	0.10	0.75	2.87	0.00	0.00	0.00	0.03	17.10	9.77
505.	160.72	171.52	29.57	960.53	0.59	0.10	0.75	1.02	0.00	0.00	0.00	0.03	17.26	7.23
510.	165.60	168.17	40.07	916.57	0.55	0.10	0.72	-0.91	0.00	0.00	0.00	0.03	17.34	6.94
515.	154.30	155.62	50.27	982.51	0.55	0.10	0.70	-0.95	0.00	0.00	0.00	0.03	17.45	8.05
520.	153.77	165.02	59.53	872.61	0.53	0.09	0.69	-1.05	0.00	0.00	0.00	0.02	17.56	7.04
525.	149.40	162.67	69.75	872.61	0.50	0.09	0.60	-1.05	0.00	0.00	0.00	0.02	17.65	7.09
530.	159.97	162.65	10.12	953.93	0.53	0.09	0.66	3.62	0.00	0.00	0.00	0.02	17.77	6.68
535.	154.70	159.07	19.35	850.63	0.50	0.09	0.65	2.70	0.00	0.00	0.00	0.02	17.83	6.11
540.	154.17	159.55	29.57	828.65	0.48	0.09	0.64	1.01	0.00	0.00	0.00	0.02	17.92	5.50
545.	146.88	153.75	40.06	806.67	0.47	0.09	0.61	-0.78	0.00	0.00	0.00	0.02	17.97	7.22
550.	144.88	147.40	50.28	806.67	0.45	0.09	0.61	-0.97	0.00	0.00	0.00	0.02	18.01	6.70
555.	141.88	144.07	59.54	828.65	0.45	0.09	0.57	-1.02	0.00	0.00	0.00	0.02	18.08	8.57
560.	146.15	152.10	69.76	806.67	0.44	0.09	0.56	-1.03	0.00	0.00	0.00	0.02	18.16	8.11
565.	138.65	145.80	10.13	903.39	0.41	0.08	0.54	3.42	0.00	0.00	0.00	0.02	18.21	7.97
570.	140.67	143.45	19.36	762.71	0.43	0.08	0.54	2.58	0.00	0.00	0.00	0.02	18.27	5.98
575.	134.30	140.60	29.57	740.73	0.41	0.08	0.54	1.05	0.00	0.00	0.00	0.02	18.36	4.98
580.	140.00	141.00	40.06	740.73	0.40	0.08	0.51	-0.71	0.00	0.00	0.00	0.02	18.44	3.80
585.	134.02	135.70	50.28	674.79	0.39	0.09	0.51	-0.81	0.00	0.00	0.00	0.02	18.53	5.71
590.	138.02	135.13	59.53	674.79	0.37	0.09	0.47	-1.00	0.00	0.00	0.00	0.02	18.60	4.94
595.	128.29	127.27	69.75	696.77	0.36	0.09	0.43	-1.04	0.00	0.00	0.00	0.02	18.62	5.72
600.	122.19	123.44	10.12	806.67	0.36	0.08	0.44	3.31	0.00	0.00	0.00	0.02	18.67	5.55
605.	119.80	120.85	19.34	718.75	0.35	0.08	0.43	2.39	0.00	0.00	0.00	0.02	18.73	4.29
610.	118.63	120.39	29.57	740.73	0.33	0.08	0.42	0.83	0.00	0.00	0.00	0.02	18.79	5.88
615.	120.17	121.80	40.06	696.77	0.34	0.08	0.39	-0.84	0.00	0.00	0.00	0.02	18.85	6.44
620.	114.51	116.07	50.28	696.77	0.32	0.08	0.39	-0.93	0.00	0.00	0.00	0.02	18.91	6.08
625.	114.85	112.73	59.54	674.79	0.31	0.07	0.39	-1.00	0.00	0.00	0.00	0.02	18.97	6.21
630.	112.98	109.24	69.75	696.77	0.31	0.07	0.39	-0.82	0.00	0.00	0.00	0.01	19.00	4.86
635.	116.98	113.24	10.11	811.06	0.30	0.07	0.38	3.14	0.00	0.00	0.00	0.01	19.03	3.29
640.	111.19	107.88	19.34	652.81	0.29	0.07	0.36	2.17	0.00	0.00	0.00	0.01	19.10	4.22
645.	112.19	109.73	29.56	696.77	0.28	0.07	0.35	0.64	0.00	0.00	0.00	0.01	19.14	4.51
650.	109.90	110.51	40.05	652.81	0.28	0.07	0.34	-0.80	0.00	0.00	0.00	0.01	19.15	6.49
655.	109.29	108.51	50.26	608.85	0.27	0.07	0.34	-0.89	0.00	0.00	0.00	0.01	19.16	2.74
660.	105.63	105.95	59.53	586.87	0.27	0.07	0.34	-0.92	0.00	0.00	0.00	0.01	19.15	2.59
665.	104.46	106.54	69.74	630.83	0.26	0.07	0.32	-0.87	0.00	0.00	0.00	0.01	19.10	6.67
670.	107.24	103.88	10.11	771.50	0.26	0.07	0.32	2.87	0.00	0.00	0.00	0.01	19.23	6.49
675.	102.34	101.66	19.34	630.83	0.26	0.07	0.32	2.03	0.00	0.00	0.00	0.01	19.27	5.08
680.	100.37	96.12	29.55	608.85	0.25	0.07	0.31	0.79	0.00	0.00	0.00	0.01	19.31	2.90
685.	103.34	96.38	40.05	630.83	0.24	0.07	0.30	-0.76	0.00	0.00	0.00	0.01	19.36	4.17
690.	96.76	95.36	50.26	630.83	0.24	0.07	0.30	-0.82	0.00	0.00	0.00	0.01	19.43	4.58
695.	95.79	93.02	59.53	652.81	0.24	0.07	0.29	-0.87	0.00	0.00	0.00	0.01	19.52	4.59
700.	95.21	93.90	69.74	630.83	0.22	0.07	0.29	-0.87	0.00	0.00	0.00	0.01	19.59	3.87
705.	101.22	95.71	10.11	747.32	0.22	0.07	0.28	2.69	0.00	0.00	0.00	0.01	19.63	3.92
710.	93.59	93.31	19.34	652.81	0.23	0.07	0.28	1.83	0.00	0.00	0.00	0.01	19.63	2.94
715.	102.34	93.24	29.56	652.81	0.22	0.06	0.27	-0.23	0.00	0.00	0.00	0.01	19.70	3.53
720.	91.81	92.67	40.05	652.81	0.22	0.06	0.27	-0.57	0.00	0.00	0.00	0.01	19.73	3.10

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	89.98	90.62	50.27	630.83	0.21	0.06	0.26	-0.60	0.00	0.00	0.00	0.01	19.77	5.37
730.	90.09	89.26	59.53	630.83	0.21	0.06	0.26	-0.84	0.00	0.00	0.00	0.01	19.83	3.65
735.	90.31	91.33	69.74	608.85	0.20	0.06	0.26	-0.79	0.00	0.00	0.00	0.01	19.97	3.49
740.	90.57	91.00	10.11	734.13	0.20	0.06	0.25	2.50	0.00	0.00	0.00	0.01	19.90	4.66
745.	91.90	89.59	19.34	652.81	0.19	0.06	0.25	1.63	0.00	0.00	0.00	0.01	20.01	3.13
750.	88.69	87.74	29.56	586.07	0.19	0.05	0.24	-0.12	0.00	0.00	0.00	0.01	19.99	3.67
755.	93.50	88.62	40.05	608.85	0.19	0.06	0.24	-0.48	0.00	0.00	0.00	0.01	19.99	3.23
760.	85.12	85.38	50.26	586.87	0.18	0.06	0.24	-0.62	0.00	0.00	0.00	0.01	20.05	3.37
765.	81.93	81.07	59.53	630.83	0.19	0.06	0.24	-0.79	0.00	0.00	0.00	0.01	19.99	3.05
770.	83.38	79.40	69.74	652.81	0.17	0.06	0.23	-0.79	0.00	0.00	0.00	0.01	20.04	2.45
775.	79.31	79.55	10.11	727.54	0.18	0.06	0.23	2.56	0.00	0.00	0.00	0.01	20.00	3.33
780.	82.14	81.74	19.35	630.83	0.18	0.06	0.22	1.60	0.00	0.00	0.00	0.01	20.00	3.07
785.	79.86	80.43	29.56	608.85	0.17	0.06	0.23	0.20	0.00	0.00	0.00	0.01	20.07	2.76
790.	78.36	81.14	40.06	674.79	0.16	0.06	0.22	-0.54	0.00	0.00	0.00	0.01	20.03	4.16
795.	78.83	80.79	50.27	652.81	0.17	0.06	0.23	-0.73	0.00	0.00	0.00	0.01	20.07	2.40
800.	79.76	79.55	59.53	630.83	0.18	0.06	0.22	-0.76	0.00	0.00	0.00	0.01	20.13	2.77
805.	78.29	79.67	69.75	630.83	0.17	0.06	0.22	-0.79	0.00	0.00	0.00	0.01	20.14	4.45
810.	79.43	79.86	10.11	712.15	0.16	0.06	0.21	2.21	0.00	0.00	0.00	0.01	20.02	1.75
815.	81.57	77.95	19.34	630.83	0.17	0.06	0.21	1.44	0.00	0.00	0.00	0.01	19.99	3.39
820.	81.76	78.73	29.56	608.85	0.15	0.06	0.21	0.63	0.00	0.00	0.00	0.01	20.05	2.80
825.	79.98	78.19	40.05	608.85	0.15	0.06	0.21	-0.51	0.00	0.00	0.00	0.01	20.03	2.32
830.	79.09	78.29	50.27	608.85	0.15	0.06	0.20	-0.70	0.00	0.00	0.00	0.01	20.09	2.50
835.	77.95	79.10	59.53	652.81	0.16	0.06	0.20	-0.80	0.00	0.00	0.00	0.01	20.09	3.19

TIME	42	43	44	45	46	47	48
0.	-0.25	0.21	0.25	-0.26	0.08	0.00	0.00
0.	0.03	0.21	-0.30	-0.09	0.49	0.00	0.00
0.	0.28	-0.42	0.20	0.01	0.02	0.00	0.00
0.	0.18	-0.06	-0.04	-0.12	-0.28	0.00	0.00
0.	0.01	-0.17	0.07	0.16	-0.11	0.00	0.00
0.	-0.26	0.24	-0.19	0.28	-0.21	0.00	0.00
5.	-1.19	1.25	-0.45	0.01	-0.22	0.00	5.00
10.	0.28	-0.02	0.64	-1.52	1.17	0.00	10.00
15.	1.86	0.36	-0.57	-0.46	-1.53	0.00	15.00
20.	2.36	0.31	0.25	0.11	-0.89	0.01	20.00
25.	0.68	1.77	-1.58	-1.13	2.89	0.00	25.00
30.	4.43	2.73	-1.81	1.84	-3.60	0.00	30.00
35.	4.48	1.15	1.49	-1.63	0.14	0.01	35.00
40.	5.75	-0.79	-0.63	0.37	0.53	0.46	40.00
45.	10.34	3.22	0.74	0.27	3.21	1.14	45.00
50.	3.61	6.62	-1.46	-0.97	0.59	2.06	50.00
55.	4.30	3.78	-1.22	0.69	-0.40	3.52	55.00
60.	5.15	1.67	0.43	2.13	-4.34	4.73	60.00
65.	8.57	4.01	-0.95	-1.66	-0.12	6.00	65.00
70.	6.74	1.92	1.91	-1.86	-2.86	6.78	70.00
75.	9.37	0.76	2.23	-2.06	-0.73	7.18	75.00
80.	8.46	3.60	1.68	-0.88	-4.41	7.44	80.00
85.	4.31	2.87	0.82	-2.37	-1.58	7.75	85.00
90.	5.05	5.57	1.33	-1.63	-1.57	7.76	90.00
95.	5.60	2.53	2.14	-4.44	-2.18	8.09	95.00
100.	5.69	4.09	1.15	-1.50	-3.66	8.12	100.00
105.	6.96	2.24	0.87	-1.61	-2.25	8.47	105.00
110.	6.04	3.14	-1.23	-0.40	-2.27	9.63	110.00
115.	6.96	5.51	0.07	-2.42	-2.34	7.97	115.00
120.	10.49	1.56	0.73	-2.25	-1.93	7.58	120.00
125.	8.69	4.66	-0.59	-1.73	-5.38	8.00	125.00
130.	7.26	2.17	-1.26	-0.49	-3.70	7.74	130.00
135.	8.35	2.18	0.57	2.33	-7.91	7.65	135.00
140.	8.27	0.81	-1.03	-2.28	-1.66	7.80	140.00
145.	6.74	4.66	-1.93	-1.84	-3.12	7.69	145.00
150.	9.00	4.15	-1.34	-2.69	-4.17	7.48	150.00
155.	6.49	2.62	1.32	-0.68	-3.56	7.30	155.00
160.	8.40	0.71	0.80	-1.38	-4.05	7.18	160.00
165.	6.09	6.23	-0.43	-3.88	-3.86	7.13	165.00
170.	6.93	5.32	1.10	-3.85	1.01	6.97	170.00
175.	5.37	6.88	-0.59	-1.01	-0.99	6.95	175.00
180.	6.94	4.98	-0.94	-2.20	0.40	7.03	180.00
185.	7.05	5.96	-0.08	0.09	-2.57	6.62	185.00
190.	3.94	4.59	1.15	-4.09	1.34	7.01	190.00
195.	7.20	3.49	-0.67	-2.86	-2.47	7.27	195.00
200.	5.02	3.53	0.57	-1.65	0.49	7.22	200.00
205.	5.54	2.86	-0.34	-0.24	-2.48	6.82	205.00
210.	7.66	3.35	-1.08	-0.62	-2.72	7.28	210.00
215.	8.93	4.79	-0.44	-3.88	-0.22	6.09	215.00
220.	7.54	4.38	0.39	-0.89	-0.27	6.77	220.00

TIME	42	43	44	45	46	47	48
225.	8.24	3.14	-0.47	-0.65	-3.19	6.72	225.00
230.	4.36	4.72	0.55	-3.93	0.33	6.64	230.00
235.	4.79	5.40	1.61	-1.86	-2.80	6.67	235.00
240.	9.26	3.41	-0.39	-1.17	-4.02	6.38	240.00
245.	6.92	1.25	2.01	1.10	-3.54	6.02	245.00
250.	5.31	5.12	-2.74	-0.15	-1.61	6.48	250.00
255.	6.76	4.08	1.51	-0.97	-2.80	6.54	255.00
260.	5.61	3.70	-1.61	-1.03	-1.34	6.38	260.00
265.	10.63	1.64	1.56	0.54	-1.66	6.37	265.00
270.	4.89	2.52	2.38	0.33	-0.05	6.51	270.00
275.	7.08	5.99	1.75	0.30	-2.67	6.81	275.00
280.	8.11	3.64	0.49	-2.65	-2.02	6.79	280.00
285.	9.58	3.21	-2.24	-0.53	0.15	6.78	285.00
290.	10.07	2.86	-1.72	-1.91	-0.71	6.46	290.00
295.	6.66	3.25	-1.07	-4.04	0.28	6.39	295.00
300.	8.42	0.14	2.21	-3.19	-1.15	6.26	300.00
305.	6.70	2.27	-1.03	-1.08	-1.60	6.54	305.00
310.	5.83	1.18	2.96	-1.45	0.13	6.26	310.00
315.	5.93	3.77	0.88	-1.94	-4.12	5.83	315.00
320.	8.63	5.63	-2.36	0.58	-4.06	6.33	320.00
325.	9.42	3.24	-0.40	-0.93	-0.99	6.43	325.00
330.	5.28	2.27	1.06	-2.79	-2.60	6.11	330.00
335.	7.54	0.82	2.96	-3.19	-1.72	6.09	335.00
340.	5.28	5.73	-1.09	-3.67	-4.38	5.88	340.00
345.	4.32	2.21	1.97	-4.06	-1.45	5.76	345.00
350.	5.35	4.82	-0.03	-1.53	-4.08	5.93	350.00
355.	5.12	4.11	-0.48	0.74	-3.90	5.45	355.00
360.	11.44	1.32	-0.41	-1.41	-5.73	5.78	360.00
365.	6.64	4.10	-1.33	-1.79	-7.01	5.23	365.00
370.	6.19	2.18	-0.05	-0.26	-3.21	5.03	370.00
375.	5.74	3.84	-1.32	-1.93	-0.03	5.38	375.00
380.	3.73	5.22	-0.61	0.35	-2.06	5.41	380.00
385.	7.94	4.19	-0.16	0.91	-1.74	5.36	385.00
390.	4.93	4.18	0.23	-3.66	-1.70	5.14	390.00
395.	7.31	3.23	0.83	-1.84	-4.59	4.91	395.00
400.	10.61	0.33	-0.43	-1.39	-3.31	4.55	400.00
405.	5.51	4.23	0.04	-1.02	-2.50	4.43	405.00
410.	7.93	3.09	-1.84	-1.74	-2.32	4.28	410.00
415.	6.74	1.19	0.12	-1.52	-2.60	4.16	415.00
420.	7.21	1.42	1.15	-3.06	-0.88	4.04	420.00
425.	6.86	2.37	0.91	-0.88	-2.93	4.01	425.00
430.	6.55	2.37	-0.35	-2.05	-1.06	3.88	430.00
435.	4.74	5.31	-0.45	-1.13	-1.70	3.63	435.00
440.	5.85	1.56	0.22	-0.66	-1.06	3.42	440.00
445.	5.01	1.97	1.60	-3.09	-0.96	3.25	445.00
450.	4.93	2.73	-0.13	-1.35	-2.08	3.13	450.00
455.	5.08	2.78	-0.83	-0.25	-2.06	3.00	455.00
460.	6.22	2.01	-0.09	-1.29	-2.19	2.88	460.00
465.	5.11	2.14	-1.31	-0.59	-2.35	2.84	465.00
470.	3.41	2.38	0.52	-0.75	-2.51	2.72	470.00

TIME	42	43	44	45	46	47	48
475.	6.10	1.20	-0.75	-0.13	-2.77	2.54	475.00
480.	3.51	3.06	0.35	-0.56	-3.25	2.49	480.00
485.	5.03	1.57	1.12	-2.99	1.00	2.37	485.00
490.	4.84	2.07	-1.53	-1.19	-2.53	2.31	490.00
495.	5.86	1.84	-1.69	0.60	-3.09	2.19	495.00
500.	3.70	1.15	1.87	-2.65	-1.11	2.04	500.00
505.	6.17	3.11	-1.55	-1.39	0.08	1.94	505.00
510.	4.81	3.42	-1.55	-1.43	-1.00	1.89	510.00
515.	6.12	0.36	0.28	-1.51	-2.38	1.78	515.00
520.	4.55	-0.10	0.89	-2.35	-1.12	1.67	520.00
525.	4.95	2.09	-0.11	-0.92	-0.76	1.63	525.00
530.	5.04	0.47	1.70	-2.93	-0.93	1.52	530.00
535.	5.59	1.48	0.29	-1.73	-0.32	1.48	535.00
540.	5.31	2.03	-0.13	-1.96	-0.82	1.49	540.00
545.	4.91	1.42	0.20	-0.29	-2.61	1.38	545.00
550.	4.42	2.73	-1.04	-0.63	-1.49	1.32	550.00
555.	2.90	2.97	-0.84	-1.27	-1.37	1.27	555.00
560.	5.06	1.13	0.17	-0.25	-2.88	1.20	560.00
565.	2.35	3.72	-1.06	-0.46	-1.08	1.18	565.00
570.	4.90	1.40	-0.10	-0.93	-2.09	1.11	570.00
575.	5.75	0.37	0.67	-1.41	-1.95	1.06	575.00
580.	4.57	-0.12	1.35	-2.61	-1.18	0.99	580.00
585.	3.74	2.36	-0.87	-0.08	-2.47	0.94	585.00
590.	5.27	1.68	-1.14	0.02	-1.95	0.87	590.00
595.	3.93	0.87	1.60	-1.97	-1.27	0.88	595.00
600.	4.27	1.77	-0.49	-0.30	-2.59	0.84	600.00
605.	4.58	1.88	-0.97	-0.37	-2.37	0.80	605.00
610.	4.05	0.44	0.63	-1.88	-1.08	0.75	610.00
615.	3.42	1.92	-0.15	-1.32	-0.92	0.70	615.00
620.	4.28	1.71	-1.05	-0.73	-1.64	0.67	620.00
625.	2.74	2.92	-1.43	1.06	-2.51	0.62	625.00
630.	4.82	0.10	1.01	-1.50	-0.85	0.62	630.00
635.	3.85	1.13	0.00	-0.59	-1.56	0.56	635.00
640.	3.51	1.13	0.14	-0.89	-1.82	0.53	640.00
645.	3.79	0.86	-0.07	-0.32	-1.34	0.50	645.00
650.	5.90	1.68	0.24	-1.35	-1.00	0.50	650.00
655.	4.83	0.78	0.36	-1.84	-0.02	0.49	655.00
660.	4.31	1.64	-1.65	-1.52	-4.50	0.49	660.00
665.	4.30	2.18	-0.60	0.98	-2.98	0.47	665.00
670.	5.37	2.32	-1.14	-0.18	-1.90	0.43	670.00
675.	5.27	3.04	-1.56	-1.18	-2.31	0.40	675.00
680.	3.92	1.31	-1.09	-1.86	-2.47	0.39	680.00
685.	2.76	1.32	0.15	-0.72	-1.44	0.34	685.00
690.	3.48	0.85	0.03	-0.82	-1.96	0.31	690.00
695.	2.83	2.30	-0.54	-0.43	-1.12	0.28	695.00
700.	3.37	0.71	0.76	-1.64	-1.19	0.26	700.00
705.	2.41	2.45	-1.52	0.34	-2.12	0.24	705.00
710.	3.33	0.98	0.21	-1.17	-1.57	0.23	710.00
715.	2.80	1.23	-0.37	-0.53	-1.79	0.21	715.00
720.	2.61	1.30	0.81	-2.11	-1.74	0.21	720.00

TIME	42	43	44	45	46	47	48
725.	1.73	1.57	0.94	-2.50	0.69	0.18	725.00
730.	2.45	1.07	0.33	-0.46	-1.45	0.16	730.00
735.	2.71	0.86	0.16	-1.04	-0.05	0.15	735.00
740.	1.83	1.46	0.14	-1.23	0.23	0.14	740.00
745.	2.50	0.03	1.62	-1.43	-1.41	0.10	745.00
750.	3.47	-0.14	0.12	-0.63	-1.35	0.11	750.00
755.	2.83	1.43	-1.06	-1.94	-1.72	0.13	755.00
760.	2.30	0.54	-0.21	0.46	-2.43	0.09	760.00
765.	3.34	0.39	-0.22	-0.24	-2.14	0.10	765.00
770.	2.95	0.73	0.25	-1.08	-1.34	0.09	770.00
775.	2.07	1.67	-0.80	-0.57	-1.08	0.09	775.00
780.	2.57	0.84	0.01	-1.50	0.08	0.08	780.00
785.	2.34	0.96	-0.36	-0.33	-1.54	0.07	785.00
790.	1.25	1.61	-0.43	-0.32	-1.41	0.10	790.00
795.	3.23	0.69	0.06	-1.19	-0.95	0.07	795.00
800.	2.56	1.36	-0.50	-1.06	-1.37	0.03	800.00
805.	1.78	1.13	-0.74	0.38	-1.76	0.05	805.00
810.	2.26	0.72	0.17	-1.39	-0.90	0.09	810.00
815.	1.55	0.96	0.18	-0.57	-1.61	0.08	815.00
820.	5.14	0.37	0.04	-0.72	-1.25	0.04	820.00
825.	6.00	1.18	-0.73	-1.71	-3.15	0.06	825.00
830.	2.71	-0.10	0.83	-0.78	-1.98	0.04	830.00
835.	1.70	0.11	-0.23	0.01	-1.35	0.05	835.00

PRC16-P-3-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	27.92	-9.46	25.22	23.30	23.70	23.05	22.88	30.95	30.15	29.71	29.70	28.42	27.75	27.02
0.	27.88	178.02	25.47	23.63	23.57	23.07	22.75	31.00	30.22	29.73	29.57	28.52	27.65	27.17
0.	27.88	150.32	25.47	23.70	23.25	22.60	22.45	31.05	30.22	29.73	29.50	28.25	27.50	27.15
0.	27.90	-6.44	25.50	23.67	23.45	22.75	22.63	31.07	30.19	29.83	29.52	28.13	27.47	26.97
0.	27.75	70.41	25.52	23.63	23.15	22.50	22.60	31.07	30.27	29.76	29.55	28.17	27.32	26.90
0.	27.72	-124.03	25.00	23.30	22.40	22.52	22.50	30.93	30.19	29.78	29.60	28.22	27.22	27.17
5.	29.32	-35.67	27.25	24.32	22.82	22.70	22.00	32.54	35.19	32.32	29.90	29.37	29.67	28.92
10.	32.44	-33.08	32.51	23.95	22.97	23.32	23.00	34.93	40.54	36.76	37.63	38.61	36.46	33.44
15.	43.46	39.73	36.15	23.97	23.87	23.97	23.87	36.71	44.22	41.98	41.54	41.12	39.41	35.83
20.	46.39	92.59	28.07	24.17	23.82	23.92	23.80	37.93	46.05	44.34	43.71	45.12	45.22	40.15
25.	57.71	120.07	40.19	24.10	23.45	23.70	23.05	42.22	55.66	48.68	47.39	50.95	52.83	46.93
30.	75.73	124.39	42.71	24.35	23.40	23.65	23.15	45.44	67.81	60.64	61.62	67.74	67.69	64.31
35.	108.00	159.90	59.38	26.52	23.77	23.95	23.17	57.71	104.19	80.45	81.38	89.33	89.09	83.93
40.	140.72	15.00	77.32	27.63	23.40	23.50	22.65	75.76	137.60	113.61	106.66	110.00	121.46	110.24
45.	188.82	109.49	120.12	26.38	23.82	22.95	22.75	83.52	174.47	157.85	159.07	172.00	174.97	164.95
50.	230.32	200.44	172.47	29.22	22.00	22.60	22.63	115.22	230.27	206.02	219.15	221.07	213.75	205.90
55.	258.12	232.10	199.37	54.85	22.42	22.60	22.75	149.22	269.15	252.63	256.98	264.54	265.27	248.56
60.	283.10	242.85	199.75	35.19	22.88	22.85	22.52	183.37	311.95	295.93	295.19	291.55	293.74	293.59
65.	311.48	283.93	246.98	54.61	22.40	22.57	22.52	221.30	364.36	342.67	347.07	345.32	342.76	317.64
70.	307.88	281.07	274.22	67.19	23.22	23.25	22.82	250.24	408.81	382.69	364.07	365.48	347.74	346.27
75.	345.10	271.73	259.95	86.50	22.82	22.70	22.67	304.07	459.77	432.86	410.00	392.14	363.26	357.07
80.	323.26	286.41	293.88	85.36	23.15	23.40	22.88	330.45	473.25	453.33	436.43	423.81	402.62	381.90
85.	323.55	296.19	291.19	112.88	23.13	23.05	22.90	355.55	496.67	458.60	439.30	432.86	409.52	390.43
90.	344.37	311.62	315.22	153.75	23.15	22.97	22.85	365.65	493.25	475.35	460.23	452.14	423.81	408.81
95.	341.67	345.58	315.02	124.71	23.50	23.15	22.82	398.98	521.90	493.25	478.14	460.70	434.42	427.14
100.	363.09	346.46	310.83	164.75	23.45	23.07	22.95	410.24	517.14	500.24	476.05	460.93	435.12	430.71
105.	385.71	397.14	314.68	178.15	23.80	23.45	23.37	435.24	544.19	520.70	515.71	497.38	456.28	438.14
110.	363.16	168.30	313.86	128.90	23.67	23.65	23.42	467.91	587.44	561.39	540.23	513.95	493.81	461.16
115.	393.33	410.70	328.09	153.02	24.40	23.92	23.80	478.84	604.85	565.81	550.00	527.21	494.19	478.84
120.	388.57	407.44	338.98	104.88	24.80	24.50	23.82	491.39	609.28	586.43	553.49	545.49	495.58	477.91
125.	406.43	408.60	317.00	97.45	24.40	24.15	24.17	494.76	584.76	546.98	528.37	517.38	479.77	464.42
130.	404.29	347.51	345.44	147.20	24.32	23.75	23.75	494.19	582.56	563.49	551.86	545.00	496.74	494.28
135.	409.77	434.76	349.86	168.30	24.25	23.87	23.85	510.93	610.95	591.67	563.95	543.02	513.02	493.02
140.	421.43	426.43	350.76	125.07	24.95	23.92	23.80	510.23	608.09	587.14	559.07	550.24	518.81	494.42
145.	430.95	435.81	355.67	120.54	24.80	23.75	23.42	525.35	608.37	606.67	589.28	550.46	516.74	514.52
150.	433.81	451.19	354.21	115.07	24.35	24.20	24.20	547.38	630.00	603.02	586.98	566.74	548.57	519.07
155.	430.00	451.90	364.19	106.12	24.75	23.97	23.52	547.14	602.79	588.14	592.62	562.32	542.62	516.98
160.	437.44	431.86	355.95	124.32	24.42	24.02	23.95	546.74	635.24	604.65	603.81	583.57	550.00	516.98
165.	453.09	452.62	368.09	150.07	25.00	24.30	24.02	552.79	637.62	603.02	588.60	566.28	544.52	519.53
170.	434.88	434.19	352.05	90.93	24.72	24.13	23.75	543.95	605.35	606.67	579.53	560.00	543.33	515.81
175.	439.77	434.65	365.17	80.21	25.32	24.32	23.87	544.19	609.07	608.33	583.95	567.44	549.28	516.05
180.	453.81	454.52	363.45	140.70	25.07	24.25	23.65	559.30	633.81	603.95	606.90	590.48	546.98	529.77
185.	438.60	453.49	384.52	161.20	25.90	24.92	24.10	583.33	652.14	636.19	608.14	603.81	559.30	550.48
190.	452.79	462.79	389.76	126.90	25.05	24.77	24.42	581.16	664.05	647.86	633.09	610.95	562.32	541.63
195.	456.74	457.21	369.07	146.92	24.90	24.50	24.05	587.44	662.62	647.62	635.24	601.63	588.57	554.19
200.	458.14	471.16	387.38	188.35	24.75	24.00	23.57	612.86	659.77	654.76	641.90	607.91	597.14	547.44
205.	460.46	457.67	394.29	187.40	25.27	24.22	24.50	609.76	663.33	647.62	636.43	600.70	585.24	552.09
210.	463.72	466.05	397.38	185.77	26.15	24.80	24.75	605.58	665.35	661.90	650.00	630.71	584.42	561.66
215.	472.32	458.37	402.56	197.62	25.80	24.75	24.72	626.43	662.56	661.90	649.09	627.62	584.65	564.42
220.	474.42	466.05	403.57	188.67	26.65	25.05	24.07	630.24	666.20	669.52	659.76	642.14	600.23	586.19

PRC16-P-3-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	479.77	476.74	408.57	170.30	26.32	25.05	24.27	640.48	690.95	662.09	663.09	642.86	600.70	588.09
230.	496.90	495.48	406.05	157.15	26.45	25.20	24.70	649.76	697.38	664.65	667.86	647.86	606.51	583.72
235.	497.44	515.00	406.28	174.62	27.67	26.17	24.82	655.24	707.38	691.67	664.42	662.62	631.67	609.52
240.	495.81	512.14	395.95	228.30	27.30	25.80	24.13	671.43	721.67	706.90	692.38	671.67	650.95	628.09
245.	492.79	516.67	422.62	229.12	27.00	25.67	24.45	686.43	740.00	720.71	710.71	691.67	664.76	634.52
250.	517.38	513.49	437.44	261.41	26.50	25.50	24.20	667.44	729.52	712.14	697.30	650.77	649.05	607.21
255.	516.19	519.76	437.38	238.12	26.70	25.02	23.63	666.28	725.49	707.62	694.52	650.14	644.76	606.28
260.	516.05	518.14	434.19	284.68	27.52	25.70	24.63	667.91	728.57	710.00	699.20	666.74	658.33	625.71
265.	526.28	513.25	429.52	263.85	27.90	25.47	23.80	687.62	727.62	714.28	703.81	685.48	662.62	635.24
270.	519.77	515.12	423.81	238.49	29.27	27.32	23.87	685.00	724.05	709.76	701.67	666.28	655.48	631.67
275.	525.81	513.72	431.90	180.57	28.30	25.67	23.85	667.21	718.81	708.81	701.90	686.43	667.14	641.67
280.	529.77	519.07	435.71	180.32	26.72	25.40	24.77	684.52	723.81	702.86	689.76	658.37	646.43	625.48
285.	544.05	520.23	434.65	228.83	27.52	25.42	23.77	663.95	715.48	705.48	700.00	684.20	651.43	635.71
290.	544.52	524.42	440.00	270.32	27.92	25.32	24.77	665.35	716.67	704.28	695.24	665.35	660.49	638.33
295.	547.14	527.21	451.67	257.12	29.13	25.65	24.47	684.28	722.86	707.86	698.33	666.98	657.38	632.86
300.	544.52	518.84	458.93	251.12	27.63	29.67	24.13	660.00	708.09	690.09	690.95	661.16	658.57	634.05
305.	551.90	520.70	458.84	259.76	27.57	29.55	24.27	666.05	716.19	702.86	690.95	673.09	650.24	627.85
310.	552.38	523.95	440.48	265.37	28.02	29.29	24.70	660.00	709.05	699.33	680.57	673.09	654.76	630.43
315.	543.72	521.39	457.38	257.24	27.82	29.61	25.15	664.19	712.38	700.24	690.71	659.30	654.76	634.52
320.	547.38	520.00	440.00	237.34	28.72	29.90	25.02	662.56	710.71	702.86	695.40	665.35	661.67	643.81
325.	542.09	528.14	453.09	252.02	29.29	30.93	25.20	661.63	710.00	698.81	689.76	658.60	653.81	635.71
330.	547.91	549.05	459.28	234.19	28.08	30.22	25.42	663.49	711.90	701.19	692.86	662.09	656.90	642.62
335.	551.39	528.37	432.32	187.88	28.92	30.41	25.10	660.23	707.14	697.62	690.71	661.16	659.05	643.09
340.	549.07	523.49	440.23	232.97	28.37	29.95	25.32	662.09	710.00	699.52	691.43	660.00	655.49	630.33
345.	552.56	521.39	457.91	205.61	29.60	30.56	25.38	659.77	704.76	695.95	687.86	659.07	654.28	638.33
350.	552.56	518.14	454.52	176.32	28.80	30.63	25.80	673.09	701.19	693.09	686.19	672.62	657.38	640.71
355.	553.25	512.09	455.00	202.00	28.45	30.39	24.67	661.86	714.76	700.00	689.28	660.70	658.81	645.00
360.	557.91	517.91	454.42	229.32	29.05	30.83	24.80	673.09	702.86	693.57	685.48	659.60	654.05	637.62
365.	553.49	520.46	453.95	232.27	29.35	30.88	25.27	667.38	695.95	687.14	684.88	667.14	649.28	636.67
370.	551.16	500.00	452.56	200.57	29.70	31.05	25.07	663.33	691.43	666.05	673.33	664.05	648.33	635.24
375.	551.63	494.65	439.77	198.52	29.25	30.76	24.90	659.05	686.19	660.93	670.24	659.52	643.81	630.95
380.	548.60	512.38	452.38	192.90	28.80	31.49	24.95	654.52	684.42	671.67	665.48	655.95	639.76	630.71
385.	544.19	513.57	437.38	192.92	29.15	31.41	25.17	647.62	672.38	661.67	655.48	645.71	632.62	623.81
390.	551.19	495.00	440.00	222.45	28.02	30.78	24.97	641.67	664.05	655.00	644.76	634.52	606.05	610.71
395.	550.24	493.09	430.93	183.22	29.41	30.09	24.10	631.43	649.05	640.24	635.95	627.06	613.33	603.72
400.	529.77	495.71	427.86	167.70	30.76	31.58	24.80	625.71	646.19	636.67	631.19	606.51	607.86	588.93
405.	527.91	480.00	432.38	199.22	30.27	30.56	24.70	605.35	638.33	629.28	624.28	602.09	604.76	579.77
410.	520.23	467.67	424.29	171.57	29.93	30.76	24.63	609.28	620.57	604.88	613.33	604.52	592.14	565.12
415.	515.35	464.65	425.24	121.73	29.83	31.10	25.13	588.04	605.58	611.19	605.24	583.95	587.62	563.49
420.	521.90	454.88	422.86	101.93	29.80	31.33	24.63	583.02	613.33	606.19	588.37	582.09	585.24	560.23
425.	517.14	459.53	407.86	89.95	29.72	30.76	24.85	589.76	606.90	586.05	580.00	585.95	562.32	552.79
430.	512.14	457.44	402.62	91.90	29.50	31.24	25.27	567.44	581.63	589.05	584.85	562.56	553.72	545.81
435.	495.58	459.05	406.74	91.31	30.15	31.54	25.07	559.77	586.43	567.91	563.72	566.51	546.05	550.48
440.	500.71	451.39	384.05	86.21	30.98	30.98	24.85	551.16	563.26	557.67	554.42	547.91	550.48	520.14
445.	495.71	455.00	366.51	88.67	30.05	31.22	24.75	545.12	559.53	551.16	546.28	552.30	545.00	523.49
450.	474.88	452.38	365.12	80.48	30.68	30.46	24.30	549.05	547.44	541.16	550.48	544.52	526.05	516.74
455.	469.77	436.28	351.48	79.46	29.68	30.07	24.38	527.67	550.48	545.24	529.07	521.63	512.32	515.24
460.	461.16	440.24	321.26	79.31	29.58	30.07	24.92	517.67	526.05	521.63	518.60	511.06	516.19	496.51
465.	456.05	432.62	352.45	76.37	30.17	30.29	24.88	510.93	518.84	513.72	510.93	517.86	512.14	501.19
470.	459.28	429.29	351.29	76.61	29.80	29.88	24.80	515.48	511.16	518.57	515.24	498.37	491.63	495.00

PRC16-P-3-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	454.76	424.52	343.58	77.41	29.77	29.88	25.45	495.58	515.24	498.60	495.35	490.23	494.28	476.28
480.	437.67	410.00	344.93	77.10	29.61	29.72	24.15	498.81	492.79	500.48	497.38	480.23	473.02	466.28
485.	440.48	408.14	345.39	71.12	28.95	29.57	25.07	479.53	496.43	492.86	479.60	474.42	468.37	462.79
490.	435.95	409.28	313.61	70.17	30.22	29.65	24.05	472.09	476.05	472.32	459.07	465.81	458.14	451.86
495.	430.24	396.67	342.80	66.40	29.63	29.65	24.40	464.88	468.37	464.88	461.39	466.99	458.71	454.76
500.	425.00	400.71	318.14	64.98	29.80	29.50	23.80	458.14	460.46	457.21	453.72	460.00	454.76	439.30
505.	407.67	391.90	286.46	63.59	29.32	29.58	24.20	451.16	453.02	460.95	458.57	454.28	451.19	435.58
510.	402.56	390.95	312.81	63.93	29.39	29.25	24.70	455.00	455.95	453.57	452.14	437.67	433.49	440.00
515.	406.67	385.71	326.76	62.62	29.61	29.29	24.15	439.21	451.19	437.77	435.53	432.59	438.93	434.58
520.	401.43	380.95	316.80	61.24	29.32	28.45	23.50	433.05	433.56	431.09	439.48	436.21	431.17	427.87
525.	396.19	365.81	307.44	59.43	28.70	28.63	23.90	437.50	438.00	435.76	434.02	430.78	425.59	410.30
530.	392.67	366.07	312.21	58.48	28.97	29.25	24.72	431.40	430.70	428.50	427.49	426.14	421.36	408.00
535.	388.95	369.21	286.12	58.41	29.17	29.17	24.63	425.74	424.29	422.50	421.43	400.56	405.70	402.05
540.	381.24	364.09	305.68	57.63	27.65	28.35	27.60	410.14	409.32	407.23	404.95	401.58	406.48	403.14
545.	367.35	361.57	303.61	55.68	27.00	28.17	27.57	404.28	402.30	401.12	409.71	407.24	404.07	399.57
550.	363.81	355.05	271.83	54.63	29.38	28.50	28.25	408.62	405.93	404.40	403.80	402.67	399.07	395.40
555.	367.90	351.62	266.58	54.76	29.52	29.20	27.95	403.40	399.90	399.33	398.45	396.76	392.79	389.62
560.	363.07	346.12	274.51	54.51	27.55	28.10	27.50	398.52	395.14	393.88	392.95	390.95	386.67	384.33
565.	356.76	343.21	228.47	53.49	27.52	28.22	28.00	393.43	389.49	389.09	387.90	386.71	381.95	369.21
570.	352.38	348.07	233.10	52.56	27.80	28.05	27.82	389.17	384.93	383.74	382.29	371.46	367.16	364.12
575.	348.88	344.56	222.72	52.05	28.22	27.97	27.40	384.33	380.98	380.19	378.86	366.63	362.05	366.40
580.	345.14	339.54	215.30	51.12	27.55	27.85	27.63	380.91	367.49	365.77	363.88	362.35	365.64	361.26
585.	347.63	325.59	202.22	50.51	27.82	27.92	27.80	367.14	363.19	368.90	366.90	364.64	359.67	355.79
590.	344.12	320.38	233.42	49.07	26.95	26.90	27.35	362.79	365.26	363.55	363.14	360.17	354.98	351.38
595.	340.90	313.26	198.63	48.05	27.30	27.15	27.10	367.36	363.29	359.09	357.90	354.52	347.26	343.12
600.	329.14	317.17	200.50	47.85	27.22	27.42	27.72	363.21	358.69	355.57	352.50	349.40	344.36	342.02
605.	325.24	311.63	195.77	46.76	27.17	27.02	26.42	359.40	355.24	351.29	348.69	345.81	346.80	344.17
610.	320.67	305.24	195.30	46.32	28.10	27.50	26.67	355.50	350.90	347.55	344.79	340.98	342.68	339.39
615.	317.55	302.17	199.50	45.22	27.20	26.90	26.40	351.79	346.79	342.67	348.10	344.73	329.93	326.88
620.	313.31	297.39	170.40	44.93	27.42	27.17	26.25	348.14	343.09	347.71	344.19	338.43	324.71	322.57
625.	311.24	290.88	190.45	44.78	26.77	26.67	26.42	344.90	348.10	344.32	341.07	327.86	322.05	318.98
630.	315.07	291.88	167.55	44.51	27.17	26.63	26.50	341.55	343.90	340.66	328.31	322.86	316.49	313.86
635.	311.61	287.12	186.50	44.66	27.09	27.02	26.90	346.32	339.56	328.74	324.21	319.43	311.76	315.90
640.	307.71	286.39	167.20	44.78	28.32	27.38	26.57	343.02	338.33	325.17	321.21	315.07	315.22	310.54
645.	305.56	275.32	181.95	44.39	28.40	27.25	26.80	340.02	325.49	321.86	318.40	312.29	311.51	309.02
650.	293.71	272.51	152.15	44.12	27.80	27.40	27.25	329.00	322.83	318.81	314.81	314.05	307.37	303.73
655.	297.80	268.61	171.00	43.98	27.75	27.80	26.63	326.02	319.36	315.50	311.55	309.80	302.98	290.98
660.	295.37	266.46	164.32	43.61	28.17	27.47	26.82	323.00	315.36	312.24	315.46	308.56	298.21	294.69
665.	293.15	259.85	169.62	43.10	27.30	27.05	27.15	320.14	312.17	316.22	311.63	303.37	296.22	290.83
670.	290.61	254.71	150.02	42.85	27.67	27.30	26.67	317.26	317.05	313.05	308.90	302.05	291.90	285.15
675.	288.56	252.68	159.88	41.90	26.42	25.45	25.22	314.45	314.49	309.39	304.78	290.93	285.90	280.55
680.	284.93	247.19	171.67	40.54	26.15	26.05	25.35	311.71	311.39	307.12	302.27	293.44	282.45	277.68
685.	282.12	245.76	144.65	40.68	26.10	25.15	26.15	316.56	308.22	303.78	292.14	288.95	278.03	272.17
690.	276.17	239.95	142.47	40.37	26.15	26.02	25.82	313.88	305.61	293.69	295.07	285.78	275.05	268.63
695.	274.07	231.29	134.90	40.29	27.50	25.82	25.85	311.39	303.19	291.38	292.17	282.00	271.32	263.41
700.	273.83	230.90	152.97	40.27	25.75	25.72	25.97	308.90	293.36	296.17	289.78	279.34	266.78	260.83
705.	269.56	231.35	153.00	39.24	26.85	26.17	25.63	306.41	297.61	292.58	286.82	276.85	263.90	258.24
710.	265.51	226.90	148.65	39.44	27.40	26.35	25.85	304.00	295.56	290.07	283.98	271.22	260.63	254.51
715.	266.34	218.42	139.55	39.90	27.25	27.10	26.00	301.66	293.02	287.61	281.29	268.00	257.07	249.83
720.	260.17	207.61	121.00	39.58	27.40	26.35	25.45	292.38	290.41	285.46	277.85	267.49	254.19	244.95

PRC16-P-3-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	256.76	206.02	127.46	39.24	25.85	25.85	25.95	297.39	287.93	283.22	276.10	263.76	252.02	241.73
730.	258.85	199.73	146.90	38.34	25.97	25.80	25.63	295.00	285.78	280.05	273.85	260.46	247.98	239.15
735.	251.37	202.32	143.12	37.76	26.60	25.82	25.67	292.68	283.76	277.63	271.27	257.32	246.66	234.78
740.	250.39	199.35	133.30	37.19	25.63	25.42	25.38	290.90	281.29	275.73	268.85	255.63	243.02	231.80
745.	245.46	190.38	125.51	37.29	25.52	25.55	25.25	288.80	279.37	273.78	266.68	251.83	240.51	232.00
750.	242.95	189.50	122.54	37.34	25.65	25.50	25.25	286.76	277.41	271.32	264.32	249.07	238.76	232.12
755.	240.54	185.15	114.05	37.63	25.67	25.55	25.38	284.78	275.00	269.34	262.76	246.83	234.46	229.70
760.	240.34	183.05	107.34	37.68	25.52	25.80	26.10	282.90	273.15	267.32	260.54	244.63	230.41	226.80
765.	236.34	187.88	123.63	36.88	25.17	25.40	25.40	280.93	271.27	265.44	258.15	242.83	229.90	223.77
770.	232.80	187.95	122.49	36.15	25.38	25.35	25.10	279.12	269.41	263.41	256.90	240.27	232.47	219.13

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	26.38	26.00	25.95	25.70	26.15	25.75	25.00	24.68	25.40	26.72	30.51	24.63	25.40	24.75
0.	26.35	26.10	25.95	25.80	26.17	25.55	24.95	24.75	25.45	26.75	30.49	25.20	25.17	24.72
0.	26.30	26.10	25.88	25.85	26.17	25.63	24.97	24.75	25.47	26.72	30.49	24.75	25.25	24.70
0.	26.45	26.27	25.95	25.72	26.15	25.65	24.90	24.77	25.40	26.65	30.46	25.05	25.27	24.72
0.	26.45	26.40	26.07	25.88	26.22	25.72	24.92	24.75	25.50	26.70	30.46	24.85	25.20	24.80
0.	26.27	26.27	26.22	26.10	26.25	25.77	24.97	24.80	25.47	26.90	30.51	25.00	25.42	24.90
5.	28.40	28.17	27.77	27.57	26.97	27.15	26.55	26.45	26.20	27.65	31.15	26.27	25.97	25.77
10.	32.90	32.34	29.92	28.72	28.00	27.67	26.65	26.57	26.25	27.88	32.41	26.42	26.02	25.90
15.	36.73	36.10	32.73	29.93	28.42	27.97	26.77	26.60	26.52	28.17	33.27	26.47	26.40	25.90
20.	40.76	39.90	36.05	32.63	30.66	28.37	27.07	26.85	26.77	28.32	34.63	26.80	26.67	26.02
25.	47.34	45.15	40.78	36.88	33.12	29.00	27.42	27.07	26.75	28.77	36.24	26.95	26.55	26.10
30.	58.67	59.24	52.22	45.93	36.83	30.24	28.37	27.77	27.47	29.41	39.95	27.35	27.67	26.20
35.	81.71	75.51	64.50	52.93	39.76	35.17	29.27	29.22	28.20	32.51	48.27	28.55	28.15	26.45
40.	111.00	103.37	89.17	61.33	48.15	43.85	31.41	29.49	29.52	38.27	57.54	29.13	29.32	26.67
45.	162.60	146.82	124.90	88.07	65.74	58.34	34.68	31.12	31.29	46.56	70.49	30.17	30.51	27.02
50.	206.39	193.77	182.35	156.10	86.90	62.40	37.00	33.56	34.70	57.37	85.76	32.07	33.10	27.60
55.	247.93	233.29	215.25	195.40	126.32	71.68	42.68	38.02	35.37	72.10	115.61	33.10	34.07	28.35
60.	291.59	291.58	264.88	236.07	178.52	78.07	50.66	39.61	36.98	89.57	144.97	34.98	35.78	29.10
65.	315.54	292.36	280.80	246.95	177.88	100.10	56.07	42.90	41.27	114.05	182.80	38.24	39.34	29.51
70.	325.40	311.12	294.27	265.15	199.73	116.41	61.62	47.39	43.56	135.35	216.70	43.02	43.24	31.10
75.	339.88	312.12	292.48	263.17	216.37	139.82	73.41	54.39	49.44	148.27	254.68	51.66	52.29	33.54
80.	348.86	325.86	292.33	273.78	220.50	144.00	81.67	61.21	53.49	168.05	279.44	51.90	53.71	36.63
85.	360.71	340.50	311.93	293.07	230.95	153.13	105.22	74.22	58.22	179.45	311.78	58.80	57.86	39.73
90.	380.71	351.29	317.57	294.98	251.49	169.10	110.78	74.78	62.38	187.80	341.09	58.83	59.93	43.44
95.	391.19	354.55	322.98	310.61	262.24	178.63	119.29	95.09	66.52	196.87	352.52	62.09	64.43	47.07
100.	396.90	368.81	339.00	310.57	264.49	191.63	127.78	107.19	73.56	198.61	367.26	69.85	74.37	51.63
105.	408.60	390.24	352.14	320.71	277.45	194.13	149.02	107.41	78.41	204.10	406.30	72.80	75.78	56.12
110.	435.00	396.43	360.31	341.88	288.22	219.50	148.63	109.15	84.49	216.80	433.76	79.71	86.05	59.00
115.	457.38	406.28	367.21	351.76	307.90	229.30	162.35	107.41	83.90	225.35	460.48	79.46	82.52	63.31
120.	440.46	410.93	386.43	359.02	311.54	230.24	145.92	106.58	91.62	223.05	451.63	83.14	90.14	66.40
125.	434.42	402.56	380.71	356.43	309.73	235.58	150.47	117.93	91.80	227.35	459.30	77.01	89.52	71.56
130.	452.09	425.71	391.67	359.76	317.68	231.41	159.50	115.56	95.93	230.15	475.81	87.12	90.52	73.80
135.	458.84	434.28	399.52	368.33	321.89	250.17	172.80	129.66	96.38	241.37	500.95	90.90	106.00	76.54
140.	466.05	434.65	402.32	370.93	330.38	272.32	178.10	137.77	103.10	247.10	490.93	89.67	105.34	79.51
145.	474.88	452.86	410.23	396.19	344.61	275.46	204.12	136.85	106.73	252.07	510.70	101.17	112.54	80.24
150.	500.00	460.00	426.43	404.29	348.29	289.85	190.92	141.55	113.71	250.39	516.98	103.41	110.80	83.50
155.	479.30	456.19	425.71	404.52	350.02	295.63	196.25	151.45	122.68	262.85	521.39	112.05	120.66	87.74
160.	499.76	456.28	436.43	404.29	349.74	287.66	206.80	149.97	129.10	267.54	545.24	113.66	118.78	90.40
165.	500.48	455.81	436.67	404.52	354.31	291.73	200.25	154.27	130.05	264.49	547.14	114.34	133.85	92.69
170.	497.62	458.37	439.05	408.81	357.86	288.73	195.10	155.07	134.75	270.19	550.48	105.93	121.73	94.26
175.	490.93	455.81	440.48	410.00	352.93	272.24	196.92	153.50	120.17	274.71	549.30	108.44	120.39	96.43
180.	495.35	461.16	434.19	421.43	358.33	273.46	204.73	155.50	134.00	280.85	555.81	112.88	134.20	100.32
185.	517.62	473.72	456.19	428.09	360.71	295.12	200.78	159.80	144.85	280.44	568.14	117.68	145.32	100.66
190.	514.19	479.53	456.90	426.67	362.56	291.22	197.80	160.92	143.57	289.78	589.52	110.61	142.40	101.19
195.	521.86	480.00	459.76	433.09	364.50	292.34	202.24	168.95	144.40	292.64	583.72	120.19	140.63	102.32
200.	512.32	497.62	459.77	434.76	362.56	288.17	207.17	171.27	152.55	307.44	605.95	115.51	153.47	104.10
205.	516.74	478.14	456.98	437.14	361.67	290.83	199.61	167.82	165.80	310.12	610.80	139.80	168.02	104.00
210.	543.81	496.28	457.67	438.09	362.09	304.39	195.25	165.25	155.35	313.00	606.05	133.30	162.40	104.56
215.	529.77	496.74	467.21	439.76	364.19	290.66	191.52	179.52	165.25	314.24	606.74	127.34	165.35	104.89
220.	546.67	493.49	464.42	437.62	370.46	312.83	216.90	179.62	162.07	317.02	629.28	119.27	157.97	105.34

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	550.00	512.14	470.23	438.60	370.00	318.90	203.58	179.02	158.08	316.30	635.24	133.72	160.85	104.80
230.	547.21	515.71	475.81	458.81	388.57	313.15	207.32	196.65	166.25	328.36	644.52	126.68	166.15	105.88
235.	565.81	527.44	496.85	465.35	425.24	351.40	231.02	201.20	176.00	345.79	651.90	141.97	179.30	107.10
240.	580.00	543.95	519.52	475.35	430.48	320.36	229.85	200.27	171.45	353.69	664.05	146.30	171.60	108.63
245.	586.19	545.95	514.76	471.86	425.48	326.83	238.83	204.46	170.95	343.90	663.49	151.30	172.17	112.15
250.	569.30	545.48	517.62	463.49	410.23	321.52	241.03	218.22	178.63	344.17	662.09	145.12	184.27	115.96
255.	569.53	549.05	521.67	473.49	402.56	319.43	250.58	203.85	188.82	342.69	661.86	155.50	196.02	119.59
260.	585.71	547.62	510.00	473.02	409.53	350.67	245.05	221.75	191.07	360.69	663.95	165.05	169.55	122.95
265.	584.42	546.74	516.51	472.32	434.76	350.29	244.46	221.92	197.47	315.05	686.19	156.97	191.30	124.55
270.	584.42	540.93	521.43	476.28	430.24	329.07	252.37	225.65	204.63	285.88	667.21	163.65	198.80	125.68
275.	587.44	545.81	519.77	495.95	432.79	361.43	263.61	227.10	197.65	278.27	667.67	157.50	197.60	126.34
280.	582.32	551.63	520.46	479.07	431.39	365.24	261.76	230.97	201.73	274.90	664.19	158.00	202.38	127.63
285.	588.60	554.65	524.88	500.00	438.60	343.61	256.41	232.30	205.00	272.51	684.28	164.62	199.07	133.68
290.	606.19	553.49	526.51	497.86	438.14	361.69	249.34	228.66	199.65	285.88	685.95	168.47	199.95	135.00
295.	585.12	550.23	520.46	497.86	455.71	367.98	264.03	232.05	202.52	275.02	688.09	177.75	200.51	136.63
300.	586.51	549.30	517.44	492.14	439.76	361.72	259.05	234.78	204.32	271.88	667.21	180.37	220.77	140.22
305.	583.72	549.77	520.93	498.09	432.79	329.50	256.17	235.58	205.29	282.34	686.19	173.40	201.39	142.45
310.	582.56	549.30	521.39	494.05	435.35	355.71	255.51	234.85	205.29	271.98	685.24	174.35	216.17	145.27
315.	604.52	553.49	522.79	497.38	449.46	354.05	251.02	241.37	199.95	266.37	667.91	173.92	202.60	143.12
320.	603.49	568.60	545.00	501.19	437.21	382.38	269.83	244.68	195.55	266.10	684.28	172.42	194.40	141.42
325.	610.00	562.09	527.21	499.05	455.24	381.90	269.24	242.34	205.94	285.51	665.35	175.77	219.67	141.07
330.	604.42	590.00	546.90	494.42	454.76	369.52	253.51	244.29	199.55	266.44	661.39	170.38	197.22	143.63
335.	604.88	582.32	543.72	492.32	436.43	346.52	262.17	232.56	201.24	271.24	660.93	173.25	197.42	145.88
340.	610.00	565.12	544.52	499.76	453.33	351.17	268.15	236.73	199.00	278.05	662.56	168.57	201.25	148.40
345.	600.23	562.56	543.81	493.72	452.62	362.56	259.44	237.46	184.70	278.71	659.07	169.20	198.35	151.02
350.	611.43	583.81	541.86	512.14	456.05	364.93	271.34	239.71	205.00	284.24	659.77	180.92	208.07	154.07
355.	609.07	589.05	543.26	518.33	437.67	363.14	261.22	242.29	227.60	279.41	658.37	190.82	231.90	157.22
360.	606.43	566.74	550.48	495.12	452.62	350.83	259.30	247.93	187.55	277.39	673.57	172.42	187.27	160.57
365.	599.77	588.33	546.51	498.37	440.46	346.79	259.49	254.15	179.27	295.19	670.24	168.52	194.55	163.77
370.	609.52	565.58	545.71	490.70	433.26	344.24	251.44	247.56	179.65	284.00	665.00	179.35	197.40	166.60
375.	609.52	559.30	526.28	495.95	430.24	363.81	250.49	244.00	172.17	284.58	660.95	173.05	189.32	169.95
380.	610.00	568.84	546.67	492.14	405.81	352.59	245.46	245.02	169.72	278.76	655.49	172.22	184.77	172.80
385.	608.33	568.84	545.48	498.81	400.69	345.29	256.66	248.71	179.77	272.76	649.76	173.10	188.75	175.67
390.	590.24	552.56	524.65	473.95	407.67	341.33	246.12	236.24	176.42	283.37	642.62	164.80	184.82	178.25
395.	559.53	547.38	513.49	472.32	391.90	311.29	238.76	236.44	169.07	282.22	635.00	160.40	182.50	180.67
400.	564.88	552.38	511.16	464.65	402.32	345.24	244.93	233.90	167.02	279.27	631.43	166.37	175.27	182.95
405.	558.60	544.28	516.43	465.12	393.09	317.07	237.61	234.02	168.55	273.17	625.71	155.47	182.72	185.10
410.	544.88	523.72	497.44	460.00	369.07	311.83	230.00	230.22	163.95	271.78	601.63	164.27	176.77	187.07
415.	545.81	523.25	495.12	450.93	383.57	322.55	236.20	238.27	169.07	279.83	609.52	168.50	170.72	189.62
420.	545.35	522.09	497.21	452.09	386.43	313.90	237.51	233.37	163.77	263.95	587.21	158.52	176.30	190.72
425.	546.43	513.95	497.62	454.28	393.33	316.37	232.70	224.88	159.45	260.10	580.93	158.88	164.35	192.30
430.	543.57	521.90	495.71	439.53	363.02	292.12	221.63	227.15	160.82	261.98	587.14	156.20	168.07	193.67
435.	524.88	520.24	496.90	437.67	365.01	297.24	222.02	223.88	159.20	251.85	567.21	151.07	170.65	194.97
440.	513.95	494.88	469.53	431.16	365.35	314.43	225.36	223.32	152.15	249.61	559.53	147.65	161.72	196.10
445.	520.71	492.32	465.35	431.19	360.83	296.59	216.60	221.52	159.52	244.71	552.09	167.02	177.12	197.15
450.	512.14	494.28	461.86	426.67	346.09	290.82	207.12	223.55	149.45	244.85	543.72	142.70	158.62	197.97
455.	501.67	474.42	452.09	407.67	343.10	279.85	207.19	220.65	140.65	236.68	549.05	144.45	145.97	198.80
460.	495.00	470.70	457.14	407.44	341.86	294.44	215.22	207.24	137.77	233.25	526.90	145.82	153.95	199.45
465.	475.81	457.44	433.26	408.81	347.37	287.27	202.41	200.97	126.00	231.83	519.77	149.52	140.82	199.92
470.	472.32	455.35	438.09	400.95	329.21	250.54	199.58	200.35	130.00	228.93	512.79	141.60	150.15	200.38

PRC16-P-3-1/4

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	462.79	456.19	433.09	396.43	324.98	267.24	198.38	200.65	139.42	232.27	517.38	141.75	153.85	200.67
480.	456.28	452.86	424.05	390.95	321.74	261.27	198.30	192.25	139.63	229.80	496.90	130.95	150.57	200.90
485.	451.63	437.91	422.86	384.05	317.88	247.34	191.15	193.25	136.02	228.61	500.95	126.70	144.30	201.02
490.	451.90	437.38	407.44	371.39	313.24	256.85	190.82	190.55	138.85	229.17	493.33	136.45	145.63	201.05
495.	432.79	429.05	402.09	366.74	314.86	243.44	188.55	190.57	140.65	225.35	474.88	137.25	149.50	200.92
500.	437.62	423.81	404.29	367.62	303.41	249.12	187.65	189.38	126.37	216.20	468.14	129.12	150.63	200.70
505.	433.57	410.93	398.09	365.48	295.29	240.44	176.70	179.35	138.30	205.32	460.70	127.76	153.92	200.50
510.	429.05	406.98	395.48	360.48	293.98	230.60	178.17	175.38	128.15	203.00	454.88	124.68	144.10	200.00
515.	424.83	401.00	392.07	356.64	313.98	242.88	182.40	174.52	126.07	214.95	459.28	141.60	139.52	199.65
520.	408.91	405.36	384.09	351.09	294.22	230.20	175.47	176.97	129.34	207.39	453.82	121.27	143.97	199.13
525.	402.42	403.17	381.07	346.79	289.07	229.57	167.67	165.47	135.49	201.78	436.36	117.15	145.95	198.52
530.	409.83	397.67	371.49	341.00	267.39	215.05	169.05	167.32	133.82	193.07	449.56	120.76	139.70	198.02
535.	406.40	396.12	370.77	346.56	274.39	221.32	167.42	175.77	126.24	199.62	434.64	110.51	129.10	197.40
540.	396.17	385.90	368.26	342.00	280.76	230.75	166.50	159.80	118.10	191.65	428.95	110.54	127.07	196.70
545.	392.43	380.55	364.00	327.57	260.46	222.80	161.22	156.60	123.00	180.25	422.76	122.63	134.00	195.97
550.	388.24	369.74	360.09	322.12	264.27	215.75	162.90	168.80	121.41	183.17	407.84	116.00	126.95	195.07
555.	383.86	366.28	357.95	317.43	255.66	204.58	165.22	163.37	115.58	185.95	402.51	112.76	117.61	194.25
560.	368.44	366.95	349.55	316.37	267.00	206.05	155.80	156.92	119.44	173.57	407.24	112.29	129.49	193.37
565.	369.36	358.00	344.45	310.41	255.17	197.25	150.57	158.13	126.34	172.72	402.31	110.58	136.49	192.33
570.	366.79	355.76	342.29	306.76	245.00	190.17	147.05	151.77	122.08	177.20	397.30	113.46	122.93	191.32
575.	359.00	349.33	344.27	301.83	244.17	201.63	149.37	146.40	117.90	180.50	392.83	110.95	130.00	190.30
580.	352.95	343.67	330.36	293.59	244.07	184.88	142.60	149.42	119.22	169.22	387.93	114.44	136.63	189.22
585.	348.24	347.12	326.29	296.39	230.24	179.55	143.07	149.82	113.00	163.20	383.24	109.39	120.98	188.15
590.	344.12	341.63	320.86	289.05	230.56	174.52	141.85	144.22	117.56	170.82	378.23	96.17	125.29	186.97
595.	345.39	328.31	315.59	281.88	230.20	193.85	138.25	133.92	110.44	165.40	365.46	104.76	117.32	185.80
600.	342.19	323.98	317.34	280.80	214.00	171.20	134.15	129.56	107.46	163.72	369.80	103.02	109.73	184.50
605.	328.14	318.31	315.41	276.05	220.25	175.00	134.22	139.25	114.90	158.75	365.93	95.02	117.39	183.27
610.	324.17	316.98	310.07	270.83	231.13	180.72	149.15	137.67	102.17	151.90	361.95	101.71	109.49	182.07
615.	319.90	317.51	303.78	269.22	215.30	182.80	129.66	134.97	110.80	150.63	358.17	96.19	114.80	180.87
620.	316.48	315.49	293.17	259.46	213.55	169.82	127.90	127.78	112.12	156.05	354.45	96.55	113.80	179.67
625.	311.79	309.66	291.29	256.10	214.25	174.13	125.88	134.07	100.90	151.38	351.12	96.64	110.85	178.40
630.	316.02	306.46	289.98	251.78	201.66	157.15	122.32	125.88	109.93	145.57	347.64	96.83	111.61	177.12
635.	305.12	297.66	281.00	246.85	207.66	161.45	123.27	119.71	104.06	141.40	343.90	94.55	110.10	175.82
640.	301.61	295.29	281.10	245.68	198.56	149.63	119.63	119.12	104.12	144.85	341.00	101.41	108.83	174.57
645.	293.24	290.39	271.88	245.27	202.57	158.15	119.44	119.37	102.73	148.30	345.85	92.43	106.05	173.30
650.	294.22	284.56	271.27	240.58	196.90	147.38	119.10	115.24	101.54	137.80	342.76	89.57	102.15	171.80
655.	288.66	281.44	263.90	237.54	193.42	158.42	115.61	112.63	95.76	126.71	339.51	87.52	96.81	170.50
660.	283.05	272.39	260.05	233.61	199.35	152.17	111.85	111.49	100.37	129.10	328.33	79.21	94.36	169.13
665.	281.37	269.41	255.54	232.38	189.85	148.40	111.51	110.58	96.33	127.66	325.40	87.48	102.02	167.82
670.	274.63	266.58	251.24	226.63	194.22	149.10	111.95	108.82	91.76	127.19	322.67	83.40	93.58	166.40
675.	270.22	260.85	245.00	226.90	192.12	154.50	108.12	106.41	92.59	134.80	319.40	89.24	95.43	165.00
680.	266.27	255.76	239.73	221.75	181.40	138.63	107.19	109.24	92.57	128.85	316.76	87.31	101.90	163.57
685.	261.87	248.88	240.10	218.88	178.30	133.88	107.51	104.19	89.87	124.46	314.85	81.12	86.36	162.20
690.	254.87	247.88	234.98	215.05	172.82	127.73	105.10	109.39	92.50	121.51	311.24	79.71	95.29	160.92
695.	247.56	240.34	231.56	214.65	166.95	138.20	106.85	104.61	89.95	117.46	316.61	82.85	90.81	159.57
700.	248.73	241.49	233.85	206.93	164.82	141.52	105.76	103.49	91.83	120.54	314.19	76.44	89.21	158.35
705.	242.71	235.51	229.82	205.61	160.52	129.54	101.46	102.95	88.43	113.78	311.60	85.40	88.64	157.05
710.	239.68	228.73	224.52	200.76	162.22	137.77	101.76	101.29	89.67	115.49	309.24	78.36	83.76	155.85
715.	237.73	229.95	223.35	202.17	159.15	121.27	101.44	96.38	85.17	112.71	306.85	83.88	85.29	154.65
720.	234.71	229.02	216.97	201.70	162.07	120.71	102.10	102.07	90.83	108.02	304.58	75.15	87.31	153.50

PRC16-P-3-1/4

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	231.49	227.75	215.38	198.32	163.47	127.17	100.12	92.59	87.52	106.61	302.46	76.78	85.29	152.30
730.	228.56	224.20	215.12	199.40	158.85	126.93	96.14	93.14	86.19	105.24	292.86	79.07	83.40	151.13
735.	233.37	220.12	199.58	194.70	161.25	126.51	94.67	90.93	85.90	113.78	297.76	82.52	88.52	149.90
740.	228.95	218.90	200.88	194.80	161.02	122.90	93.62	92.05	86.33	109.63	295.71	75.02	84.90	148.63
745.	224.37	213.67	201.35	191.37	155.17	120.15	95.36	92.05	79.26	109.59	293.66	78.05	79.21	147.42
750.	221.67	207.61	200.05	185.70	155.45	120.51	95.02	94.55	84.64	108.59	291.58	75.22	84.76	146.27
755.	217.60	204.10	198.50	184.40	152.92	114.37	90.95	91.38	84.64	106.34	289.51	73.66	80.31	145.12
760.	216.90	202.29	192.77	185.67	156.38	123.61	91.45	89.14	81.49	110.66	287.66	79.52	84.14	143.92
765.	208.05	202.97	193.97	184.38	152.30	114.93	91.71	89.38	82.90	105.73	285.37	77.44	83.55	142.75
770.	207.05	201.35	190.57	178.70	150.40	109.29	89.62	87.50	82.31	102.68	283.56	76.46	82.02	141.57

PRC16-P-3-1/4

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	24.97	25.20	19.30	9514.77	0.00	-0.01	-0.02	0.23	0.00	0.00	0.00	0.00	21.00	22.54
0.	24.97	25.05	29.51	9600.14	0.00	-0.01	-0.02	0.11	0.00	0.00	0.00	0.00	20.99	-4.71
0.	24.90	25.05	40.02	9600.14	0.00	-0.01	-0.02	0.10	0.00	0.00	0.00	0.00	20.97	-1.24
0.	24.82	25.07	50.23	9685.52	0.00	-0.02	-0.02	0.12	0.00	0.00	0.00	0.00	20.94	-4.66
0.	25.07	25.15	59.49	9600.14	0.00	-0.02	-0.02	-0.55	0.00	0.00	0.00	0.00	20.94	-5.09
0.	24.88	25.10	69.69	9600.14	0.00	-0.01	-0.02	-0.14	0.00	0.00	0.00	0.00	20.91	-6.84
5.	26.60	26.95	10.08	9600.14	0.00	-0.02	-0.02	0.18	0.00	0.00	0.00	0.01	20.90	-2.90
10.	28.37	27.85	19.31	9571.70	0.00	-0.01	-0.01	0.49	0.00	0.00	0.00	0.01	20.92	-2.74
15.	28.15	28.20	29.52	9628.63	0.00	-0.01	0.00	0.40	0.00	0.00	0.00	0.01	20.91	-5.00
20.	32.58	29.56	40.03	9543.25	0.01	-0.01	0.02	-0.21	0.00	0.00	0.00	0.01	20.89	-3.65
25.	33.24	32.58	50.23	9600.14	0.02	0.00	0.05	-0.31	0.00	0.00	0.00	0.02	20.79	-2.15
30.	35.10	36.83	59.48	9600.14	0.04	0.01	0.12	-0.68	0.00	0.00	0.00	0.03	20.67	-0.20
35.	41.98	40.66	69.70	9543.25	0.09	0.03	0.21	-0.41	0.00	0.00	0.00	0.06	20.53	-2.82
40.	49.73	50.05	10.09	9543.25	0.15	0.04	0.34	2.44	0.00	0.00	0.00	0.13	20.29	2.74
45.	73.54	71.15	19.30	9600.14	0.25	0.06	0.53	2.30	0.00	0.00	0.00	0.22	19.90	0.05
50.	76.58	86.07	29.52	9600.14	0.33	0.08	0.77	1.86	0.00	0.00	0.00	0.35	19.44	7.65
55.	124.80	125.95	40.03	9600.14	0.47	0.10	1.06	-0.55	0.00	0.00	0.00	0.59	18.79	5.66
60.	177.70	174.50	50.25	9457.88	0.56	0.11	1.41	-0.86	0.00	0.00	0.00	0.69	17.85	7.12
65.	185.27	186.13	59.50	9400.94	0.65	0.13	1.96	-1.27	0.00	0.00	0.00	0.81	16.80	7.59
70.	204.80	198.63	69.71	9372.50	0.74	0.14	2.58	-1.13	0.00	0.00	0.00	0.92	15.66	6.20
75.	217.85	222.62	10.08	9201.70	0.80	0.15	3.14	4.47	0.00	0.00	0.00	0.94	14.10	5.45
80.	201.77	214.97	19.32	9144.81	0.83	0.16	3.16	3.74	0.00	0.00	0.00	0.94	13.00	8.37
85.	235.61	234.24	29.52	9030.95	0.83	0.16	3.39	2.51	0.00	0.00	0.00	1.03	11.73	7.00
90.	254.58	256.17	40.03	8917.13	0.87	0.18	3.62	-0.42	0.00	0.00	0.00	1.08	11.14	2.23
95.	245.83	261.54	50.23	8803.27	0.89	0.18	4.02	-1.27	0.00	0.00	0.00	1.09	10.36	10.16
100.	271.98	264.78	59.50	8661.00	0.93	0.18	4.04	-1.42	0.00	0.00	0.00	1.13	9.89	4.21
105.	274.85	283.44	69.71	8575.57	0.95	0.20	4.34	-1.26	0.00	0.00	0.00	1.22	9.25	7.64
110.	283.90	292.10	10.08	8461.76	1.05	0.21	4.65	4.16	0.00	0.00	0.00	1.30	9.22	3.67
115.	312.29	308.98	19.32	8433.31	1.10	0.22	4.87	4.36	0.00	0.00	0.00	1.47	8.73	3.71
120.	313.17	310.64	29.53	8376.38	1.13	0.22	4.80	2.56	0.00	0.00	0.00	1.40	8.35	3.65
125.	312.22	312.69	40.04	8234.07	1.11	0.22	4.65	-0.49	0.00	0.00	0.00	1.35	8.26	5.27
130.	316.12	318.62	50.24	8120.25	1.18	0.22	4.81	-1.24	0.00	0.00	0.00	1.43	8.19	9.69
135.	341.85	340.54	59.49	8034.88	1.27	0.22	5.09	-1.49	0.00	0.00	0.00	1.60	8.46	8.90
140.	340.32	340.71	69.71	7977.94	1.39	0.21	4.72	-1.27	0.00	0.00	0.00	1.71	8.81	6.33
145.	345.69	349.38	10.08	7892.56	1.46	0.23	5.16	5.26	0.00	0.00	0.00	1.72	8.70	8.06
150.	352.71	355.76	19.32	7778.70	1.47	0.23	5.37	4.49	0.00	0.00	0.00	1.83	8.83	7.64
155.	348.86	359.59	29.52	7721.81	1.52	0.22	4.92	2.96	0.00	0.00	0.00	1.80	8.94	10.45
160.	356.86	358.79	40.04	7664.88	1.42	0.23	5.25	-0.67	0.00	0.00	0.00	1.80	8.70	7.65
165.	349.98	355.69	50.24	7551.02	1.53	0.23	5.29	-1.20	0.00	0.00	0.00	1.84	8.90	8.28
170.	359.48	360.50	59.49	7465.64	1.53	0.22	4.97	-1.60	0.00	0.00	0.00	1.89	9.21	6.80
175.	342.98	341.81	69.70	7351.82	1.53	0.22	5.08	-1.54	0.00	0.00	0.00	1.90	8.97	8.04
180.	343.22	346.17	10.08	7266.44	1.65	0.23	5.22	5.45	0.00	0.00	0.00	2.06	9.02	6.64
185.	363.55	355.98	19.31	7209.51	1.64	0.24	5.42	4.63	0.00	0.00	0.00	2.11	9.49	5.79
190.	364.52	361.45	29.52	7124.14	1.73	0.25	5.86	3.09	0.00	0.00	0.00	2.17	9.74	6.99
195.	361.31	348.40	40.03	7010.31	1.82	0.24	5.78	-0.14	0.00	0.00	0.00	2.22	9.70	7.39
200.	366.56	361.74	50.24	6868.00	1.82	0.25	5.89	-1.20	0.00	0.00	0.00	2.24	8.99	7.23
205.	364.38	355.52	59.50	6668.76	1.88	0.24	5.78	-1.56	0.00	0.00	0.00	2.26	8.67	9.95
210.	364.67	355.90	69.71	6554.94	1.84	0.26	6.21	-1.39	0.00	0.00	0.00	2.34	8.88	5.42
215.	382.90	364.30	10.08	6412.63	1.83	0.24	6.01	5.73	0.00	0.00	0.00	2.24	8.95	4.74
220.	369.12	366.64	19.31	6355.70	1.96	0.25	6.32	4.70	0.00	0.00	0.00	2.27	9.25	2.96

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	396.09	370.58	29.52	6213.44	2.06	0.24	6.30	3.34	0.00	0.00	0.00	2.49	9.37	10.26
230.	401.17	368.63	40.03	6042.64	2.10	0.24	6.28	0.44	0.00	0.00	0.00	2.59	9.56	6.35
235.	437.72	430.57	50.24	5928.82	2.57	0.25	6.54	-1.15	0.00	0.00	0.00	3.05	9.61	6.23
240.	424.86	427.93	59.50	5786.51	2.41	0.26	6.86	-1.58	0.00	0.00	0.00	2.87	9.08	9.42
245.	410.00	406.05	69.70	5587.31	2.21	0.27	7.22	-1.46	0.00	0.00	0.00	2.83	9.85	8.15
250.	430.45	406.12	10.08	5530.38	2.23	0.27	6.99	5.92	0.00	0.00	0.00	2.84	10.05	9.99
255.	430.02	429.05	19.31	5331.14	2.29	0.27	7.01	4.85	0.00	0.00	0.00	3.03	10.37	5.51
260.	434.38	421.26	29.52	5188.87	2.35	0.27	7.07	3.43	0.00	0.00	0.00	2.98	10.15	4.81
265.	432.26	438.31	40.03	5075.01	2.33	0.26	7.06	-0.76	0.00	0.00	0.00	3.01	10.09	5.55
270.	432.86	430.52	50.25	4961.19	2.44	0.27	7.05	-1.24	0.00	0.00	0.00	3.08	10.22	5.96
275.	451.16	452.38	59.50	4904.26	2.49	0.26	6.91	-1.63	0.00	0.00	0.00	3.27	10.52	9.76
280.	430.07	452.17	69.71	4790.43	2.55	0.25	6.90	-1.51	0.00	0.00	0.00	3.19	10.65	8.55
285.	455.95	453.33	10.08	4619.64	2.61	0.25	6.74	5.84	0.00	0.00	0.00	3.17	10.10	9.77
290.	456.90	437.67	19.32	4505.82	2.63	0.25	6.73	4.88	0.00	0.00	0.00	3.21	9.99	11.55
295.	460.24	460.48	29.52	4448.89	2.68	0.25	6.87	3.03	0.00	0.00	0.00	3.17	10.03	8.62
300.	454.28	439.07	40.04	4306.57	2.53	0.24	6.59	1.37	0.00	0.00	0.00	3.15	10.29	9.03
305.	439.56	436.35	50.24	4164.31	2.47	0.24	6.64	-1.27	0.00	0.00	0.00	3.08	10.51	7.20
310.	439.70	432.56	59.49	4078.94	2.49	0.24	6.59	-1.53	0.00	0.00	0.00	3.07	10.41	9.85
315.	459.28	455.48	69.70	3908.14	2.58	0.24	6.65	-1.41	0.00	0.00	0.00	3.07	10.33	8.49
320.	457.38	452.14	10.08	3765.88	2.70	0.24	6.68	5.94	0.00	0.00	0.00	2.78	10.36	2.01
325.	172.47	451.93	19.32	3765.88	2.75	0.24	6.69	4.85	0.00	0.00	0.00	1.25	10.44	9.43
330.	453.25	459.28	29.51	3566.64	2.72	0.25	7.00	3.45	0.00	0.00	0.00	1.05	10.54	10.33
335.	435.74	451.16	40.03	3481.26	2.68	0.23	6.72	-0.17	0.00	0.00	0.00	1.13	10.73	9.36
340.	457.14	458.33	50.24	3424.33	2.67	0.23	6.59	-1.25	0.00	0.00	0.00	1.11	10.83	10.09
345.	460.46	459.30	59.50	3310.51	2.75	0.23	6.50	-1.51	0.00	0.00	0.00	1.16	11.07	7.14
350.	464.88	462.79	69.71	3282.02	2.85	0.23	6.56	-1.37	0.00	0.00	0.00	1.17	11.18	10.88
355.	437.95	454.52	10.08	3111.26	2.80	0.22	6.62	6.11	0.00	0.00	0.00	1.08	11.00	4.64
360.	463.02	461.39	19.31	3054.38	2.75	0.22	6.46	4.97	0.00	0.00	0.00	1.11	11.38	6.22
365.	453.95	451.63	29.53	2946.65	2.68	0.22	6.40	3.37	0.00	0.00	0.00	1.13	11.65	5.46
370.	458.14	461.16	40.03	2836.69	2.70	0.21	6.13	-0.49	0.00	0.00	0.00	1.19	11.63	7.65
375.	428.31	451.76	50.24	2792.74	2.67	0.21	6.16	-1.24	0.00	0.00	0.00	1.09	12.01	9.24
380.	427.07	438.81	59.50	2682.78	2.58	0.21	5.94	-1.59	0.00	0.00	0.00	1.11	15.13	3.89
385.	406.28	451.95	69.70	2660.77	2.60	0.20	5.68	-1.39	0.00	0.00	0.00	1.05	15.20	7.78
390.	434.59	435.44	10.07	2693.18	2.52	0.19	5.40	6.18	0.00	0.00	0.00	1.06	15.35	9.90
395.	398.12	435.36	19.31	2528.84	2.43	0.19	5.24	4.52	0.00	0.00	0.00	0.99	15.73	9.36
400.	397.07	409.53	29.52	2484.88	2.37	0.18	5.07	3.04	0.00	0.00	0.00	0.99	15.68	7.56
405.	405.71	427.07	40.03	2374.92	2.39	0.17	4.94	0.66	0.00	0.00	0.00	1.04	15.60	9.11
410.	391.95	409.07	50.25	2374.92	2.20	0.16	4.69	-1.24	0.00	0.00	0.00	0.97	15.71	7.65
415.	407.40	397.21	59.50	2264.97	2.29	0.16	4.57	-1.48	0.00	0.00	0.00	0.96	16.06	6.04
420.	397.21	403.50	69.70	2220.98	2.23	0.15	4.51	-1.25	0.00	0.00	0.00	1.02	16.37	9.41
425.	400.45	409.48	10.09	2297.95	2.17	0.15	4.28	5.77	0.00	0.00	0.00	0.98	16.62	6.21
430.	367.51	405.95	19.32	2133.03	2.09	0.14	4.05	4.38	0.00	0.00	0.00	0.96	16.01	8.57
435.	370.12	396.62	29.52	2111.02	2.04	0.14	3.94	2.96	0.00	0.00	0.00	0.95	17.06	4.41
440.	381.45	365.62	40.03	2067.06	2.01	0.13	3.74	-0.69	0.00	0.00	0.00	0.88	17.11	7.56
445.	365.74	366.93	50.25	2001.10	1.95	0.13	3.61	-1.13	0.00	0.00	0.00	0.92	17.18	4.21
450.	341.05	368.19	59.50	1957.11	1.87	0.12	3.42	-1.55	0.00	0.00	0.00	0.89	17.34	8.05
455.	346.43	362.91	69.71	1913.12	1.81	0.12	3.28	-1.40	0.00	0.00	0.00	0.91	17.66	5.80
460.	357.33	353.59	10.08	1976.91	1.75	0.11	3.17	5.47	0.00	0.00	0.00	0.83	17.81	5.73
465.	346.55	344.95	19.32	1869.16	1.71	0.11	3.01	4.10	0.00	0.00	0.00	0.83	17.99	3.85
470.	324.86	344.69	29.53	1803.18	1.66	0.10	2.83	2.45	0.00	0.00	0.00	0.78	10.22	4.13

PRC16-P-3-1/4

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	348.19	342.63	40.04	1781.19	1.60	0.10	2.68	-0.90	0.00	0.00	0.00	0.00	18.39	5.62
480.	321.62	327.17	50.25	1759.20	1.53	0.10	2.61	-1.28	0.00	0.00	0.00	0.76	18.59	8.86
485.	312.37	343.27	59.50	1737.21	1.49	0.09	2.51	-1.50	0.00	0.00	0.00	0.73	18.83	8.80
490.	327.69	318.81	69.71	1693.23	1.44	0.09	2.43	-1.27	0.00	0.00	0.00	0.69	19.01	5.02
495.	308.24	317.31	10.09	1732.81	1.41	0.09	2.30	5.09	0.00	0.00	0.00	0.66	19.10	6.32
500.	297.27	321.93	19.32	1583.28	1.35	0.07	2.22	3.73	0.00	0.00	0.00	0.66	19.29	6.46
505.	293.90	321.93	29.53	1583.28	1.32	0.09	2.17	2.00	0.00	0.00	0.00	0.67	19.32	7.31
510.	313.12	314.88	40.05	1561.29	1.28	0.09	2.06	-0.75	0.00	0.00	0.00	0.67	19.31	5.05
515.	312.66	293.17	50.25	1561.29	1.28	0.08	2.00	-1.08	0.00	0.00	0.00	0.69	19.26	6.45
520.	295.88	292.95	59.49	1517.31	1.23	0.07	1.94	-1.46	0.00	0.00	0.00	0.60	19.22	4.34
525.	284.98	294.51	69.71	1473.33	1.20	0.07	1.87	-1.29	0.00	0.00	0.00	0.58	19.43	5.36
530.	273.24	302.58	10.08	1565.69	1.15	0.06	1.79	4.84	0.00	0.00	0.00	0.62	19.65	5.70
535.	273.63	296.46	19.32	1429.35	1.12	0.06	1.72	3.37	0.00	0.00	0.00	0.61	19.71	6.71
540.	294.02	274.68	29.52	1385.37	1.09	0.06	1.63	2.30	0.00	0.00	0.00	0.57	19.75	3.17
545.	266.83	283.27	40.05	1363.38	1.08	0.06	1.60	-0.70	0.00	0.00	0.00	0.53	19.83	4.03
550.	244.95	282.07	50.25	1407.36	1.04	0.06	1.53	-1.29	0.00	0.00	0.00	0.52	19.89	3.72
555.	258.56	265.78	59.51	1319.40	0.98	0.05	1.48	-1.44	0.00	0.00	0.00	0.50	19.89	4.10
560.	273.32	252.39	69.71	1363.38	0.98	0.05	1.42	-1.27	0.00	0.00	0.00	0.48	19.92	4.15
565.	250.68	255.15	10.09	1[illegible]	[illegible]	0.05	1.[illegible]	4.45	0.[illegible]	0.00	0.00	0.[illegible]	19.97	3.77
570.	247.44	254.63	19.32	1297.41	0.90	0.05	1.32	3.54	0.00	0.00	0.00	0.49	20.09	3.21
575.	238.29	247.10	29.53	1341.39	0.89	0.05	1.24	1.72	0.00	0.00	0.00	0.46	20.14	3.73
580.	250.27	243.49	40.04	1297.41	0.85	0.05	1.16	-0.73	0.00	0.00	0.00	0.43	20.14	1.75
585.	236.49	244.44	50.25	1231.44	0.82	0.04	1.14	-1.12	0.00	0.00	0.00	0.46	20.14	2.13
590.	246.07	233.93	59.51	1253.43	0.79	0.04	1.10	-1.46	0.00	0.00	0.00	0.42	20.14	4.55
595.	232.55	239.68	69.71	1187.46	0.77	0.04	1.00	-1.27	0.00	0.00	0.00	0.42	20.14	2.76
600.	217.92	228.29	10.09	1279.82	0.77	0.04	1.06	4.14	0.00	0.00	0.00	0.39	20.14	4.24
605.	232.57	222.27	19.33	1187.46	0.74	0.04	1.01	3.18	0.00	0.00	0.00	0.38	20.15	3.61
610.	224.27	207.56	29.54	1231.44	0.71	0.04	0.98	1.58	0.00	0.00	0.00	0.30	20.17	1.13
615.	217.42	224.40	40.05	1165.47	0.69	0.04	0.96	-0.80	0.00	0.00	0.00	0.36	20.17	3.44
620.	218.00	225.35	50.26	1187.46	0.68	0.04	0.92	-1.18	0.00	0.00	0.00	0.36	20.19	6.28
625.	214.82	216.47	59.51	1165.47	0.66	0.04	0.90	-1.36	0.00	0.00	0.00	0.35	20.18	5.29
630.	203.20	217.45	69.72	1143.48	0.63	0.04	0.87	-1.22	0.00	0.00	0.00	0.35	20.20	2.02
635.	217.57	204.02	10.09	1220.45	0.61	0.04	0.79	3.91	0.00	0.00	0.00	0.34	20.20	0.88
640.	197.30	204.32	19.33	1099.50	0.61	0.04	0.82	2.98	0.00	0.00	0.00	0.33	20.21	2.48
645.	203.00	199.68	29.53	1099.50	0.58	0.03	0.80	1.16	0.00	0.00	0.00	0.31	20.21	0.43
650.	187.47	196.60	40.04	1099.50	0.58	0.03	0.77	-0.61	0.00	0.00	0.00	0.30	20.21	2.92
655.	198.13	198.02	50.25	1077.51	0.55	0.03	0.71	-0.96	0.00	0.00	0.00	0.29	20.22	2.97
660.	199.57	182.45	59.50	1121.49	0.53	0.03	0.73	-1.32	0.00	0.00	0.00	0.28	20.22	1.20
665.	175.82	186.57	69.72	1099.50	0.53	0.03	0.67	-1.14	0.00	0.00	0.00	0.28	20.23	5.59
670.	188.27	178.13	10.09	1163.27	0.50	0.03	0.65	3.63	0.00	0.00	0.00	0.27	20.24	0.20
675.	190.32	175.47	19.32	1055.52	0.49	0.03	0.61	2.71	0.00	0.00	0.00	0.27	20.24	4.26
680.	174.82	184.15	29.53	1121.49	0.49	0.03	0.60	1.06	0.00	0.00	0.00	0.27	20.23	3.50
685.	180.75	176.05	40.04	1099.50	0.48	0.03	0.58	-0.57	0.00	0.00	0.00	0.26	20.22	2.58
690.	166.45	175.70	50.25	1099.50	0.47	0.03	0.63	-1.07	0.00	0.00	0.00	0.25	20.23	3.07
695.	160.07	182.35	59.50	1055.52	0.45	0.03	0.59	-1.28	0.00	0.00	0.00	0.24	20.23	1.66
700.	158.88	173.82	69.71	1033.53	0.44	0.03	0.55	-1.12	0.00	0.00	0.00	0.23	20.23	2.53
705.	162.45	170.55	10.08	1207.25	0.44	0.03	0.58	3.45	0.00	0.00	0.00	0.23	20.24	0.60
710.	159.70	168.88	19.32	1055.52	0.43	0.03	0.57	2.57	0.00	0.00	0.00	0.22	20.24	-0.65
715.	155.20	171.97	29.53	1033.53	0.41	0.03	0.56	1.14	0.00	0.00	0.00	0.21	20.24	1.84
720.	158.32	169.15	40.04	1077.51	0.41	0.03	0.52	-0.64	0.00	0.00	0.00	0.21	20.24	0.26

PRC16-P-3-1/4

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	155.30	172.07	50.25	1055.52	0.41	0.03	0.52	-1.00	0.00	0.00	0.00	0.20	20.23	0.79
730.	152.65	167.10	59.50	1077.51	0.39	0.03	0.52	-1.28	0.00	0.00	0.00	0.20	20.22	1.47
735.	159.75	159.00	69,71	1099.50	0.39	0.03	0.49	-1.10	0.00	0.00	0.00	0.19	20.22	1.54
740.	158.17	168.10	10.09	1117.09	0.38	0.03	0.47	3.22	0.00	0.00	0.00	0.18	20.22	2.12
745.	154.85	159.50	19.32	1077.51	0.36	0.03	0.45	2.31	0.00	0.00	0.00	0.19	20.21	0.81
750.	143.57	155.97	29.52	1077.51	0.37	0.03	0.49	1.13	0.00	0.00	0.00	0.18	20.20	0.38
755.	150.45	156.65	40.04	1099.50	0.37	0.03	0.50	-0.62	0.00	0.00	0.00	0.17	20.19	1.19
760.	152.82	147.22	50.24	1099.50	0.36	0.03	0.49	-0.97	0.00	0.00	0.00	0.17	20.18	1.30
765.	142.63	145.95	59.50	1055.52	0.35	0.03	0.47	-1.26	0.00	0.00	0.00	0.17	20.16	1.85
770.	147.82	151.02	69.71	1077.51	0.34	0.03	0.41	-1.07	0.00	0.00	0.00	0.17	20.13	0.27

PRC16-P-3-1/4

TIME	42	43	44	45	46	47	48
0.	2.94	-1.79	1.26	-1.45	0.59	0.00	0.00
0.	-0.53	-0.54	0.67	-0.54	1.46	0.00	0.00
0.	-1.87	0.73	-0.44	1.90	0.79	0.00	0.00
0.	-0.78	0.47	-1.40	1.36	-1.73	0.00	0.00
0.	-0.36	0.81	-0.71	0.70	-0.50	0.00	0.00
0.	0.59	0.32	0.62	-1.96	-0.61	0.00	0.00
5.	-0.29	0.71	-2.18	-0.42	-3.37	0.00	5.00
10.	1.12	1.30	-1.88	0.99	-2.09	0.00	10.00
15.	0.18	1.63	-1.51	1.78	-1.82	0.00	15.00
20.	0.65	1.35	-0.53	0.06	-2.96	0.00	20.00
25.	1.26	1.89	-1.60	1.04	-0.86	0.01	25.00
30.	1.76	2.40	-1.40	0.41	-1.66	0.02	30.00
35.	4.48	-1.49	0.63	0.78	-1.47	0.05	35.00
40.	3.68	0.52	0.42	0.67	-1.16	0.17	40.00
45.	5.48	3.60	-0.82	2.29	-4.57	0.37	45.00
50.	9.18	0.57	-0.56	-2.13	2.24	0.71	50.00
55.	6.68	2.02	-1.72	1.35	-1.19	1.34	55.00
60.	6.87	5.09	-3.43	-0.28	-6.21	2.23	60.00
65.	7.15	2.61	-1.02	-2.52	-7.01	3.19	65.00
70.	4.49	2.78	1.71	-0.65	-3.66	4.28	70.00
75.	8.60	3.19	-0.04	-1.74	-4.56	5.69	75.00
80.	4.46	4.14	-1.29	-0.68	-3.27	6.52	80.00
85.	8.73	3.06	0.49	-0.78	-3.56	7.71	85.00
90.	9.42	3.05	-0.40	-1.58	-4.72	7.80	90.00
95.	8.51	5.42	-1.26	0.65	-4.99	8.58	95.00
100.	6.27	5.02	-1.59	0.97	-3.43	9.08	100.00
105.	4.18	1.59	0.05	0.30	-5.41	9.46	105.00
110.	10.06	4.01	-1.28	-2.95	-2.60	9.52	110.00
115.	11.16	4.69	-2.73	1.05	-5.91	10.21	115.00
120.	12.18	1.72	-3.12	-0.06	-7.95	10.27	120.00
125.	11.24	4.33	-0.39	-2.47	-1.70	10.68	125.00
130.	8.53	1.01	1.27	-0.54	-5.11	10.25	130.00
135.	7.58	4.79	-3.61	0.26	-6.27	10.38	135.00
140.	7.76	4.32	0.77	-2.61	-1.60	9.80	140.00
145.	10.07	2.46	0.50	-1.84	-5.54	10.19	145.00
150.	12.52	1.66	-0.12	-3.22	-7.08	9.81	150.00
155.	7.87	5.12	-2.15	0.36	-9.68	10.09	155.00
160.	10.47	2.17	1.71	-1.58	-5.70	10.12	160.00
165.	9.85	4.42	-2.04	-0.96	-6.21	10.04	165.00
170.	6.70	6.03	-0.80	1.02	-6.70	9.81	170.00
175.	8.29	4.87	-2.40	2.52	-4.50	10.20	175.00
180.	8.77	7.10	-1.04	-1.98	-5.05	9.87	180.00
185.	10.22	4.97	-2.43	-1.15	-4.05	9.30	185.00
190.	8.43	5.56	-0.88	1.83	-8.56	9.37	190.00
195.	8.57	4.87	-1.64	2.29	-4.47	9.58	195.00
200.	9.03	3.59	0.94	-0.22	-4.47	10.53	200.00
205.	9.28	4.21	-0.04	-1.07	-4.01	10.50	205.00
210.	8.26	3.29	-0.38	-2.00	-4.60	10.31	210.00
215.	10.74	3.36	-1.42	-1.80	-4.43	10.22	215.00
220.	14.07	2.96	-0.96	-0.13	-6.05	10.05	220.00

PRC16-P-3-1/4

TIME	42	43	44	45	46	47	48
225.	8.97	5.85	-1.17	1.79	-5.83	9.83	225.00
230.	10.05	9.09	-2.41	-2.52	-4.66	9.81	230.00
235.	9.90	5.12	-0.90	-0.54	-6.34	9.77	235.00
240.	9.41	4.87	-2.19	-1.06	-5.33	9.55	240.00
245.	10.71	5.15	-0.58	0.21	-6.43	9.71	245.00
250.	8.18	5.51	-0.42	-0.09	-5.76	9.38	250.00
255.	11.26	5.46	-2.65	-0.51	-6.11	9.20	255.00
260.	12.15	1.11	-0.44	-1.11	-6.88	9.71	260.00
265.	11.33	2.57	-0.60	-1.17	-5.88	9.52	265.00
270.	12.60	2.22	1.58	-0.66	-1.48	9.42	270.00
275.	8.92	1.71	3.47	-0.57	-6.57	9.05	275.00
280.	4.87	8.55	-2.67	0.83	-6.75	9.38	280.00
285.	8.82	4.54	-1.57	-1.13	-6.04	9.61	285.00
290.	8.38	7.21	-3.12	1.37	-5.49	9.77	290.00
295.	7.44	6.93	-2.29	0.50	-3.56	9.58	295.00
300.	9.66	4.42	-0.59	-1.03	-3.99	9.25	300.00
305.	9.82	3.00	1.78	-1.25	-5.28	9.17	305.00
310.	8.32	5.10	-0.88	-0.26	-6.41	9.34	310.00
315.	10.17	4.12	3.23	-1.35	-2.99	9.47	315.00
320.	12.21	3.76	2.01	-2.15	-5.04	9.23	320.00
325.	7.09	5.02	-0.91	-0.16	-3.38	9.30	325.00
330.	10.11	2.37	1.62	-1.95	-2.50	8.96	330.00
335.	8.66	6.63	-0.72	0.38	-2.24	8.87	335.00
340.	11.43	4.30	0.32	-0.35	-5.14	8.70	340.00
345.	9.83	4.62	-1.04	0.30	-6.60	8.00	345.00
350.	5.13	7.84	-2.37	0.03	-2.47	8.66	350.00
355.	10.84	5.35	-2.27	-1.22	-5.64	8.50	355.00
360.	9.61	7.38	-1.36	-0.66	-2.74	7.92	360.00
365.	11.09	5.38	-1.71	0.64	-7.95	7.52	365.00
370.	8.70	5.00	0.34	-0.75	-6.25	8.05	370.00
375.	8.82	4.21	-0.94	2.98	-10.91	7.33	375.00
380.	11.17	2.50	2.61	-0.42	-1.53	3.85	380.00
385.	11.04	3.77	-0.83	-0.33	-5.30	4.29	385.00
390.	7.08	4.72	-1.74	0.93	-3.92	3.94	390.00
395.	6.87	6.93	-0.88	-0.30	-5.02	3.64	395.00
400.	9.62	3.60	-1.66	-0.24	-4.96	3.84	400.00
405.	8.15	6.74	-2.11	-0.10	-2.21	3.86	405.00
410.	4.03	6.12	-1.24	-0.18	-4.89	3.61	410.00
415.	10.13	2.41	0.18	-1.06	-6.14	3.22	415.00
420.	7.29	4.45	-1.47	1.60	-6.37	2.95	420.00
425.	7.75	6.77	-4.28	0.97	-5.51	2.78	425.00
430.	7.65	3.82	-0.16	0.58	-6.65	2.56	430.00
435.	10.01	4.05	-1.88	1.41	-5.75	2.29	435.00
440.	7.91	5.71	-1.96	0.67	-6.57	2.33	440.00
445.	10.93	4.62	-0.84	-1.55	-4.44	2.28	445.00
450.	7.96	4.95	-2.09	1.28	-6.85	2.01	450.00
455.	6.99	4.76	-2.37	-0.14	-6.78	1.67	455.00
460.	9.21	3.79	-1.69	0.50	-8.28	1.64	460.00
465.	7.50	3.42	0.20	-0.47	-3.73	1.43	465.00
470.	8.27	3.19	-0.38	-1.04	-4.37	1.24	470.00

PRC16-P-3-1/4

TIME	42	43	44	45	46	47	48
475.	9.12	1.60	0.27	1.38	-5.96	1.09	475.00
480.	5.74	6.51	-2.43	1.28	-4.59	0.92	480.00
485.	5.39	4.85	-2.44	0.67	-2.76	0.74	485.00
490.	9.16	1.69	-0.13	0.64	-4.12	0.62	490.00
495.	6.89	4.33	-1.43	-1.40	-2.05	0.49	495.00
500.	6.24	4.48	-2.78	0.03	-4.62	0.44	500.00
505.	5.27	5.88	-2.82	0.64	-6.04	0.45	505.00
510.	5.89	3.15	0.79	-1.26	-4.72	0.44	510.00
515.	4.38	4.88	-0.79	-2.37	-2.47	0.51	515.00
520.	8.82	3.64	-2.63	0.42	-4.27	0.52	520.00
525.	5.86	5.96	-4.20	0.79	-4.62	0.30	525.00
530.	6.94	2.85	-1.40	-1.64	-2.27	0.23	530.00
535.	5.63	5.20	-2.34	0.93	-4.43	0.21	535.00
540.	7.79	3.12	-1.17	0.38	-5.62	0.19	540.00
545.	7.64	1.80	0.07	0.37	-7.54	0.15	545.00
550.	6.70	3.12	-1.69	-0.55	-3.90	0.14	550.00
555.	7.23	3.53	-2.16	1.13	-6.21	0.15	555.00
560.	4.43	2.96	-0.73	-0.34	-3.31	0.13	560.00
565.	6.31	3.67	-0.84	-0.48	-3.86	0.11	565.00
570.	8.26	0.04	0.24	0.46	-4.79	0.06	570.00
575.	4.66	2.92	-1.40	-0.08	-4.40	0.06	575.00
580.	6.14	5.75	-3.00	-0.55	-3.64	0.06	580.00
585.	3.82	3.25	-1.89	1.38	-5.08	0.06	585.00
590.	4.32	4.36	-2.43	0.59	-3.88	0.06	590.00
595.	4.59	6.85	-5.66	4.34	-7.01	0.06	595.00
600.	4.68	4.67	-2.32	0.33	-5.91	0.06	600.00
605.	5.49	3.27	-1.02	-0.94	-2.80	0.05	605.00
610.	8.28	0.51	-0.16	-0.83	-4.67	0.05	610.00
615.	7.09	1.10	-0.09	0.75	-5.99	0.05	615.00
620.	3.63	4.82	-2.60	0.93	-3.12	0.04	620.00
625.	4.15	3.79	-2.86	0.75	-4.67	0.04	625.00
630.	6.09	3.23	-1.82	0.47	-4.57	0.04	630.00
635.	8.31	0.97	-0.01	-2.93	-1.95	0.04	635.00
640.	6.01	2.48	-0.75	-1.02	-2.90	0.04	640.00
645.	4.06	2.04	-1.44	1.13	-3.44	0.04	645.00
650.	5.08	1.64	0.18	-1.35	-2.93	0.04	650.00
655.	4.77	2.80	-2.03	0.57	-5.09	0.03	655.00
660.	3.88	2.86	-1.59	1.15	-4.86	0.03	660.00
665.	4.10	2.76	-1.62	1.13	-4.46	0.03	665.00
670.	6.58	1.68	-1.03	-0.13	-4.22	0.03	670.00
675.	2.81	3.24	-1.64	0.32	-3.88	0.03	675.00
680.	3.77	3.37	-1.69	0.51	-2.74	0.03	680.00
685.	3.17	4.25	-2.97	2.44	-6.60	0.03	685.00
690.	3.86	3.47	-2.74	1.34	-5.02	0.03	690.00
695.	2.79	5.33	-3.80	0.52	-5.51	0.03	695.00
700.	3.82	3.86	-1.31	-0.69	-2.02	0.03	700.00
705.	4.72	2.25	-1.82	-0.38	-3.11	0.02	705.00
710.	5.64	1.64	-0.79	0.22	-4.11	0.02	710.00
715.	3.95	2.78	-1.47	0.22	-4.51	0.02	715.00
720.	5.69	1.78	-0.84	0.11	-3.83	0.02	720.00

PRC16-P-3-1/4

TIME	42	43	44	45	46	47	48
725.	5.30	1.21	-1.09	0.74	-4.08	0.02	725.00
730.	4.94	0.91	-0.60	-0.07	-3.75	0.03	730.00
735.	2.97	2.99	-2.15	1.00	-2.86	0.02	735.00
740.	4.40	2.01	-1.61	1.20	-4.56	0.02	740.00
745.	4.62	1.93	-1.52	1.11	-5.67	0.02	745.00
750.	4.48	0.54	0.32	-0.59	-3.19	0.02	750.00
755.	2.86	3.42	-2.44	1.04	-5.50	0.02	755.00
760.	2.51	3.76	-2.28	0.59	-3.99	0.02	760.00
765.	3.19	1.33	-0.48	-1.27	-2.25	0.03	765.00
770.	2.56	4.27	-3.78	0.22	-5.00	0.03	770.00

PRC20-P-3-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0.	29.42	21.45	26.57	23.25	22.90	22.75	22.63	33.98	32.46	30.61	29.73	29.50	28.72	28.27
0.	28.60	22.12	26.60	23.17	22.90	22.67	22.63	34.00	32.56	30.71	29.63	29.50	29.10	28.52
0.	28.37	25.45	26.50	23.13	23.00	22.63	22.67	33.98	32.44	30.63	29.51	29.42	29.05	28.75
0.	28.22	23.85	26.30	23.13	22.90	22.65	22.70	33.90	32.49	30.51	29.54	29.50	28.95	28.82
0.	28.88	26.82	26.52	23.07	23.00	22.72	22.67	33.98	32.37	30.49	29.58	29.47	28.80	28.82
0.	28.35	22.00	26.60	23.13	23.17	22.85	22.70	34.00	32.41	30.58	29.56	29.52	28.55	28.45
5.	30.22	21.57	28.50	23.75	22.88	22.85	22.60	35.19	38.60	32.61	30.39	29.40	29.05	28.97
10.	38.29	34.41	28.32	23.80	23.00	22.92	22.77	36.56	41.54	39.54	40.34	39.90	36.68	35.63
15.	44.22	38.58	35.41	24.70	23.20	22.85	22.80	37.95	48.24	44.37	43.10	42.58	40.90	39.68
20.	54.22	46.37	41.80	24.87	23.27	23.25	23.20	42.90	54.27	50.15	50.85	48.66	48.41	47.66
25.	72.95	58.67	53.66	29.02	23.45	23.35	23.25	49.07	76.78	67.48	64.12	60.55	60.69	58.93
30.	95.95	82.19	65.88	32.34	23.27	23.20	23.20	59.12	104.68	01.14	84.83	82.95	79.00	78.79
35.	160.70	116.90	113.05	34.19	23.55	23.30	23.30	79.40	162.57	137.77	135.72	134.22	142.02	120.80
40.	249.29	203.63	196.13	42.88	23.47	23.35	23.27	115.73	249.95	206.51	218.32	225.67	225.27	205.34
45.	313.52	262.15	223.57	42.58	23.45	23.22	23.02	191.87	347.33	313.46	310.76	317.64	314.51	303.95
50.	347.76	310.81	272.29	42.76	23.47	23.35	23.07	241.71	408.65	388.00	386.59	385.09	367.95	364.40
55.	363.74	310.41	257.51	30.22	23.35	23.25	23.07	294.78	452.79	410.70	405.48	395.95	384.76	369.52
60.	349.52	308.27	232.95	28.88	23.42	23.27	23.10	322.26	471.86	436.90	421.43	409.52	402.86	385.48
65.	362.02	342.27	260.54	29.13	23.63	23.30	23.22	350.81	493.09	433.49	430.24	406.51	405.24	389.76
70.	358.29	341.31	314.39	32.93	23.65	23.47	23.22	391.43	515.12	466.98	458.81	440.48	404.42	405.24
75.	345.24	353.43	312.80	58.29	23.80	23.45	23.30	430.55	549.53	495.35	470.70	452.79	439.52	427.14
80.	363.07	357.57	321.33	74.39	24.38	23.90	23.57	459.53	568.14	540.46	510.60	495.81	466.05	454.76
85.	380.95	370.23	340.83	145.97	23.67	23.60	23.57	476.51	586.90	546.05	526.74	510.33	472.79	460.70
90.	389.05	395.48	340.79	101.58	24.50	23.87	23.50	512.14	609.76	566.51	548.14	516.28	492.06	467.91
95.	399.05	399.76	346.15	78.19	24.20	23.80	23.55	517.67	623.01	586.74	568.37	540.00	512.62	494.52
100.	408.84	403.57	355.67	118.00	24.10	23.80	23.65	551.19	633.09	608.81	587.86	545.28	517.62	499.05
105.	436.43	431.19	346.67	101.61	23.72	23.63	23.42	542.56	632.38	605.00	568.14	540.93	517.62	500.95
110.	439.05	410.70	349.64	96.02	23.90	23.65	23.45	554.42	630.00	610.00	585.95	542.56	511.16	498.84
115.	438.60	431.19	362.32	126.85	24.15	24.10	23.63	583.33	651.19	627.14	586.98	556.28	521.16	520.95
120.	438.60	429.52	364.12	78.61	23.87	23.82	23.57	592.62	649.05	628.33	604.76	564.19	545.19	520.00
125.	436.74	434.76	382.14	110.56	24.55	23.87	23.55	590.48	645.00	627.14	608.57	585.24	549.00	523.95
130.	459.52	438.09	364.42	110.54	24.82	24.05	23.55	603.81	655.48	641.19	627.86	605.24	555.35	550.71
135.	464.19	437.44	391.67	136.67	24.72	23.95	23.80	610.24	655.95	642.14	629.05	605.95	554.65	549.76
140.	456.28	453.81	383.33	122.27	24.87	23.95	23.95	606.98	661.16	658.57	643.57	607.67	587.06	556.28
145.	464.42	455.24	401.19	120.61	24.70	24.07	24.07	601.16	664.05	651.90	644.76	629.33	583.49	561.39
150.	451.63	454.65	410.24	92.59	23.90	24.05	23.77	628.09	661.16	665.48	650.24	620.20	580.23	564.42
155.	460.93	452.86	407.67	153.90	24.05	23.85	23.72	636.90	685.48	667.14	652.86	625.71	588.33	559.30
160.	474.19	458.37	387.86	128.85	24.10	24.13	23.82	643.89	690.00	671.67	655.71	630.00	580.70	566.98
165.	494.76	456.28	384.29	150.37	24.70	24.20	23.90	634.05	661.39	661.19	645.48	624.76	590.43	556.74
170.	494.52	452.79	421.67	140.95	24.17	24.02	23.85	646.67	694.76	661.39	663.33	641.67	607.38	589.52
175.	479.30	453.25	407.62	163.17	24.17	23.92	23.60	641.67	667.91	666.90	650.48	620.09	582.09	568.84
180.	492.09	467.21	401.63	187.85	24.25	24.20	23.90	656.90	707.14	691.43	660.23	653.09	602.09	580.70
185.	513.81	472.56	403.26	218.22	23.82	24:00	23.65	658.09	714.05	690.81	667.67	654.28	604.19	587.21
190.	518.33	471.16	406.05	237.90	23.95	24.07	23.37	662.86	705.48	689.28	659.30	652.38	606.28	606.67
195.	495.81	470.46	422.14	227.42	24.35	23.82	23.55	658.33	703.57	691.43	664.88	658.09	608.60	611.90
200.	518.81	462.79	430.71	199.50	25.80	23.87	23.37	658.09	702.62	687.62	673.33	652.38	605.35	607.38
205.	518.60	457.86	410.00	162.70	25.15	23.85	23.85	662.38	703.57	667.21	670.00	647.62	599.53	586.28
210.	516.28	457.67	389.05	206.24	23.97	23.95	24.05	658.57	695.00	663.95	668.81	650.00	603.26	606.43
215.	519.30	473.49	426.90	237.80	24.15	24.38	24.25	666.43	709.01	694.76	663.95	650.81	627.14	612.14
220.	526.51	470.00	451.90	227.05	24.90	24.17	23.92	665.95	706.43	689.28	661.16	656.19	624.76	611.67

PRC20-P-3-1/4

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
225.	523.02	471.39	439.07	222.38	24.38	24.72	24.30	670.48	712.62	694.28	667.67	665.95	638.33	634.05
230.	528.37	473.25	431.86	207.73	24.40	24.27	24.77	685.24	734.20	710.48	695.24	662.56	651.90	648.81
235.	545.00	515.24	459.05	203.32	24.40	24.30	24.15	686.90	724.52	708.33	694.05	672.14	639.28	627.30
240.	545.24	514.28	458.09	217.80	24.52	24.45	24.65	696.67	741.19	728.57	717.62	698.09	666.19	648.09
245.	543.49	520.48	466.51	227.52	24.60	24.63	24.82	710.95	781.22	747.14	734.28	712.86	666.98	668.81
250.	550.00	512.14	459.07	194.42	25.05	24.92	24.70	697.14	732.62	718.81	707.30	690.00	663.33	649.33
255.	548.37	499.30	465.12	155.75	24.67	24.50	24.47	692.86	723.81	710.95	703.09	684.76	654.52	636.90
260.	550.00	494.19	460.93	173.17	24.65	24.63	24.72	693.33	733.33	717.14	703.57	685.40	656.90	640.57
265.	549.30	462.79	423.33	143.57	24.72	24.67	24.85	688.09	720.24	702.62	687.38	668.09	641.90	635.95
270.	554.88	471.39	433.49	114.61	25.15	24.65	24.42	685.95	718.09	703.33	691.19	670.71	645.24	634.28
275.	551.86	493.49	453.95	138.25	25.15	25.42	24.70	687.62	716.67	702.62	690.71	658.37	646.67	635.95
280.	542.79	521.19	422.62	223.60	25.25	26.22	25.00	692.14	735.24	717.86	702.38	684.05	659.28	652.86
285.	551.63	499.52	456.05	221.50	25.32	25.00	24.52	692.62	725.49	711.90	700.71	666.51	656.19	643.09
290.	548.37	475.58	437.62	138.92	26.40	24.92	25.42	689.05	720.95	704.76	693.33	658.84	649.28	638.81
295.	556.98	495.35	455.81	152.82	25.82	24.88	24.65	700.95	733.33	720.95	710.24	694.76	667.14	658.33
300.	560.23	500.24	458.81	199.29	24.72	24.63	24.75	695.24	725.95	710.95	700.48	685.71	661.19	653.57
305.	554.19	476.05	439.07	129.93	25.15	24.65	24.82	689.28	718.33	703.33	694.28	662.32	652.14	639.05
310.	558.60	493.33	453.33	94.36	25.10	24.63	24.92	689.28	720.24	704.05	693.33	660.93	653.81	643.09
315.	560.46	480.23	437.44	202.40	24.95	24.57	24.47	686.43	717.14	695.24	684.28	668.09	640.71	631.43
320.	556.28	479.53	459.76	181.07	25.00	24.70	25.25	662.32	705.95	692.62	666.28	665.71	641.67	630.95
325.	553.95	493.81	455.48	178.47	24.95	24.70	24.65	659.07	698.81	685.71	659.07	660.48	637.86	631.67
330.	549.07	495.71	458.81	178.15	24.95	24.77	24.95	665.48	690.24	664.65	667.14	650.71	628.57	603.72
335.	554.88	493.95	458.57	183.87	24.67	24.67	25.20	660.09	696.43	666.51	672.14	658.57	633.09	608.37
340.	543.49	476.98	436.43	151.05	24.90	24.57	25.20	660.71	687.86	658.14	663.33	647.38	627.38	604.42
345.	543.02	498.57	460.24	183.90	24.80	24.32	25.10	654.52	659.07	662.38	655.24	645.00	629.28	608.60
350.	552.38	466.51	406.51	175.92	26.13	24.85	24.15	646.19	667.14	657.62	645.95	631.90	602.56	600.70
355.	546.90	477.44	460.24	129.07	26.70	25.27	24.00	638.57	657.86	647.38	640.48	623.81	604.52	586.05
360.	545.48	471.86	440.24	105.90	24.97	24.63	24.38	631.67	650.00	639.76	630.95	605.35	588.84	583.72
365.	528.37	471.16	452.62	169.42	24.72	24.89	24.57	624.28	644.76	638.89	628.33	601.39	585.35	593.09
370.	525.58	462.56	439.76	150.90	24.65	24.97	24.75	603.26	643.33	626.43	603.72	605.95	589.76	583.33
375.	526.51	465.35	439.30	202.47	24.45	24.88	24.45	611.43	630.00	606.05	600.70	605.48	587.14	567.44
380.	515.81	461.63	436.43	163.02	24.38	24.70	24.47	607.38	628.57	603.26	608.81	584.08	584.52	564.65
385.	521.43	459.52	402.62	105.80	25.57	25.07	23.92	584.19	601.16	604.76	584.65	580.52	562.09	555.81
390.	518.33	459.77	427.38	152.05	25.72	25.10	24.20	592.62	609.28	586.74	579.53	583.33	555.58	550.46
395.	514.28	460.48	410.46	135.35	24.82	24.52	24.42	583.81	584.68	590.24	584.76	561.39	549.53	544.88
400.	495.12	450.70	395.00	87.50	27.70	25.07	25.13	561.16	588.81	568.14	562.79	554.88	540.93	547.14
405.	490.46	454.76	406.19	72.58	25.72	24.90	25.17	553.95	567.21	561.39	556.90	548.37	548.57	542.86
410.	495.00	437.91	403.49	65.29	25.52	25.02	24.47	546.05	559.53	552.09	546.51	551.19	526.51	520.93
415.	479.30	436.05	389.85	61.79	25.97	24.97	24.30	540.46	554.19	548.14	543.26	547.86	522.56	517.91
420.	474.42	436.19	390.71	59.40	25.95	24.97	25.47	544.52	547.44	540.23	546.90	523.72	512.32	519.52
425.	467.44	439.52	370.24	61.21	25.27	25.22	25.40	523.25	549.09	529.30	524.88	516.74	510.81	514.28
430.	458.84	429.29	352.45	61.82	25.25	25.02	25.75	515.81	526.90	520.23	516.28	518.33	497.44	494.19
435.	451.86	421.19	370.46	63.36	24.90	24.92	24.30	520.95	521.16	514.42	519.52	512.14	490.70	495.95
440.	459.52	424.05	367.86	66.88	25.02	24.82	24.77	513.81	511.39	517.62	512.14	493.25	495.24	478.84
445.	455.24	406.28	365.12	67.83	25.40	24.63	24.25	494.42	516.90	498.60	492.79	497.62	477.44	471.86
450.	435.58	403.02	363.93	59.50	25.27	25.02	24.90	498.81	496.74	490.93	497.86	479.30	472.09	468.37
455.	439.76	405.71	341.09	56.05	25.40	24.88	24.97	480.00	499.20	494.28	479.07	471.63	462.09	459.53
460.	434.05	402.86	326.52	53.51	25.07	24.63	24.32	472.56	477.21	473.49	468.84	462.32	454.65	451.39
465.	427.14	393.81	351.48	52.80	25.38	24.80	25.35	466.05	472.09	467.21	461.63	456.51	458.57	455.24
470.	408.37	390.95	319.50	51.44	26.35	24.88	24.63	459.53	465.12	459.07	455.35	460.71	453.33	439.07

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
475.	405.12	387.86	308.80	50.85	25.07	24.77	23.90	451.86	454.08	451.63	458.81	453.81	436.05	433.02
480.	401.16	389.05	326.24	50.44	25.13	24.50	25.07	455.95	458.01	455.71	452.38	436.74	440.24	436.43
485.	402.38	368.14	315.90	49.54	25.95	24.65	24.47	439.35	451.90	438.14	434.80	430.70	434.05	430.95
490.	398.57	368.37	294.19	48.34	25.20	25.32	25.85	433.67	434.06	431.84	439.00	435.33	429.14	427.17
495.	393.57	362.79	324.57	47.88	25.90	24.50	24.22	437.86	437.17	435.40	433.26	428.86	421.57	409.53
500.	388.57	359.29	304.29	48.27	27.55	24.82	25.05	432.19	432.36	429.52	426.98	422.06	405.86	403.79
505.	383.33	363.33	316.19	48.73	27.05	24.57	24.13	427.02	426.93	423.64	421.90	408.77	401.93	409.55
510.	370.93	359.05	311.24	48.19	26.80	24.67	24.07	421.71	420.78	408.14	406.44	402.77	406.19	405.43
515.	364.93	348.79	291.17	46.76	25.85	24.47	24.72	406.63	405.02	403.39	401.26	405.86	400.55	398.38
520.	368.21	345.36	293.83	45.39	26.27	24.45	24.92	401.60	409.40	407.93	405.64	402.14	395.81	394.09
525.	364.40	348.48	282.98	44.15	25.90	24.52	24.58	406.29	404.05	402.76	400.79	396.31	391.21	389.17
530.	360.64	344.86	293.02	43.24	25.63	24.38	24.07	401.38	397.98	396.38	394.62	391.74	385.36	384.02
535.	355.43	346.05	274.58	42.24	26.45	24.50	24.35	396.52	392.76	392.24	389.81	385.69	389.81	389.02
540.	353.21	345.32	270.41	42.15	25.80	24.38	24.42	391.43	386.52	385.74	383.86	380.62	386.32	385.60
545.	346.55	325.88	257.76	41.63	26.17	24.35	24.00	386.79	381.40	381.26	378.53	367.00	369.48	368.98
550.	343.74	322.81	256.85	41.63	25.70	24.35	24.13	382.14	368.07	367.70	365.70	362.46	366.36	365.67
555.	340.98	320.09	231.85	40.98	25.45	24.15	23.80	369.23	363.67	363.56	361.86	366.59	360.67	360.17
560.	343.05	311.31	226.25	40.58	25.22	24.25	24.63	364.88	366.29	366.40	364.69	360.64	353.36	356.00
565.	339.58	313.12	246.56	39.51	25.35	24.10	24.02	369.36	361.69	361.33	360.33	357.62	350.21	349.36
570.	328.50	309.80	241.73	39.85	25.25	24.07	23.67	365.55	358.24	358.00	356.52	353.69	344.93	342.76
575.	323.81	291.74	222.85	39.19	25.70	24.17	24.45	361.62	353.79	353.50	352.05	347.36	348.37	347.90
580.	319.81	291.00	233.00	39.19	26.45	24.65	23.70	357.69	348.49	348.12	345.98	341.59	342.39	342.19
585.	312.45	290.46	206.51	38.80	26.38	24.95	23.70	353.95	345.43	344.55	342.36	346.27	328.93	328.02
590.	311.24	283.24	225.85	39.10	26.47	24.25	24.02	350.45	342.31	348.15	344.32	339.41	322.86	321.57
595.	316.27	283.07	202.30	38.54	25.20	24.05	24.10	347.07	347.00	345.05	340.76	327.48	319.58	316.79
600.	309.54	276.71	220.40	38.05	26.00	24.65	23.65	343.45	342.27	341.68	329.14	320.88	314.93	312.50
605.	306.05	269.10	202.05	37.58	25.77	24.00	24.32	348.27	338.56	329.05	323.69	317.24	317.83	314.10
610.	305.41	266.02	182.75	36.73	25.42	24.20	24.30	345.82	327.49	324.98	319.33	312.50	314.41	311.66
615.	297.51	263.78	184.97	36.17	25.10	24.13	23.82	341.80	324.59	322.50	316.98	316.54	308.95	306.44
620.	295.27	260.17	185.30	35.88	24.72	23.80	24.20	338.71	320.49	318.88	313.69	313.22	304.03	292.67
625.	290.32	248.63	172.50	35.37	24.72	24.22	24.27	327.67	317.14	315.57	310.69	309.00	292.69	294.29
630.	292.51	245.68	165.97	35.56	24.70	23.90	23.52	324.74	314.19	311.43	314.10	305.71	291.69	293.93
635.	286.83	243.93	178.35	35.44	24.90	24.05	24.07	322.00	310.76	316.05	312.07	293.64	294.78	290.17
640.	282.85	238.15	167.70	35.88	25.00	24.02	23.50	319.26	315.27	312.98	306.93	297.24	291.29	286.61
645.	279.17	237.02	163.00	35.15	24.63	23.82	23.57	316.64	313.54	310.51	303.39	295.22	288.15	283.61
650.	274.98	234.22	170.10	34.73	25.47	23.80	23.87	314.17	312.10	308.17	302.00	292.46	285.27	279.63
655.	269.76	230.34	169.38	34.34	24.63	23.75	23.70	311.52	307.90	304.85	291.43	289.19	282.93	276.61
660.	266.51	230.49	162.20	34.07	24.55	23.82	23.52	316.54	304.06	302.24	296.05	286.61	277.08	275.19
665.	263.78	232.17	158.72	33.78	24.45	23.58	23.70	314.05	302.83	292.36	293.66	284.39	274.66	269.32
670.	260.71	230.24	166.80	34.10	25.50	23.52	23.67	311.63	294.65	296.88	290.73	281.44	269.85	266.66
675.	260.90	221.88	153.92	34.29	24.40	23.70	23.77	309.07	291.80	293.80	287.39	277.24	269.78	262.95
680.	261.29	230.67	149.65	33.90	25.27	23.37	23.42	306.71	295.71	290.56	283.51	274.22	267.19	260.98
685.	256.63	221.17	140.65	33.95	24.60	23.72	23.95	304.46	293.50	289.56	281.12	269.08	262.39	258.60
690.	243.80	206.00	146.67	34.27	24.92	24.20	23.65	302.19	291.12	286.85	278.95	267.56	259.32	254.34
695.	240.27	203.58	129.56	34.51	25.95	25.27	23.63	292.88	289.22	284.71	276.24	265.02	257.29	251.95
700.	239.83	199.85	136.35	34.54	25.57	24.02	23.80	297.80	286.49	281.83	274.12	262.00	254.49	247.29
705.	237.58	202.80	142.63	34.63	24.52	24.17	23.75	295.73	283.22	278.98	272.15	259.73	251.34	245.71
710.	240.63	195.63	152.20	34.32	24.95	24.02	24.07	293.54	281.51	277.88	269.29	257.71	249.15	242.87
715.	236.07	190.32	129.41	33.15	24.45	23.67	24.22	291.37	279.15	275.80	266.71	254.54	245.15	239.78
720.	240.10	187.30	125.37	33.00	24.72	23.72	23.80	289.34	277.71	273.46	265.29	252.39	243.56	237.12

TIME	0	1	2	3	4	5	6	7	8	9	10	11	12	13
725.	235.44	184.27	122.29	33.56	25.57	23.77	23.87	287.32	275.34	271.32	261.12	240.41	240.58	234.02
730.	232.37	180.42	115.46	33.58	24.55	24.00	23.97	285.34	273.32	269.34	259.78	246.46	236.76	230.83
735.	228.63	177.05	122.02	32.85	25.20	24.32	23.57	283.41	271.46	267.19	256.61	244.10	233.93	229.08
740.	229.41	176.85	127.61	33.27	24.80	24.85	23.40	281.51	269.17	265.17	254.41	242.56	231.85	229.72
745.	234.46	171.13	133.37	33.27	24.80	24.00	23.65	279.63	267.17	262.66	252.71	239.93	230.68	226.88
750.	231.07	172.42	123.19	32.73	24.65	23.67	23.72	277.93	264.98	260.24	248.19	237.24	229.17	223.00
755.	231.60	166.13	122.07	32.83	24.35	23.70	23.67	276.12	262.37	258.02	247.27	234.61	230.80	223.05
760.	223.95	163.47	107.98	32.80	24.97	23.72	23.87	274.34	261.15	256.02	244.95	232.66	227.85	218.60
765.	222.15	162.75	126.12	32.66	24.45	23.97	23.72	272.61	258.61	254.10	242.60	230.58	225.27	217.47
770.	221.82	158.92	118.58	32.76	24.92	23.70	23.82	271.00	257.17	252.51	241.88	229.15	222.97	215.95
775.	205.51	155.60	104.32	32.88	24.47	23.67	24.00	269.39	255.07	250.34	238.95	228.00	221.10	207.93
780.	205.76	154.35	113.93	32.76	24.70	23.80	24.42	267.66	253.44	247.27	235.90	231.57	219.10	204.68
785.	215.20	152.63	115.27	32.37	24.63	23.95	24.05	266.10	252.24	246.15	235.05	229.52	210.45	202.61
790.	220.17	156.27	114.12	31.61	24.63	23.67	24.15	264.56	250.58	244.10	232.95	227.92	216.17	201.71
795.	214.62	150.15	97.45	31.27	24.65	23.60	23.42	263.02	248.95	243.12	230.80	225.95	213.97	200.00
800.	205.90	150.17	111.61	31.27	24.75	23.92	24.65	261.54	247.15	241.02	229.27	223.50	206.90	199.39
805.	199.97	148.82	112.78	31.17	24.17	23.60	24.10	260.12	245.61	239.41	232.32	221.90	203.80	198.68
810.	204.56	144.10	109.17	30.58	24.50	23.63	23.72	258.71	244.12	237.56	231.80	219.25	203.61	201.57
815.	203.25	144.07	112.10	30.66	24.32	23.67	23.35	257.29	242.80	235.66	230.05	218.65	202.54	197.47
820.	203.61	144.85	113.68	31.05	24.13	23.50	24.00	255.98	241.66	235.15	228.80	217.60	200.61	198.02

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.	27.77	27.12	27.05	26.67	26.75	75.95	25.63	25.20	25.10	27.32	32.12	24.90	24.82	24.47
0.	27.85	27.17	27.22	27.05	26.72	1405.38	25.60	25.10	25.27	27.20	32.10	25.13	25.25	24.50
0.	27.80	27.17	27.42	27.02	26.80	101.80	25.05	25.47	24.97	27.10	32.12	24.80	24.20	24.47
0.	27.85	27.32	27.42	27.17	26.77	105.19	25.82	25.67	24.80	27.00	32.12	25.02	24.88	24.47
0.	27.63	27.55	27.55	27.25	26.92	67.64	25.77	25.88	25.05	26.85	32.07	24.85	25.00	24.52
0.	27.63	27.47	27.52	27.07	26.90	793.41	25.97	25.65	25.30	27.07	32.10	24.80	24.72	24.52
5.	29.02	28.97	28.95	28.90	28.82	109.10	27.92	28.28	29.05	29.47	32.70	28.67	28.75	25.63
10.	34.46	34.15	30.46	29.46	29.60	78.85	29.35	29.30	28.95	29.77	34.46	28.70	28.57	25.65
15.	39.66	39.54	37.98	37.71	31.05	78.21	29.29	29.70	29.17	29.68	36.19	28.02	28.63	25.77
20.	46.80	45.80	43.93	43.10	38.39	112.07	33.66	29.60	28.92	30.49	39.05	28.22	28.30	25.82
25.	53.63	55.90	51.15	46.66	37.66	148.30	30.58	29.42	28.95	32.39	44.44	27.82	28.67	25.85
30.	77.71	76.24	70.49	58.86	49.02	104.51	31.51	30.90	29.66	35.85	54.24	29.97	29.92	26.00
35.	128.93	134.20	119.29	92.62	66.21	154.00	36.68	32.44	32.17	44.39	74.90	31.56	31.60	26.10
40.	201.61	202.77	186.47	159.90	107.46	493.25	49.98	36.03	36.39	58.79	105.80	33.80	35.61	26.30
45.	293.79	285.78	263.27	258.46	187.67	101.24	54.19	40.76	40.54	81.31	158.17	38.93	38.10	26.55
50.	346.90	348.07	311.48	297.39	235.66	102.73	54.39	44.15	43.66	112.56	198.54	43.83	39.70	26.90
55.	353.50	342.50	318.69	297.24	241.88	92.00	63.50	51.29	46.61	142.35	232.20	46.46	44.51	27.30
60.	367.44	355.71	327.45	304.73	259.58	74.12	75.49	60.00	53.05	159.88	262.05	51.34	52.44	27.82
65.	364.19	346.67	322.14	295.58	247.34	94.71	87.48	65.07	57.56	170.10	291.63	56.56	54.32	28.45
70.	382.86	349.36	320.29	296.98	243.46	13.40	103.63	71.66	61.31	179.15	314.09	60.57	60.02	29.20
75.	397.38	370.00	346.37	309.00	267.88	-3.10	110.27	78.41	66.64	184.27	356.50	65.69	64.17	29.32
80.	409.77	366.98	343.38	322.86	275.34	-16.08	113.19	84.19	71.56	184.30	383.24	71.46	64.81	30.29
85.	435.00	402.62	368.57	329.57	294.39	-29.61	123.10	89.81	75.58	196.75	402.09	75.63	71.54	31.41
90.	432.79	406.67	364.42	343.83	304.98	-48.72	140.88	100.32	78.00	198.83	451.67	79.34	75.44	32.58
95.	455.48	407.91	383.33	351.24	314.52	89.43	150.25	109.80	83.45	206.83	454.88	83.24	78.43	33.90
100.	458.84	426.43	391.43	365.59	324.09	115.27	161.55	111.85	89.52	221.60	474.65	89.26	86.90	35.29
105.	454.88	433.81	401.90	370.24	322.67	-26.79	166.77	116.83	94.89	226.82	497.86	92.76	89.80	36.90
110.	468.84	440.71	403.33	366.51	326.43	1041.79	164.47	114.22	100.44	228.24	494.65	96.67	93.38	38.41
115.	496.43	460.48	423.81	383.09	342.93	1553.33	172.30	118.32	105.41	232.05	512.56	101.49	94.29	40.17
120.	490.93	458.37	434.28	398.57	354.29	549.89	183.25	126.46	112.39	237.78	510.37	106.68	102.68	42.07
125.	500.71	459.77	435.71	393.52	356.90	926.50	173.80	136.47	115.60	246.80	529.30	110.27	105.00	43.98
130.	518.81	465.58	439.29	409.05	362.56	1037.95	194.00	142.47	120.83	258.29	544.42	120.17	112.80	45.02
135.	518.33	466.51	438.68	408.60	381.19	90.19	200.02	138.57	123.95	266.88	551.39	116.54	111.37	48.24
140.	518.37	475.58	460.48	428.81	380.57	1910.77	204.07	147.67	126.12	264.73	584.28	123.93	115.46	50.54
145.	527.67	495.95	452.32	434.76	386.19	2401.28	201.27	150.92	128.71	271.63	579.53	129.17	120.24	52.90
150.	527.21	494.76	457.91	433.33	390.71	2530.26	202.58	151.88	138.20	274.39	585.35	134.27	121.34	55.32
155.	525.35	492.38	456.28	436.67	392.38	1331.29	213.65	160.35	133.45	286.07	594.65	127.78	116.56	57.90
160.	529.07	496.43	464.88	434.42	397.86	1425.13	202.66	155.88	135.20	289.58	588.84	133.90	121.44	59.05
165.	519.30	492.38	460.23	431.16	396.43	1490.97	192.60	161.75	140.67	295.00	588.14	137.92	128.15	61.64
170.	542.09	496.51	470.46	452.14	405.24	2521.79	202.51	159.67	143.92	297.02	601.16	139.52	128.54	64.29
175.	547.38	498.14	476.28	451.19	405.24	2309.74	213.80	165.97	149.97	294.44	600.23	142.57	136.82	67.00
180.	540.70	499.30	473.72	451.67	406.90	2231.79	217.38	169.95	152.67	292.57	609.14	145.07	136.27	71.49
185.	551.86	512.79	478.37	455.48	405.00	2211.02	200.70	161.47	160.70	309.34	630.24	145.42	138.00	74.29
190.	560.46	524.19	500.48	455.00	406.51	1519.49	223.72	177.27	157.05	308.17	625.48	158.95	144.95	77.07
195.	566.51	525.12	490.70	455.71	402.56	515.81	205.08	177.32	159.80	305.32	640.24	147.35	139.42	78.14
200.	559.07	519.53	498.81	459.28	405.40	85.93	218.35	167.80	190.00	308.05	630.48	145.35	136.20	80.93
205.	555.58	521.63	491.39	452.32	405.35	-144.10	229.87	174.52	159.67	308.32	627.38	145.30	140.60	83.83
210.	563.95	524.19	490.93	454.88	407.91	-272.05	202.76	177.07	165.30	315.66	629.28	150.45	146.90	86.74
215.	567.67	528.14	495.49	455.00	401.16	-243.33	203.22	177.82	160.15	311.31	638.57	147.82	143.65	89.64
220.	584.05	549.05	515.48	458.60	430.00	109.73	228.47	189.22	165.70	318.50	636.19	161.22	149.80	92.62

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
225.	608.81	554.42	516.05	470.46	408.14	264.39	222.45	187.05	171.17	325.67	645.00	154.20	154.20	95.57
230.	633.81	611.43	551.16	498.33	428.09	350.48	227.52	200.65	171.00	339.37	651.90	160.07	153.77	100.60
235.	586.05	560.70	550.00	520.71	432.79	-20.97	224.27	190.75	185.00	341.71	654.05	166.75	164.15	104.00
240.	610.48	555.35	513.95	470.23	430.93	125.61	226.50	187.60	183.65	342.44	660.93	163.22	156.67	107.07
245.	633.81	585.95	520.70	467.67	432.62	100.76	234.50	190.20	179.40	348.34	685.71	160.77	161.87	110.22
250.	599.53	558.14	518.60	472.56	437.86	1463.85	235.80	198.63	183.72	327.31	672.06	157.52	153.83	113.32
255.	604.28	550.46	521.67	470.93	431.39	1285.64	232.85	196.72	184.25	330.63	670.00	156.00	155.40	116.49
260.	624.28	592.14	547.38	477.21	434.52	1963.85	234.08	195.30	185.50	320.07	664.20	157.40	161.50	119.56
265.	602.56	587.38	541.63	497.44	438.33	1750.51	216.85	198.17	178.82	297.24	661.67	169.27	155.77	122.61
270.	609.52	567.44	545.24	501.43	439.05	2305.64	206.93	175.85	179.70	283.12	657.14	161.77	161.35	125.61
275.	611.90	560.93	528.60	497.38	440.46	2458.72	220.60	191.97	179.70	282.27	650.01	161.05	164.52	128.63
280.	626.90	587.67	554.65	515.48	438.14	2363.83	232.27	194.92	180.02	291.85	663.33	167.52	161.45	134.95
285.	604.42	585.35	554.88	515.35	435.50	1959.26	230.56	186.82	193.65	281.02	664.76	169.22	167.60	130.00
290.	613.09	588.09	542.09	514.28	454.05	2312.31	229.77	200.02	195.82	279.02	665.48	171.72	180.17	140.97
295.	631.67	587.91	555.58	510.23	456.05	2256.67	241.66	202.60	193.65	287.80	673.33	176.45	176.15	143.95
300.	629.52	588.84	550.00	518.57	460.95	1952.31	231.02	202.72	199.92	280.68	660.57	171.27	180.07	146.90
305.	599.53	583.81	552.38	495.58	456.43	1586.92	232.54	205.78	197.20	283.32	667.62	170.67	178.55	149.97
310.	605.81	590.24	546.28	515.71	452.14	1211.02	232.90	199.20	198.63	280.83	665.00	168.05	172.67	152.82
315.	586.98	562.32	546.67	491.63	455.00	822.68	231.93	216.37	202.97	288.80	660.00	166.27	180.27	155.57
320.	605.48	563.02	527.67	493.33	455.48	66.31	228.80	205.19	195.30	285.46	658.09	168.20	163.97	158.35
325.	610.71	586.19	548.14	516.67	435.12	20.25	229.65	201.27	191.55	294.58	653.57	161.32	160.97	161.07
330.	582.32	560.00	545.00	500.71	436.05	-563.33	225.92	200.56	195.63	283.39	646.67	166.65	173.25	163.67
335.	583.95	560.23	544.05	493.33	439.05	-664.36	225.07	196.32	195.05	289.02	644.05	168.22	165.57	166.25
340.	584.42	559.77	544.28	498.81	438.60	-45.64	215.57	190.32	197.97	283.85	640.40	170.27	169.45	168.67
345.	606.90	586.90	549.77	518.33	453.33	246.34	217.75	190.32	199.57	286.00	635.71	163.13	163.10	171.00
350.	586.28	585.24	548.60	514.52	430.70	315.71	223.82	194.55	193.12	282.61	630.00	169.63	162.75	173.30
355.	585.00	551.39	529.53	497.62	410.23	1277.18	230.52	200.00	185.50	287.54	608.37	158.00	159.62	175.50
360.	567.91	543.95	523.02	495.95	433.09	1149.97	220.87	189.25	191.45	278.90	601.39	161.02	160.30	177.57
365.	564.19	545.12	522.56	501.67	409.14	1974.61	221.65	191.47	191.60	285.90	609.05	161.50	168.15	179.52
370.	551.63	544.52	511.39	465.81	423.33	1758.46	224.35	189.17	180.10	286.10	586.90	163.37	160.97	181.40
375.	552.56	549.05	516.74	495.00	405.35	1994.36	226.35	193.92	190.10	278.80	582.79	162.35	159.13	183.17
380.	548.84	545.00	519.05	460.93	404.65	1924.61	221.10	194.95	188.13	282.95	592.14	152.70	159.13	184.88
385.	542.09	522.09	499.30	459.30	409.30	1890.26	219.25	199.97	185.40	276.80	585.95	155.45	154.25	186.47
390.	547.14	516.98	499.53	457.91	408.81	1190.46	217.63	199.52	185.47	282.46	566.05	156.92	160.25	187.95
395.	529.30	513.72	500.71	439.30	405.00	1020.51	208.24	186.52	184.30	267.93	559.77	149.50	150.55	189.38
400.	521.63	516.90	476.74	433.26	387.14	775.61	204.10	173.92	183.87	266.68	552.32	156.40	153.27	190.57
405.	517.21	514.05	492.14	436.98	394.05	433.33	205.10	176.35	177.70	265.66	545.12	147.25	147.35	191.77
410.	519.28	490.93	469.53	439.29	369.53	109.58	200.51	180.35	174.37	255.40	551.67	145.17	146.27	192.88
415.	516.43	490.23	471.39	432.32	368.60	75.98	198.85	169.90	172.27	249.83	546.19	134.90	141.77	193.70
420.	493.95	476.51	455.81	425.00	365.62	-13.10	191.90	151.95	170.77	250.39	526.20	135.97	142.02	194.55
425.	490.23	474.65	451.86	410.93	352.52	1041.54	190.98	156.27	168.40	254.27	519.30	136.15	142.92	195.25
430.	495.00	472.32	452.09	422.62	363.49	-964.36	187.95	165.87	167.15	253.54	512.32	127.90	139.97	195.80
435.	473.25	460.00	435.81	406.51	355.48	-1100.74	183.30	160.17	163.92	240.80	517.86	136.73	136.52	196.37
440.	466.28	460.95	431.86	406.90	352.86	-955.90	182.27	152.25	164.02	245.56	493.37	123.12	137.77	196.67
445.	459.77	458.57	433.02	407.38	341.05	120.95	181.45	162.72	163.77	236.50	492.32	122.37	129.80	197.00
450.	455.35	452.86	433.33	404.05	345.54	78.43	183.07	159.85	159.72	235.83	497.14	117.39	133.52	197.25
455.	459.28	437.21	427.86	396.19	344.33	105.15	177.30	156.97	158.40	232.90	470.60	114.17	128.44	197.38
460.	439.07	436.19	410.00	394.29	339.46	175.10	172.15	157.47	150.97	238.76	471.16	112.10	134.47	197.40
465.	432.56	429.76	406.05	387.62	315.74	30.19	169.62	145.35	155.13	227.98	465.12	124.27	135.55	197.32
470.	438.57	427.38	410.00	371.39	310.79	165.02	170.52	138.85	150.27	229.57	450.37	115.63	125.05	197.20

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
475.	433.57	408.60	400.95	366.51	315.98	195.15	164.62	139.32	145.95	221.50	452.32	100.56	121.95	196.95
480.	424.52	403.02	395.95	364.19	317.78	223.10	164.20	146.00	144.67	218.88	456.67	106.29	119.68	196.72
485.	420.95	400.57	392.38	369.52	312.43	-93.00	161.72	133.70	145.25	200.54	127.65	107.95	119.37	196.35
490.	407.35	404.57	389.62	364.07	305.71	7.07	161.32	135.57	142.30	202.58	434.45	103.19	111.90	195.97
495.	407.71	396.17	382.33	361.02	293.12	53.27	157.00	134.25	149.13	203.22	439.21	109.12	111.12	195.35
500.	401.38	388.86	369.67	353.20	290.90	52.60	154.92	136.80	136.07	202.77	433.43	103.78	109.70	194.77
505.	398.43	387.69	366.77	349.90	289.98	85.05	148.96	122.51	133.45	196.72	420.52	102.39	112.02	194.20
510.	396.45	382.52	362.12	345.62	285.02	149.07	150.47	123.83	134.65	192.50	423.05	100.15	111.51	193.32
515.	387.52	367.19	365.07	341.64	284.71	53.71	143.56	121.10	128.24	193.20	490.14	94.45	105.71	192.57
520.	385.50	364.84	362.02	345.07	291.63	-15.41	150.30	129.61	128.10	195.57	403.20	95.79	106.32	191.77
525.	370.19	368.09	356.07	342.37	283.80	151.80	144.07	118.63	126.17	196.02	407.00	101.85	112.06	190.82
530.	366.26	365.48	356.79	326.12	271.90	178.80	144.40	112.44	125.10	195.70	402.95	96.45	107.02	189.97
535.	368.43	356.12	347.02	318.79	269.27	195.75	141.67	111.80	125.34	193.20	398.19	93.26	104.98	189.05
540.	365.09	354.29	342.36	317.29	255.66	206.85	136.72	110.27	122.65	181.55	393.40	92.49	101.22	188.05
545.	359.38	346.69	342.83	310.55	254.39	-86.74	130.00	115.00	121.02	180.32	388.74	92.98	103.61	187.07
550.	355.95	344.21	338.71	315.49	241.29	-82.03	129.29	110.27	119.71	177.30	384.26	84.24	90.59	185.97
555.	350.21	345.37	326.07	309.73	244.78	88.12	128.93	107.44	117.99	169.97	371.21	87.83	100.93	184.95
560.	343.38	329.09	322.79	306.37	237.22	113.34	127.83	106.85	111.44	176.50	366.77	81.95	90.69	183.75
565.	341.29	328.48	316.57	303.80	235.51	657.62	124.51	106.88	108.80	175.20	362.56	81.93	92.74	182.57
570.	343.19	324.36	315.17	296.71	232.90	767.85	118.44	101.58	113.27	175.17	367.40	89.50	94.93	181.30
575.	340.00	320.85	316.61	292.27	229.22	125.71	121.66	106.00	112.66	170.65	363.50	85.26	93.49	180.07
580.	326.79	316.38	312.85	287.76	228.66	70.78	117.10	97.45	105.08	166.88	359.17	79.31	83.90	178.85
585.	318.62	316.34	307.41	281.88	230.65	-5.13	120.27	103.05	103.95	159.95	355.31	81.52	90.57	177.55
590.	313.93	310.95	303.41	277.58	218.97	178.10	119.90	100.05	109.07	160.52	351.31	79.34	92.31	176.25
595.	315.54	307.00	293.71	271.95	202.68	188.72	118.93	101.22	104.90	154.80	347.74	79.41	84.50	174.92
600.	311.24	302.76	293.39	267.17	206.37	183.57	114.39	96.86	95.90	153.17	344.09	78.64	90.02	173.52
605.	307.22	291.52	288.19	261.00	203.61	64.64	115.07	92.69	100.61	151.47	340.69	73.09	83.24	172.17
610.	294.26	294.49	284.07	256.73	198.66	49.71	109.02	93.71	103.10	152.85	345.27	78.74	91.57	170.80
615.	296.71	290.63	279.66	252.76	198.75	23.00	109.54	93.40	102.10	148.95	342.32	78.51	80.26	169.42
620.	289.88	284.88	271.93	248.90	202.38	35.24	111.24	95.67	97.45	144.10	339.07	77.86	88.79	168.15
625.	285.07	279.98	268.93	245.49	196.57	76.93	107.56	93.12	96.00	141.72	327.76	77.54	84.17	166.80
630.	284.93	275.29	266.05	243.51	196.57	55.85	105.15	87.81	100.76	144.22	325.85	76.95	89.38	165.52
635.	281.56	274.49	263.19	239.78	189.92	12.25	103.93	85.71	97.56	137.70	322.33	72.88	80.40	164.22
640.	279.24	269.27	261.12	235.39	188.47	83.52	103.27	84.86	95.45	135.20	319.90	67.40	79.83	163.02
645.	273.19	266.22	257.51	232.34	184.75	86.90	97.59	83.21	92.64	135.05	317.05	72.00	72.32	161.75
650.	270.15	264.83	251.98	231.95	176.72	80.31	103.54	86.76	91.29	137.32	314.76	70.95	80.26	160.50
655.	266.24	260.68	246.88	231.50	175.45	48.76	102.32	83.07	93.07	134.72	312.05	71.83	81.95	159.15
660.	266.61	256.44	243.58	228.35	174.55	14.75	97.26	84.24	92.07	135.15	317.12	73.45	83.52	157.82
665.	262.17	253.58	237.85	225.45	175.30	53.22	97.49	84.93	90.90	127.05	314.93	66.33	78.71	156.52
670.	255.88	248.10	232.95	222.70	171.25	31.71	100.15	83.98	88.40	125.29	312.61	72.27	83.02	155.22
675.	254.83	245.88	230.54	218.32	166.90	94.38	96.36	83.69	87.29	121.98	309.90	65.24	73.27	153.95
680.	250.73	244.68	228.83	218.00	161.49	100.29	93.31	82.36	87.07	120.93	307.37	71.95	79.57	152.63
685.	246.56	239.37	226.22	215.30	164.20	124.93	95.50	80.93	87.33	120.78	305.12	73.00	83.31	151.30
690.	244.34	236.51	226.57	206.71	162.92	125.44	93.93	81.93	85.88	116.95	303.02	65.26	74.02	150.05
695.	240.83	232.80	224.15	205.24	162.25	121.83	93.09	80.33	87.60	116.19	298.64	63.45	74.95	148.67
700.	235.78	230.24	225.02	205.58	159.22	107.63	93.57	77.64	83.57	112.00	291.93	64.05	79.15	147.42
705.	233.73	228.15	218.70	203.05	157.32	94.17	95.64	78.05	86.36	115.85	296.88	64.81	78.32	146.15
710.	232.10	230.10	217.17	199.54	155.42	97.31	92.24	78.93	87.76	114.63	295.05	64.69	77.83	144.77
715.	229.72	222.80	214.65	201.70	152.97	87.02	90.09	79.51	84.19	112.76	292.80	62.50	77.51	143.50
720.	227.57	223.75	205.22	200.45	147.90	96.31	87.90	74.98	78.79	112.54	290.98	71.24	78.34	142.30

TIME	14	15	16	17	18	19	20	21	22	23	24	25	26	27
725.	227.77	222.17	201.46	194.45	152.47	121.00	87.24	78.07	83.64	112.44	288.78	67.57	77.17	141.17
730.	224.13	217.45	201.07	192.85	149.55	134.07	82.40	74.63	81.90	113.44	286.95	63.76	75.51	139.97
735.	221.37	207.49	199.50	193.72	144.97	142.05	85.79	74.83	78.73	109.63	285.00	72.34	78.12	138.75
740.	218.02	206.34	198.72	191.22	144.45	150.70	85.07	74.15	80.09	109.41	283.39	64.95	76.78	137.55
745.	215.72	203.85	196.13	187.52	142.80	165.70	85.02	71.73	78.95	106.51	281.27	69.74	72.32	136.27
750.	213.70	202.27	192.77	188.75	139.27	171.27	84.83	70.07	81.57	104.12	279.51	59.49	74.19	135.20
755.	203.02	200.68	195.27	184.80	138.55	173.82	82.31	71.15	79.59	103.19	277.73	63.45	70.66	134.08
760.	201.46	202.50	188.13	183.17	135.25	-35.00	83.00	73.93	76.98	100.85	276.10	57.96	66.52	129.56
765.	201.93	200.87	187.67	184.15	134.82	-37.79	83.38	70.34	80.09	97.12	274.19	59.31	70.41	128.39
770.	199.22	198.97	183.57	182.72	133.90	-39.82	79.88	65.95	78.68	100.80	272.68	56.44	63.31	127.27
775.	200.45	193.45	182.45	181.40	135.90	-35.31	80.24	64.88	75.41	96.64	271.12	58.05	64.06	126.05
780.	195.97	189.47	182.63	179.13	135.82	-49.55	80.30	67.52	78.37	93.45	269.29	58.15	63.96	124.88
785.	194.00	191.15	178.85	178.65	125.10	-31.28	80.69	71.19	77.32	96.00	267.63	61.69	72.49	123.80
790.	194.00	189.65	178.65	174.75	124.39	-35.97	80.67	67.19	75.44	97.09	266.24	61.86	65.02	122.65
795.	191.57	187.42	179.22	172.85	126.22	-36.79	78.57	71.05	74.54	93.67	264.85	58.07	67.12	121.54
800.	192.15	187.65	177.67	172.50	128.93	-35.44	77.83	67.24	73.78	94.21	263.29	54.63	59.29	120.51
805.	188.52	182.95	175.47	171.32	126.22	-36.54	76.02	66.07	73.12	94.12	261.66	58.29	62.93	119.49
810.	184.97	182.95	172.10	169.80	136.10	-37.31	77.44	62.36	76.15	93.52	260.00	58.90	71.39	118.37
815.	188.17	182.17	167.17	167.02	134.65	-36.95	77.66	67.00	76.07	89.71	258.83	58.41	64.59	117.37
820.	186.25	181.25	168.37	165.17	125.22	-33.61	78.60	62.62	78.32	93.21	257.46	58.05	69.73	116.34

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.	25.80	26.27	19.29	9503.79	0.00	-0.01	-0.01	0.28	0.00	0.00	0.00	3.39	21.00	-1.22
0.	25.85	26.27	29.48	9509.39	-0.00	-0.01	-0.01	0.20	0.00	0.00	0.00	0.25	20.85	-0.20
0.	26.07	26.40	40.04	9492.59	0.00	-0.01	-0.01	-0.14	0.00	0.00	0.00	3.49	21.00	0.68
0.	26.15	26.63	50.23	9512.20	-0.00	-0.00	-0.01	0.12	0.00	0.00	0.00	4.92	20.99	-0.60
0.	26.15	26.60	59.47	9512.20	0.00	-0.00	-0.01	0.00	0.00	0.00	0.00	3.00	20.99	1.90
0.	26.00	26.32	69.65	9554.21	0.00	-0.00	-0.01	-0.27	0.00	0.00	0.00	0.23	20.84	-0.65
5.	28.75	28.47	10.06	9537.40	0.00	-0.00	-0.00	0.38	0.00	0.00	0.00	2.23	20.92	1.43
10.	29.60	29.38	19.29	9534.60	0.01	-0.00	0.01	0.69	0.00	0.00	0.00	1.56	20.90	0.81
15.	31.76	30.58	29.48	9537.40	0.01	0.01	0.03	0.45	0.00	0.00	0.00	-2.81	20.89	0.90
20.	44.05	41.02	40.04	9543.01	0.03	0.02	0.06	-0.15	0.00	0.00	0.00	1.33	20.79	5.56
25.	40.98	38.37	50.23	9523.40	0.05	0.04	0.11	-0.30	0.00	0.00	0.00	-0.03	20.53	2.98
30.	55.05	51.54	59.47	9464.58	0.11	0.10	0.24	-0.22	0.00	0.00	0.00	-2.75	20.55	4.89
35.	72.71	64.38	69.65	9458.98	0.25	0.23	0.58	-0.08	0.00	0.00	0.00	3.16	20.34	3.47
40.	126.22	104.51	10.06	9360.94	0.46	0.52	1.09	3.92	0.00	0.00	0.00	0.67	20.02	11.77
45.	203.00	174.70	19.30	9243.30	0.65	0.89	1.88	3.41	0.00	0.00	0.00	-0.35	19.21	17.17
50.	228.85	228.10	29.48	9114.45	0.75	1.16	2.96	2.18	0.00	0.00	0.00	-4.24	18.06	8.67
55.	254.54	236.00	40.05	9033.23	0.78	0.97	2.99	-0.72	0.00	0.00	0.00	1.30	16.11	11.15
60.	264.66	252.29	50.23	8970.77	0.80	0.79	3.24	-0.96	0.00	0.00	0.00	3.36	13.93	9.30
65.	239.95	243.46	59.48	8775.53	0.84	0.67	3.37	-1.15	0.00	0.00	0.00	2.03	11.61	8.71
70.	229.58	231.47	69.66	8601.87	0.88	0.60	3.45	-1.08	0.00	0.00	0.00	1.33	10.70	7.23
75.	275.54	259.93	10.07	8492.63	0.94	0.59	4.22	4.11	0.00	0.00	0.00	-0.78	9.67	12.56
80.	263.19	260.49	19.31	8332.98	1.01	0.60	4.70	4.85	0.00	0.00	0.00	0.80	9.10	11.22
85.	301.56	287.95	29.49	8209.73	1.08	0.58	4.77	3.84	0.00	0.00	0.00	1.38	8.59	10.21
90.	292.98	291.31	40.07	8080.89	1.17	0.57	4.79	-0.35	0.00	0.00	0.00	-0.01	7.93	12.29
95.	319.07	316.02	50.24	7910.02	1.21	0.57	5.24	-1.11	0.00	0.00	0.00	9.55	7.42	10.94
100.	329.07	324.02	59.48	7775.57	1.23	0.55	5.10	-1.42	0.00	0.00	0.00	0.47	7.04	13.07
105.	321.24	315.36	69.68	7646.73	1.27	0.55	5.43	-1.39	0.00	0.00	0.00	7.08	6.92	7.60
110.	342.63	323.81	10.08	7548.69	1.34	0.54	5.26	5.34	0.00	0.00	0.00	-0.51	7.00	6.48
115.	345.67	346.34	19.31	7422.65	1.47	0.55	5.61	4.43	0.00	0.00	0.00	-0.50	7.09	11.25
120.	367.24	355.24	29.49	7279.80	1.51	0.54	5.42	3.01	0.00	0.00	0.00	3.42	7.08	12.14
125.	356.81	353.95	40.06	7187.36	1.56	0.54	5.40	-0.47	0.00	0.00	0.00	0.20	7.19	9.59
130.	362.39	364.24	50.24	7050.11	1.65	0.55	5.69	-1.06	0.00	0.00	0.00	1.02	7.29	7.64
135.	386.43	369.98	59.48	6921.27	1.71	0.56	5.87	-1.34	0.00	0.00	0.00	0.03	7.45	14.63
140.	382.67	366.72	69.67	6814.84	1.76	0.56	5.87	-1.36	0.00	0.00	0.00	0.31	7.51	15.50
145.	364.26	366.23	10.08	6680.39	1.73	0.55	5.89	5.40	0.00	0.00	0.00	-2.42	7.73	15.63
150.	383.02	368.84	19.31	6590.75	1.77	0.57	5.99	4.42	0.00	0.00	0.00	2.72	7.64	11.27
155.	364.09	362.28	29.50	6456.30	1.78	0.57	6.14	3.17	0.00	0.00	0.00	3.01	7.82	11.75
160.	394.33	381.52	40.06	6347.06	1.82	0.58	6.27	-0.71	0.00	0.00	0.00	0.42	7.70	12.38
165.	365.72	363.26	50.25	6257.43	1.88	0.58	6.12	-1.00	0.00	0.00	0.00	0.24	7.81	12.66
170.	398.83	389.48	59.49	6156.60	1.91	0.59	6.32	-1.39	0.00	0.00	0.00	0.08	7.86	12.44
175.	389.74	385.36	69.67	5999.74	1.94	0.59	6.45	-1.28	0.00	0.00	0.00	-0.29	7.91	9.96
180.	407.12	395.81	10.07	5932.52	2.01	0.62	6.62	5.72	0.00	0.00	0.00	-7.27	8.35	14.29
185.	401.63	402.55	19.31	5834.48	2.00	0.64	6.63	4.68	0.00	0.00	0.00	-13.09	8.30	12.67
190.	422.98	401.79	29.50	5708.44	2.09	0.65	6.78	3.02	0.00	0.00	0.00	-13.31	8.36	13.33
195.	397.45	396.05	40.06	5596.39	2.12	0.64	6.66	0.72	0.00	0.00	0.00	-10.21	8.45	10.70
200.	409.88	402.40	50.25	5501.16	2.14	0.64	6.64	-1.21	0.00	0.00	0.00	-9.85	8.51	11.62
205.	422.98	408.00	59.48	5419.93	2.20	0.65	6.71	-1.35	0.00	0.00	0.00	-13.93	8.57	9.66
210.	435.83	407.72	69.66	5299.49	2.16	0.65	6.70	-1.46	0.00	0.00	0.00	-9.37	8.81	12.15
215.	410.26	409.71	10.07	5215.46	2.22	0.66	6.63	5.09	0.00	0.00	0.00	3.64	8.62	0.87
220.	433.84	429.19	19.31	5117.43	2.33	0.65	6.53	4.47	0.00	0.00	0.00	12.61	8.74	12.56

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
225.	434.59	435.00	29.49	4991.38	2.42	0.66	6.76	2.97	0.00	0.00	0.00	14.28	8.97	11.21
230.	457.91	458.57	40.06	4893.35	2.54	0.68	7.03	0.54	0.00	0.00	0.00	13.06	8.94	14.23
235.	438.65	436.72	50.24	4781.31	2.50	0.69	7.23	-1.24	0.00	0.00	0.00	-11.09	9.06	16.60
240.	453.81	431.39	59.47	4666.47	2.43	0.71	7.40	-1.37	0.00	0.00	0.00	-4.50	9.55	12.81
245.	431.86	435.93	69.67	4582.43	2.49	0.73	7.51	-1.43	0.00	0.00	0.00	-8.24	9.54	12.44
250.	437.79	432.19	10.07	4494.40	2.37	0.72	7.11	5.97	0.00	0.00	0.00	-8.78	9.03	12.80
255.	437.58	435.36	19.31	4375.16	2.47	0.72	6.94	4.72	0.00	0.00	0.00	-2.17	8.67	9.64
260.	451.43	438.33	29.50	4285.53	2.52	0.71	6.87	3.13	0.00	0.00	0.00	-1.20	7.07	12.53
265.	439.07	435.60	40.06	4193.10	2.45	0.69	6.85	-0.89	0.00	0.00	0.00	0.18	6.79	9.59
270.	459.05	439.30	50.23	4114.67	2.49	0.69	6.87	-1.12	0.00	0.00	0.00	2.69	6.95	14.21
275.	467.44	454.42	59.47	4008.23	2.66	0.69	6.94	-1.18	0.00	0.00	0.00	2.91	7.49	12.18
280.	452.56	452.79	69.65	3901.79	2.72	0.70	7.04	-1.35	0.00	0.00	0.00	3.02	7.57	13.63
285.	451.63	458.09	10.07	3820.56	2.63	0.72	7.05	6.22	0.00	0.00	0.00	2.09	7.60	11.57
290.	464.65	460.93	19.30	3728.13	2.65	0.72	7.09	4.65	0.00	0.00	0.00	2.90	8.03	9.64
295.	501.19	473.25	29.49	3621.69	2.64	0.74	7.10	2.88	0.00	0.00	0.00	2.96	8.26	10.78
300.	464.42	458.14	40.05	3518.06	2.56	0.73	7.11	-0.43	0.00	0.00	0.00	2.98	8.49	11.68
305.	462.79	454.42	50.23	3467.64	2.59	0.70	6.74	-1.06	0.00	0.00	0.00	2.81	8.57	13.59
310.	460.93	453.72	59.48	3378.81	2.54	0.70	6.91	-1.34	0.00	0.00	0.00	3.00	8.21	11.68
315.	464.65	450.93	69.65	3265.97	2.50	0.70	6.65	-1.37	0.00	0.00	0.00	2.87	8.52	12.36
320.	455.58	439.77	10.07	3195.94	2.52	0.67	6.58	6.23	0.00	0.00	0.00	2.85	8.52	12.19
325.	451.63	456.67	19.31	3120.31	2.55	0.66	6.22	4.63	0.00	0.00	0.00	2.94	8.87	13.24
330.	455.00	433.02	29.49	3033.48	2.49	0.63	6.11	3.20	0.00	0.00	0.00	2.80	9.49	9.14
335.	455.48	439.52	40.05	2974.66	2.53	0.62	6.00	-0.43	0.00	0.00	0.00	2.85	9.85	11.21
340.	456.43	435.81	50.24	2890.63	2.47	0.60	5.77	-1.14	0.00	0.00	0.00	2.74	10.04	12.63
345.	458.57	460.00	59.47	2815.00	2.39	0.59	5.64	-1.42	0.00	0.00	0.00	2.76	10.43	12.30
350.	452.38	432.79	69.66	2742.18	2.38	0.58	5.57	-1.37	0.00	0.00	0.00	2.74	10.86	11.32
355.	438.71	434.17	10.08	2666.55	2.33	0.56	5.28	6.07	0.00	0.00	0.00	2.62	11.25	12.89
360.	433.67	436.52	19.31	2604.93	2.32	0.55	5.19	4.57	0.00	0.00	0.00	2.54	11.51	12.24
365.	437.55	427.48	29.49	2532.10	2.30	0.53	4.98	2.87	0.00	0.00	0.00	2.59	11.78	9.67
370.	438.88	426.38	40.05	2470.48	2.25	0.51	4.86	0.63	0.00	0.00	0.00	2.48	12.04	9.93
375.	425.64	421.81	50.24	2420.06	2.22	0.50	4.75	-1.26	0.00	0.00	0.00	2.44	12.12	9.13
380.	403.38	410.19	59.48	2355.64	2.11	0.48	4.67	-1.33	0.00	0.00	0.00	2.35	12.41	12.36
385.	427.57	403.21	69.67	2305.22	2.04	0.46	4.38	-1.29	0.00	0.00	0.00	2.32	12.64	10.36
390.	422.05	408.09	10.07	2246.40	2.03	0.45	4.30	5.76	0.00	0.00	0.00	2.24	12.90	7.41
395.	396.76	388.40	19.31	2212.79	1.96	0.43	4.13	4.29	0.00	0.00	0.00	2.17	13.07	12.26
400.	408.14	394.45	29.49	2142.77	1.90	0.41	3.89	2.76	0.00	0.00	0.00	2.14	13.28	12.84
405.	409.81	390.38	40.06	2086.75	1.83	0.40	3.79	-0.63	0.00	0.00	0.00	2.17	13.40	8.32
410.	395.93	390.24	50.25	2013.92	1.80	0.39	3.66	-1.17	0.00	0.00	0.00	2.10	13.50	12.68
415.	400.62	385.26	59.47	1969.10	1.75	0.37	3.47	-1.29	0.00	0.00	0.00	2.10	13.80	12.78
420.	382.98	380.62	69.66	1957.90	1.67	0.36	3.31	-1.23	0.00	0.00	0.00	1.91	14.15	9.38
425.	383.33	364.46	10.07	1924.29	1.63	0.34	3.20	5.55	0.00	0.00	0.00	1.89	14.52	7.95
430.	381.12	361.98	19.31	1848.66	1.59	0.33	3.00	4.38	0.00	0.00	0.00	1.99	14.76	10.21
435.	367.12	365.52	29.49	1826.25	1.57	0.31	2.94	2.59	0.00	0.00	0.00	1.96	14.98	9.72
440.	362.21	358.67	40.06	1778.64	1.51	0.30	2.84	-0.79	0.00	0.00	0.00	1.86	15.16	12.98
445.	353.05	356.52	50.25	1747.82	1.48	0.29	2.72	-1.17	0.00	0.00	0.00	1.71	15.41	6.82
450.	361.33	348.64	59.49	1697.41	1.45	0.28	2.62	-1.15	0.00	0.00	0.00	1.74	15.69	11.49
455.	351.26	345.05	69.67	1658.19	1.36	0.27	2.53	-1.25	0.00	0.00	0.00	1.61	15.87	11.76
460.	347.55	344.71	10.07	1638.58	1.31	0.26	2.48	5.23	0.00	0.00	0.00	1.44	16.04	10.60
465.	344.22	342.80	19.31	1602.17	1.28	0.25	2.31	4.01	0.00	0.00	0.00	1.34	16.15	9.55
470.	346.83	347.66	29.49	1585.37	1.25	0.24	2.24	2.34	0.00	0.00	0.00	1.29	16.35	9.47

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
475.	328.98	327.69	40.06	1557.36	1.19	0.23	2.14	-0.70	0.00	0.00	0.00	1.24	16.65	9.80
480.	340.12	338.58	50.24	1498.54	1.14	0.22	2.03	-1.02	0.00	0.00	0.00	1.21	16.86	8.53
485.	328.48	311.59	59.48	1478.93	1.12	0.21	1.97	-1.21	0.00	0.00	0.00	1.17	17.04	9.12
490.	314.33	316.69	69.66	1462.12	1.13	0.21	1.94	-1.23	0.00	0.00	0.00	1.15	17.19	8.90
495.	317.24	316.78	10.08	1420.11	1.07	0.20	1.81	5.01	0.00	0.00	0.00	1.10	17.38	7.28
500.	315.10	312.41	19.31	1414.50	1.02	0.19	1.75	3.92	0.00	0.00	0.00	1.09	17.55	10.98
505.	302.95	311.88	29.49	1380.80	1.00	0.19	1.70	2.02	0.00	0.00	0.00	1.03	17.68	10.52
510.	302.80	306.73	40.05	1352.80	0.96	0.18	1.62	-0.71	0.00	0.00	0.00	1.01	17.89	8.93
515.	294.17	293.80	50.24	1319.27	0.95	0.18	1.59	-1.07	0.00	0.00	0.00	1.01	18.09	5.87
520.	295.29	284.93	59.48	1310.87	0.91	0.16	1.57	-1.15	0.00	0.00	0.00	0.97	18.13	8.26
525.	290.63	287.15	69.66	1305.27	0.89	0.16	1.50	-1.19	0.00	0.00	0.00	0.94	18.15	9.37
530.	283.02	284.54	10.07	1296.86	0.82	0.16	1.45	4.80	0.00	0.00	0.00	0.91	18.28	6.99
535.	285.58	278.12	19.32	1260.45	0.84	0.16	1.41	3.63	0.00	0.00	0.00	0.89	18.41	8.59
540.	258.41	280.37	29.50	1224.04	0.78	0.15	1.31	1.69	0.00	0.00	0.00	0.90	18.60	5.81
545.	268.93	272.00	40.06	1238.04	0.79	0.14	1.26	-0.72	0.00	0.00	0.00	0.79	18.77	8.08
550.	247.63	260.05	50.24	1215.63	0.74	0.14	1.19	-1.11	0.00	0.00	0.00	0.76	18.89	9.37
555.	252.00	263.66	59.48	1221.24	0.70	0.13	1.17	-1.19	0.00	0.00	0.00	0.76	18.26	13.10
560.	252.46	255.80	69.67	1179.22	0.65	0.13	1.10	-1.15	0.00	0.00	0.00	0.77	18.38	10.20
565.	244.68	250.17	10.07	1173.62	0.65	0.12	1.10	4.35	0.00	0.00	0.00	0.74	18.37	7.80
570.	246.83	248.80	19.31	1179.22	0.63	0.12	1.08	3.34	0.00	0.00	0.00	0.72	18.44	7.81
575.	232.92	234.61	29.49	1162.41	0.60	0.12	1.03	1.52	0.00	0.00	0.00	0.68	18.50	7.14
580.	235.10	236.83	40.06	1120.40	0.65	0.12	0.99	-0.68	0.00	0.00	0.00	0.71	18.56	4.83
585.	232.50	229.83	50.24	1131.60	0.59	0.11	0.98	-1.08	0.00	0.00	0.00	0.61	18.68	9.08
590.	230.29	232.70	59.48	1123.20	0.56	0.11	0.94	-1.18	0.00	0.00	0.00	0.60	18.74	8.54
595.	204.29	223.97	69.67	1106.40	0.53	0.10	0.89	-1.10	0.00	0.00	0.00	0.59	10.07	6.02
600.	217.30	222.07	10.07	1083.99	0.52	0.10	0.89	4.15	0.00	0.00	0.00	0.59	18.95	9.43
605.	218.45	223.85	19.31	1109.20	0.47	0.10	0.86	3.00	0.00	0.00	0.00	0.58	19.09	6.92
610.	202.34	214.40	29.50	1081.19	0.47	0.10	0.81	1.13	0.00	0.00	0.00	0.57	19.14	9.53
615.	199.54	208.27	40.06	1058.78	0.46	0.10	0.82	-0.00	0.00	0.00	0.00	0.53	19.20	6.40
620.	216.05	204.17	50.24	1072.78	0.44	0.10	0.79	-1.03	0.00	0.00	0.00	0.53	19.26	6.05
625.	204.68	201.58	59.48	1069.98	0.47	0.09	0.76	-1.09	0.00	0.00	0.00	0.50	19.37	6.47
630.	197.82	202.97	69.67	1053.18	0.49	0.09	0.75	-1.09	0.00	0.00	0.00	0.49	19.35	8.44
635.	190.75	201.67	10.07	1061.58	0.39	0.09	0.74	3.08	0.00	0.00	0.00	0.49	19.36	7.69
640.	200.97	199.62	19.32	1050.38	0.39	0.09	0.68	2.83	0.00	0.00	0.00	0.49	19.41	7.92
645.	195.00	194.32	29.50	1053.18	0.38	0.09	0.65	0.81	0.00	0.00	0.00	0.47	19.50	7.51
650.	181.67	183.70	40.06	1050.38	0.36	0.09	0.66	-0.81	0.00	0.00	0.00	0.46	19.55	6.19
655.	176.17	187.50	50.25	1025.17	0.35	0.09	0.64	-0.99	0.00	0.00	0.00	0.46	19.59	6.33
660.	182.20	184.85	59.48	1019.56	0.30	0.09	0.61	-1.08	0.00	0.00	0.00	0.45	19.61	6.20
665.	188.63	187.38	69.67	1016.76	0.32	0.08	0.64	-1.17	0.00	0.00	0.00	0.41	19.50	4.92
670.	182.67	174.27	10.08	999.96	0.31	0.08	0.64	3.64	0.00	0.00	0.00	0.39	19.60	6.82
675.	159.40	175.35	19.31	1002.76	0.32	0.08	0.60	2.62	0.00	0.00	0.00	0.41	19.64	4.69
680.	160.45	169.35	29.50	994.36	0.29	0.08	0.57	1.16	0.00	0.00	0.00	0.40	19.66	3.60
685.	169.20	171.22	40.06	1005.56	0.26	0.07	0.58	-0.62	0.00	0.00	0.00	0.39	19.73	2.98
690.	163.57	168.55	50.25	1008.36	0.27	0.07	0.54	-0.94	0.00	0.00	0.00	0.39	19.75	4.74
695.	166.75	166.57	59.48	1011.16	0.29	0.07	0.52	-1.14	0.00	0.00	0.00	0.41	19.79	6.29
700.	161.75	165.55	69.68	1005.56	0.26	0.06	0.55	-0.97	0.00	0.00	0.00	0.36	19.81	4.99
705.	161.10	169.25	10.08	999.96	0.25	0.06	0.55	3.56	0.00	0.00	0.00	0.36	19.80	7.89
710.	158.15	163.67	19.32	1005.56	0.28	0.06	0.53	2.43	0.00	0.00	0.00	0.36	19.78	3.77
715.	158.77	166.52	29.50	1002.76	0.24	0.06	0.53	0.80	0.00	0.00	0.00	0.36	19.81	5.78
720.	152.50	155.67	40.07	1002.76	0.25	0.05	0.51	-0.58	0.00	0.00	0.00	0.35	19.85	5.65

TIME	28	29	30	31	32	33	34	35	36	37	38	39	40	41
725.	152.47	158.02	50.24	985.95	0.22	0.06	0.52	-0.98	0.00	0.00	0.00	0.35	19.85	6.45
730.	145.90	158.20	59.48	969.15	0.23	0.06	0.51	-1.04	0.00	0.00	0.00	0.34	19.83	1.90
735.	156.32	152.27	69.68	1005.56	0.21	0.06	0.49	-0.99	0.00	0.00	0.00	0.34	19.83	5.42
740.	148.00	152.67	10.09	991.55	0.22	0.06	0.50	3.23	0.00	0.00	0.00	0.33	19.88	5.22
745.	147.82	148.52	19.31	993.15	0.18	0.06	0.49	2.18	0.00	0.00	0.00	0.33	19.92	7.47
750.	140.32	145.00	29.50	1002.76	0.19	0.06	0.47	0.81	0.00	0.00	0.00	0.32	19.92	3.63
755.	140.45	145.77	40.06	980.35	0.20	0.05	0.48	-0.56	0.00	0.00	0.00	0.32	19.92	4.22
760.	139.52	139.85	50.24	1002.76	0.22	0.05	0.46	-0.81	0.00	0.00	0.00	0.31	19.95	3.61
765.	126.76	138.50	59.48	994.36	0.27	0.05	0.48	-1.00	0.00	0.00	0.00	0.30	19.97	4.60
770.	136.92	143.77	69.67	985.95	0.21	0.05	0.44	-0.90	0.00	0.00	0.00	0.30	19.94	6.54
775.	139.22	144.40	10.08	980.35	0.19	0.05	0.45	3.06	0.00	0.00	0.00	0.30	19.97	5.33
780.	138.10	141.47	19.32	994.36	0.17	0.05	0.45	2.07	0.00	0.00	0.00	0.30	19.99	4.41
785.	128.85	134.65	29.50	980.35	0.15	0.05	0.45	0.91	0.00	0.00	0.00	0.30	19.99	5.72
790.	133.35	135.82	40.07	985.95	0.17	0.05	0.44	-0.58	0.00	0.00	0.00	0.29	20.01	2.94
795.	134.25	135.92	50.25	980.35	0.17	0.05	0.43	-0.69	0.00	0.00	0.00	0.28	20.03	3.49
800.	135.45	139.13	59.48	980.35	0.17	0.05	0.42	-0.87	0.00	0.00	0.00	0.28	20.05	2.17
805.	124.95	137.25	69.66	1002.76	0.17	0.05	0.42	-0.91	0.00	0.00	0.00	0.28	20.10	3.04
810.	135.05	135.25	10.07	980.35	0.16	0.05	0.42	2.89	0.00	0.00	0.00	0.27	20.13	3.33
815.	126.56	128.49	19.30	983.15	0.16	0.05	0.41	1.93	0.00	0.00	0.00	0.27	20.15	3.43
820.	121.95	124.44	29.49	988.75	0.17	0.05	0.40	0.74	0.00	0.00	0.00	0.27	20.17	2.55

TIME	42	43	44	45	46	47	48
0.	1.13	-1.28	-0.04	-0.39	1.09	0.00	0.00
0.	0.21	-0.82	1.57	-1.32	1.03	0.00	0.00
0.	-0.94	3.57	-2.78	0.61	-0.43	0.00	0.00
0.	0.67	-1.19	0.73	0.38	-1.23	0.00	0.00
0.	-1.76	1.36	-1.07	0.76	0.64	0.00	0.00
0.	0.68	-1.65	1.59	-0.04	-1.11	0.00	0.00
5.	-0.01	0.29	-0.96	-2.14	0.41	0.00	5.00
10.	0.76	-0.76	0.54	-0.24	-0.11	0.00	10.00
15.	0.75	1.52	-1.69	-2.01	-1.78	0.00	15.00
20.	5.09	-0.66	0.53	-2.61	3.53	0.00	20.00
25.	2.57	1.93	-3.70	-2.14	-0.91	0.01	25.00
30.	3.77	0.31	-0.03	-1.34	0.80	0.02	30.00
35.	7.13	-0.11	4.74	-0.38	1.27	0.09	35.00
40.	5.86	-0.92	-1.94	-1.25	1.67	0.24	40.00
45.	6.15	3.06	2.78	-2.50	2.34	0.91	45.00
50.	6.46	3.30	-1.59	0.77	-1.44	2.42	50.00
55.	11.55	2.06	-1.00	-1.80	-0.53	4.18	55.00
60.	8.60	1.57	1.42	-3.13	-0.46	6.41	60.00
65.	6.72	0.89	-1.31	-1.36	-0.76	8.04	65.00
70.	11.66	2.11	2.45	-2.80	1.43	8.41	70.00
75.	4.27	1.04	0.57	-1.25	-1.42	9.27	75.00
80.	11.78	4.86	-0.40	-1.46	-5.58	9.46	80.00
85.	13.97	0.62	1.88	-2.31	-1.66	9.92	85.00
90.	7.11	4.05	-1.36	-2.50	-4.69	10.43	90.00
95.	8.38	3.95	-2.44	-1.19	-6.24	10.76	95.00
100.	5.23	5.96	1.11	0.01	-1.34	10.99	100.00
105.	14.16	-0.88	0.28	-2.99	-3.32	11.13	105.00
110.	11.14	3.88	2.53	-4.22	0.24	10.92	110.00
115.	10.42	1.69	1.02	-3.93	-2.63	11.14	115.00
120.	9.05	4.71	-0.04	-2.06	-3.95	11.01	120.00
125.	9.90	5.73	-0.13	-2.46	-0.97	10.95	125.00
130.	9.82	3.42	0.62	-1.48	1.28	11.05	130.00
135.	9.76	2.05	-1.60	-1.94	-0.97	10.71	135.00
140.	6.51	5.51	-0.45	-1.11	-0.10	10.81	140.00
145.	8.21	0.79	-0.26	0.47	-0.92	10.88	145.00
150.	10.21	3.97	-2.79	1.56	-1.14	11.04	150.00
155.	8.23	6.45	-3.64	1.20	-3.18	10.76	155.00
160.	10.68	2.42	-0.01	-4.17	-2.95	10.86	160.00
165.	11.16	3.67	-1.85	-2.03	-2.10	10.85	165.00
170.	4.88	3.61	2.23	-2.82	0.42	10.82	170.00
175.	10.55	3.18	0.60	-1.60	-7.19	10.75	175.00
180.	6.56	7.69	-1.36	-3.43	-2.71	10.54	180.00
185.	8.31	3.63	-0.38	0.02	-3.20	10.51	185.00
190.	8.14	4.52	-1.50	-3.42	-1.02	10.60	190.00
195.	10.96	0.95	3.05	-2.86	-4.72	10.48	195.00
200.	11.66	2.03	1.23	0.39	-5.01	10.47	200.00
205.	12.39	5.16	-1.38	1.83	-6.54	10.45	205.00
210.	9.63	5.60	-0.16	-1.66	-3.33	10.33	210.00
215.	12.76	2.05	2.93	-3.57	-1.42	10.50	215.00
220.	10.38	2.37	1.03	-1.85	-2.02	10.33	220.00

TIME	42	43	44	45	46	47	48
225.	9.62	5.39	-0.65	-2.50	-2.45	10.09	225.00
230.	7.76	6.77	-1.68	1.89	-4.30	10.32	230.00
235.	6.79	5.25	-1.66	-2.00	-0.53	9.91	235.00
240.	8.96	5.63	-0.71	1.39	-6.74	9.67	240.00
245.	9.42	3.62	0.46	-1.44	-1.46	9.84	245.00
250.	8.98	2.98	1.98	-2.45	-2.84	10.22	250.00
255.	11.05	3.38	0.65	-2.58	-3.55	11.40	255.00
260.	8.80	5.49	-0.97	-1.06	-0.30	12.33	260.00
265.	13.76	1.13	1.47	-1.84	-3.92	12.25	265.00
270.	7.38	5.69	-0.10	-2.33	-3.71	12.01	270.00
275.	9.71	2.89	-0.14	-0.34	-1.00	11.44	275.00
280.	7.88	3.87	0.72	-0.75	-2.05	11.56	280.00
285.	11.64	3.52	0.44	0.20	-0.68	11.42	285.00
290.	15.62	1.61	1.22	-3.13	-3.26	11.03	290.00
295.	10.19	6.23	-0.69	-1.77	-3.78	11.03	295.00
300.	12.79	1.32	1.78	-2.79	-4.00	10.36	300.00
305.	9.85	6.19	0.01	-0.88	-4.30	10.92	305.00
310.	8.51	4.75	0.39	-1.13	-3.78	11.11	310.00
315.	8.46	3.57	-0.44	0.35	-2.45	10.60	315.00
320.	10.03	2.67	1.96	-1.65	-2.71	10.57	320.00
325.	9.36	5.40	-0.77	-2.24	-1.01	10.24	325.00
330.	11.64	4.75	-0.67	-0.92	-2.49	9.58	330.00
335.	9.65	4.31	-0.29	-1.82	-3.10	9.37	335.00
340.	12.48	-0.50	0.92	-0.04	-3.03	9.19	340.00
345.	8.99	5.13	-0.88	0.66	-2.87	9.60	345.00
350.	10.65	3.03	1.74	-2.16	-2.23	8.39	350.00
355.	7.99	2.23	0.31	-1.98	-2.45	7.79	355.00
360.	10.12	3.33	0.19	-1.30	-1.95	7.62	360.00
365.	14.28	0.23	-0.98	-0.58	-5.46	7.30	365.00
370.	9.96	3.63	0.45	-0.99	-5.61	7.11	370.00
375.	10.29	2.89	-0.19	-1.11	-3.27	6.95	375.00
380.	8.74	4.46	-2.19	-1.42	-5.08	6.56	380.00
385.	11.60	1.19	2.23	-3.36	-4.27	6.25	385.00
390.	12.40	2.81	-0.21	-1.58	-3.72	5.97	390.00
395.	11.78	0.95	1.94	-3.33	-2.81	5.85	395.00
400.	5.02	4.77	-0.57	0.12	-3.72	5.54	400.00
405.	9.69	1.64	-0.15	-0.54	-4.27	5.46	405.00
410.	6.88	4.54	-1.86	-2.34	-2.43	5.19	410.00
415.	9.70	2.01	1.51	-0.85	-6.07	4.95	415.00
420.	8.83	3.88	-0.47	-2.62	-2.63	4.69	420.00
425.	10.93	0.13	2.36	-1.54	-4.91	4.34	425.00
430.	10.16	-0.99	2.88	-4.27	-0.36	4.16	430.00
435.	8.32	4.34	-1.24	-1.56	-2.14	3.96	435.00
440.	7.25	3.63	-0.15	-0.85	-2.08	3.78	440.00
445.	9.32	2.46	1.01	-3.31	-1.56	3.54	445.00
450.	7.91	4.18	-3.31	-1.62	-0.68	3.28	450.00
455.	8.71	1.64	1.42	-3.55	-1.68	3.18	455.00
460.	8.01	2.98	-0.50	-2.51	-2.50	3.00	460.00
465.	7.63	3.50	-0.18	-0.22	-4.26	2.76	465.00
470.	9.57	3.14	-0.29	-0.23	-2.63	2.56	470.00

TIME	42	43	44	45	46	47	48
475.	7.33	3.55	0.27	-3.33	-1.24	2.27	475.00
480.	8.67	2.30	0.50	-1.48	-3.20	2.13	480.00
485.	8.19	3.27	-1.52	-0.64	-3.49	1.94	485.00
490.	8.92	3.44	-0.84	-2.01	-0.63	1.85	490.00
495.	9.35	1.97	-0.23	-1.31	-2.16	1.66	495.00
500.	6.96	3.39	-2.17	1.17	-2.97	1.59	500.00
505.	6.57	1.56	1.54	-2.90	-1.69	1.42	505.00
510.	6.52	4.16	0.16	-2.20	-2.01	1.25	510.00
515.	10.56	3.01	-0.93	-0.99	-5.07	1.10	515.00
520.	9.72	0.19	0.93	-1.74	-1.49	1.20	520.00
525.	7.86	2.36	-0.74	-0.72	-3.45	1.08	525.00
530.	4.32	1.65	0.51	-2.59	-1.55	0.95	530.00
535.	5.78	3.38	1.14	-3.84	-0.85	0.81	535.00
540.	9.37	1.83	0.38	-1.73	-0.73	0.69	540.00
545.	7.06	2.97	-0.62	-2.40	-0.18	0.57	545.00
550.	5.89	2.24	-0.08	-2.71	-0.30	1.14	550.00
555.	3.24	5.56	-2.02	0.07	-2.26	1.02	555.00
560.	5.92	3.42	-1.16	-0.89	-3.26	1.00	560.00
565.	6.01	2.35	-0.94	-1.28	-1.79	0.90	565.00
570.	4.27	1.29	0.63	-1.77	-3.39	0.86	570.00
575.	8.39	0.32	1.12	-2.03	-2.36	0.82	575.00
580.	7.83	3.22	-2.98	-2.10	-4.55	0.74	580.00
585.	5.38	4.73	-2.65	0.67	-3.40	0.65	585.00
590.	4.83	2.79	-1.80	0.58	-1.60	0.61	590.00
595.	5.52	2.95	-1.06	-1.38	-1.47	0.58	595.00
600.	3.29	5.48	-1.77	-1.54	0.27	0.45	600.00
605.	4.51	0.53	0.59	-1.90	-0.21	0.39	605.00
610.	4.64	2.93	-0.68	-1.23	-1.73	0.38	610.00
615.	6.23	1.34	-0.35	-0.81	-2.01	0.34	615.00
620.	4.74	1.22	-0.24	-1.30	-3.43	0.30	620.00
625.	7.25	0.88	0.01	-0.80	-1.76	0.24	625.00
630.	5.09	2.30	-0.65	-1.07	-1.71	0.30	630.00
635.	4.26	2.33	-0.73	-1.83	-0.20	0.25	635.00
640.	4.68	3.27	-1.24	-1.37	-0.07	0.22	640.00
645.	4.62	3.15	-1.37	-0.89	-1.24	0.18	645.00
650.	4.87	1.34	-0.91	-0.89	-1.36	0.17	650.00
655.	5.63	0.84	0.63	-2.62	-0.71	0.15	655.00
660.	5.43	2.22	-1.27	-1.24	-2.05	0.16	660.00
665.	6.21	0.32	-0.07	-1.49	-1.06	0.16	665.00
670.	4.14	3.40	-1.22	-0.93	-1.40	0.14	670.00
675.	6.69	1.09	0.19	-1.98	-1.56	0.13	675.00
680.	7.48	-0.01	0.86	-2.07	-0.37	0.12	680.00
685.	4.70	1.04	-1.44	-0.90	-1.02	0.10	685.00
690.	6.30	1.52	-1.96	-0.08	-1.34	0.09	690.00
695.	5.15	0.60	-0.05	-0.47	-3.03	0.00	695.00
700.	6.25	1.07	-0.40	-0.05	-0.82	0.08	700.00
705.	2.76	2.43	-0.46	-1.00	-0.60	0.08	705.00
710.	6.08	0.82	-1.15	-0.95	-3.27	0.08	710.00
715.	4.72	0.88	0.41	-0.60	-0.86	0.05	715.00
720.	4.42	2.08	-0.47	-1.40	-1.01	0.06	720.00

PRC20-P-3-1/4

TIME	42	43	44	45	46	47	48
725.	4.64	0.68	1.26	-2.15	0.53	0.06	725.00
730.	6.50	-0.09	-0.87	-0.88	-2.95	0.06	730.00
735.	4.97	0.15	-0.13	-0.82	-2.33	0.05	735.00
740.	4.38	1.89	-0.69	-0.91	-1.58	0.04	740.00
745.	1.68	4.56	-2.34	-0.49	0.70	0.04	745.00
750.	4.54	1.11	-0.70	-1.35	-0.36	0.04	750.00
755.	4.84	0.60	-0.12	-1.01	-0.76	0.03	755.00
760.	4.96	0.94	-0.58	-0.82	-1.63	0.03	760.00
765.	5.52	-0.12	0.42	-1.63	0.08	0.03	765.00
770.	3.31	1.94	-1.01	-0.88	0.35	0.03	770.00
775.	3.29	1.09	-0.13	-1.14	-0.81	0.02	775.00
780.	4.23	3.00	-1.59	-0.95	-1.85	0.02	780.00
785.	4.11	1.21	-0.65	-0.41	-0.57	0.02	785.00
790.	5.00	1.73	-1.05	-0.33	-2.84	0.02	790.00
795.	5.06	0.89	-0.10	-1.00	-0.78	0.01	795.00
800.	4.81	-0.02	-1.41	0.62	-2.63	0.01	800.00
805.	4.93	0.28	-1.61	-1.35	-3.43	0.01	805.00
810.	4.39	0.25	0.51	-1.33	-1.23	0.01	810.00
815.	4.80	0.55	-0.64	-1.07	-0.13	0.01	815.00
820.	4.78	0.50	0.26	-1.29	1.08	0.00	820.00

APPENDIX C

Average Peak Values

This section lists by sensor label (see table 3) the average peak values as defined in volume I. The units are those given in table 3. (Note: The heat flux units given here are erroneously given as W/cm and should be W/cm^2.)

PRC3-W-1-1
STEADY TIME (S) =120 - 460

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
151.515	75.732	27.536	23.178	22.599	21.691	20.864	136.522	156.439	149.734	147.700	143.818	140.854

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
133.483	106.831	55.873	47.709	40.328	34.732	39.230	31.530	32.804	28.930	58.007	81.101

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
2373.421	0.148	0.095	0.336	18.895	4.808	2.784	2.003	-0.049	-0.082	-0.477	2.366

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
0.000	0.000	0.000	0.000	0.000	0.000

PRC3-W-1-1
STEADY TIME (S) =120 - 460

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
151.515	75.732	27.536	23.178	22.599	21.691	20.864	136.522	156.439	149.734	147.700	143.818	140.854

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
133.483	106.831	55.873	47.709	40.328	34.732	39.230	31.530	32.804	28.930	58.007	81.101

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
2373.421	0.148	0.095	0.336	18.895	4.808	2.784	2.003	-0.849	-0.082	-0.477	2.366

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
0.000	0.000	0.000	0.000	0.000	0.000

PRC5-44-2-1

STEADY TIME (S) =175 - 455

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
235.634	166.761	39.450	25.870	23.882	23.133	21.320	157.733	247.558	239.702	241.453	235.818	229.125

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
219.152	197.840	148.446	88.356	63.396	50.082	47.349	39.853	42.783	36.044	100.501	124.098

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
4690.941	0.248	0.508	0.774	18.224	7.029	5.425	3.447	-0.461	-0.225	-0.513	3.797

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
0.000	0.000	0.000	0.000	0.000	0.000

FRC2-W-3-1
STEADY TIME (S) =130 - 375

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
311.091	272.674	73.526	27.467	23.231	22.821	22.556	210.523	335.458	321.607	326.630	322.237	317.260

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
313.437	283.672	235.991	183.196	104.209	79.073	82.556	58.809	61.491	42.278	118.621	192.449

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
7084.477	0.543	0.175	1.214	16.657	7.003	7.125	4.465	-0.811	-0.371	-0.141	5.097

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
0.000	0.000	0.000	0.000	0.000	0.000

PRC7-W-4-1

STEADY TIME (S) = 85 - 320

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
377.377	308.316	73.439	31.508	25.219	29.441	20.007	318.695	420.593	417.170	411.420	405.526	399.190

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
388.190	359.467	308.565	216.409	135.643	88.080	90.185	70.183	72.308	58.309	192.496	293.343

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
9375.727	1.012	0.974	2.537	15.612	10.584	7.968	5.021	-0.704	-0.192	-0.062	6.936

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
0.000	0.000	0.000	0.000	0.000	0.000

PRC1-P-1-1
STEADY TIME (S) = 70 - 290

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
191.807	135.416	54.897	25.697	22.704	22.478	22.169	122.311	217.071	210.368	208.516	205.921	200.762

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
197.400	188.259	153.483	101.852	71.900	55.755	56.950	44.051	44.212	36.094	101.627	118.640

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
2162.462	0.381	0.064	0.655	18.558	6.220	5.217	3.669	-0.761	-0.224	-0.723	2.516

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
0.000	0.000	0.000	0.000	0.000	0.000

PRC4-P-2-1
STEADY TIME (S) = 65 - 215

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
318.915	277.150	104.198	32.003	27.246	25.047	23.202	286.417	375.977	364.305	357.611	351.329	341.357

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
332.988	320.362	292.708	230.345	148.909	104.784	108.484	71.453	70.940	55.305	176.597	240.426

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
4244.707	1.037	0.203	2.059	15.084	9.644	7.640	4.916	-0.079	-1.155	0.918	5.855

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
0.000	0.000	0.000	0.000	0.000	0.000

PRC6-P-3-1
STEADY TIME (S) = 50 - 185

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
463.163	470.550	214.361	46.960	35.091	28.597	25.611	606.695	709.700	682.905	652.029	634.083	608.280

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
576.488	529.416	474.057	362.966	248.814	191.332	165.524	120.961	119.853	85.468	264.135	543.406

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
6451.738	2.389	0.891	7.776	10.679	10.783	9.707	6.197	-0.214	-0.320	-1.474	11.762

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
0.000	0.000	0.000	0.000	0.000	0.000

PRC9-W-2-1/2

STEADY TIME (S) = 95 - 385

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
275.131	231.065	60.534	25.491	27.361	22.738	22.596	145.207	294.834	286.077	282.703	284.509	273.920

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
271.062	258.493	238.062	127.692	88.102	82.347	65.372	44.510	38.085	23.322	102.041	138.008

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
4833.379	0.420	0.607	0.813	16.684	7.855	4.683	2.415	-0.455	-1.131	-0.198	3.212

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
37.979	36.849	32.855	58.333	59.146	0.000

PRC8-P-4-1

STEADY TIME (S) = 60 - 230

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
561.626	495.774	201.214	58.095	42.206	36.814	23.446	754.182	825.074	799.607	756.600	711.393	662.766

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
611.130	560.038	489.389	397.579	283.631	282.316	218.176	150.051	144.985	117.710	286.429	716.310

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
8518.922	2.861	0.921	10.433	9.566	11.667	9.337	5.731	-0.172	-0.791	-0.722	11.377

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
0.000	0.000	0.000	0.000	0.000	0.000

PRC11-W-3-1/2

STEADY TIME (S) =105 - 370

TC 1 C	TC 2 C	TC 3 C	TC 4 C	TC 5 C	TC 6 C	TC 7 C	TC 8 C	TC 9 C	TC10 C	TC11 C	TC12 C	TC13 C
344.354	313.224	119.331	26.215	26.514	22.430	22.231	231.302	350.226	357.498	354.303	359.902	349.228

TC14 C	TC15 C	TC16 C	TC17 C	TC18 C	TC19 C	TC20 C	TC21 C	TC22 C	TC23 C	TC24 C	TC25 C
347.262	331.163	299.817	248.438	137.796	120.922	94.792	61.932	51.049	50.781	132.045	199.871

MASS G	H2 W/CM	R1 W/CM	H1 W/CM	O2 O/O	DP1 N/M2	DP2 N/M2	DP3 N/M2	DP4 N/M2	DP5 N/M2	DP6 N/M2	CO2 O/O
6942.133	0.579	0.705	1.300	15.304	10.693	6.152	1.414	0.665	-1.250	-0.322	5.989

TC26 C	TC27 C	TC28 C	TC29 C	TC30 C	R2 W/CM
46.273	45.870	38.973	75.880	79.870	0.000

PRC15-W-4-1/2

STEADY TIME (S) = 70 - 310

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
399.404	381.605	201.099	35.706	24.654	23.750	23.438	314.208	425.890	420.971	424.309	418.107	417.853

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
413.678	400.294	369.268	327.464	242.022	154.030	145.030	82.451	67.470	64.843	170.677	315.514

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
9918.875	1.010	0.305	2.246	13.672	11.370	6.809	2.717	0.471	-1.677	-0.661	6.857

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
56.131	58.161	46.030	110,139	135.762	1.057

PRC10-P-2-1/2

STEADY TIME (S) = 60 - 255

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
326.895	304.924	153.210	28.924	29.933	22.916	23.187	244.845	396.631	383.259	376.517	372.192	362.350

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
357.428	340.893	317.952	291.933	228.169	176.589	119.417	73.843	58.113	26.081	189.776	253.470

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
4295,574	0.995	0.469	1.904	14.188	10.060	5.204	3.404	-0.511	-0.917	-0.364	5.309

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
56.809	55.029	45.655	139.153	136.295	0.000

PRC10-P-3-1/2
STEADY TIME (S) = 70 - 260

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
522.808	472.725	379.812	89.255	27.164	25.852	24.134	643.540	696.441	678.327	664.852	643.587	611.630

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
591.286	547.698	501.449	471.127	412.419	296.100	241.981	142.103	132.447	122.485	272.739	639.105

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
6673.961	2.391	0.451	6.645	7.812	11.885	8.131	3.310	-0.039	-1.197	-1.979	10.375

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
101.604	115.014	79.673	253.475	275.158	2.891

PRC13-W-2-1/4
STEADY TIME (S) =130 - 425

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
301.691	284.335	131.223	23.984	23.110	22.141	22.025	184.895	327.157	312.695	316.467	310.130	307.706

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
303.362	288.263	266.940	236.821	160.171	96.932	92.359	61.269	50.569	49.577	117.505	173.989

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
4892.992	0.431	0.135	0.983	14.840	9.262	5.681	2.036	0.446	-1.305	-1.197	5.355

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
44.644	44.388	38.264	73.518	79.588	0.219

PRC17-W-4-1/4

STEADY TIME (S) = 85 - 365

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
429.391	422.688	376.446	51.451	23.765	23.212	22.671	414.700	504.963	480.580	479.101	482.598	473.420

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
470.394	458.353	441.196	421.094	396.208	296.398	186.477	118.402	98.133	94.473	229.441	376.193

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
9675.176	1.453	0.311	3.118	0.011	12.328	0.096	3.359	0.331	-1.458	-2.480	12.543

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
85.779	88.062	70.891	296.075	293.632	1.619

PRC19-W-4-1/4

STEADY TIME (S) = 85 - 345

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
435.007	403.837	372.961	58.184	23.570	23.438	23.375	386.084	500.504	468.692	465.097	468.067	458.093

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
451.491	443.210	429.586	417.079	400.009	319.637	303.088	111.425	93.759	101.167	230.673	352.264

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
9703.562	1.395	1.015	1.951	9.674	12.010	9.247	3.995	0.194	-1.027	-1.678	10.885

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
86.603	89.318	68.067	314.026	312.848	1.371

PRC12-P-1-1/4

STEADY TIME (S) = 85 - 350

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
211.816	202.974	132.262	24.345	22.793	22.334	22.150	150.567	242.113	236.022	235.461	236.095	230.301

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
230.435	225.263	214.595	201.846	165.211	113.368	87.075	64.965	50.742	47.404	107.620	128.462

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
2138.463	0.393	0.033	0.712	16.418	7.063	5.131	2.181	-0.306	-1.252	-1.341	2.671

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
44.167	44.953	37.735	89.931	94.646	0.000

PRC14-P-2-1/4

STEADY TIME (S) = 55 - 265

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
339.609	314.189	236.482	44.381	24.057	22.438	22.500	324.406	417.827	399.479	391.122	383.102	372.495

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
368.785	356.105	343.659	331.625	316.437	251.894	187.330	126.194	99.112	79.307	190.762	292.339

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
4338.371	0.981	0.240	2.111	11.765	10.130	6.907	3.582	0.148	-1.447	-2.260	7.046

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
75.642	76.959	61.093	243.258	253.663	0.123

PRC16-P-3-1/4

STEADY TIME (S) = 85 - 300

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
455.238	449.079	380.565	172.368	25.696	24.716	23.964	575.463	648.111	630.228	616.636	595.332	568.663

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
546.009	510.963	476.098	446.658	418.153	362.959	287.653	200.635	165.995	141.895	275.654	563.775

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
6812.359	1.765	0.234	5.697	9.504	7.020	9.351	4.318	-0.944	-0.486	-5.260	9.689

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
119.700	141.552	96.089	367.679	364.685	2.192

PRC20-P-3-1/4

STEADY TIME (S) = 60 - 260

TC 1	TC 2	TC 3	TC 4	TC 5	TC 6	TC 7	TC 8	TC 9	TC10	TC11	TC12	TC13
C	C	C	C	C	C	C	C	C	C	C	C	C
468.248	442.084	389.550	146.530	24.294	24.012	23.826	600.226	663.085	640.876	623.434	602.354	567.786

TC14	TC15	TC16	TC17	TC18	TC19	TC20	TC21	TC22	TC23	TC24	TC25
C	C	C	C	C	C	C	C	C	C	C	C
554.743	520.487	483.711	451.657	417.158	371.910	805.379	187.632	147.218	131.276	271.273	554.200

MASS	H2	R1	H1	O2	DP1	DP2	DP3	DP4	DP5	DP6	CO2
G	W/CM	W/CM	W/CM	O/O	N/M2	N/M2	N/M2	N/M2	N/M2	N/M2	O/O
6441.313	1.789	0.619	5.939	8.432	11.573	9.380	3.604	-0.017	-1.631	-2.458	10.377

TC26	TC27	TC28	TC29	TC30	R2
C	C	C	C	C	W/CM
124.061	118.058	64.502	373.785	366.737	-0.655

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10. SUPPLEMENTARY NOTES

☐ Document describes a computer program; SF-185, FIPS Software Summary, is attached.

11. ABSTRACT (A 200-word or less factual summary of most significant information. If document includes a significant bibliography or literature survey, mention it here)

(Abstract and key words are given in Volume I)

This is a summary and compilation of the room fire data referenced in Volume I of this report.

12. KEY WORDS (Six to twelve entries; alphabetical order; capitalize only proper names; and separate key words by semicolons)

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