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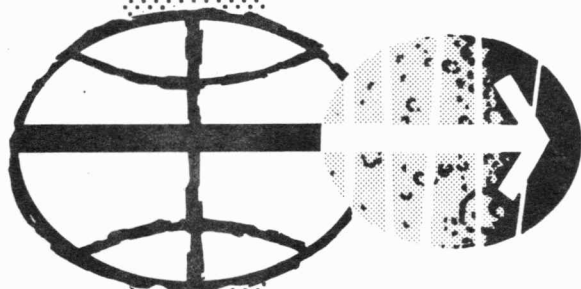
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

BASIC

SKYLAB CSM RENDEZVOUS CHART BOOK

PREPARED BY

FLIGHT PROCEDURES BRANCH
CREW PROCEDURES DIVISION



MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

MAY 12, 1972

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SKYLAB

CSM RENDEZVOUS CHART BOOK

MAY 12, 1972

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CSM RENDEZVOUS CHART BOOK

LIST OF EFFECTIVE PAGES

BASIC 5/12/72

PAGE	DATE	PAGE	DATE
i	5/12/72	31	5/12/72
ii	5/12/72	32	5/12/72
iii	5/12/72	33	5/12/72
1	5/12/72	34	5/12/72
2	5/12/72	35	5/12/72
3	5/12/72	36	5/12/72
4	5/12/72	37	5/12/72
5	5/12/72	38	5/12/72
6	5/12/72	39	5/12/72
7	5/12/72	40	5/12/72
8	5/12/72	41	5/12/72
9	5/12/72	42	5/12/72
10	5/12/72	43	5/12/72
11	5/12/72	44	5/12/72
12	5/12/72	45	5/12/72
13	5/12/72	46	5/12/72
14	5/12/72	47	5/12/72
15	5/12/72	48	5/12/72
16	5/12/72	49	5/12/72
17	5/12/72	50	5/12/72
18	5/12/72	51	5/12/72
19	5/12/72	52	5/12/72
20	5/12/72	53	5/12/72
21	5/12/72	54	5/12/72
22	5/12/72	55	5/12/72
23	5/12/72	56	5/12/72
24	5/12/72	57	5/12/72
25	5/12/72	58	5/12/72
26	5/12/72	59	5/12/72
27	5/12/72	60	5/12/72
28	5/12/72	61	5/12/72
29	5/12/72	62	5/12/72
30	5/12/72	63	5/12/72

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CONTENTS

	PAGE
1. NCC CHART	1
2. NSR CHART	45
3. TPI CHART	53
4. TPI TIG 1 GRAPH	58
5. TPI TIG 2 GRAPH	59
6. MCC 1 CHART	60
7. MCC 2 CHART	61
8. POLAR PLOT	63

NCC - RANGE ONLY CHART

ASSUMED TARGETING PARAMETERS

- 1) Elevation Angle at TPI = 27.0°
- 2) Delta H at NSR = 10.0 NM
- 3) Time Between NSR and TPI (ΔT_T) $30 \text{ min} \leq \Delta T_T \leq 80 \text{ min}$
- 4) Time Between NCC and NSR = 37 min

DEFINITIONS

- 1) TIG TPI - Targeted time of TPI
- 2) TIG NSR - Time of NSR
- 3) TIG NCC - Time of NCC
- 4) TIG TPI₁ - Time of TPI on which TPI ranges are based
- 5) TIG TPI₂ - Actual time of TPI
- 6) R - Range
- 7) $\dot{R}$ - Range rate
- 8) θ - Angle between local horizontal and line-of-sight to target
- 9) θ_p - Ordeal FDAI pitch
- 10) TA - Trunnion Angle

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-2-

5/12/72

ΔT	XT		ZT	
30.	9.8	- .0	61.7	- .0
31.	9.4	.4	58.9	2.8
32.	8.9	.5	56.2	2.7
33.	8.5	.4	53.4	2.8
34.	8.0	.5	50.6	2.8
35.	7.6	.4	47.9	2.7
36.	7.2	.4	45.1	2.8
37.	6.7	.5	42.4	2.7
38.	6.3	.4	39.6	2.8
39.	5.8	.5	36.9	2.7
40.	5.4	.4	34.1	2.8
41.	5.0	.4	31.4	2.7
42.	4.5	.5	28.6	2.8
43.	4.1	.4	25.9	2.7
44.	3.7	.4	23.1	2.8
45.	3.2	.5	20.4	2.7
46.	2.8	.4	17.6	2.8
47.	2.4	.4	14.9	2.7
48.	1.9	.5	12.1	2.8
49.	1.5	.4	9.4	2.7
50.	1.1	.4	6.6	2.8
51.	.6	.5	3.9	2.7
52.	.2	.4	1.1	2.8
53.	-.2	.4	-1.6	2.7
54.	-.7	.5	-4.4	2.8
55.	-1.1	.4	-7.1	2.7
56.	-1.5	.4	-9.9	2.8
57.	-2.0	.5	-12.6	2.7
58.	-2.4	.4	-15.4	2.8
59.	-2.8	.4	-18.1	2.7
60.	-3.3	.5	-20.9	2.8
61.	-3.7	.4	-23.7	2.8
62.	-4.1	.4	-26.4	2.7
63.	-4.6	.5	-29.2	2.8
64.	-5.0	.4	-31.9	2.7
65.	-5.4	.4	-34.7	2.8
66.	-5.8	.4	-37.4	2.7
67.	-6.3	.5	-40.2	2.8
68.	-6.7	.4	-42.9	2.7
69.	-7.1	.4	-45.7	2.8
70.	-7.6	.5	-48.4	2.7
71.	-8.0	.4	-51.2	2.8
72.	-8.4	.4	-53.9	2.7
73.	-8.8	.4	-56.7	2.8
74.	-9.3	.5	-59.4	2.7
75.	-9.7	.4	-62.2	2.8
76.	-10.1	.4	-64.9	2.7
77.	-10.6	.5	-67.7	2.8
78.	-11.0	.4	-70.4	2.7
79.	-11.4	.4	-73.2	2.8
80.	-11.8	- .4	-75.9	- 2.7

TIG TPI _____ : _____ : _____ (N37)

TIG NSR _____ : _____ : _____ (N13)

ΔT _____ : _____ : _____

TIG NCC _____ : _____ : _____ N(11)

-36 _____ : _____ : _____

-32 _____ : _____ : _____

-28 _____ : _____ : _____

-20 _____ : _____ : _____

-16 _____ : _____ : _____

-12 _____ : _____ : _____

NOTE: TIG NSR = TIG NCC + 37.00

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-4-

5/12/72

			200.0 - 215.0					
R36	X36	Z36	R36	X36	Z36	R36	X36	Z36
200.0	-52.1+.0	776.4 -.0	205.0	-31.6+.4	472.6 -6.1	210.0	-11.2+.4	167.3 -6.2
200.1	-51.7 .4	770.3 6.1	205.1	-31.2 .4	466.5 6.1	210.1	-10.8 .4	161.2 6.1
200.2	-51.3 .4	764.3 6.0	205.2	-30.8 .4	460.5 6.0	210.2	-10.4 .4	155.1 6.1
200.3	-50.9 .4	758.2 6.1	205.3	-30.4 .4	454.4 6.1	210.3	-9.9 .5	149.0 6.1
200.4	-50.4 .5	752.2 6.0	205.4	-30.0 .4	448.3 6.1	210.4	-9.5 .4	142.8 6.2
200.5	-50.0 .4	746.1 6.1	205.5	-29.6 .4	442.2 6.1	210.5	-9.1 .4	136.7 6.1
200.6	-49.6 .4	740.0 6.1	205.6	-29.2 .4	436.1 6.1	210.6	-8.7 .4	130.6 6.1
200.7	-49.2 .4	734.0 6.0	205.7	-28.8 .4	430.0 6.1	210.7	-8.3 .4	124.5 6.1
200.8	-48.8 .4	727.9 6.1	205.8	-28.4 .4	423.9 6.1	210.8	-7.9 .4	118.3 6.2
200.9	-48.4 .4	721.8 6.1	205.9	-28.0 .4	417.8 6.1	210.9	-7.5 .4	112.2 6.1
201.0	-48.0 .4	715.8 6.0	206.0	-27.5 .5	411.7 6.1	211.0	-7.1 .4	106.1 6.1
201.1	-47.6 .4	709.7 6.1	206.1	-27.1 .4	405.6 6.1	211.1	-6.7 .4	100.0 6.1
201.2	-47.2 .4	703.6 6.1	206.2	-26.7 .4	399.5 6.1	211.2	-6.3 .4	93.8 6.2
201.3	-46.8 .4	697.6 6.0	206.3	-26.3 .4	393.4 6.1	211.3	-5.8 .5	87.7 6.1
201.4	-46.4 .4	691.5 6.1	206.4	-25.9 .4	387.3 6.1	211.4	-5.4 .4	81.6 6.1
201.5	-45.9 .5	685.4 6.1	206.5	-25.5 .4	381.2 6.1	211.5	-5.0 .4	75.4 6.2
201.6	-45.5 .4	679.4 6.0	206.6	-25.1 .4	375.1 6.1	211.6	-4.6 .4	69.3 6.1
201.7	-45.1 .4	673.3 6.1	206.7	-24.7 .4	369.0 6.1	211.7	-4.2 .4	63.2 6.1
201.8	-44.7 .4	667.2 6.1	206.8	-24.3 .4	362.9 6.1	211.8	-3.8 .4	57.0 6.2
201.9	-44.3 .4	661.2 6.0	206.9	-23.9 .4	356.8 6.1	211.9	-3.4 .4	50.9 6.1
202.0	-43.9 .4	655.1 6.1	207.0	-23.5 .4	350.7 6.1	212.0	-3.0 .4	44.8 6.1
202.1	-43.5 .4	649.0 6.1	207.1	-23.0 .5	344.6 6.1	212.1	-2.6 .4	38.7 6.1
202.2	-43.1 .4	642.9 6.1	207.2	-22.6 .4	338.5 6.1	212.2	-2.2 .4	32.5 6.2
202.3	-42.7 .4	636.9 6.0	207.3	-22.2 .4	332.4 6.1	212.3	-1.8 .4	26.4 6.1
202.4	-42.3 .4	630.8 6.1	207.4	-21.8 .4	326.3 6.1	212.4	-1.3 .5	20.2 6.2
202.5	-41.9 .4	624.7 6.1	207.5	-21.4 .4	320.2 6.1	212.5	-.9 .4	14.1 6.1
202.6	-41.5 .4	618.6 6.1	207.6	-21.0 .4	314.1 6.1	212.6	-.5 .4	8.0 6.1
202.7	-41.0 .5	612.6 6.0	207.7	-20.6 .4	308.0 6.1	212.7	-.1 .4	1.8 6.2
202.8	-40.6 .4	606.5 6.1	207.8	-20.2 .4	301.9 6.1	212.8	.3 .4	-4.3 6.1
202.9	-40.2 .4	600.4 6.1	207.9	-19.8 .4	295.7 6.2	212.9	.7 .4	-10.4 6.1
203.0	-39.8 .4	594.3 6.1	208.0	-19.4 .4	289.6 6.1	213.0	1.1 .4	-16.6 6.2
203.1	-39.4 .4	588.3 6.0	208.1	-18.9 .5	283.5 6.1	213.1	1.5 .4	-22.7 6.1
203.2	-39.0 .4	582.2 6.1	208.2	-18.5 .4	277.4 6.1	213.2	1.9 .4	-28.9 6.2
203.3	-38.6 .4	576.1 6.1	208.3	-18.1 .4	271.3 6.1	213.3	2.3 .4	-35.0 6.1
203.4	-38.2 .4	570.0 6.1	208.4	-17.7 .4	265.2 6.1	213.4	2.7 .4	-41.1 6.1
203.5	-37.8 .4	563.9 6.1	208.5	-17.3 .4	259.1 6.1	213.5	3.2 .5	-47.3 6.2
203.6	-37.4 .4	557.8 6.1	208.6	-16.9 .4	253.0 6.1	213.6	3.6 .4	-53.4 6.1
203.7	-37.0 .4	551.8 6.0	208.7	-16.5 .4	246.9 6.1	213.7	4.0 .4	-59.6 6.2
203.8	-36.5 .5	545.7 6.1	208.8	-16.1 .4	240.7 6.2	213.8	4.4 .4	-65.7 6.1
203.9	-36.1 .4	539.6 6.1	208.9	-15.7 .4	234.6 6.1	213.9	4.8 .4	-71.9 6.2
204.0	-35.7 .4	533.5 6.1	209.0	-15.3 .4	228.5 6.1	214.0	5.2 .4	-78.0 6.1
204.1	-35.3 .4	527.4 6.1	209.1	-14.9 .4	222.4 6.1	214.1	5.6 .4	-84.1 6.1
204.2	-34.9 .4	521.3 6.1	209.2	-14.4 .5	216.3 6.1	214.2	6.0 .4	-90.3 6.2
204.3	-34.5 .4	515.3 6.0	209.3	-14.0 .4	210.2 6.1	214.3	6.4 .4	-96.4 6.1
204.4	-34.1 .4	509.2 6.1	209.4	-13.6 .4	204.0 6.2	214.4	6.8 .4	-102.6 6.2
204.5	-33.7 .4	503.1 6.1	209.5	-13.2 .4	197.9 6.1	214.5	7.3 .5	-108.7 6.1
204.6	-33.3 .4	497.0 6.1	209.6	-12.8 .4	191.8 6.1	214.6	7.7 .4	-114.9 6.2
204.7	-32.9 .4	490.9 6.1	209.7	-12.4 .4	185.7 6.1	214.7	8.1 .4	-121.0 6.1
204.8	-32.5 .4	484.8 6.1	209.8	-12.0 .4	179.6 6.1	214.8	8.5 .4	-127.2 6.2
204.9	-32.0 .5	478.7 6.1	209.9	-11.6 .4	173.5 6.1	214.9	8.9 .4	-133.3 6.1
205.0	-31.6+.4	472.6 -6.1	210.0	-11.2+.4	167.3 -6.2	215.0	9.3+.4	-139.5 -6.2

			215.0 - 230.0					
R36	X36	Z36	R36	X36	Z36	R36	X36	Z36
215.0	9.3+.0	-139.5 - .0	220.0	29.8+.4	-447.8 - 6.2	225.0	50.3+.4	-757.5 - 6.2
215.1	9.7 .4	-145.6 6.1	220.1	30.2 .4	-454.0 6.2	225.1	50.7 .4	-763.8 6.3
215.2	10.1 .4	-151.8 6.2	220.2	30.6 .4	-460.1 6.1	225.2	51.1 .4	-770.0 6.2
215.3	10.5 .4	-157.9 6.1	220.3	31.0 .4	-466.3 6.2	225.3	51.5 .4	-776.2 6.2
215.4	10.9 .4	-164.1 6.2	220.4	31.4 .4	-472.5 6.2	225.4	51.9 .4	-782.4 6.2
215.5	11.4 .5	-170.2 6.1	220.5	31.8 .4	-478.7 6.2	225.5	52.3 .4	-788.6 6.2
215.6	11.8 .4	-176.4 6.2	220.6	32.3 .5	-484.9 6.2	225.6	52.8 .5	-794.8 6.2
215.7	12.2 .4	-182.6 6.2	220.7	32.7 .4	-491.1 6.2	225.7	53.2 .4	-801.0 6.2
215.8	12.6 .4	-188.7 6.1	220.8	33.1 .4	-497.2 6.1	225.8	53.6 .4	-807.2 6.2
215.9	13.0 .4	-194.9 6.2	220.9	33.5 .4	-503.4 6.2	225.9	54.0 .4	-813.5 6.3
216.0	13.4 .4	-201.0 6.1	221.0	33.9 .4	-509.6 6.2	226.0	54.4 .4	-819.7 6.2
216.1	13.6 .4	-207.2 6.2	221.1	34.3 .4	-515.8 6.2	226.1	54.8 .4	-825.9 6.2
216.2	14.2 .4	-213.3 6.1	221.2	34.7 .4	-522.0 6.2	226.2	55.2 .4	-832.1 6.2
216.3	14.6 .4	-219.5 6.2	221.3	35.1 .4	-528.2 6.2	226.3	55.6 .4	-838.3 6.2
216.4	15.0 .4	-225.7 6.2	221.4	35.5 .4	-534.4 6.2	226.4	56.0 .4	-844.5 6.2
216.5	15.4 .4	-231.8 6.1	221.5	35.9 .4	-540.6 6.2	226.5	56.5 .5	-850.8 6.3
216.6	15.9 .5	-238.0 6.2	221.6	36.4 .5	-546.8 6.2	226.6	56.9 .4	-857.0 6.2
216.7	16.3 .4	-244.1 6.1	221.7	36.8 .4	-552.9 6.1	226.7	57.3 .4	-863.2 6.2
216.8	16.7 .4	-250.3 6.2	221.8	37.2 .4	-559.1 6.2	226.8	57.7 .4	-869.4 6.2
216.9	17.1 .4	-256.5 6.2	221.9	37.6 .4	-565.3 6.2	226.9	58.1 .4	-875.6 6.2
217.0	17.5 .4	-262.6 6.1	222.0	38.0 .4	-571.5 6.2	227.0	58.5 .4	-881.9 6.3
217.1	17.9 .4	-268.8 6.2	222.1	38.4 .4	-577.7 6.2	227.1	58.9 .4	-888.1 6.2
217.2	18.3 .4	-275.0 6.2	222.2	38.8 .4	-583.9 6.2	227.2	59.3 .4	-894.3 6.2
217.3	18.7 .4	-281.1 6.1	222.3	39.2 .4	-590.1 6.2	227.3	59.7 .4	-900.5 6.2
217.4	19.1 .4	-287.3 6.2	222.4	39.6 .4	-596.3 6.2	227.4	60.1 .4	-906.7 6.2
217.5	19.5 .4	-293.5 6.2	222.5	40.0 .4	-602.5 6.2	227.5	60.6 .5	-913.0 6.3
217.6	20.0 .5	-299.6 6.1	222.6	40.5 .5	-608.7 6.2	227.6	61.0 .4	-919.2 6.2
217.7	20.4 .4	-305.8 6.2	222.7	40.9 .4	-614.9 6.2	227.7	61.4 .4	-925.4 6.2
217.8	20.8 .4	-312.0 6.2	222.8	41.3 .4	-621.1 6.2	227.8	61.8 .4	-931.6 6.2
217.9	21.2 .4	-318.1 6.1	222.9	41.7 .4	-627.3 6.2	227.9	62.2 .4	-937.9 6.3
218.0	21.6 .4	-324.3 6.2	223.0	42.1 .4	-633.5 6.2	228.0	62.6 .4	-944.1 6.2
218.1	22.0 .4	-330.5 6.2	223.1	42.5 .4	-639.7 6.2	228.1	63.0 .4	-950.3 6.2
218.2	22.4 .4	-336.6 6.1	223.2	42.9 .4	-645.9 6.2	228.2	63.4 .4	-956.5 6.2
218.3	22.8 .4	-342.8 6.2	223.3	43.3 .4	-652.1 6.2	228.3	63.8 .4	-962.8 6.3
218.4	23.2 .4	-349.0 6.2	223.4	43.7 .4	-658.3 6.2	228.4	64.2 .4	-969.0 6.2
218.5	23.6 .4	-355.1 6.1	223.5	44.1 .4	-664.5 6.2	228.5	64.7 .5	-975.2 6.2
218.6	24.1 .5	-361.3 6.2	223.6	44.6 .5	-670.7 6.2	228.6	65.1 .4	-981.5 6.3
218.7	24.5 .4	-367.5 6.2	223.7	45.0 .4	-676.9 6.2	228.7	65.5 .4	-987.7 6.2
218.8	24.9 .4	-373.7 6.2	223.8	45.4 .4	-683.1 6.2	228.8	65.9 .4	-993.9 6.2
218.9	25.3 .4	-379.8 6.1	223.9	45.8 .4	-689.3 6.2	228.9	66.3 .4	-1000.2 6.3
219.0	25.7 .4	-386.0 6.2	224.0	46.2 .4	-695.5 6.2	229.0	66.7 .4	-1006.4 6.2
219.1	26.1 .4	-392.2 6.2	224.1	46.6 .4	-701.7 6.2	229.1	67.1 .4	-1012.6 6.2
219.2	26.5 .4	-398.4 6.2	224.2	47.0 .4	-707.9 6.2	229.2	67.5 .4	-1018.9 6.3
219.3	26.9 .4	-404.5 6.1	224.3	47.4 .4	-714.1 6.2	229.3	67.9 .4	-1025.1 6.2
219.4	27.3 .4	-410.7 6.2	224.4	47.8 .4	-720.3 6.2	229.4	68.4 .5	-1031.3 6.2
219.5	27.7 .4	-416.9 6.2	224.5	48.2 .4	-726.5 6.2	229.5	68.8 .4	-1037.6 6.3
219.6	28.2 .5	-423.1 6.2	224.6	48.7 .5	-732.7 6.2	229.6	69.2 .4	-1043.8 6.2
219.7	28.6 .4	-429.2 6.1	224.7	49.1 .4	-738.9 6.2	229.7	69.6 .4	-1050.0 6.2
219.8	29.0 .4	-435.4 6.2	224.8	49.5 .4	-745.1 6.2	229.8	70.0 .4	-1056.3 6.3
219.9	29.4 .4	-441.6 6.2	224.9	49.9 .4	-751.3 6.2	229.9	70.4 .4	-1062.5 6.2
220.0	29.8+.4	-447.8 - 6.2	225.0	50.3+.4	-757.5 - 6.2	230.0	70.8+.4	-1068.7 - 6.2

				230.0 - 245.0							
R36	X36	Z36		R36	X36	Z36		R36	X36	Z36	
230.0	70.8+.0	-1008.7	- .0	235.0	91.4+.5	-1381.4	- 6.3	240.0	111.9+.4	-1695.4	- 6.3
230.1	71.2 .4	-1075.0	6.3	235.1	91.8 .4	-1387.6	6.2	240.1	112.3 .4	-1701.6	6.2
230.2	71.6 .4	-1081.2	6.2	235.2	92.2 .4	-1393.9	6.3	240.2	112.7 .4	-1707.9	6.3
230.3	72.0 .4	-1087.5	6.3	235.3	92.6 .4	-1400.2	6.3	240.3	113.1 .4	-1714.2	6.3
230.4	72.5 .5	-1093.7	6.2	235.4	93.0 .4	-1406.4	6.2	240.4	113.5 .4	-1720.5	6.3
230.5	72.9 .4	-1099.9	6.2	235.5	93.4 .4	-1412.7	6.3	240.5	114.0 .5	-1726.8	6.3
230.6	73.3 .4	-1106.2	6.3	235.6	93.8 .4	-1419.0	6.3	240.6	114.4 .4	-1733.1	6.3
230.7	73.7 .4	-1112.4	6.2	235.7	94.2 .4	-1425.2	6.2	240.7	114.8 .4	-1739.4	6.3
230.8	74.1 .4	-1118.7	6.3	235.8	94.6 .4	-1431.5	6.3	240.8	115.2 .4	-1745.7	6.3
230.9	74.5 .4	-1124.9	6.2	235.9	95.1 .5	-1437.8	6.3	240.9	115.6 .4	-1752.0	6.3
231.0	74.9 .4	-1131.2	6.3	236.0	95.5 .4	-1444.0	6.2	241.0	116.0 .4	-1758.3	6.3
231.1	75.3 .4	-1137.4	6.2	236.1	95.9 .4	-1450.3	6.3	241.1	116.4 .4	-1764.6	6.3
231.2	75.7 .4	-1143.6	6.2	236.2	96.3 .4	-1456.6	6.3	241.2	116.8 .4	-1770.9	6.3
231.3	76.2 .5	-1149.9	6.3	236.3	96.7 .4	-1462.9	6.3	241.3	117.3 .5	-1777.2	6.3
231.4	76.6 .4	-1156.1	6.2	236.4	97.1 .4	-1469.1	6.2	241.4	117.7 .4	-1783.5	6.3
231.5	77.0 .4	-1162.4	6.3	236.5	97.5 .4	-1475.4	6.3	241.5	118.1 .4	-1789.8	6.3
231.6	77.4 .4	-1168.6	6.2	236.6	97.9 .4	-1481.7	6.3	241.6	118.5 .4	-1796.1	6.3
231.7	77.8 .4	-1174.9	6.3	236.7	98.3 .4	-1488.0	6.3	241.7	118.9 .4	-1802.4	6.3
231.8	78.2 .4	-1181.1	6.2	236.8	98.7 .4	-1494.2	6.2	241.8	119.3 .4	-1808.7	6.3
231.9	78.6 .4	-1187.4	6.3	236.9	99.2 .5	-1500.5	6.3	241.9	119.7 .4	-1815.0	6.3
232.0	79.0 .4	-1193.6	6.2	237.0	99.6 .4	-1506.8	6.3	242.0	120.1 .4	-1821.3	6.3
232.1	79.4 .4	-1199.9	6.3	237.1	100.0 .4	-1513.1	6.3	242.1	120.5 .4	-1827.6	6.3
232.2	79.9 .5	-1206.1	6.2	237.2	100.4 .4	-1519.3	6.2	242.2	121.0 .5	-1833.9	6.3
232.3	80.3 .4	-1212.4	6.3	237.3	100.8 .4	-1525.6	6.3	242.3	121.4 .4	-1840.3	6.4
232.4	80.7 .4	-1218.6	6.2	237.4	101.2 .4	-1531.9	6.3	242.4	121.8 .4	-1846.6	6.3
232.5	81.1 .4	-1224.9	6.3	237.5	101.6 .4	-1538.2	6.3	242.5	122.2 .4	-1852.9	6.3
232.6	81.5 .4	-1231.1	6.2	237.6	102.0 .4	-1544.5	6.3	242.6	122.6 .4	-1859.2	6.3
232.7	81.9 .4	-1237.4	6.3	237.7	102.4 .4	-1550.7	6.2	242.7	123.0 .4	-1865.5	6.3
232.8	82.3 .4	-1243.6	6.2	237.8	102.9 .5	-1557.0	6.3	242.8	123.4 .4	-1871.8	6.3
232.9	82.7 .4	-1249.9	6.3	237.9	103.3 .4	-1563.3	6.3	242.9	123.8 .4	-1878.1	6.3
233.0	83.1 .4	-1256.1	6.2	238.0	103.7 .4	-1569.6	6.3	243.0	124.2 .4	-1884.4	6.3
233.1	83.5 .4	-1262.4	6.3	238.1	104.1 .4	-1575.9	6.3	243.1	124.7 .5	-1890.7	6.3
233.2	84.0 .5	-1268.7	6.3	238.2	104.5 .4	-1582.2	6.3	243.2	125.1 .4	-1897.0	6.3
233.3	84.4 .4	-1274.9	6.2	238.3	104.9 .4	-1588.4	6.2	243.3	125.5 .4	-1903.3	6.3
233.4	84.8 .4	-1281.2	6.3	238.4	105.3 .4	-1594.7	6.3	243.4	125.9 .4	-1909.7	6.4
233.5	85.2 .4	-1287.4	6.2	238.5	105.7 .4	-1601.0	6.3	243.5	126.3 .4	-1916.0	6.3
233.6	85.6 .4	-1293.7	6.3	238.6	106.1 .4	-1607.3	6.3	243.6	126.7 .4	-1922.3	6.3
233.7	86.0 .4	-1299.9	6.2	238.7	106.6 .5	-1613.6	6.3	243.7	127.1 .4	-1928.6	6.3
233.8	86.4 .4	-1306.2	6.3	238.8	107.0 .4	-1619.9	6.3	243.8	127.5 .4	-1934.9	6.3
233.9	86.8 .4	-1312.5	6.3	238.9	107.4 .4	-1626.2	6.3	243.9	127.9 .4	-1941.2	6.3
234.0	87.2 .4	-1318.7	6.2	239.0	107.8 .4	-1632.4	6.2	244.0	128.4 .5	-1947.5	6.3
234.1	87.7 .5	-1325.0	6.3	239.1	108.2 .4	-1638.7	6.3	244.1	128.8 .4	-1953.9	6.4
234.2	88.1 .4	-1331.2	6.2	239.2	108.6 .4	-1645.0	6.3	244.2	129.2 .4	-1960.2	6.3
234.3	88.5 .4	-1337.5	6.3	239.3	109.0 .4	-1651.3	6.3	244.3	129.6 .4	-1966.5	6.3
234.4	88.9 .4	-1343.8	6.3	239.4	109.4 .4	-1657.6	6.3	244.4	130.0 .4	-1972.8	6.3
234.5	89.3 .4	-1350.0	6.2	239.5	109.8 .4	-1663.9	6.3	244.5	130.4 .4	-1979.1	6.3
234.6	89.7 .4	-1356.3	6.3	239.6	110.3 .5	-1670.2	6.3	244.6	130.8 .4	-1985.4	6.3
234.7	90.1 .4	-1362.6	6.3	239.7	110.7 .4	-1676.5	6.3	244.7	131.2 .4	-1991.8	6.4
234.8	90.5 .4	-1368.8	6.2	239.8	111.1 .4	-1682.8	6.3	244.8	131.7 .5	-1998.1	6.3
234.9	90.9 .4	-1375.1	6.3	239.9	111.5 .4	-1689.1	6.3	244.9	132.1 .4	-2004.4	6.3
235.0	91.4+.5	-1381.4	- 6.3	240.0	111.9+.4	-1695.4	- 6.3	245.0	132.5+.4	-2010.7	- 6.3

				245.0 - 260.0							
R36	X36	Z36		R36	X36	Z36		R36	X36	Z36	
245.0	132.5+.0	-2010.7	-.0	250.0	153.1+.5	-2327.4	-6.3	255.0	173.7+.4	-2645.4	-6.3
245.1	132.9 .4	-2017.0	6.3	250.1	153.5 .4	-2333.8	6.4	255.1	174.1 .4	-2651.8	6.4
245.2	133.3 .4	-2023.4	6.4	250.2	153.9 .4	-2340.1	6.3	255.2	174.5 .4	-2658.2	6.4
245.3	133.7 .4	-2029.7	6.3	250.3	154.3 .4	-2346.5	6.4	255.3	174.9 .4	-2664.6	6.4
245.4	134.1 .4	-2036.0	6.3	250.4	154.7 .4	-2352.8	6.3	255.4	175.3 .4	-2670.9	6.3
245.5	134.5 .4	-2042.3	6.3	250.5	155.1 .4	-2359.2	6.4	255.5	175.7 .4	-2677.3	6.4
245.6	134.9 .4	-2048.7	6.4	250.6	155.5 .4	-2365.5	6.3	255.6	176.1 .4	-2683.7	6.4
245.7	135.4 .5	-2055.0	6.3	250.7	155.9 .4	-2371.9	6.4	255.7	176.6 .5	-2690.1	6.4
245.8	135.8 .4	-2061.3	6.3	250.8	156.4 .5	-2378.2	6.3	255.8	177.0 .4	-2696.4	6.3
245.9	136.2 .4	-2067.6	6.3	250.9	156.8 .4	-2384.6	6.4	255.9	177.4 .4	-2702.8	6.4
246.0	136.6 .4	-2074.0	6.4	251.0	157.2 .4	-2390.9	6.3	256.0	177.8 .4	-2709.2	6.4
246.1	137.0 .4	-2080.3	6.3	251.1	157.6 .4	-2397.3	6.4	256.1	178.2 .4	-2715.6	6.4
246.2	137.4 .4	-2086.6	6.3	251.2	158.0 .4	-2403.6	6.3	256.2	178.6 .4	-2722.0	6.4
246.3	137.8 .4	-2092.9	6.3	251.3	158.4 .4	-2410.0	6.4	256.3	179.0 .4	-2728.3	6.3
246.4	138.2 .4	-2099.3	6.4	251.4	158.8 .4	-2416.3	6.3	256.4	179.4 .4	-2734.7	6.4
246.5	138.6 .4	-2105.6	6.3	251.5	159.2 .4	-2422.7	6.4	256.5	179.9 .5	-2741.1	6.4
246.6	139.1 .5	-2111.9	6.3	251.6	159.7 .5	-2429.0	6.3	256.6	180.3 .4	-2747.5	6.4
246.7	139.5 .4	-2118.2	6.3	251.7	160.1 .4	-2435.4	6.4	256.7	180.7 .4	-2753.9	6.4
246.8	139.9 .4	-2124.6	6.4	251.8	160.5 .4	-2441.8	6.4	256.8	181.1 .4	-2760.2	6.3
246.9	140.3 .4	-2130.9	6.3	251.9	160.9 .4	-2448.1	6.3	256.9	181.5 .4	-2766.6	6.4
247.0	140.7 .4	-2137.2	6.3	252.0	161.3 .4	-2454.5	6.4	257.0	181.9 .4	-2773.0	6.4
247.1	141.1 .4	-2143.6	6.4	252.1	161.7 .4	-2460.8	6.3	257.1	182.3 .4	-2779.4	6.4
247.2	141.5 .4	-2149.9	6.3	252.2	162.1 .4	-2467.2	6.4	257.2	182.7 .4	-2785.8	6.4
247.3	141.9 .4	-2156.2	6.3	252.3	162.5 .4	-2473.5	6.3	257.3	183.2 .5	-2792.2	6.4
247.4	142.4 .5	-2162.6	6.4	252.4	162.9 .4	-2479.9	6.4	257.4	183.6 .4	-2798.5	6.3
247.5	142.8 .4	-2168.9	6.3	252.5	163.4 .5	-2486.3	6.4	257.5	184.0 .4	-2804.9	6.4
247.6	143.2 .4	-2175.2	6.3	252.6	163.8 .4	-2492.6	6.3	257.6	184.4 .4	-2811.3	6.4
247.7	143.6 .4	-2181.6	6.4	252.7	164.2 .4	-2499.0	6.4	257.7	184.8 .4	-2817.7	6.4
247.8	144.0 .4	-2187.9	6.3	252.8	164.6 .4	-2505.3	6.3	257.8	185.2 .4	-2824.1	6.4
247.9	144.4 .4	-2194.2	6.3	252.9	165.0 .4	-2511.7	6.4	257.9	185.6 .4	-2830.5	6.4
248.0	144.8 .4	-2200.6	6.4	253.0	165.4 .4	-2518.1	6.4	258.0	186.0 .4	-2836.9	6.4
248.1	145.2 .4	-2206.9	6.3	253.1	165.8 .4	-2524.4	6.3	258.1	186.5 .5	-2843.3	6.4
248.2	145.6 .4	-2213.3	6.4	253.2	166.2 .4	-2530.8	6.4	258.2	186.9 .4	-2849.6	6.3
248.3	146.1 .5	-2219.6	6.3	253.3	166.7 .5	-2537.2	6.4	258.3	187.3 .4	-2856.0	6.4
248.4	146.5 .4	-2225.9	6.3	253.4	167.1 .4	-2543.5	6.3	258.4	187.7 .4	-2862.4	6.4
248.5	146.9 .4	-2232.3	6.4	253.5	167.5 .4	-2549.9	6.4	258.5	188.1 .4	-2868.8	6.4
248.6	147.3 .4	-2238.6	6.3	253.6	167.9 .4	-2556.3	6.4	258.6	188.5 .4	-2875.2	6.4
248.7	147.7 .4	-2244.9	6.3	253.7	168.3 .4	-2562.6	6.3	258.7	188.9 .4	-2881.6	6.4
248.8	148.1 .4	-2251.3	6.4	253.8	168.7 .4	-2569.0	6.4	258.8	189.3 .4	-2888.0	6.4
248.9	148.5 .4	-2257.6	6.3	253.9	169.1 .4	-2575.4	6.4	258.9	189.8 .5	-2894.4	6.4
249.0	148.9 .4	-2264.0	6.4	254.0	169.5 .4	-2581.7	6.3	259.0	190.2 .4	-2900.8	6.4
249.1	149.4 .5	-2270.3	6.3	254.1	170.0 .5	-2588.1	6.4	259.1	190.6 .4	-2907.2	6.4
249.2	149.8 .4	-2276.7	6.4	254.2	170.4 .4	-2594.5	6.4	259.2	191.0 .4	-2913.6	6.4
249.3	150.2 .4	-2283.0	6.3	254.3	170.8 .4	-2600.8	6.3	259.3	191.4 .4	-2920.0	6.4
249.4	150.6 .4	-2289.3	6.3	254.4	171.2 .4	-2607.2	6.4	259.4	191.8 .4	-2926.4	6.4
249.5	151.0 .4	-2295.7	6.4	254.5	171.6 .4	-2613.6	6.4	259.5	192.2 .4	-2932.8	6.4
249.6	151.4 .4	-2302.0	6.3	254.6	172.0 .4	-2619.9	6.3	259.6	192.6 .4	-2939.1	6.3
249.7	151.8 .4	-2308.4	6.4	254.7	172.4 .4	-2626.3	6.4	259.7	193.1 .5	-2945.5	6.4
249.8	152.2 .4	-2314.7	6.3	254.8	172.8 .4	-2632.7	6.4	259.8	193.5 .4	-2951.9	6.4
249.9	152.6 .4	-2321.1	6.4	254.9	173.3 .5	-2639.1	6.4	259.9	193.9 .4	-2958.3	6.4
250.0	153.1+.5	-2327.4	-6.3	255.0	173.7+.4	-2645.4	-6.3	260.0	194.3+.4	-2964.7	-6.4

				260.0 - 275.0							
R36	X36	Z36		R36	X36	Z36		R36	X36	Z36	
260.0	194.5+.0	-2964.7	- .0	265.0	214.9+.4	-3285.3	-6.4	270.0	235.6+.4	-3607.1	-6.4
260.1	194.7 .4	-2971.1	6.4	265.1	215.3 .4	-3291.7	6.4	270.1	236.0 .4	-3613.6	6.5
260.2	195.1 .4	-2977.5	6.4	265.2	215.8 .5	-3298.2	6.5	270.2	236.4 .4	-3620.0	6.4
260.3	195.5 .4	-2983.9	6.4	265.3	216.2 .4	-3304.6	6.4	270.3	236.8 .4	-3626.5	6.5
260.4	195.9 .4	-2990.3	6.4	265.4	216.6 .4	-3311.0	6.4	270.4	237.3 .5	-3632.9	6.4
260.5	196.4 .5	-2996.7	6.4	265.5	217.0 .4	-3317.4	6.4	270.5	237.7 .4	-3639.4	6.5
260.6	196.8 .4	-3003.1	6.4	265.6	217.4 .4	-3323.9	6.5	270.6	238.1 .4	-3645.8	6.4
260.7	197.2 .4	-3009.5	6.4	265.7	217.8 .4	-3330.3	6.4	270.7	238.5 .4	-3652.3	6.5
260.8	197.6 .4	-3015.9	6.4	265.8	218.2 .4	-3336.7	6.4	270.8	238.9 .4	-3658.7	6.4
260.9	198.0 .4	-3022.3	6.4	265.9	218.7 .5	-3343.1	6.4	270.9	239.3 .4	-3665.2	6.5
261.0	198.4 .4	-3028.8	6.5	266.0	219.1 .4	-3349.6	6.5	271.0	239.7 .4	-3671.6	6.4
261.1	198.8 .4	-3035.2	6.4	266.1	219.5 .4	-3356.0	6.4	271.1	240.2 .5	-3678.1	6.5
261.2	199.2 .4	-3041.6	6.4	266.2	219.9 .4	-3362.4	6.4	271.2	240.6 .4	-3684.5	6.4
261.3	199.7 .5	-3048.0	6.4	266.3	220.3 .4	-3368.9	6.5	271.3	241.0 .4	-3691.0	6.5
261.4	200.1 .4	-3054.4	6.4	266.4	220.7 .4	-3375.3	6.4	271.4	241.4 .4	-3697.4	6.4
261.5	200.5 .4	-3060.8	6.4	266.5	221.1 .4	-3381.7	6.4	271.5	241.8 .4	-3703.9	6.5
261.6	200.9 .4	-3067.2	6.4	266.6	221.5 .4	-3388.2	6.5	271.6	242.2 .4	-3710.4	6.5
261.7	201.3 .4	-3073.6	6.4	266.7	222.0 .5	-3394.6	6.4	271.7	242.6 .4	-3716.8	6.4
261.8	201.7 .4	-3080.0	6.4	266.8	222.4 .4	-3401.0	6.4	271.8	243.0 .4	-3723.3	6.5
261.9	202.1 .4	-3086.4	6.4	266.9	222.8 .4	-3407.5	6.5	271.9	243.5 .5	-3729.7	6.4
262.0	202.5 .4	-3092.8	6.4	267.0	223.2 .4	-3413.9	6.4	272.0	243.9 .4	-3736.2	6.5
262.1	203.0 .5	-3099.2	6.4	267.1	223.6 .4	-3420.3	6.4	272.1	244.3 .4	-3742.6	6.4
262.2	203.4 .4	-3105.6	6.4	267.2	224.0 .4	-3426.8	6.5	272.2	244.7 .4	-3749.1	6.5
262.3	203.8 .4	-3112.0	6.4	267.3	224.4 .4	-3433.2	6.4	272.3	245.1 .4	-3755.6	6.5
262.4	204.2 .4	-3118.5	6.5	267.4	224.9 .5	-3439.6	6.4	272.4	245.5 .4	-3762.0	6.4
262.5	204.6 .4	-3124.9	6.4	267.5	225.3 .4	-3446.1	6.5	272.5	245.9 .4	-3768.5	6.5
262.6	205.0 .4	-3131.3	6.4	267.6	225.7 .4	-3452.5	6.4	272.6	246.4 .5	-3774.9	6.4
262.7	205.4 .4	-3137.7	6.4	267.7	226.1 .4	-3458.9	6.4	272.7	246.8 .4	-3781.4	6.5
262.8	205.8 .4	-3144.1	6.4	267.8	226.5 .4	-3465.4	6.5	272.8	247.2 .4	-3787.9	6.5
262.9	206.3 .5	-3150.5	6.4	267.9	226.9 .4	-3471.8	6.4	272.9	247.6 .4	-3794.3	6.4
263.0	206.7 .4	-3156.9	6.4	268.0	227.3 .4	-3478.3	6.5	273.0	248.0 .4	-3800.8	6.5
263.1	207.1 .4	-3163.3	6.4	268.1	227.7 .4	-3484.7	6.4	273.1	248.4 .4	-3807.3	6.5
263.2	207.5 .4	-3169.8	6.5	268.2	228.2 .5	-3491.1	6.4	273.2	248.8 .4	-3813.7	6.4
263.3	207.9 .4	-3176.2	6.4	268.3	228.6 .4	-3497.6	6.5	273.3	249.3 .5	-3820.2	6.5
263.4	208.3 .4	-3182.6	6.4	268.4	229.0 .4	-3504.0	6.4	273.4	249.7 .4	-3826.7	6.5
263.5	208.7 .4	-3189.0	6.4	268.5	229.4 .4	-3510.4	6.4	273.5	250.1 .4	-3833.1	6.4
263.6	209.2 .5	-3195.4	6.4	268.6	229.8 .4	-3516.9	6.5	273.6	250.5 .4	-3839.6	6.5
263.7	209.6 .4	-3201.8	6.4	268.7	230.2 .4	-3523.3	6.4	273.7	250.9 .4	-3846.0	6.4
263.8	210.0 .4	-3208.3	6.5	268.8	230.6 .4	-3529.8	6.5	273.8	251.3 .4	-3852.5	6.5
263.9	210.4 .4	-3214.7	6.4	268.9	231.1 .5	-3536.2	6.4	273.9	251.7 .4	-3859.0	6.5
264.0	210.8 .4	-3221.1	6.4	269.0	231.5 .4	-3542.7	6.5	274.0	252.1 .4	-3865.4	6.4
264.1	211.2 .4	-3227.5	6.4	269.1	231.9 .4	-3549.1	6.4	274.1	252.6 .5	-3871.9	6.5
264.2	211.6 .4	-3233.9	6.4	269.2	232.3 .4	-3555.6	6.5	274.2	253.0 .4	-3878.4	6.5
264.3	212.0 .4	-3240.4	6.5	269.3	232.7 .4	-3562.0	6.4	274.3	253.4 .4	-3884.9	6.5
264.4	212.5 .5	-3246.8	6.4	269.4	233.1 .4	-3568.4	6.4	274.4	253.8 .4	-3891.3	6.4
264.5	212.9 .4	-3253.2	6.4	269.5	233.5 .4	-3574.9	6.5	274.5	254.2 .4	-3897.8	6.5
264.6	213.3 .4	-3259.6	6.4	269.6	233.9 .4	-3581.3	6.4	274.6	254.6 .4	-3904.3	6.5
264.7	213.7 .4	-3266.0	6.4	269.7	234.4 .5	-3587.8	6.5	274.7	255.0 .4	-3910.7	6.4
264.8	214.1 .4	-3272.5	6.5	269.8	234.8 .4	-3594.2	6.4	274.8	255.5 .5	-3917.2	6.5
264.9	214.5 .4	-3278.9	6.4	269.9	235.2 .4	-3600.7	6.5	274.9	255.9 .4	-3923.7	6.5
265.0	214.9+.4	-3285.3	-6.4	270.0	235.6+.4	-3607.1	-6.4	275.0	256.3+.4	-3930.2	-6.5

				275.0 - 290.0							
R36	X36	Z36		R36	X36	Z36		R36	X36	Z36	
275.0	256.5+.0	-3930.2	- .0	280.0	277.0+.4	-4254.4	-6.5	285.0	297.7+.4	-4579.8	-0.6
275.1	256.7 .4	-3936.6	6.4	280.1	277.4 .4	-4260.9	6.5	285.1	298.1 .4	-4586.3	6.5
275.2	257.1 .4	-3943.1	6.5	280.2	277.8 .4	-4267.4	6.5	285.2	298.6 .5	-4592.8	6.5
275.3	257.5 .4	-3949.6	6.5	280.3	278.2 .4	-4273.9	6.5	285.3	299.0 .4	-4599.3	6.5
275.4	257.9 .4	-3956.0	6.4	280.4	278.7 .5	-4280.4	6.5	285.4	299.4 .4	-4605.8	6.5
275.5	258.4 .5	-3962.5	6.5	280.5	279.1 .4	-4286.9	6.5	285.5	299.8 .4	-4612.4	6.6
275.6	258.8 .4	-3969.0	6.5	280.6	279.5 .4	-4293.4	6.5	285.6	300.2 .4	-4618.9	6.5
275.7	259.2 .4	-3975.5	6.5	280.7	279.9 .4	-4299.9	6.5	285.7	300.6 .4	-4625.4	6.5
275.8	259.6 .4	-3981.9	6.4	280.8	280.3 .4	-4306.4	6.5	285.8	301.0 .4	-4631.9	6.5
275.9	260.0 .4	-3988.4	6.5	280.9	280.7 .4	-4312.9	6.5	285.9	301.5 .5	-4638.5	6.6
276.0	260.4 .4	-3994.9	6.5	281.0	281.1 .4	-4319.4	6.5	286.0	301.9 .4	-4645.0	6.5
276.1	260.8 .4	-4001.4	6.5	281.1	281.6 .5	-4325.9	6.5	286.1	302.3 .4	-4651.5	6.5
276.2	261.3 .5	-4007.9	6.5	281.2	282.0 .4	-4332.4	6.5	286.2	302.7 .4	-4658.0	6.5
276.3	261.7 .4	-4014.3	6.4	281.3	282.4 .4	-4338.9	6.5	286.3	303.1 .4	-4664.6	6.6
276.4	262.1 .4	-4020.8	6.5	281.4	282.8 .4	-4345.4	6.5	286.4	303.5 .4	-4671.1	6.5
276.5	262.5 .4	-4027.3	6.5	281.5	283.2 .4	-4351.9	6.5	286.5	303.9 .4	-4677.6	6.5
276.6	262.9 .4	-4033.8	6.5	281.6	283.6 .4	-4358.4	6.5	286.6	304.4 .5	-4684.1	6.5
276.7	263.3 .4	-4040.3	6.5	281.7	284.0 .4	-4364.9	6.5	286.7	304.8 .4	-4690.7	6.6
276.8	263.7 .4	-4046.7	6.4	281.8	284.5 .5	-4371.4	6.5	286.8	305.2 .4	-4697.2	6.5
276.9	264.2 .5	-4053.2	6.5	281.9	284.9 .4	-4377.9	6.5	286.9	305.6 .4	-4703.7	6.5
277.0	264.6 .4	-4059.7	6.5	282.0	285.3 .4	-4384.4	6.5	287.0	306.0 .4	-4710.2	6.5
277.1	265.0 .4	-4066.2	6.5	282.1	285.7 .4	-4390.9	6.5	287.1	306.4 .4	-4716.8	6.6
277.2	265.4 .4	-4072.7	6.5	282.2	286.1 .4	-4397.4	6.5	287.2	306.9 .5	-4723.3	6.5
277.3	265.8 .4	-4079.1	6.4	282.3	286.5 .4	-4403.9	6.5	287.3	307.3 .4	-4729.8	6.5
277.4	266.2 .4	-4085.6	6.5	282.4	286.9 .4	-4410.4	6.5	287.4	307.7 .4	-4736.4	6.6
277.5	266.6 .4	-4092.1	6.5	282.5	287.4 .5	-4416.9	6.5	287.5	308.1 .4	-4742.9	6.5
277.6	267.1 .5	-4098.6	6.5	282.6	287.8 .4	-4423.4	6.5	287.6	308.5 .4	-4749.4	6.5
277.7	267.5 .4	-4105.1	6.5	282.7	288.2 .4	-4429.9	6.5	287.7	308.9 .4	-4755.9	6.5
277.8	267.9 .4	-4111.6	6.5	282.8	288.6 .4	-4436.4	6.5	287.8	309.3 .4	-4762.5	6.6
277.9	268.3 .4	-4118.1	6.5	282.9	289.0 .4	-4443.0	6.6	287.9	309.8 .5	-4769.0	6.5
278.0	268.7 .4	-4124.5	6.4	283.0	289.4 .4	-4449.5	6.5	288.0	310.2 .4	-4775.5	6.5
278.1	269.1 .4	-4131.0	6.5	283.1	289.8 .4	-4456.0	6.5	288.1	310.6 .4	-4782.1	6.6
278.2	269.5 .4	-4137.5	6.5	283.2	290.3 .5	-4462.5	6.5	288.2	311.0 .4	-4788.6	6.5
278.3	270.0 .5	-4144.0	6.5	283.3	290.7 .4	-4469.0	6.5	288.3	311.4 .4	-4795.1	6.5
278.4	270.4 .4	-4150.5	6.5	283.4	291.1 .4	-4475.5	6.5	288.4	311.8 .4	-4801.7	6.6
278.5	270.8 .4	-4157.0	6.5	283.5	291.5 .4	-4482.0	6.5	288.5	312.3 .5	-4808.2	6.5
278.6	271.2 .4	-4163.5	6.5	283.6	291.9 .4	-4488.5	6.5	288.6	312.7 .4	-4814.8	6.6
278.7	271.6 .4	-4170.0	6.5	283.7	292.3 .4	-4495.0	6.5	288.7	313.1 .4	-4821.3	6.5
278.8	272.0 .4	-4176.5	6.5	283.8	292.7 .4	-4501.6	6.6	288.8	313.5 .4	-4827.8	6.5
278.9	272.4 .4	-4182.9	6.4	283.9	293.2 .5	-4508.1	6.5	288.9	313.9 .4	-4834.4	6.6
279.0	272.9 .5	-4189.4	6.5	284.0	293.6 .4	-4514.6	6.5	289.0	314.3 .4	-4840.9	6.5
279.1	273.3 .4	-4195.9	6.5	284.1	294.0 .4	-4521.1	6.5	289.1	314.7 .4	-4847.4	6.5
279.2	273.7 .4	-4202.4	6.5	284.2	294.4 .4	-4527.6	6.5	289.2	315.2 .5	-4854.0	6.6
279.3	274.1 .4	-4208.9	6.5	284.3	294.8 .4	-4534.1	6.5	289.3	315.6 .4	-4860.5	6.5
279.4	274.5 .4	-4215.4	6.5	284.4	295.2 .4	-4540.7	6.6	289.4	316.0 .4	-4867.1	6.6
279.5	274.9 .4	-4221.9	6.5	284.5	295.7 .5	-4547.2	6.5	289.5	316.4 .4	-4873.6	6.5
279.6	275.3 .4	-4228.4	6.5	284.6	296.1 .4	-4553.7	6.5	289.6	316.8 .4	-4880.1	6.5
279.7	275.8 .5	-4234.9	6.5	284.7	296.5 .4	-4560.2	6.5	289.7	317.2 .4	-4886.7	6.6
279.8	276.2 .4	-4241.4	6.5	284.8	296.9 .4	-4566.7	6.5	289.8	317.6 .4	-4893.2	6.5
279.9	276.6 .4	-4247.9	6.5	284.9	297.3 .4	-4573.2	6.5	289.9	318.1 .5	-4899.8	6.6
280.0	277.0+.4	-4254.4	-6.5	285.0	297.7+.4	-4579.8	-6.6	290.0	318.5+.4	-4906.3	-6.5

290.0 - 305.0							
R36	X36	Z36		R36	X36	Z36	
290.0	318.5+.0	-4506.3	-.0	295.0	339.3+.5	-5233.9	-6.5
290.1	318.9 .4	-4512.8	6.5	295.1	339.7 .4	-5240.5	6.6
290.2	319.3 .4	-4519.4	6.6	295.2	340.1 .4	-5247.1	6.6
290.3	319.7 .4	-4525.9	6.5	295.3	340.5 .4	-5253.6	6.5
290.4	320.1 .4	-4532.5	6.6	295.4	340.9 .4	-5260.2	6.6
290.5	320.6 .5	-4539.0	6.5	295.5	341.3 .4	-5266.8	6.6
290.6	321.0 .4	-4545.6	6.6	295.6	341.8 .5	-5273.3	6.5
290.7	321.4 .4	-4552.1	6.5	295.7	342.2 .4	-5279.9	6.6
290.8	321.8 .4	-4558.6	6.5	295.8	342.6 .4	-5286.5	6.6
290.9	322.2 .4	-4565.2	6.6	295.9	343.0 .4	-5293.0	6.5
291.0	322.6 .4	-4571.7	6.5	296.0	343.4 .4	-5299.6	6.6
291.1	323.0 .4	-4578.3	6.6	296.1	343.8 .4	-5306.2	6.6
291.2	323.5 .5	-4584.8	6.5	296.2	344.2 .4	-5312.7	6.5
291.3	323.9 .4	-4591.4	6.6	296.3	344.7 .5	-5319.3	6.6
291.4	324.3 .4	-4597.9	6.5	296.4	345.1 .4	-5325.9	6.6
291.5	324.7 .4	-5004.5	6.6	296.5	345.5 .4	-5332.5	6.6
291.6	325.1 .4	-5011.0	6.5	296.6	345.9 .4	-5339.0	6.5
291.7	325.5 .4	-5017.6	6.6	296.7	346.3 .4	-5345.6	6.6
291.8	326.0 .5	-5024.1	6.5	296.8	346.7 .4	-5352.2	6.6
291.9	326.4 .4	-5030.7	6.6	296.9	347.2 .5	-5358.7	6.5
292.0	326.8 .4	-5037.2	6.5	297.0	347.6 .4	-5365.3	6.6
292.1	327.2 .4	-5043.8	6.6	297.1	348.0 .4	-5371.9	6.6
292.2	327.6 .4	-5050.3	6.5	297.2	348.4 .4	-5378.5	6.6
292.3	328.0 .4	-5056.9	6.6	297.3	348.8 .4	-5385.0	6.5
292.4	328.4 .4	-5063.4	6.5	297.4	349.2 .4	-5391.6	6.6
292.5	328.9 .5	-5070.0	6.6	297.5	349.7 .5	-5398.2	6.6
292.6	329.3 .4	-5076.5	6.5	297.6	350.1 .4	-5404.8	6.6
292.7	329.7 .4	-5083.1	6.6	297.7	350.5 .4	-5411.3	6.5
292.8	330.1 .4	-5089.6	6.5	297.8	350.9 .4	-5417.9	6.6
292.9	330.5 .4	-5096.2	6.6	297.9	351.3 .4	-5424.5	6.6
293.0	330.9 .4	-5102.8	6.6	298.0	351.7 .4	-5431.1	6.6
293.1	331.4 .5	-5109.3	6.5	298.1	352.2 .5	-5437.6	6.5
293.2	331.8 .4	-5115.9	6.6	298.2	352.6 .4	-5444.2	6.6
293.3	332.2 .4	-5122.4	6.5	298.3	353.0 .4	-5450.8	6.6
293.4	332.6 .4	-5129.0	6.6	298.4	353.4 .4	-5457.4	6.6
293.5	333.0 .4	-5135.5	6.5	298.5	353.8 .4	-5464.0	6.6
293.6	333.4 .4	-5142.1	6.6	298.6	354.2 .4	-5470.5	6.5
293.7	333.9 .5	-5148.6	6.5	298.7	354.6 .4	-5477.1	6.6
293.8	334.3 .4	-5155.2	6.6	298.8	355.1 .5	-5483.7	6.6
293.9	334.7 .4	-5161.8	6.6	298.9	355.5 .4	-5490.3	6.6
294.0	335.1 .4	-5168.3	6.5	299.0	355.9 .4	-5496.9	6.6
294.1	335.5 .4	-5174.9	6.6	299.1	356.3 .4	-5503.4	6.5
294.2	335.9 .4	-5181.4	6.5	299.2	356.7 .4	-5510.0	6.6
294.3	336.3 .4	-5188.0	6.6	299.3	357.1 .4	-5516.6	6.6
294.4	336.8 .5	-5194.6	6.6	299.4	357.6 .5	-5523.2	6.6
294.5	337.2 .4	-5201.1	6.5	299.5	358.0 .4	-5529.8	6.6
294.6	337.6 .4	-5207.7	6.6	299.6	358.4 .4	-5536.4	6.6
294.7	338.0 .4	-5214.3	6.6	299.7	358.8 .4	-5542.9	6.5
294.8	338.4 .4	-5220.8	6.5	299.8	359.2 .4	-5549.5	6.6
294.9	338.8 .4	-5227.4	6.6	299.9	359.6 .4	-5556.1	6.6
295.0	339.3+.5	-5233.9	-6.5	300.0	360.1+.5	-5562.7	-6.6

R36	X36	Z36	
300.0	360.1+.5	-5562.7	-6.6
300.1	360.5 .4	-5569.3	6.6
300.2	360.9 .4	-5575.9	6.6
300.3	361.3 .4	-5582.5	6.6
300.4	361.7 .4	-5589.0	6.5
300.5	362.1 .4	-5595.6	6.6
300.6	362.6 .5	-5602.2	6.6
300.7	363.0 .4	-5608.8	6.6
300.8	363.4 .4	-5615.4	6.6
300.9	363.8 .4	-5622.0	6.6
301.0	364.2 .4	-5628.6	6.6
301.1	364.6 .4	-5635.2	6.6
301.2	365.1 .5	-5641.8	6.6
301.3	365.5 .4	-5648.3	6.5
301.4	365.9 .4	-5654.9	6.6
301.5	366.3 .4	-5661.5	6.6
301.6	366.7 .4	-5668.1	6.6
301.7	367.1 .4	-5674.7	6.6
301.8	367.6 .5	-5681.3	6.6
301.9	368.0 .4	-5687.9	6.6
302.0	368.4 .4	-5694.5	6.6
302.1	368.8 .4	-5701.1	6.6
302.2	369.2 .4	-5707.7	6.6
302.3	369.6 .4	-5714.3	6.6
302.4	370.1 .5	-5720.9	6.6
302.5	370.5 .4	-5727.5	6.6
302.6	370.9 .4	-5734.1	6.6
302.7	371.3 .4	-5740.7	6.6
302.8	371.7 .4	-5747.3	6.6
302.9	372.1 .4	-5753.9	6.6
303.0	372.6 .5	-5760.5	6.6
303.1	373.0 .4	-5767.1	6.6
303.2	373.4 .4	-5773.7	6.6
303.3	373.8 .4	-5780.3	6.6
303.4	374.2 .4	-5786.9	6.6
303.5	374.6 .4	-5793.5	6.6
303.6	375.1 .5	-5800.1	6.6
303.7	375.5 .4	-5806.7	6.6
303.8	375.9 .4	-5813.3	6.6
303.9	376.3 .4	-5819.9	6.6
304.0	376.7 .4	-5826.5	6.6
304.1	377.1 .4	-5833.1	6.6
304.2	377.6 .5	-5839.7	6.6
304.3	378.0 .4	-5846.3	6.6
304.4	378.4 .4	-5852.9	6.6
304.5	378.8 .4	-5859.5	6.6
304.6	379.2 .4	-5866.1	6.6
304.7	379.6 .4	-5872.7	6.6
304.8	380.1 .5	-5879.3	6.6
304.9	380.5 .4	-5885.9	6.6
305.0	380.9+.4	-5892.5	-6.6

305.0 - 320.0				305.0 - 320.0			
R36	X36	Z36		R36	X36	Z36	
305.0	380.9+.0	-5892.5	.0	310.0	401.7+.4	-6223.4	-6.7
305.1	381.3 .4	-5899.1	6.6	310.1	402.2 .5	-6230.0	6.6
305.2	381.7 .4	-5905.7	6.6	310.2	402.6 .4	-6236.6	6.6
305.3	382.1 .4	-5912.3	6.6	310.3	403.0 .4	-6243.3	6.7
305.4	382.6 .5	-5918.9	6.6	310.4	403.4 .4	-6249.9	6.6
305.5	383.0 .4	-5925.5	6.6	310.5	403.8 .4	-6256.5	6.6
305.6	383.4 .4	-5932.2	6.7	310.6	404.2 .4	-6263.1	6.6
305.7	383.8 .4	-5938.8	6.6	310.7	404.7 .5	-6269.8	6.7
305.8	384.2 .4	-5945.4	6.6	310.8	405.1 .4	-6276.4	6.6
305.9	384.6 .4	-5952.0	6.6	310.9	405.5 .4	-6283.0	6.6
306.0	385.1 .5	-5958.6	6.6	311.0	405.9 .4	-6289.7	6.7
306.1	385.5 .4	-5965.2	6.6	311.1	406.3 .4	-6296.3	6.6
306.2	385.9 .4	-5971.8	6.6	311.2	406.7 .4	-6302.9	6.6
306.3	386.3 .4	-5978.4	6.6	311.3	407.2 .5	-6309.6	6.7
306.4	386.7 .4	-5985.0	6.6	311.4	407.6 .4	-6316.2	6.6
306.5	387.1 .4	-5991.7	6.7	311.5	408.0 .4	-6322.8	6.6
306.6	387.6 .5	-5998.3	6.6	311.6	408.4 .4	-6329.5	6.7
306.7	388.0 .4	-6004.9	6.6	311.7	408.8 .4	-6336.1	6.6
306.8	388.4 .4	-6011.5	6.6	311.8	409.2 .4	-6342.7	6.6
306.9	388.8 .4	-6018.1	6.6	311.9	409.7 .5	-6349.4	6.7
307.0	389.2 .4	-6024.7	6.6	312.0	410.1 .4	-6356.0	6.6
307.1	389.6 .4	-6031.3	6.6	312.1	410.5 .4	-6362.6	6.6
307.2	390.1 .5	-6038.0	6.7	312.2	410.9 .4	-6369.3	6.7
307.3	390.5 .4	-6044.6	6.6	312.3	411.3 .4	-6375.9	6.6
307.4	390.9 .4	-6051.2	6.6	312.4	411.8 .5	-6382.5	6.6
307.5	391.3 .4	-6057.8	6.6	312.5	412.2 .4	-6389.2	6.7
307.6	391.7 .4	-6064.4	6.6	312.6	412.6 .4	-6395.8	6.6
307.7	392.1 .4	-6071.0	6.6	312.7	413.0 .4	-6402.5	6.7
307.8	392.6 .5	-6077.7	6.7	312.8	413.4 .4	-6409.1	6.6
307.9	393.0 .4	-6084.3	6.6	312.9	413.8 .4	-6415.7	6.6
308.0	393.4 .4	-6090.9	6.6	313.0	414.3 .5	-6422.4	6.7
308.1	393.8 .4	-6097.5	6.6	313.1	414.7 .4	-6429.0	6.6
308.2	394.2 .4	-6104.1	6.6	313.2	415.1 .4	-6435.7	6.7
308.3	394.6 .4	-6110.8	6.7	313.3	415.5 .4	-6442.3	6.6
308.4	395.1 .5	-6117.4	6.6	313.4	415.9 .4	-6448.9	6.6
308.5	395.5 .4	-6124.0	6.6	313.5	416.3 .4	-6455.6	6.7
308.6	395.9 .4	-6130.6	6.6	313.6	416.8 .5	-6462.2	6.6
308.7	396.3 .4	-6137.2	6.6	313.7	417.2 .4	-6468.9	6.7
308.8	396.7 .4	-6143.9	6.7	313.8	417.6 .4	-6475.5	6.6
308.9	397.1 .4	-6150.5	6.6	313.9	418.0 .4	-6482.1	6.6
309.0	397.6 .5	-6157.1	6.6	314.0	418.4 .4	-6488.8	6.7
309.1	398.0 .4	-6163.7	6.6	314.1	418.9 .5	-6495.4	6.6
309.2	398.4 .4	-6170.4	6.7	314.2	419.3 .4	-6502.1	6.7
309.3	398.8 .4	-6177.0	6.6	314.3	419.7 .4	-6508.7	6.6
309.4	399.2 .4	-6183.6	6.6	314.4	420.1 .4	-6515.4	6.7
309.5	399.7 .5	-6190.2	6.6	314.5	420.5 .4	-6522.0	6.6
309.6	400.1 .4	-6196.9	6.7	314.6	420.9 .4	-6528.7	6.7
309.7	400.5 .4	-6203.5	6.6	314.7	421.4 .5	-6535.3	6.6
309.8	400.9 .4	-6210.1	6.6	314.8	421.8 .4	-6542.0	6.7
309.9	401.3 .4	-6216.7	6.6	314.9	422.2 .4	-6548.6	6.6
310.0	401.7+.4	-6223.4	-6.7	315.0	422.6+.4	-6555.3	-6.7

R36	X36	Z36
320.0	443.5+.0	-6888.1 - .0
320.1	443.9 .4	-6894.8 6.7
320.2	444.4 .5	-6901.5 6.7
320.3	444.8 .4	-6908.1 6.6
320.4	445.2 .4	-6914.8 6.7
320.5	445.6 .4	-6921.5 6.7
320.6	446.0 .4	-6928.1 6.6
320.7	446.4 .4	-6934.8 6.7
320.8	446.9 .5	-6941.5 6.7
320.9	447.3 .4	-6948.2 6.7
321.0	447.7 .4	-6954.8 6.6
321.1	448.1 .4	-6961.5 6.7
321.2	448.5 .4	-6968.2 6.7
321.3	449.0 .5	-6974.8 6.6
321.4	449.4 .4	-6981.5 6.7
321.5	449.8 .4	-6988.2 6.7
321.6	450.2 .4	-6994.9 6.7
321.7	450.6 .4	-7001.5 6.6
321.8	451.1 .5	-7008.2 6.7
321.9	451.5 .4	-7014.9 6.7
322.0	451.9 .4	-7021.6 6.7
322.1	452.3 .4	-7028.2 6.6
322.2	452.7 .4	-7034.9 6.7
322.3	453.1 .4	-7041.6 6.7
322.4	453.6 .5	-7048.3 6.7
322.5	454.0 .4	-7054.9 6.6
322.6	454.4 .4	-7061.6 6.7
322.7	454.8 .4	-7068.3 6.7
322.8	455.2 .4	-7075.0 6.7
322.9	455.7 .5	-7081.6 6.6
323.0	456.1 .4	-7088.3 6.7
323.1	456.5 .4	-7095.0 6.7
323.2	456.9 .4	-7101.7 6.7
323.3	457.3 .4	-7108.4 6.7
323.4	457.8 .5	-7115.0 6.6
323.5	458.2 .4	-7121.7 6.7
323.6	458.6 .4	-7128.4 6.7
323.7	459.0 .4	-7135.1 6.7
323.8	459.4 .4	-7141.8 6.7
323.9	459.8 .4	-7148.5 6.7
324.0	460.3 .5	-7155.1 6.6
324.1	460.7 .4	-7161.8 6.7
324.2	461.1 .4	-7168.5 6.7
324.3	461.5 .4	-7175.2 6.7
324.4	461.9 .4	-7181.9 6.7
324.5	462.4 .5	-7188.6 6.7
324.6	462.8 .4	-7195.2 6.6
324.7	463.2 .4	-7201.9 6.7
324.8	463.6 .4	-7208.6 6.7
324.9	464.0 .4	-7215.3 6.7
325.0	464.5+.5	-7222.0 - 6.7

320.0 - 335.0		
R36	X36	Z36
325.0	464.5+.5	-7222.0 - 6.7
325.1	464.9 .4	-7228.7 6.7
325.2	465.3 .4	-7235.4 6.7
325.3	465.7 .4	-7242.0 6.6
325.4	466.1 .4	-7248.7 6.7
325.5	466.5 .4	-7255.4 6.7
325.6	467.0 .5	-7262.1 6.7
325.7	467.4 .4	-7268.8 6.7
325.8	467.8 .4	-7275.5 6.7
325.9	468.2 .4	-7282.2 6.7
326.0	468.6 .4	-7288.9 6.7
326.1	469.1 .5	-7295.6 6.7
326.2	469.5 .4	-7302.2 6.6
326.3	469.9 .4	-7308.9 6.7
326.4	470.3 .4	-7315.6 6.7
326.5	470.7 .4	-7322.3 6.7
326.6	471.2 .5	-7329.0 6.7
326.7	471.6 .4	-7335.7 6.7
326.8	472.0 .4	-7342.4 6.7
326.9	472.4 .4	-7349.1 6.7
327.0	472.8 .4	-7355.8 6.7
327.1	473.3 .5	-7362.5 6.7
327.2	473.7 .4	-7369.2 6.7
327.3	474.1 .4	-7375.9 6.7
327.4	474.5 .4	-7382.6 6.7
327.5	474.9 .4	-7389.3 6.7
327.6	475.3 .4	-7396.0 6.7
327.7	475.8 .5	-7402.7 6.7
327.8	476.2 .4	-7409.4 6.7
327.9	476.6 .4	-7416.1 6.7
328.0	477.0 .4	-7422.7 6.6
328.1	477.4 .4	-7429.4 6.7
328.2	477.9 .5	-7436.1 6.7
328.3	478.3 .4	-7442.8 6.7
328.4	478.7 .4	-7449.5 6.7
328.5	479.1 .4	-7456.2 6.7
328.6	479.5 .4	-7462.9 6.7
328.7	480.0 .5	-7469.6 6.7
328.8	480.4 .4	-7476.3 6.7
328.9	480.8 .4	-7483.0 6.7
329.0	481.2 .4	-7489.7 6.7
329.1	481.6 .4	-7496.4 6.7
329.2	482.1 .5	-7503.1 6.7
329.3	482.5 .4	-7509.9 6.8
329.4	482.9 .4	-7516.6 6.7
329.5	483.3 .4	-7523.3 6.7
329.6	483.7 .4	-7530.0 6.7
329.7	484.2 .5	-7536.7 6.7
329.8	484.6 .4	-7543.4 6.7
329.9	485.0 .4	-7550.1 6.7
330.0	485.4+.4	-7556.8 - 6.7

R36	X36	Z36
330.0	485.4+.4	-7556.8 - 6.7
330.1	485.8 .4	-7563.5 6.7
330.2	486.3 .5	-7570.2 6.7
330.3	486.7 .4	-7576.9 6.7
330.4	487.1 .4	-7583.6 6.7
330.5	487.5 .4	-7590.3 6.7
330.6	487.9 .4	-7597.0 6.7
330.7	488.3 .4	-7603.7 6.7
330.8	488.8 .5	-7610.4 6.7
330.9	489.2 .4	-7617.1 6.7
331.0	489.6 .4	-7623.9 6.8
331.1	490.0 .4	-7630.6 6.7
331.2	490.4 .4	-7637.3 6.7
331.3	490.9 .5	-7644.0 6.7
331.4	491.3 .4	-7650.7 6.7
331.5	491.7 .4	-7657.4 6.7
331.6	492.1 .4	-7664.1 6.7
331.7	492.5 .4	-7670.8 6.7
331.8	493.0 .5	-7677.5 6.7
331.9	493.4 .4	-7684.2 6.7
332.0	493.8 .4	-7691.0 6.8
332.1	494.2 .4	-7697.7 6.7
332.2	494.6 .4	-7704.4 6.7
332.3	495.1 .5	-7711.1 6.7
332.4	495.5 .4	-7717.8 6.7
332.5	495.9 .4	-7724.5 6.7
332.6	496.3 .4	-7731.2 6.7
332.7	496.7 .4	-7738.0 6.8
332.8	497.2 .5	-7744.7 6.7
332.9	497.6 .4	-7751.4 6.7
333.0	498.0 .4	-7758.1 6.7
333.1	498.4 .4	-7764.8 6.7
333.2	498.8 .4	-7771.5 6.7
333.3	499.3 .5	-7778.3 6.8
333.4	499.7 .4	-7785.0 6.7
333.5	500.1 .4	-7791.7 6.7
333.6	500.5 .4	-7798.4 6.7
333.7	500.9 .4	-7805.1 6.7
333.8	501.4 .5	-7811.8 6.7
333.9	501.8 .4	-7818.6 6.8
334.0	502.2 .4	-7825.3 6.7
334.1	502.6 .4	-7832.0 6.7
334.2	503.0 .4	-7838.7 6.7
334.3	503.5 .5	-7845.4 6.7
334.4	503.9 .4	-7852.2 6.8
334.5	504.3 .4	-7858.9 6.7
334.6	504.7 .4	-7865.6 6.7
334.7	505.1 .4	-7872.3 6.7
334.8	505.6 .5	-7879.1 6.8
334.9	506.0 .4	-7885.8 6.7
335.0	506.4+.4	-7892.5 - 6.7

R36 (212.73)

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R32		Z32	R32		Z32	180.0 - 205.0		R32	Z32	R32		Z32	R32		Z32
180.0	-1272.2	+.0	185.0	-970.6	+.6.1	190.0	-669.0	+.6.0	195.0	-367.4	+.6.0	200.0	-65.8	+.6.0	
180.1	-1266.2	6.0	185.1	-964.6	6.0	190.1	-663.0	6.0	195.1	-361.4	6.0	200.1	-59.7	6.1	
180.2	-1260.2	6.0	185.2	-958.6	6.0	190.2	-656.9	6.1	195.2	-355.3	6.1	200.2	-53.7	6.0	
180.3	-1254.1	6.1	185.3	-952.5	6.1	190.3	-650.9	6.0	195.3	-349.3	6.0	200.3	-47.7	6.0	
180.4	-1248.1	6.0	185.4	-946.5	6.0	190.4	-644.9	6.0	195.4	-343.3	6.0	200.4	-41.7	6.0	
180.5	-1242.1	6.0	185.5	-940.5	6.0	190.5	-638.9	6.0	195.5	-337.2	6.1	200.5	-35.6	6.1	
180.6	-1236.1	6.0	185.6	-934.4	6.1	190.6	-632.8	6.1	195.6	-331.2	6.0	200.6	-29.6	6.0	
180.7	-1230.0	6.1	185.7	-928.4	6.0	190.7	-626.8	6.0	195.7	-325.2	6.0	200.7	-23.6	6.0	
180.8	-1224.0	6.0	185.8	-922.4	6.0	190.8	-620.8	6.0	195.8	-319.1	6.1	200.8	-17.5	6.1	
180.9	-1218.0	6.0	185.9	-916.3	6.1	190.9	-614.7	6.1	195.9	-313.1	6.0	200.9	-11.5	6.0	
181.0	-1211.9	6.1	186.0	-910.3	6.0	191.0	-608.7	6.0	196.0	-307.1	6.0	201.0	-5.5	6.0	
181.1	-1205.9	6.0	186.1	-904.3	6.0	191.1	-602.7	6.0	196.1	-301.0	6.1	201.1	.6	6.1	
181.2	-1199.9	6.0	186.2	-898.2	6.1	191.2	-596.6	6.1	196.2	-295.0	6.0	201.2	6.6	6.0	
181.3	-1193.8	6.1	186.3	-892.2	6.0	191.3	-590.6	6.0	196.3	-289.0	6.0	201.3	12.6	6.0	
181.4	-1187.8	6.0	186.4	-886.2	6.0	191.4	-584.6	6.0	196.4	-282.9	6.1	201.4	18.7	6.1	
181.5	-1181.8	6.0	186.5	-880.1	6.1	191.5	-578.5	6.1	196.5	-276.9	6.0	201.5	24.7	6.0	
181.6	-1175.7	6.1	186.6	-874.1	6.0	191.6	-572.5	6.0	196.6	-270.9	6.0	201.6	30.7	6.0	
181.7	-1169.7	6.0	186.7	-868.1	6.0	191.7	-566.5	6.0	196.7	-264.8	6.1	201.7	36.8	6.1	
181.8	-1163.7	6.0	186.8	-862.0	6.1	191.8	-560.4	6.1	196.8	-258.8	6.0	201.8	42.8	6.0	
181.9	-1157.6	6.1	186.9	-856.0	6.0	191.9	-554.4	6.0	196.9	-252.8	6.0	201.9	48.8	6.0	
182.0	-1151.6	6.0	187.0	-850.0	6.0	192.0	-548.4	6.0	197.0	-246.7	6.1	202.0	54.9	6.1	
182.1	-1145.6	6.0	187.1	-844.0	6.0	192.1	-542.3	6.1	197.1	-240.7	6.0	202.1	60.9	6.0	
182.2	-1139.5	6.1	187.2	-837.9	6.1	192.2	-536.3	6.0	197.2	-234.7	6.0	202.2	66.9	6.0	
182.3	-1133.5	6.0	187.3	-831.9	6.0	192.3	-530.3	6.0	197.3	-228.7	6.0	202.3	73.0	6.1	
182.4	-1127.5	6.0	187.4	-825.9	6.0	192.4	-524.2	6.1	197.4	-222.6	6.1	202.4	79.0	6.0	
182.5	-1121.4	6.1	187.5	-819.8	6.1	192.5	-518.2	6.0	197.5	-216.6	6.0	202.5	85.0	6.0	
182.6	-1115.4	6.0	187.6	-813.8	6.0	192.6	-512.2	6.0	197.6	-210.6	6.0	202.6	91.1	6.1	
182.7	-1109.4	6.0	187.7	-807.8	6.0	192.7	-506.1	6.1	197.7	-204.5	6.1	202.7	97.1	6.0	
182.8	-1103.3	6.1	187.8	-801.7	6.1	192.8	-500.1	6.0	197.8	-198.5	6.0	202.8	103.1	6.0	
182.9	-1097.3	6.0	187.9	-795.7	6.0	192.9	-494.1	6.0	197.9	-192.5	6.0	202.9	109.2	6.1	
183.0	-1091.3	6.0	188.0	-789.7	6.0	193.0	-488.0	6.1	198.0	-186.4	6.1	203.0	115.2	6.0	
183.1	-1085.2	6.1	188.1	-783.6	6.1	193.1	-482.0	6.0	198.1	-180.4	6.0	203.1	121.2	6.0	
183.2	-1079.2	6.0	188.2	-777.6	6.0	193.2	-476.0	6.0	198.2	-174.4	6.0	203.2	127.3	6.1	
183.3	-1073.2	6.0	188.3	-771.6	6.0	193.3	-469.9	6.1	198.3	-168.3	6.1	203.3	133.3	6.0	
183.4	-1067.1	6.1	188.4	-765.5	6.1	193.4	-463.9	6.0	198.4	-162.3	6.0	203.4	139.3	6.0	
183.5	-1061.1	6.0	188.5	-759.5	6.0	193.5	-457.9	6.0	198.5	-156.3	6.0	203.5	145.4	6.1	
183.6	-1055.1	6.0	188.6	-753.5	6.0	193.6	-451.8	6.1	198.6	-150.2	6.1	203.6	151.4	6.0	
183.7	-1049.0	6.1	188.7	-747.4	6.1	193.7	-445.8	6.0	198.7	-144.2	6.0	203.7	157.4	6.0	
183.8	-1043.0	6.0	188.8	-741.4	6.0	193.8	-439.8	6.0	198.8	-138.2	6.0	203.8	163.4	6.0	
183.9	-1037.0	6.0	188.9	-735.4	6.0	193.9	-433.8	6.0	198.9	-132.1	6.1	203.9	169.5	6.1	
184.0	-1031.0	6.0	189.0	-729.3	6.1	194.0	-427.7	6.1	199.0	-126.1	6.0	204.0	175.5	6.0	
184.1	-1024.9	6.1	189.1	-723.3	6.0	194.1	-421.7	6.0	199.1	-120.1	6.0	204.1	181.5	6.0	
184.2	-1018.9	6.0	189.2	-717.3	6.0	194.2	-415.7	6.0	199.2	-114.0	6.1	204.2	187.6	6.1	
184.3	-1012.9	6.0	189.3	-711.2	6.1	194.3	-409.6	6.1	199.3	-108.0	6.0	204.3	193.6	6.0	
184.4	-1006.8	6.1	189.4	-705.2	6.0	194.4	-403.6	6.0	199.4	-102.0	6.0	204.4	199.6	6.0	
184.5	-1000.8	6.0	189.5	-699.2	6.0	194.5	-397.6	6.0	199.5	-95.9	6.1	204.5	205.7	6.1	
184.6	-994.8	6.0	189.6	-693.1	6.1	194.6	-391.5	6.1	199.6	-89.9	6.0	204.6	211.7	6.0	
184.7	-988.7	6.1	189.7	-687.1	6.0	194.7	-385.5	6.0	199.7	-83.9	6.0	204.7	217.7	6.0	
184.8	-982.7	6.0	189.8	-681.1	6.0	194.8	-379.5	6.0	199.8	-77.8	6.1	204.8	223.8	6.1	
184.9	-976.7	6.0	189.9	-675.0	6.1	194.9	-373.4	6.1	199.9	-71.8	6.0	204.9	229.8	6.0	
185.0	-970.6	+.6.1	190.0	-669.0	+.6.0	195.0	-367.4	+.6.0	200.0	-65.8	+.6.0	205.0	235.8	+.6.0	

				205.0 - 230.0					
R32	Z32	R32	Z32	R32	Z32	R32	Z32	R32	Z32
205.0	235.8 + 6.0	210.0	537.5 + 6.1	215.0	839.1 + 6.1	220.0	1140.7 + 6.0	225.0	1442.3 + 6.0
205.1	241.9 6.1	210.1	543.5 6.0	215.1	845.1 6.0	220.1	1146.7 6.0	225.1	1448.3 6.0
205.2	247.9 6.0	210.2	549.5 6.0	215.2	851.1 6.0	220.2	1152.7 6.0	225.2	1454.4 6.1
205.3	253.9 6.0	210.3	555.5 6.0	215.3	857.2 6.1	220.3	1158.8 6.1	225.3	1460.4 6.0
205.4	260.0 6.1	210.4	561.6 6.1	215.4	863.2 6.0	220.4	1164.8 6.0	225.4	1466.4 6.0
205.5	266.0 6.0	210.5	567.6 6.0	215.5	869.2 6.0	220.5	1170.8 6.0	225.5	1472.5 6.1
205.6	272.0 6.0	210.6	573.6 6.0	215.6	875.3 6.1	220.6	1176.9 6.1	225.6	1478.5 6.0
205.7	278.1 6.1	210.7	579.7 6.1	215.7	881.3 6.0	220.7	1182.9 6.0	225.7	1484.5 6.0
205.8	284.1 6.0	210.8	585.7 6.0	215.8	887.3 6.0	220.8	1188.9 6.0	225.8	1490.6 6.1
205.9	290.1 6.0	210.9	591.7 6.0	215.9	893.4 6.1	220.9	1195.0 6.1	225.9	1496.6 6.0
206.0	296.2 6.1	211.0	597.8 6.1	216.0	899.4 6.0	221.0	1201.0 6.0	226.0	1502.6 6.0
206.1	302.2 6.0	211.1	603.8 6.0	216.1	905.4 6.0	221.1	1207.0 6.0	226.1	1508.7 6.1
206.2	308.2 6.0	211.2	609.8 6.0	216.2	911.5 6.1	221.2	1213.1 6.1	226.2	1514.7 6.0
206.3	314.3 6.1	211.3	615.9 6.1	216.3	917.5 6.0	221.3	1219.1 6.0	226.3	1520.7 6.0
206.4	320.3 6.0	211.4	621.9 6.0	216.4	923.5 6.0	221.4	1225.1 6.0	226.4	1526.8 6.1
206.5	326.3 6.0	211.5	627.9 6.0	216.5	929.6 6.1	221.5	1231.2 6.1	226.5	1532.8 6.0
206.6	332.4 6.1	211.6	634.0 6.1	216.6	935.6 6.0	221.6	1237.2 6.0	226.6	1538.8 6.0
206.7	338.4 6.0	211.7	640.0 6.0	216.7	941.6 6.0	221.7	1243.2 6.0	226.7	1544.9 6.1
206.8	344.4 6.0	211.8	646.0 6.0	216.8	947.7 6.1	221.8	1249.3 6.1	226.8	1550.9 6.0
206.9	350.5 6.1	211.9	652.1 6.1	216.9	953.7 6.0	221.9	1255.3 6.0	226.9	1556.9 6.0
207.0	356.5 6.0	212.0	658.1 6.0	217.0	959.7 6.0	222.0	1261.3 6.0	227.0	1562.9 6.0
207.1	362.5 6.0	212.1	664.1 6.0	217.1	965.7 6.0	222.1	1267.4 6.1	227.1	1569.0 6.1
207.2	368.5 6.0	212.2	670.2 6.1	217.2	971.8 6.1	222.2	1273.4 6.0	227.2	1575.0 6.0
207.3	374.6 6.1	212.3	676.2 6.0	217.3	977.8 6.0	222.3	1279.4 6.0	227.3	1581.0 6.0
207.4	380.6 6.0	212.4	682.2 6.0	217.4	983.8 6.0	222.4	1285.5 6.1	227.4	1587.1 6.1
207.5	386.6 6.0	212.5	688.3 6.1	217.5	989.9 6.1	222.5	1291.5 6.0	227.5	1593.1 6.0
207.6	392.7 6.1	212.6	694.3 6.0	217.6	995.9 6.0	222.6	1297.5 6.0	227.6	1599.1 6.0
207.7	398.7 6.0	212.7	700.3 6.0	217.7	1001.9 6.0	222.7	1303.6 6.1	227.7	1605.2 6.1
207.8	404.7 6.0	212.8	706.4 6.1	217.8	1008.0 6.1	222.8	1309.6 6.0	227.8	1611.2 6.0
207.9	410.8 6.1	212.9	712.4 6.0	217.9	1014.0 6.0	222.9	1315.6 6.0	227.9	1617.2 6.0
208.0	416.8 6.0	213.0	718.4 6.0	218.0	1020.0 6.0	223.0	1321.7 6.1	228.0	1623.3 6.1
208.1	422.8 6.0	213.1	724.5 6.1	218.1	1026.1 6.1	223.1	1327.7 6.0	228.1	1629.3 6.0
208.2	428.9 6.1	213.2	730.5 6.0	218.2	1032.1 6.0	223.2	1333.7 6.0	228.2	1635.3 6.0
208.3	434.9 6.0	213.3	736.5 6.0	218.3	1038.1 6.0	223.3	1339.8 6.1	228.3	1641.4 6.1
208.4	440.9 6.0	213.4	742.6 6.1	218.4	1044.2 6.1	223.4	1345.8 6.0	228.4	1647.4 6.0
208.5	447.0 6.1	213.5	748.6 6.0	218.5	1050.2 6.0	223.5	1351.8 6.0	228.5	1653.4 6.0
208.6	453.0 6.0	213.6	754.6 6.0	218.6	1056.2 6.0	223.6	1357.8 6.0	228.6	1659.5 6.1
208.7	459.0 6.0	213.7	760.6 6.0	218.7	1062.3 6.1	223.7	1363.9 6.1	228.7	1665.5 6.0
208.8	465.1 6.1	213.8	766.7 6.1	218.8	1068.3 6.0	223.8	1369.9 6.0	228.8	1671.5 6.0
208.9	471.1 6.0	213.9	772.7 6.0	218.9	1074.3 6.0	223.9	1375.9 6.0	228.9	1677.6 6.1
209.0	477.1 6.0	214.0	778.7 6.0	219.0	1080.4 6.1	224.0	1382.0 6.1	229.0	1683.6 6.0
209.1	483.2 6.1	214.1	784.8 6.1	219.1	1086.4 6.0	224.1	1388.0 6.0	229.1	1689.6 6.0
209.2	489.2 6.0	214.2	790.8 6.0	219.2	1092.4 6.0	224.2	1394.0 6.0	229.2	1695.7 6.1
209.3	495.2 6.0	214.3	796.8 6.0	219.3	1098.5 6.1	224.3	1400.1 6.1	229.3	1701.7 6.0
209.4	501.3 6.1	214.4	802.9 6.1	219.4	1104.5 6.0	224.4	1406.1 6.0	229.4	1707.7 6.0
209.5	507.3 6.0	214.5	808.9 6.0	219.5	1110.5 6.0	224.5	1412.1 6.0	229.5	1713.8 6.1
209.6	513.3 6.0	214.6	814.9 6.0	219.6	1116.6 6.1	224.6	1418.2 6.1	229.6	1719.8 6.0
209.7	519.4 6.1	214.7	821.0 6.1	219.7	1122.6 6.0	224.7	1424.2 6.0	229.7	1725.8 6.0
209.8	525.4 6.0	214.8	827.0 6.0	219.8	1128.6 6.0	224.8	1430.2 6.0	229.8	1731.9 6.1
209.9	531.4 6.0	214.9	833.0 6.0	219.9	1134.7 6.1	224.9	1436.3 6.1	229.9	1737.9 6.0
210.0	537.5 + 6.1	215.0	839.1 + 6.1	220.0	1140.7 + 6.0	225.0	1442.3 + 6.0	230.0	1743.9 + 6.0

R32		Z32	R32		Z32	230.0 - 255.0		R32	Z32	R32		Z32	R32		Z32
230.0	1743.9	+	235.0	2045.5	6.0	240.0	2347.2	+	245.0	2648.8	+	250.0	2950.4	+	6.0
230.1	1750.0	6.1	235.1	2051.6	6.1	240.1	2353.2	6.0	245.1	2654.8	6.0	250.1	2956.4	6.0	
230.2	1756.0	6.0	235.2	2057.6	6.0	240.2	2359.2	6.0	245.2	2660.8	6.0	250.2	2962.4	6.0	
230.3	1762.0	6.0	235.3	2063.6	6.0	240.3	2365.2	6.0	245.3	2666.9	6.1	250.3	2968.5	6.1	
230.4	1768.0	6.0	235.4	2069.7	6.1	240.4	2371.3	6.1	245.4	2672.9	6.0	250.4	2974.5	6.0	
230.5	1774.1	6.1	235.5	2075.7	6.0	240.5	2377.3	6.0	245.5	2678.9	6.0	250.5	2980.5	6.0	
230.6	1780.1	6.0	235.6	2081.7	6.0	240.6	2383.3	6.0	245.6	2685.0	6.1	250.6	2986.6	6.1	
230.7	1786.1	6.0	235.7	2087.8	6.1	240.7	2389.4	6.1	245.7	2691.0	6.0	250.7	2992.6	6.0	
230.8	1792.2	6.1	235.8	2093.8	6.0	240.8	2395.4	6.0	245.8	2697.0	6.0	250.8	2998.6	6.0	
230.9	1798.2	6.0	235.9	2099.8	6.0	240.9	2401.4	6.0	245.9	2703.1	6.1	250.9	3004.7	6.1	
231.0	1804.2	6.0	236.0	2105.9	6.1	241.0	2407.5	6.1	246.0	2709.1	6.0	251.0	3010.7	6.0	
231.1	1810.3	6.1	236.1	2111.9	6.0	241.1	2413.5	6.0	246.1	2715.1	6.0	251.1	3016.7	6.0	
231.2	1816.3	6.0	236.2	2117.9	6.0	241.2	2419.5	6.0	246.2	2721.2	6.1	251.2	3022.8	6.1	
231.3	1822.3	6.0	236.3	2124.0	6.1	241.3	2425.6	6.1	246.3	2727.2	6.0	251.3	3028.8	6.0	
231.4	1828.4	6.1	236.4	2130.0	6.0	241.4	2431.6	6.0	246.4	2733.2	6.0	251.4	3034.8	6.0	
231.5	1834.4	6.0	236.5	2136.0	6.0	241.5	2437.6	6.0	246.5	2739.3	6.1	251.5	3040.9	6.1	
231.6	1840.4	6.0	236.6	2142.1	6.1	241.6	2443.7	6.1	246.6	2745.3	6.0	251.6	3046.9	6.0	
231.7	1846.5	6.1	236.7	2148.1	6.0	241.7	2449.7	6.0	246.7	2751.3	6.0	251.7	3052.9	6.0	
231.8	1852.5	6.0	236.8	2154.1	6.0	241.8	2455.7	6.0	246.8	2757.3	6.0	251.8	3059.0	6.1	
231.9	1858.5	6.0	236.9	2160.1	6.0	241.9	2461.8	6.1	246.9	2763.4	6.1	251.9	3065.0	6.0	
232.0	1864.6	6.1	237.0	2166.2	6.1	242.0	2467.8	6.0	247.0	2769.4	6.0	252.0	3071.0	6.0	
232.1	1870.6	6.0	237.1	2172.2	6.0	242.1	2473.8	6.0	247.1	2775.4	6.0	252.1	3077.1	6.1	
232.2	1876.6	6.0	237.2	2178.2	6.0	242.2	2479.9	6.1	247.2	2781.5	6.1	252.2	3083.1	6.0	
232.3	1882.7	6.1	237.3	2184.3	6.1	242.3	2485.9	6.0	247.3	2787.5	6.0	252.3	3089.1	6.0	
232.4	1888.7	6.0	237.4	2190.3	6.0	242.4	2491.9	6.0	247.4	2793.5	6.0	252.4	3095.2	6.1	
232.5	1894.7	6.0	237.5	2196.3	6.0	242.5	2498.0	6.1	247.5	2799.6	6.1	252.5	3101.2	6.0	
232.6	1900.8	6.1	237.6	2202.4	6.1	242.6	2504.0	6.0	247.6	2805.6	6.0	252.6	3107.2	6.0	
232.7	1906.8	6.0	237.7	2208.4	6.0	242.7	2510.0	6.0	247.7	2811.6	6.0	252.7	3113.3	6.1	
232.8	1912.8	6.0	237.8	2214.4	6.0	242.8	2516.1	6.1	247.8	2817.7	6.1	252.8	3119.3	6.0	
232.9	1918.9	6.1	237.9	2220.5	6.1	242.9	2522.1	6.0	247.9	2823.7	6.0	252.9	3125.3	6.0	
233.0	1924.9	6.0	238.0	2226.5	6.0	243.0	2528.1	6.0	248.0	2829.7	6.0	253.0	3131.4	6.1	
233.1	1930.9	6.0	238.1	2232.5	6.0	243.1	2534.2	6.1	248.1	2835.8	6.1	253.1	3137.4	6.0	
233.2	1937.0	6.1	238.2	2238.6	6.1	243.2	2540.2	6.0	248.2	2841.8	6.0	253.2	3143.4	6.0	
233.3	1943.0	6.0	238.3	2244.6	6.0	243.3	2546.2	6.0	248.3	2847.8	6.0	253.3	3149.5	6.1	
233.4	1949.0	6.0	238.4	2250.6	6.0	243.4	2552.3	6.1	248.4	2853.9	6.1	253.4	3155.5	6.0	
233.5	1955.0	6.0	238.5	2256.7	6.1	243.5	2558.3	6.0	248.5	2859.9	6.0	253.5	3161.5	6.0	
233.6	1961.1	6.1	238.6	2262.7	6.0	243.6	2564.3	6.0	248.6	2865.9	6.0	253.6	3167.5	6.0	
233.7	1967.1	6.0	238.7	2268.7	6.0	243.7	2570.3	6.0	248.7	2872.0	6.1	253.7	3173.6	6.1	
233.8	1973.1	6.0	238.8	2274.8	6.1	243.8	2576.4	6.1	248.8	2878.0	6.0	253.8	3179.6	6.0	
233.9	1979.2	6.1	238.9	2280.8	6.0	243.9	2582.4	6.0	248.9	2884.0	6.0	253.9	3185.6	6.0	
234.0	1985.2	6.0	239.0	2286.8	6.0	244.0	2588.4	6.0	249.0	2890.1	6.1	254.0	3191.7	6.1	
234.1	1991.2	6.0	239.1	2292.9	6.1	244.1	2594.5	6.1	249.1	2896.1	6.0	254.1	3197.7	6.0	
234.2	1997.3	6.1	239.2	2298.9	6.0	244.2	2600.5	6.0	249.2	2902.1	6.0	254.2	3203.7	6.0	
234.3	2003.3	6.0	239.3	2304.9	6.0	244.3	2606.5	6.0	249.3	2908.2	6.1	254.3	3209.8	6.1	
234.4	2009.3	6.0	239.4	2311.0	6.1	244.4	2612.6	6.1	249.4	2914.2	6.0	254.4	3215.8	6.0	
234.5	2015.4	6.1	239.5	2317.0	6.0	244.5	2618.6	6.0	249.5	2920.2	6.0	254.5	3221.8	6.0	
234.6	2021.4	6.0	239.6	2323.0	6.0	244.6	2624.6	6.0	249.6	2926.3	6.1	254.6	3227.9	6.1	
234.7	2027.4	6.0	239.7	2329.1	6.1	244.7	2630.7	6.1	249.7	2932.3	6.0	254.7	3233.9	6.0	
234.8	2033.5	6.1	239.8	2335.1	6.0	244.8	2636.7	6.0	249.8	2938.3	6.0	254.8	3239.9	6.0	
234.9	2039.5	6.0	239.9	2341.1	6.0	244.9	2642.7	6.0	249.9	2944.4	6.1	254.9	3246.0	6.1	
235.0	2045.5	+	240.0	2347.2	+	245.0	2648.8	+	250.0	2950.4	+	255.0	3252.0	+	6.0

				255.0 - 280.0					
R32	Z32	R32	Z32	R32	Z32	R32	Z32	R32	Z32
255.0	3252.0 + 6.0	260.0	3553.6 + 6.0	265.0	3855.2 + 6.0	270.0	4156.8 + 6.0	275.0	4458.5 + 6.1
255.1	3258.0 6.0	260.1	3559.6 6.0	265.1	3861.3 6.1	270.1	4162.9 6.1	275.1	4464.5 6.0
255.2	3264.1 6.1	260.2	3565.7 6.1	265.2	3867.3 6.0	270.2	4168.9 6.0	275.2	4470.5 6.0
255.3	3270.1 6.0	260.3	3571.7 6.0	265.3	3873.3 6.0	270.3	4174.9 6.0	275.3	4476.6 6.1
255.4	3276.1 6.0	260.4	3577.7 6.0	265.4	3879.4 6.1	270.4	4181.0 6.1	275.4	4482.6 6.0
255.5	3282.2 6.1	260.5	3583.8 6.1	265.5	3885.4 6.0	270.5	4187.0 6.0	275.5	4488.6 6.0
255.6	3288.2 6.0	260.6	3589.8 6.0	265.6	3891.4 6.0	270.6	4193.0 6.0	275.6	4494.7 6.1
255.7	3294.2 6.0	260.7	3595.8 6.0	265.7	3897.5 6.1	270.7	4199.1 6.1	275.7	4500.7 6.0
255.8	3300.3 6.1	260.8	3601.9 6.1	265.8	3903.5 6.0	270.8	4205.1 6.0	275.8	4506.7 6.0
255.9	3306.3 6.0	260.9	3607.9 6.0	265.9	3909.5 6.0	270.9	4211.1 6.0	275.9	4512.8 6.1
256.0	3312.3 6.0	261.0	3613.9 6.0	266.0	3915.6 6.1	271.0	4217.2 6.1	276.0	4518.8 6.0
256.1	3318.4 6.1	261.1	3620.0 6.1	266.1	3921.6 6.0	271.1	4223.2 6.0	276.1	4524.8 6.0
256.2	3324.4 6.0	261.2	3626.0 6.0	266.2	3927.6 6.0	271.2	4229.2 6.0	276.2	4530.9 6.1
256.3	3330.4 6.0	261.3	3632.0 6.0	266.3	3933.7 6.1	271.3	4235.3 6.1	276.3	4536.9 6.0
256.4	3336.5 6.1	261.4	3638.1 6.1	266.4	3939.7 6.0	271.4	4241.3 6.0	276.4	4542.9 6.0
256.5	3342.5 6.0	261.5	3644.1 6.0	266.5	3945.7 6.0	271.5	4247.3 6.0	276.5	4549.0 6.1
256.6	3348.5 6.0	261.6	3650.1 6.0	266.6	3951.7 6.0	271.6	4253.4 6.1	276.6	4555.0 6.0
256.7	3354.5 6.0	261.7	3656.2 6.1	266.7	3957.8 6.1	271.7	4259.4 6.0	276.7	4561.0 6.0
256.8	3360.6 6.1	261.8	3662.2 6.0	266.8	3963.8 6.0	271.8	4265.4 6.0	276.8	4567.0 6.0
256.9	3366.6 6.0	261.9	3668.2 6.0	266.9	3969.8 6.0	271.9	4271.5 6.1	276.9	4573.1 6.1
257.0	3372.6 6.0	262.0	3674.3 6.1	267.0	3975.9 6.1	272.0	4277.5 6.0	277.0	4579.1 6.0
257.1	3378.7 6.1	262.1	3680.3 6.0	267.1	3981.9 6.0	272.1	4283.5 6.0	277.1	4585.1 6.0
257.2	3384.7 6.0	262.2	3686.3 6.0	267.2	3987.9 6.0	272.2	4289.6 6.1	277.2	4591.2 6.1
257.3	3390.7 6.0	262.3	3692.4 6.1	267.3	3994.0 6.1	272.3	4295.6 6.0	277.3	4597.2 6.0
257.4	3396.8 6.1	262.4	3698.4 6.0	267.4	4000.0 6.0	272.4	4301.6 6.0	277.4	4603.2 6.0
257.5	3402.8 6.0	262.5	3704.4 6.0	267.5	4006.0 6.0	272.5	4307.7 6.1	277.5	4609.3 6.1
257.6	3408.8 6.0	262.6	3710.5 6.1	267.6	4012.1 6.1	272.6	4313.7 6.0	277.6	4615.3 6.0
257.7	3414.9 6.1	262.7	3716.5 6.0	267.7	4018.1 6.0	272.7	4319.7 6.0	277.7	4621.3 6.0
257.8	3420.9 6.0	262.8	3722.5 6.0	267.8	4024.1 6.0	272.8	4325.8 6.1	277.8	4627.4 6.1
257.9	3426.9 6.0	262.9	3728.6 6.1	267.9	4030.2 6.1	272.9	4331.8 6.0	277.9	4633.4 6.0
258.0	3433.0 6.1	263.0	3734.6 6.0	268.0	4036.2 6.0	273.0	4337.8 6.0	278.0	4639.4 6.0
258.1	3439.0 6.0	263.1	3740.6 6.0	268.1	4042.2 6.0	273.1	4343.9 6.1	278.1	4645.5 6.1
258.2	3445.0 6.0	263.2	3746.7 6.1	268.2	4048.3 6.1	273.2	4349.9 6.0	278.2	4651.5 6.0
258.3	3451.1 6.1	263.3	3752.7 6.0	268.3	4054.3 6.0	273.3	4355.9 6.0	278.3	4657.5 6.0
258.4	3457.1 6.0	263.4	3758.7 6.0	268.4	4060.3 6.0	273.4	4361.9 6.0	278.4	4663.6 6.1
258.5	3463.1 6.0	263.5	3764.7 6.0	268.5	4066.4 6.1	273.5	4368.0 6.1	278.5	4669.6 6.0
258.6	3469.2 6.1	263.6	3770.8 6.1	268.6	4072.4 6.0	273.6	4374.0 6.0	278.6	4675.6 6.0
258.7	3475.2 6.0	263.7	3776.8 6.0	268.7	4078.4 6.0	273.7	4380.0 6.0	278.7	4681.7 6.1
258.8	3481.2 6.0	263.8	3782.8 6.0	268.8	4084.5 6.1	273.8	4386.1 6.1	278.8	4687.7 6.0
258.9	3487.3 6.1	263.9	3788.9 6.1	268.9	4090.5 6.0	273.9	4392.1 6.0	278.9	4693.7 6.0
259.0	3493.3 6.0	264.0	3794.9 6.0	269.0	4096.5 6.0	274.0	4398.1 6.0	279.0	4699.8 6.1
259.1	3499.3 6.0	264.1	3800.9 6.0	269.1	4102.6 6.1	274.1	4404.2 6.1	279.1	4705.8 6.0
259.2	3505.4 6.1	264.2	3807.0 6.1	269.2	4108.6 6.0	274.2	4410.2 6.0	279.2	4711.8 6.0
259.3	3511.4 6.0	264.3	3813.0 6.0	269.3	4114.6 6.0	274.3	4416.2 6.0	279.3	4717.9 6.1
259.4	3517.4 6.0	264.4	3819.0 6.0	269.4	4120.7 6.1	274.4	4422.3 6.1	279.4	4723.9 6.0
259.5	3523.5 6.1	264.5	3825.1 6.1	269.5	4126.7 6.0	274.5	4428.3 6.0	279.5	4729.9 6.0
259.6	3529.5 6.0	264.6	3831.1 6.0	269.6	4132.7 6.0	274.6	4434.3 6.0	279.6	4736.0 6.1
259.7	3535.5 6.0	264.7	3837.1 6.0	269.7	4138.8 6.1	274.7	4440.4 6.1	279.7	4742.0 6.0
259.8	3541.6 6.1	264.8	3843.2 6.1	269.8	4144.8 6.0	274.8	4446.4 6.0	279.8	4748.0 6.0
259.9	3547.6 6.0	264.9	3849.2 6.0	269.9	4150.8 6.0	274.9	4452.4 6.0	279.9	4754.0 6.0
260.0	3553.6 + 6.0	265.0	3855.2 + 6.0	270.0	4156.8 + 6.0	275.0	4458.5 + 6.1	280.0	4760.1 + 6.1

280.0 - 305.0															
R32		Z32	R32		Z32	R32		Z32	R32		Z32	R32		Z32	
280.0	4760.1	+	.0	285.0	5061.7	+	6.0	290.0	5363.3	+	6.0	295.0	5664.9	+	6.0
280.1	4766.1	6.0	285.1	5067.7	6.0	290.1	5369.3	6.0	295.1	5671.0	6.1	300.1	5972.6	6.1	
280.2	4772.1	6.0	285.2	5073.8	6.1	290.2	5375.4	6.1	295.2	5677.0	6.0	300.2	5978.6	6.0	
280.3	4778.2	6.1	285.3	5079.8	6.0	290.3	5381.4	6.0	295.3	5683.0	6.0	300.3	5984.6	6.0	
280.4	4784.2	6.0	285.4	5085.8	6.0	290.4	5387.4	6.0	295.4	5689.1	6.1	300.4	5990.7	6.1	
280.5	4790.2	6.0	285.5	5091.9	6.1	290.5	5393.5	6.1	295.5	5695.1	6.0	300.5	5996.7	6.0	
280.6	4796.3	6.1	285.6	5097.9	6.0	290.6	5399.5	6.0	295.6	5701.1	6.0	300.6	6002.7	6.0	
280.7	4802.3	6.0	285.7	5103.9	6.0	290.7	5405.5	6.0	295.7	5707.2	6.1	300.7	6008.8	6.1	
280.8	4808.3	6.0	285.8	5110.0	6.1	290.8	5411.6	6.1	295.8	5713.2	6.0	300.8	6014.8	6.0	
280.9	4814.4	6.1	285.9	5116.0	6.0	290.9	5417.6	6.0	295.9	5719.2	6.0	300.9	6020.8	6.0	
281.0	4820.4	6.0	286.0	5122.0	6.0	291.0	5423.6	6.0	296.0	5725.3	6.1	301.0	6026.9	6.1	
281.1	4826.4	6.0	286.1	5128.1	6.1	291.1	5429.7	6.1	296.1	5731.3	6.0	301.1	6032.9	6.0	
281.2	4832.5	6.1	286.2	5134.1	6.0	291.2	5435.7	6.0	296.2	5737.3	6.0	301.2	6038.9	6.0	
281.3	4838.5	6.0	286.3	5140.1	6.0	291.3	5441.7	6.0	296.3	5743.4	6.1	301.3	6045.0	6.1	
281.4	4844.5	6.0	286.4	5146.2	6.1	291.4	5447.8	6.1	296.4	5749.4	6.0	301.4	6051.0	6.0	
281.5	4850.6	6.1	286.5	5152.2	6.0	291.5	5453.8	6.0	296.5	5755.4	6.0	301.5	6057.0	6.0	
281.6	4856.6	6.0	286.6	5158.2	6.0	291.6	5459.8	6.0	296.6	5761.4	6.0	301.6	6063.1	6.1	
281.7	4862.6	6.0	286.7	5164.2	6.0	291.7	5465.9	6.1	296.7	5767.5	6.1	301.7	6069.1	6.0	
281.8	4868.7	6.1	286.8	5170.3	6.1	291.8	5471.9	6.0	296.8	5773.5	6.0	301.8	6075.1	6.0	
281.9	4874.7	6.0	286.9	5176.3	6.0	291.9	5477.9	6.0	296.9	5779.5	6.0	301.9	6081.2	6.1	
282.0	4880.7	6.0	287.0	5182.3	6.0	292.0	5484.0	6.1	297.0	5785.6	6.1	302.0	6087.2	6.0	
282.1	4886.8	6.1	287.1	5188.4	6.1	292.1	5490.0	6.0	297.1	5791.6	6.0	302.1	6093.2	6.0	
282.2	4892.8	6.0	287.2	5194.4	6.0	292.2	5496.0	6.0	297.2	5797.6	6.0	302.2	6099.3	6.1	
282.3	4898.8	6.0	287.3	5200.4	6.0	292.3	5502.1	6.1	297.3	5803.7	6.1	302.3	6105.3	6.0	
282.4	4904.9	6.1	287.4	5206.5	6.1	292.4	5508.1	6.0	297.4	5809.7	6.0	302.4	6111.3	6.0	
282.5	4910.9	6.0	287.5	5212.5	6.0	292.5	5514.1	6.0	297.5	5815.7	6.0	302.5	6117.4	6.1	
282.6	4916.9	6.0	287.6	5218.5	6.0	292.6	5520.2	6.1	297.6	5821.8	6.1	302.6	6123.4	6.0	
282.7	4923.0	6.1	287.7	5224.6	6.1	292.7	5526.2	6.0	297.7	5827.8	6.0	302.7	6129.4	6.0	
282.8	4929.0	6.0	287.8	5230.6	6.0	292.8	5532.2	6.0	297.8	5833.8	6.0	302.8	6135.5	6.1	
282.9	4935.0	6.0	287.9	5236.6	6.0	292.9	5538.3	6.1	297.9	5839.9	6.1	302.9	6141.5	6.0	
283.0	4941.1	6.1	288.0	5242.7	6.1	293.0	5544.3	6.0	298.0	5845.9	6.0	303.0	6147.5	6.0	
283.1	4947.1	6.0	288.1	5248.7	6.0	293.1	5550.3	6.0	298.1	5851.9	6.0	303.1	6153.5	6.0	
283.2	4953.1	6.0	288.2	5254.7	6.0	293.2	5556.3	6.0	298.2	5858.0	6.1	303.2	6159.6	6.1	
283.3	4959.1	6.0	288.3	5260.8	6.1	293.3	5562.4	6.1	298.3	5864.0	6.0	303.3	6165.6	6.0	
283.4	4965.2	6.1	288.4	5266.8	6.0	293.4	5568.4	6.0	298.4	5870.0	6.0	303.4	6171.6	6.0	
283.5	4971.2	6.0	288.5	5272.8	6.0	293.5	5574.4	6.0	298.5	5876.1	6.1	303.5	6177.7	6.1	
283.6	4977.2	6.0	288.6	5278.9	6.1	293.6	5580.5	6.1	298.6	5882.1	6.0	303.6	6183.7	6.0	
283.7	4983.3	6.1	288.7	5284.9	6.0	293.7	5586.5	6.0	298.7	5888.1	6.0	303.7	6189.7	6.0	
283.8	4989.3	6.0	288.8	5290.9	6.0	293.8	5592.5	6.0	298.8	5894.2	6.1	303.8	6195.8	6.1	
283.9	4995.3	6.0	288.9	5297.0	6.1	293.9	5598.6	6.1	298.9	5900.2	6.0	303.9	6201.8	6.0	
284.0	5001.4	6.1	289.0	5303.0	6.0	294.0	5604.6	6.0	299.0	5906.2	6.0	304.0	6207.8	6.0	
284.1	5007.4	6.0	289.1	5309.0	6.0	294.1	5610.6	6.0	299.1	5912.3	6.1	304.1	6213.9	6.1	
284.2	5013.4	6.0	289.2	5315.1	6.1	294.2	5616.7	6.1	299.2	5918.3	6.0	304.2	6219.9	6.0	
284.3	5019.5	6.1	289.3	5321.1	6.0	294.3	5622.7	6.0	299.3	5924.3	6.0	304.3	6225.9	6.0	
284.4	5025.5	6.0	289.4	5327.1	6.0	294.4	5628.7	6.0	299.4	5930.4	6.1	304.4	6232.0	6.1	
284.5	5031.5	6.0	289.5	5333.2	6.1	294.5	5634.8	6.1	299.5	5936.4	6.0	304.5	6238.0	6.0	
284.6	5037.6	6.1	289.6	5339.2	6.0	294.6	5640.8	6.0	299.6	5942.4	6.0	304.6	6244.0	6.0	
284.7	5043.6	6.0	289.7	5345.2	6.0	294.7	5646.8	6.0	299.7	5948.5	6.1	304.7	6250.1	6.1	
284.8	5049.6	6.0	289.8	5351.2	6.0	294.8	5652.9	6.1	299.8	5954.5	6.0	304.8	6256.1	6.0	
284.9	5055.7	6.1	289.9	5357.3	6.1	294.9	5658.9	6.0	299.9	5960.5	6.0	304.9	6262.1	6.0	
285.0	5061.7	+	6.0	290.0	5363.3	+	6.0	295.0	5664.9	+	6.0	305.0	6268.2	+	6.1

R₃₂ (201.09)

			170.0 - 185.0					
R28	X28	Z28	K28	X28	Z28	K28	X28	Z28
170.0	122.3-.0	-1181.4 +.0	175.0	91.5-.6	-893.4 +5.8	180.0	60.8-.6	-599.2 +5.9
170.1	121.7 .6	-1175.7 5.7	175.1	90.9 .6	-887.6 5.8	180.1	60.1 .7	-593.2 6.0
170.2	121.0 .7	-1170.0 5.7	175.2	90.3 .6	-881.7 5.9	180.2	59.5 .6	-587.3 5.9
170.3	120.4 .6	-1164.3 5.7	175.3	89.7 .6	-875.9 5.8	180.3	58.9 .6	-581.3 6.0
170.4	119.8 .6	-1158.6 5.7	175.4	89.1 .6	-870.1 5.8	180.4	58.3 .6	-575.4 5.9
170.5	119.2 .6	-1152.9 5.7	175.5	88.4 .7	-864.2 5.9	180.5	57.7 .6	-569.4 6.0
170.6	118.6 .6	-1147.2 5.7	175.6	87.8 .6	-858.4 5.8	180.6	57.1 .6	-563.4 6.0
170.7	118.0 .6	-1141.5 5.7	175.7	87.2 .6	-852.6 5.8	180.7	56.5 .6	-557.5 5.9
170.8	117.3 .7	-1135.8 5.7	175.8	86.6 .6	-846.7 5.9	180.8	55.8 .7	-551.5 6.0
170.9	116.7 .6	-1130.0 5.8	175.9	86.0 .6	-840.9 5.8	180.9	55.2 .6	-545.6 5.9
171.0	116.1 .6	-1124.3 5.7	176.0	85.4 .6	-835.0 5.9	181.0	54.6 .6	-539.6 6.0
171.1	115.5 .6	-1118.6 5.7	176.1	84.7 .7	-829.2 5.8	181.1	54.0 .6	-533.6 6.0
171.2	114.9 .6	-1112.9 5.7	176.2	84.1 .6	-823.3 5.9	181.2	53.4 .6	-527.6 6.0
171.3	114.3 .6	-1107.1 5.8	176.3	83.5 .6	-817.5 5.8	181.3	52.8 .6	-521.7 5.9
171.4	113.7 .6	-1101.4 5.7	176.4	82.9 .6	-811.6 5.9	181.4	52.2 .6	-515.7 6.0
171.5	113.0 .7	-1095.7 5.7	176.5	82.3 .6	-805.8 5.8	181.5	51.5 .7	-509.7 6.0
171.6	112.4 .6	-1089.9 5.8	176.6	81.7 .6	-799.9 5.9	181.6	50.9 .6	-503.7 6.0
171.7	111.8 .6	-1084.2 5.7	176.7	81.1 .6	-794.0 5.9	181.7	50.3 .6	-497.7 6.0
171.8	111.2 .6	-1078.4 5.8	176.8	80.4 .7	-788.2 5.8	181.8	49.7 .6	-491.7 6.0
171.9	110.6 .6	-1072.7 5.7	176.9	79.8 .6	-782.3 5.9	181.9	49.1 .6	-485.8 5.9
172.0	110.0 .6	-1067.0 5.7	177.0	79.2 .6	-776.4 5.9	182.0	48.5 .6	-479.8 6.0
172.1	109.4 .6	-1061.2 5.8	177.1	78.6 .6	-770.6 5.8	182.1	47.8 .7	-473.8 6.0
172.2	108.7 .7	-1055.5 5.7	177.2	78.0 .6	-764.7 5.9	182.2	47.2 .6	-467.8 6.0
172.3	108.1 .6	-1049.7 5.8	177.3	77.4 .6	-758.8 5.9	182.3	46.6 .6	-461.8 6.0
172.4	107.5 .6	-1043.9 5.8	177.4	76.8 .6	-752.9 5.9	182.4	46.0 .6	-455.8 6.0
172.5	106.9 .6	-1038.2 5.7	177.5	76.1 .7	-747.0 5.9	182.5	45.4 .6	-449.8 6.0
172.6	106.3 .6	-1032.4 5.8	177.6	75.5 .6	-741.1 5.9	182.6	44.8 .6	-443.8 6.0
172.7	105.7 .6	-1026.7 5.7	177.7	74.9 .6	-735.3 5.8	182.7	44.2 .6	-437.8 6.0
172.8	105.0 .7	-1020.9 5.8	177.8	74.3 .6	-729.4 5.9	182.8	43.5 .7	-431.7 6.1
172.9	104.4 .6	-1015.1 5.8	177.9	73.7 .6	-723.5 5.9	182.9	42.9 .6	-425.7 6.0
173.0	103.8 .6	-1009.3 5.8	178.0	73.1 .6	-717.6 5.9	183.0	42.3 .6	-419.7 6.0
173.1	103.2 .6	-1003.6 5.7	178.1	72.4 .7	-711.7 5.9	183.1	41.7 .6	-413.7 6.0
173.2	102.6 .6	-997.8 5.8	178.2	71.8 .6	-705.8 5.9	183.2	41.1 .6	-407.7 6.0
173.3	102.0 .6	-992.0 5.8	178.3	71.2 .6	-699.9 5.9	183.3	40.5 .6	-401.6 6.1
173.4	101.4 .6	-986.2 5.8	178.4	70.6 .6	-694.0 5.9	183.4	39.9 .6	-395.6 6.0
173.5	100.7 .7	-980.4 5.8	178.5	70.0 .6	-688.1 5.9	183.5	39.2 .7	-389.6 6.0
173.6	100.1 .6	-974.7 5.7	178.6	69.4 .6	-682.2 5.9	183.6	38.6 .6	-383.6 6.0
173.7	99.5 .6	-968.9 5.8	178.7	68.8 .6	-676.2 6.0	183.7	38.0 .6	-377.5 6.1
173.8	98.9 .6	-963.1 5.8	178.8	68.1 .7	-670.3 5.9	183.8	37.4 .6	-371.5 6.0
173.9	98.3 .6	-957.3 5.8	178.9	67.5 .6	-664.4 5.9	183.9	36.8 .6	-365.5 6.0
174.0	97.7 .6	-951.5 5.8	179.0	66.9 .6	-658.5 5.9	184.0	36.2 .6	-359.4 6.1
174.1	97.0 .7	-945.7 5.8	179.1	66.3 .6	-652.6 5.9	184.1	35.5 .7	-353.4 6.0
174.2	96.4 .6	-939.9 5.8	179.2	65.7 .6	-646.6 6.0	184.2	34.9 .6	-347.3 6.1
174.3	95.8 .6	-934.1 5.8	179.3	65.1 .6	-640.7 5.9	184.3	34.3 .6	-341.3 6.0
174.4	95.2 .6	-928.3 5.8	179.4	64.5 .6	-634.8 5.9	184.4	33.7 .6	-335.2 6.1
174.5	94.6 .6	-922.5 5.8	179.5	63.8 .7	-628.9 5.9	184.5	33.1 .6	-329.2 6.0
174.6	94.0 .6	-916.7 5.8	179.6	63.2 .6	-622.9 6.0	184.6	32.5 .6	-323.1 6.1
174.7	93.4 .6	-910.8 5.9	179.7	62.6 .6	-617.0 5.9	184.7	31.9 .6	-317.1 6.0
174.8	92.7 .7	-905.0 5.8	179.8	62.0 .6	-611.0 6.0	184.8	31.2 .7	-311.0 6.1
174.9	92.1 .6	-899.2 5.8	179.9	61.4 .6	-605.1 5.9	184.9	30.6 .6	-304.9 6.1
175.0	91.5-.6	-893.4 +5.8	180.0	60.8-.6	-599.2 +5.9	185.0	30.0-.6	-298.9 +6.0

185.0 - 200.0

R28	X28	Z28	R28	X28	Z28	R28	X28	Z28
185.0	30.0-.0	-298.9 + .0	190.0	-.7-.6	7.3 + 6.1	195.0	-31.5-.6	319.4 + 6.3
185.1	29.4 .6	-292.8 6.1	190.1	-1.3 .6	13.5 6.2	195.1	-32.1 .6	325.7 6.3
185.2	28.8 .6	-286.7 6.1	190.2	-2.0 .7	19.7 6.2	195.2	-32.7 .6	332.0 6.3
185.3	28.2 .6	-280.7 6.0	190.3	-2.6 .6	25.9 6.2	195.3	-33.3 .6	338.3 6.3
185.4	27.6 .6	-274.6 6.1	190.4	-3.2 .6	32.1 6.2	195.4	-34.0 .7	344.6 6.3
185.5	26.9 .7	-268.5 6.1	190.5	-3.8 .6	38.3 6.2	195.5	-34.6 .6	350.9 6.3
185.6	26.3 .6	-262.4 6.1	190.6	-4.4 .6	44.5 6.2	195.6	-35.2 .6	357.2 6.3
185.7	25.7 .6	-256.4 6.0	190.7	-5.0 .6	50.7 6.2	195.7	-35.8 .6	363.6 6.4
185.8	25.1 .6	-250.3 6.1	190.8	-5.7 .7	56.9 6.2	195.8	-36.4 .6	369.9 6.3
185.9	24.5 .6	-244.2 6.1	190.9	-6.3 .6	63.1 6.2	195.9	-37.0 .6	376.2 6.3
186.0	23.9 .6	-238.1 6.1	191.0	-6.9 .6	69.3 6.2	196.0	-37.6 .6	382.5 6.3
186.1	23.2 .7	-232.0 6.1	191.1	-7.5 .6	75.5 6.2	196.1	-38.3 .7	388.8 6.3
186.2	22.6 .6	-225.9 6.1	191.2	-8.1 .6	81.7 6.2	196.2	-38.9 .6	395.2 6.4
186.3	22.0 .6	-219.8 6.1	191.3	-8.7 .6	87.9 6.2	196.3	-39.5 .6	401.5 6.3
186.4	21.4 .6	-213.7 6.1	191.4	-9.3 .6	94.1 6.2	196.4	-40.1 .6	407.8 6.3
186.5	20.8 .6	-207.6 6.1	191.5	-10.0 .7	100.4 6.3	196.5	-40.7 .6	414.1 6.3
186.6	20.2 .6	-201.5 6.1	191.6	-10.6 .6	106.6 6.2	196.6	-41.3 .6	420.5 6.4
186.7	19.6 .6	-195.4 6.1	191.7	-11.2 .6	112.8 6.2	196.7	-41.9 .6	426.8 6.3
186.8	18.9 .7	-189.3 6.1	191.8	-11.8 .6	119.0 6.2	196.8	-42.6 .7	433.1 6.3
186.9	18.3 .6	-183.2 6.1	191.9	-12.4 .6	125.2 6.2	196.9	-43.2 .6	439.5 6.4
187.0	17.7 .6	-177.1 6.1	192.0	-13.0 .6	131.5 6.3	197.0	-43.8 .6	445.8 6.3
187.1	17.1 .6	-171.0 6.1	192.1	-13.7 .7	137.7 6.2	197.1	-44.4 .6	452.2 6.4
187.2	16.5 .6	-164.9 6.1	192.2	-14.3 .6	143.9 6.2	197.2	-45.0 .6	458.5 6.3
187.3	15.9 .6	-158.7 6.2	192.3	-14.9 .6	150.2 6.3	197.3	-45.6 .6	464.9 6.4
187.4	15.3 .6	-152.6 6.1	192.4	-15.5 .6	156.4 6.2	197.4	-46.3 .7	471.2 6.3
187.5	14.6 .7	-146.5 6.1	192.5	-16.1 .6	162.7 6.3	197.5	-46.9 .6	477.6 6.4
187.6	14.0 .6	-140.4 6.1	192.6	-16.7 .6	168.9 6.2	197.6	-47.5 .6	483.9 6.3
187.7	13.4 .6	-134.2 6.2	192.7	-17.3 .6	175.1 6.2	197.7	-48.1 .6	490.3 6.4
187.8	12.8 .6	-128.1 6.1	192.8	-18.0 .7	181.4 6.3	197.8	-48.7 .6	496.7 6.4
187.9	12.2 .6	-122.0 6.1	192.9	-18.6 .6	187.6 6.2	197.9	-49.3 .6	503.0 6.3
188.0	11.6 .6	-115.8 6.2	193.0	-19.2 .6	193.9 6.3	198.0	-49.9 .6	509.4 6.4
188.1	11.0 .6	-109.7 6.1	193.1	-19.8 .6	200.1 6.2	198.1	-50.6 .7	515.8 6.4
188.2	10.3 .7	-103.6 6.1	193.2	-20.4 .6	206.4 6.3	198.2	-51.2 .6	522.1 6.3
188.3	9.7 .6	-97.4 6.2	193.3	-21.0 .6	212.7 6.3	198.3	-51.8 .6	528.5 6.4
188.4	9.1 .6	-91.3 6.1	193.4	-21.6 .6	218.9 6.2	198.4	-52.4 .6	534.9 6.4
188.5	8.5 .6	-85.1 6.2	193.5	-22.3 .7	225.2 6.3	198.5	-53.0 .6	541.3 6.4
188.6	7.9 .6	-79.0 6.1	193.6	-22.9 .6	231.4 6.2	198.6	-53.6 .6	547.6 6.3
188.7	7.3 .6	-72.8 6.2	193.7	-23.5 .6	237.7 6.3	198.7	-54.3 .7	554.0 6.4
188.8	6.6 .7	-66.7 6.1	193.8	-24.1 .6	244.0 6.3	198.8	-54.9 .6	560.4 6.4
188.9	6.0 .6	-60.5 6.2	193.9	-24.7 .6	250.3 6.3	198.9	-55.5 .6	566.8 6.4
189.0	5.4 .6	-54.4 6.1	194.0	-25.3 .6	256.5 6.2	199.0	-56.1 .6	573.2 6.4
189.1	4.8 .6	-48.2 6.2	194.1	-26.0 .7	262.8 6.3	199.1	-56.7 .6	579.6 6.4
189.2	4.2 .6	-42.0 6.2	194.2	-26.6 .6	269.1 6.3	199.2	-57.3 .6	586.0 6.4
189.3	3.6 .6	-35.9 6.1	194.3	-27.2 .6	275.4 6.3	199.3	-57.9 .6	592.3 6.3
189.4	3.0 .6	-29.7 6.2	194.4	-27.8 .6	281.7 6.3	199.4	-58.6 .7	598.7 6.4
189.5	2.3 .7	-23.5 6.2	194.5	-28.4 .6	287.9 6.2	199.5	-59.2 .6	605.1 6.4
189.6	1.7 .6	-17.4 6.1	194.6	-29.0 .6	294.2 6.3	199.6	-59.8 .6	611.5 6.4
189.7	1.1 .6	-11.2 6.2	194.7	-29.6 .6	300.5 6.3	199.7	-60.4 .6	618.0 6.5
189.8	.5 .6	-5.0 6.2	194.8	-30.3 .7	306.8 6.3	199.8	-61.0 .6	624.4 6.4
189.9	-.1 .6	1.2 6.2	194.9	-30.9 .6	313.1 6.3	199.9	-61.6 .6	630.8 6.4
190.0	-.7-.6	7.3 + 6.1	195.0	-31.5-.6	319.4 + 6.3	200.0	-62.3-.7	637.2 + 6.4

200.0 - 215.0

R28	X28	Z28	R28	X28	Z28	R28	X28	Z28
200.0	-62.3-.0	637.2 + .0	205.0	-93.0-.6	960.6 + 6.6	210.0	-123.8-.6	1289.4 + 6.6
200.1	-62.9 .6	643.6 6.4	205.1	-93.7 .7	967.1 6.5	210.1	-124.4 .6	1296.1 6.7
200.2	-63.5 .6	650.0 6.4	205.2	-94.3 .6	973.6 6.5	210.2	-125.1 .7	1302.7 6.6
200.3	-64.1 .6	656.4 6.4	205.3	-94.9 .6	980.1 6.5	210.3	-125.7 .6	1309.3 6.6
200.4	-64.7 .6	662.8 6.4	205.4	-95.5 .6	986.7 6.6	210.4	-126.3 .6	1316.0 6.7
200.5	-65.3 .6	669.3 6.5	205.5	-96.1 .6	993.2 6.5	210.5	-126.9 .6	1322.6 6.6
200.6	-65.9 .6	675.7 6.4	205.6	-96.7 .6	999.7 6.5	210.6	-127.5 .6	1329.3 6.7
200.7	-66.6 .7	682.1 6.4	205.7	-97.3 .6	1006.3 6.6	210.7	-128.1 .6	1335.9 6.6
200.8	-67.2 .6	688.5 6.4	205.8	-98.0 .7	1012.8 6.5	210.8	-128.8 .7	1342.5 6.6
200.9	-67.8 .6	695.0 6.5	205.9	-98.6 .6	1019.4 6.6	210.9	-129.4 .6	1349.2 6.7
201.0	-68.4 .6	701.4 6.4	206.0	-99.2 .6	1025.9 6.5	211.0	-130.0 .6	1355.8 6.6
201.1	-69.0 .6	707.8 6.4	206.1	-99.8 .6	1032.4 6.5	211.1	-130.6 .6	1362.5 6.7
201.2	-69.6 .6	714.3 6.5	206.2	-100.4 .6	1039.0 6.6	211.2	-131.2 .6	1369.2 6.7
201.3	-70.3 .7	720.7 6.4	206.3	-101.0 .6	1045.5 6.5	211.3	-131.8 .6	1375.8 6.6
201.4	-70.9 .6	727.2 6.5	206.4	-101.7 .7	1052.1 6.6	211.4	-132.5 .7	1382.5 6.7
201.5	-71.5 .6	733.6 6.4	206.5	-102.3 .6	1058.6 6.5	211.5	-133.1 .6	1389.1 6.6
201.6	-72.1 .6	740.1 6.5	206.6	-102.9 .6	1065.2 6.6	211.6	-133.7 .6	1395.8 6.7
201.7	-72.7 .6	746.5 6.4	206.7	-103.5 .6	1071.8 6.6	211.7	-134.3 .6	1402.5 6.7
201.8	-73.3 .6	753.0 6.5	206.8	-104.1 .6	1078.3 6.5	211.8	-134.9 .6	1409.1 6.6
201.9	-73.9 .6	759.4 6.4	206.9	-104.7 .6	1084.9 6.6	211.9	-135.5 .6	1415.8 6.7
202.0	-74.6 .7	765.9 6.5	207.0	-105.4 .7	1091.5 6.6	212.0	-136.2 .7	1422.5 6.7
202.1	-75.2 .6	772.3 6.4	207.1	-106.0 .6	1098.0 6.5	212.1	-136.8 .6	1429.2 6.7
202.2	-75.8 .6	778.8 6.5	207.2	-106.6 .6	1104.6 6.6	212.2	-137.4 .6	1435.8 6.6
202.3	-76.4 .6	785.2 6.4	207.3	-107.2 .6	1111.2 6.6	212.3	-138.0 .6	1442.5 6.7
202.4	-77.0 .6	791.7 6.5	207.4	-107.8 .6	1117.7 6.5	212.4	-138.6 .6	1449.2 6.7
202.5	-77.6 .6	798.2 6.5	207.5	-108.4 .6	1124.3 6.6	212.5	-139.2 .6	1455.9 6.7
202.6	-78.3 .7	804.6 6.4	207.6	-109.0 .6	1130.9 6.6	212.6	-139.9 .7	1462.6 6.7
202.7	-78.9 .6	811.1 6.5	207.7	-109.7 .7	1137.5 6.6	212.7	-140.5 .6	1469.3 6.7
202.8	-79.5 .6	817.6 6.5	207.8	-110.3 .6	1144.1 6.6	212.8	-141.1 .6	1475.9 6.6
202.9	-80.1 .6	824.1 6.5	207.9	-110.9 .6	1150.6 6.5	212.9	-141.7 .6	1482.6 6.7
203.0	-80.7 .6	830.5 6.4	208.0	-111.5 .6	1157.2 6.6	213.0	-142.3 .6	1489.3 6.7
203.1	-81.3 .6	837.0 6.5	208.1	-112.1 .6	1163.8 6.6	213.1	-142.9 .6	1496.0 6.7
203.2	-82.0 .7	843.5 6.5	208.2	-112.7 .6	1170.4 6.6	213.2	-143.6 .7	1502.7 6.7
203.3	-82.6 .6	850.0 6.5	208.3	-113.4 .7	1177.0 6.6	213.3	-144.2 .6	1509.4 6.7
203.4	-83.2 .6	856.5 6.5	208.4	-114.0 .6	1183.6 6.6	213.4	-144.8 .6	1516.1 6.7
203.5	-83.8 .6	863.0 6.5	208.5	-114.6 .6	1190.2 6.6	213.5	-145.4 .6	1522.8 6.7
203.6	-84.4 .6	869.5 6.5	208.6	-115.2 .6	1196.8 6.6	213.6	-146.0 .6	1529.5 6.7
203.7	-85.0 .6	875.9 6.4	208.7	-115.8 .6	1203.4 6.6	213.7	-146.6 .6	1536.3 6.8
203.8	-85.6 .6	882.4 6.5	208.8	-116.4 .6	1210.0 6.6	213.8	-147.3 .7	1543.0 6.7
203.9	-86.3 .7	888.9 6.5	208.9	-117.1 .7	1216.6 6.6	213.9	-147.9 .6	1549.7 6.7
204.0	-86.9 .6	895.4 6.5	209.0	-117.7 .6	1223.2 6.6	214.0	-148.5 .6	1556.4 6.7
204.1	-87.5 .6	901.9 6.5	209.1	-118.3 .6	1229.8 6.6	214.1	-149.1 .6	1563.1 6.7
204.2	-88.1 .6	908.4 6.5	209.2	-118.9 .6	1236.4 6.6	214.2	-149.7 .6	1569.8 6.7
204.3	-88.7 .6	915.0 6.6	209.3	-119.5 .6	1243.1 6.7	214.3	-150.3 .6	1576.6 6.8
204.4	-89.3 .6	921.5 6.5	209.4	-120.1 .6	1249.7 6.6	214.4	-151.0 .7	1583.3 6.7
204.5	-90.0 .7	928.0 6.5	209.5	-120.8 .7	1256.3 6.6	214.5	-151.6 .6	1590.0 6.7
204.6	-90.6 .6	934.5 6.5	209.6	-121.4 .6	1262.9 6.6	214.6	-152.2 .6	1596.7 6.7
204.7	-91.2 .6	941.0 6.5	209.7	-122.0 .6	1269.5 6.6	214.7	-152.8 .6	1603.5 6.8
204.8	-91.8 .6	947.5 6.5	209.8	-122.6 .6	1276.2 6.7	214.8	-153.4 .6	1610.2 6.7
204.9	-92.4 .6	954.0 6.5	209.9	-123.2 .6	1282.8 6.6	214.9	-154.0 .6	1616.9 6.7
205.0	-93.0-.6	960.6 + 6.6	210.0	-123.8-.6	1289.4 + 6.6	215.0	-154.7-.7	1623.7 + 6.8

			215.0 - 230.0					
R28	X28	Z28	R28	X28	Z28	R28	X28	Z28
215.0	-154.7-.0	1623.7+.0	220.0	-185.5-.6	1963.2+.6.9	225.0	-216.4-.6	2307.8+.6.9
215.1	-155.3.6	1630.4 6.7	220.1	-186.1.6	1970.0 6.8	225.1	-217.0.6	2314.8 7.0
215.2	-155.9.6	1637.2 6.8	220.2	-186.7.6	1976.9 6.9	225.2	-217.6.6	2321.7 6.9
215.3	-156.5.6	1643.9 6.7	220.3	-187.4.7	1983.7 6.8	225.3	-218.2.6	2328.7 7.0
215.4	-157.1.6	1650.6 6.7	220.4	-188.0.6	1990.6 6.9	225.4	-218.9.7	2335.6 6.9
215.5	-157.7.6	1657.4 6.8	220.5	-188.6.6	1997.4 6.8	225.5	-219.5.6	2342.6 7.0
215.6	-158.4.7	1664.1 6.7	220.6	-189.2.6	2004.3 6.9	225.6	-220.1.6	2349.5 6.9
215.7	-159.0.6	1670.9 6.8	220.7	-189.8.6	2011.1 6.8	225.7	-220.7.6	2356.5 7.0
215.8	-159.6.6	1677.6 6.7	220.8	-190.4.6	2018.0 6.9	225.8	-221.3.6	2363.5 7.0
215.9	-160.2.6	1684.4 6.8	220.9	-191.1.7	2024.8 6.8	225.9	-221.9.6	2370.4 6.9
216.0	-160.8.6	1691.2 6.8	221.0	-191.7.6	2031.7 6.9	226.0	-222.6.7	2377.4 7.0
216.1	-161.4.6	1697.9 6.7	221.1	-192.3.6	2038.6 6.9	226.1	-223.2.6	2384.3 6.9
216.2	-162.1.7	1704.7 6.8	221.2	-192.9.6	2045.4 6.8	226.2	-223.8.6	2391.3 7.0
216.3	-162.7.6	1711.4 6.7	221.3	-193.5.6	2052.3 6.9	226.3	-224.4.6	2398.3 7.0
216.4	-163.3.6	1718.2 6.8	221.4	-194.1.6	2059.2 6.9	226.4	-225.0.6	2405.3 7.0
216.5	-163.9.6	1725.0 6.8	221.5	-194.8.7	2066.0 6.8	226.5	-225.7.7	2412.2 6.9
216.6	-164.5.6	1731.7 6.7	221.6	-195.4.6	2072.9 6.9	226.6	-226.3.6	2419.2 7.0
216.7	-165.1.6	1738.5 6.8	221.7	-196.0.6	2079.8 6.9	226.7	-226.9.6	2426.2 7.0
216.8	-165.8.7	1745.3 6.8	221.8	-196.6.6	2086.7 6.9	226.8	-227.5.6	2433.2 7.0
216.9	-166.4.6	1752.1 6.8	221.9	-197.2.6	2093.6 6.9	226.9	-228.1.6	2440.1 6.9
217.0	-167.0.6	1758.9 6.8	222.0	-197.9.7	2100.4 6.8	227.0	-228.7.6	2447.1 7.0
217.1	-167.6.6	1765.6 6.7	222.1	-198.5.6	2107.3 6.9	227.1	-229.4.7	2454.1 7.0
217.2	-168.2.6	1772.4 6.8	222.2	-199.1.6	2114.2 6.9	227.2	-230.0.6	2461.1 7.0
217.3	-168.8.6	1779.2 6.8	222.3	-199.7.6	2121.1 6.9	227.3	-230.6.6	2468.1 7.0
217.4	-169.5.7	1786.0 6.8	222.4	-200.3.6	2128.0 6.9	227.4	-231.2.6	2475.1 7.0
217.5	-170.1.6	1792.8 6.8	222.5	-200.9.6	2134.9 6.9	227.5	-231.8.6	2482.1 7.0
217.6	-170.7.6	1799.6 6.8	222.6	-201.6.7	2141.8 6.9	227.6	-232.5.7	2489.1 7.0
217.7	-171.3.6	1806.4 6.8	222.7	-202.2.6	2148.7 6.9	227.7	-233.1.6	2496.1 7.0
217.8	-171.9.6	1813.2 6.8	222.8	-202.8.6	2155.6 6.9	227.8	-233.7.6	2503.1 7.0
217.9	-172.5.6	1820.0 6.8	222.9	-203.4.6	2162.5 6.9	227.9	-234.3.6	2510.1 7.0
218.0	-173.2.7	1826.8 6.8	223.0	-204.0.6	2169.4 6.9	228.0	-234.9.6	2517.1 7.0
218.1	-173.8.6	1833.6 6.8	223.1	-204.6.6	2176.3 6.9	228.1	-235.5.6	2524.1 7.0
218.2	-174.4.6	1840.4 6.8	223.2	-205.3.7	2183.2 6.9	228.2	-236.2.7	2531.1 7.0
218.3	-175.0.6	1847.2 6.8	223.3	-205.9.6	2190.1 6.9	228.3	-236.8.6	2538.1 7.0
218.4	-175.6.6	1854.0 6.8	223.4	-206.5.6	2197.0 6.9	228.4	-237.4.6	2545.1 7.0
218.5	-176.2.6	1860.8 6.8	223.5	-207.1.6	2203.9 6.9	228.5	-238.0.6	2552.1 7.0
218.6	-176.9.7	1867.6 6.8	223.6	-207.7.6	2210.8 6.9	228.6	-238.6.6	2559.1 7.0
218.7	-177.5.6	1874.4 6.8	223.7	-208.4.7	2217.7 6.9	228.7	-239.3.7	2566.1 7.0
218.8	-178.1.6	1881.2 6.8	223.8	-209.0.6	2224.7 7.0	228.8	-239.9.6	2573.2 7.1
218.9	-178.7.6	1888.0 6.8	223.9	-209.6.6	2231.6 6.9	228.9	-240.5.6	2580.2 7.0
219.0	-179.3.6	1894.9 6.9	224.0	-210.2.6	2238.5 6.9	229.0	-241.1.6	2587.2 7.0
219.1	-179.9.6	1901.7 6.8	224.1	-210.8.6	2245.4 6.9	229.1	-241.7.6	2594.2 7.0
219.2	-180.6.7	1908.5 6.8	224.2	-211.4.6	2252.4 7.0	229.2	-242.3.6	2601.3 7.1
219.3	-181.2.6	1915.3 6.8	224.3	-212.1.7	2259.3 6.9	229.3	-243.0.7	2608.3 7.0
219.4	-181.8.6	1922.2 6.9	224.4	-212.7.6	2266.2 6.9	229.4	-243.6.6	2615.3 7.0
219.5	-182.4.6	1929.0 6.8	224.5	-213.3.6	2273.1 6.9	229.5	-244.2.6	2622.3 7.0
219.6	-183.0.6	1935.8 6.8	224.6	-213.9.6	2280.1 7.0	229.6	-244.8.6	2629.4 7.1
219.7	-183.7.7	1942.7 6.9	224.7	-214.5.6	2287.0 6.9	229.7	-245.4.6	2636.4 7.0
219.8	-184.3.6	1949.5 6.8	224.8	-215.1.6	2294.0 7.0	229.8	-246.1.7	2643.5 7.1
219.9	-184.9.6	1956.3 6.8	224.9	-215.8.7	2300.9 6.9	229.9	-246.7.6	2650.5 7.0
220.0	-185.5-.6	1963.2+.6.9	225.0	-216.4-.6	2307.8+.6.9	230.0	-247.3-.6	2657.5+.7.0

			230.0 - 245.0					
R28	X28	Z28	R28	X28	Z28	R28	X28	Z28
230.0	-247.3-.0	2657.5 + .0	235.0	-278.3-.7	3012.2 + 7.2	240.0	-309.3-.7	3371.6 + 7.2
230.1	-247.9 .6	2664.6 7.1	235.1	-278.9 .6	3019.3 7.1	240.1	-309.9 .6	3378.8 7.2
230.2	-248.5 .6	2671.6 7.0	235.2	-279.5 .6	3026.4 7.1	240.2	-310.5 .6	3386.1 7.3
230.3	-249.2 .7	2678.7 7.1	235.3	-280.1 .6	3033.6 7.2	240.3	-311.1 .6	3393.3 7.2
230.4	-249.8 .6	2685.7 7.0	235.4	-280.7 .6	3040.7 7.1	240.4	-311.7 .6	3400.6 7.3
230.5	-250.4 .6	2692.8 7.1	235.5	-281.4 .7	3047.9 7.2	240.5	-312.4 .7	3407.8 7.2
230.6	-251.0 .6	2699.8 7.0	235.6	-282.0 .6	3055.0 7.1	240.6	-313.0 .6	3415.0 7.2
230.7	-251.6 .6	2706.9 7.1	235.7	-282.6 .6	3062.2 7.2	240.7	-313.6 .6	3422.3 7.3
230.8	-252.2 .6	2714.0 7.1	235.8	-283.2 .6	3069.4 7.2	240.8	-314.2 .6	3429.5 7.2
230.9	-252.9 .7	2721.0 7.0	235.9	-283.8 .6	3076.5 7.1	240.9	-314.8 .6	3436.8 7.3
231.0	-253.5 .6	2728.1 7.1	236.0	-284.4 .6	3083.7 7.2	241.0	-315.5 .7	3444.0 7.2
231.1	-254.1 .6	2735.1 7.0	236.1	-285.1 .7	3090.8 7.1	241.1	-316.1 .6	3451.3 7.3
231.2	-254.7 .6	2742.2 7.1	236.2	-285.7 .6	3098.0 7.2	241.2	-316.7 .6	3458.6 7.3
231.3	-255.3 .6	2749.3 7.1	236.3	-286.3 .6	3105.2 7.2	241.3	-317.3 .6	3465.8 7.2
231.4	-256.0 .7	2756.3 7.0	236.4	-286.9 .6	3112.3 7.1	241.4	-317.9 .6	3473.1 7.3
231.5	-256.6 .6	2763.4 7.1	236.5	-287.5 .6	3119.5 7.2	241.5	-318.6 .7	3480.3 7.2
231.6	-257.2 .6	2770.5 7.1	236.6	-288.2 .7	3126.7 7.2	241.6	-319.2 .6	3487.6 7.3
231.7	-257.8 .6	2777.6 7.1	236.7	-288.8 .6	3133.8 7.1	241.7	-319.8 .6	3494.9 7.3
231.8	-258.4 .6	2784.6 7.0	236.8	-289.4 .6	3141.0 7.2	241.8	-320.4 .6	3502.1 7.2
231.9	-259.1 .7	2791.7 7.1	236.9	-290.0 .6	3148.2 7.2	241.9	-321.0 .6	3509.4 7.3
232.0	-259.7 .6	2798.8 7.1	237.0	-290.6 .6	3155.4 7.2	242.0	-321.7 .7	3516.7 7.3
232.1	-260.3 .6	2805.9 7.1	237.1	-291.3 .7	3162.5 7.1	242.1	-322.3 .6	3524.0 7.3
232.2	-260.9 .6	2813.0 7.1	237.2	-291.9 .6	3169.7 7.2	242.2	-322.9 .6	3531.2 7.2
232.3	-261.5 .6	2820.1 7.1	237.3	-292.5 .6	3176.9 7.2	242.3	-323.5 .6	3538.5 7.3
232.4	-262.2 .7	2827.2 7.1	237.4	-293.1 .6	3184.1 7.2	242.4	-324.2 .7	3545.8 7.3
232.5	-262.8 .6	2834.2 7.0	237.5	-293.7 .6	3191.3 7.2	242.5	-324.8 .6	3553.1 7.3
232.6	-263.4 .6	2841.3 7.1	237.6	-294.4 .7	3198.5 7.2	242.6	-325.4 .6	3560.4 7.3
232.7	-264.0 .6	2848.4 7.1	237.7	-295.0 .6	3205.7 7.2	242.7	-326.0 .6	3567.6 7.2
232.8	-264.6 .6	2855.5 7.1	237.8	-295.6 .6	3212.9 7.2	242.8	-326.6 .6	3574.9 7.3
232.9	-265.2 .6	2862.6 7.1	237.9	-296.2 .6	3220.1 7.2	242.9	-327.3 .7	3582.2 7.3
233.0	-265.9 .7	2869.7 7.1	238.0	-296.8 .6	3227.3 7.2	243.0	-327.9 .6	3589.5 7.3
233.1	-266.5 .6	2876.8 7.1	238.1	-297.5 .7	3234.5 7.2	243.1	-328.5 .6	3596.8 7.3
233.2	-267.1 .6	2883.9 7.1	238.2	-298.1 .6	3241.7 7.2	243.2	-329.1 .6	3604.1 7.3
233.3	-267.7 .6	2891.0 7.1	238.3	-298.7 .6	3248.9 7.2	243.3	-329.7 .6	3611.4 7.3
233.4	-268.3 .6	2898.2 7.2	238.4	-299.3 .6	3256.1 7.2	243.4	-330.4 .7	3618.7 7.3
233.5	-269.0 .7	2905.3 7.1	238.5	-299.9 .6	3263.3 7.2	243.5	-331.0 .6	3626.0 7.3
233.6	-269.6 .6	2912.4 7.1	238.6	-300.6 .7	3270.5 7.2	243.6	-331.6 .6	3633.3 7.3
233.7	-270.2 .6	2919.5 7.1	238.7	-301.2 .6	3277.7 7.2	243.7	-332.2 .6	3640.6 7.3
233.8	-270.8 .6	2926.6 7.1	238.8	-301.8 .6	3284.9 7.2	243.8	-332.8 .6	3647.9 7.3
233.9	-271.4 .6	2933.7 7.1	238.9	-302.4 .6	3292.1 7.2	243.9	-333.5 .7	3655.2 7.3
234.0	-272.1 .7	2940.9 7.2	239.0	-303.0 .6	3299.3 7.2	244.0	-334.1 .6	3662.5 7.3
234.1	-272.7 .6	2948.0 7.1	239.1	-303.7 .7	3306.5 7.2	244.1	-334.7 .6	3669.8 7.3
234.2	-273.3 .6	2955.1 7.1	239.2	-304.3 .6	3313.8 7.3	244.2	-335.3 .6	3677.2 7.4
234.3	-273.9 .6	2962.2 7.1	239.3	-304.9 .6	3321.0 7.2	244.3	-336.0 .7	3684.5 7.3
234.4	-274.5 .6	2969.4 7.2	239.4	-305.5 .6	3328.2 7.2	244.4	-336.6 .6	3691.8 7.3
234.5	-275.2 .7	2976.5 7.1	239.5	-306.2 .7	3335.4 7.2	244.5	-337.2 .6	3699.1 7.3
234.6	-275.8 .6	2983.6 7.1	239.6	-306.8 .6	3342.7 7.3	244.6	-337.8 .6	3706.4 7.3
234.7	-276.4 .6	2990.7 7.1	239.7	-307.4 .6	3349.9 7.2	244.7	-338.4 .6	3713.7 7.3
234.8	-277.0 .6	2997.9 7.2	239.8	-308.0 .6	3357.1 7.2	244.8	-339.1 .7	3721.1 7.4
234.9	-277.6 .6	3005.0 7.1	239.9	-308.6 .6	3364.4 7.3	244.9	-339.7 .6	3728.4 7.3
235.0	-278.3-.7	3012.2 + 7.2	240.0	-309.3-.7	3371.6 + 7.2	245.0	-340.3-.6	3735.7 + 7.3

			245.0 - 260.0					
R28	X28	Z28	R28	X28	Z28	R28	X28	Z28
245.0	-340.3-.0	3735.7 + .0	250.0	-371.4-.6	4104.4 + 7.4	255.0	-402.6-.7	4477.6 + 7.5
245.1	-340.9 .6	3743.1 7.4	250.1	-372.0 .6	4111.9 7.5	255.1	-403.2 .6	4485.1 7.5
245.2	-341.5 .6	3750.4 7.3	250.2	-372.6 .6	4119.3 7.4	255.2	-403.8 .6	4492.6 7.5
245.3	-342.2 .7	3757.7 7.3	250.3	-373.3 .7	4126.7 7.4	255.3	-404.4 .6	4500.1 7.5
245.4	-342.8 .6	3765.1 7.4	250.4	-373.9 .6	4134.1 7.4	255.4	-405.1 .7	4507.7 7.6
245.5	-343.4 .6	3772.4 7.3	250.5	-374.5 .6	4141.6 7.5	255.5	-405.7 .6	4515.2 7.5
245.6	-344.0 .6	3779.7 7.3	250.6	-375.1 .6	4149.0 7.4	255.6	-406.3 .6	4522.7 7.5
245.7	-344.7 .7	3787.1 7.4	250.7	-375.8 .7	4156.4 7.4	255.7	-406.9 .6	4530.2 7.5
245.8	-345.3 .6	3794.4 7.3	250.8	-376.4 .6	4163.8 7.4	255.8	-407.6 .7	4537.7 7.5
245.9	-345.9 .6	3801.8 7.4	250.9	-377.0 .6	4171.3 7.5	255.9	-408.2 .6	4545.3 7.6
246.0	-346.5 .6	3809.1 7.3	251.0	-377.6 .6	4178.7 7.4	256.0	-408.8 .6	4552.8 7.5
246.1	-347.1 .6	3816.4 7.3	251.1	-378.3 .7	4186.2 7.5	256.1	-409.4 .6	4560.3 7.5
246.2	-347.8 .7	3823.8 7.4	251.2	-378.9 .6	4193.6 7.4	256.2	-410.0 .6	4567.8 7.5
246.3	-348.4 .6	3831.2 7.4	251.3	-379.5 .6	4201.0 7.4	256.3	-410.7 .7	4575.4 7.6
246.4	-349.0 .6	3838.5 7.3	251.4	-380.1 .6	4208.5 7.5	256.4	-411.3 .6	4582.9 7.5
246.5	-349.6 .6	3845.9 7.4	251.5	-380.7 .6	4215.9 7.4	256.5	-411.9 .6	4590.4 7.5
246.6	-350.2 .6	3853.2 7.3	251.6	-381.4 .7	4223.4 7.5	256.6	-412.5 .6	4598.0 7.6
246.7	-350.9 .7	3860.6 7.4	251.7	-382.0 .6	4230.8 7.4	256.7	-413.2 .7	4605.5 7.5
246.8	-351.5 .6	3867.9 7.3	251.8	-382.6 .6	4238.3 7.5	256.8	-413.8 .6	4613.0 7.5
246.9	-352.1 .6	3875.3 7.4	251.9	-383.2 .6	4245.7 7.4	256.9	-414.4 .6	4620.6 7.6
247.0	-352.7 .6	3882.7 7.4	252.0	-383.9 .7	4253.2 7.5	257.0	-415.0 .6	4628.1 7.5
247.1	-353.4 .7	3890.0 7.3	252.1	-384.5 .6	4260.6 7.4	257.1	-415.7 .7	4635.7 7.6
247.2	-354.0 .6	3897.4 7.4	252.2	-385.1 .6	4268.1 7.5	257.2	-416.3 .6	4643.2 7.5
247.3	-354.6 .6	3904.8 7.4	252.3	-385.7 .6	4275.5 7.4	257.3	-416.9 .6	4650.7 7.5
247.4	-355.2 .6	3912.1 7.3	252.4	-386.4 .7	4283.0 7.5	257.4	-417.5 .6	4658.3 7.6
247.5	-355.8 .6	3919.5 7.4	252.5	-387.0 .6	4290.5 7.5	257.5	-418.2 .7	4665.8 7.5
247.6	-356.5 .7	3926.9 7.4	252.6	-387.6 .6	4297.9 7.4	257.6	-418.8 .6	4673.4 7.6
247.7	-357.1 .6	3934.3 7.4	252.7	-388.2 .6	4305.4 7.5	257.7	-419.4 .6	4680.9 7.5
247.8	-357.7 .6	3941.6 7.3	252.8	-388.8 .6	4312.9 7.5	257.8	-420.0 .6	4688.5 7.6
247.9	-358.3 .6	3949.0 7.4	252.9	-389.5 .7	4320.3 7.4	257.9	-420.7 .7	4696.1 7.6
248.0	-359.0 .7	3956.4 7.4	253.0	-390.1 .6	4327.8 7.5	258.0	-421.3 .6	4703.6 7.5
248.1	-359.6 .6	3963.8 7.4	253.1	-390.7 .6	4335.3 7.5	258.1	-421.9 .6	4711.2 7.6
248.2	-360.2 .6	3971.2 7.4	253.2	-391.3 .6	4342.8 7.5	258.2	-422.5 .6	4718.7 7.5
248.3	-360.8 .6	3978.6 7.4	253.3	-392.0 .7	4350.2 7.4	258.3	-423.2 .7	4726.3 7.6
248.4	-361.4 .6	3986.0 7.4	253.4	-392.6 .6	4357.7 7.5	258.4	-423.8 .6	4733.9 7.6
248.5	-362.1 .7	3993.3 7.3	253.5	-393.2 .6	4365.2 7.5	258.5	-424.4 .6	4741.4 7.5
248.6	-362.7 .6	4000.7 7.4	253.6	-393.8 .6	4372.7 7.5	258.6	-425.0 .6	4749.0 7.6
248.7	-363.3 .6	4008.1 7.4	253.7	-394.5 .7	4380.2 7.5	258.7	-425.7 .7	4756.6 7.6
248.8	-363.9 .6	4015.5 7.4	253.8	-395.1 .6	4387.6 7.4	258.8	-426.3 .6	4764.1 7.5
248.9	-364.6 .7	4022.9 7.4	253.9	-395.7 .6	4395.1 7.5	258.9	-426.9 .6	4771.7 7.6
249.0	-365.2 .6	4030.3 7.4	254.0	-396.3 .6	4402.6 7.5	259.0	-427.5 .6	4779.3 7.6
249.1	-365.8 .6	4037.7 7.4	254.1	-396.9 .6	4410.1 7.5	259.1	-428.2 .7	4786.9 7.6
249.2	-366.4 .6	4045.1 7.4	254.2	-397.6 .7	4417.6 7.5	259.2	-428.8 .6	4794.5 7.6
249.3	-367.0 .6	4052.5 7.4	254.3	-398.2 .6	4425.1 7.5	259.3	-429.4 .6	4802.0 7.5
249.4	-367.7 .7	4059.9 7.4	254.4	-398.8 .6	4432.6 7.5	259.4	-430.0 .6	4809.6 7.6
249.5	-368.3 .6	4067.4 7.5	254.5	-399.4 .6	4440.1 7.5	259.5	-430.7 .7	4817.2 7.6
249.6	-368.9 .6	4074.8 7.4	254.6	-400.1 .7	4447.6 7.5	259.6	-431.3 .6	4824.8 7.6
249.7	-369.5 .6	4082.2 7.4	254.7	-400.7 .6	4455.1 7.5	259.7	-431.9 .6	4832.4 7.6
249.8	-370.2 .7	4089.6 7.4	254.8	-401.3 .6	4462.6 7.5	259.8	-432.5 .6	4840.0 7.6
249.9	-370.8 .6	4097.0 7.4	254.9	-401.9 .6	4470.1 7.5	259.9	-433.2 .7	4847.6 7.6
250.0	-371.4-.6	4104.4 + 7.4	255.0	-402.6-.7	4477.6 + 7.5	260.0	-433.8-.6	4855.1 + 7.5

R₂₈ (189.88)

			140.0 - 155.0					
R20	X20	Z20	R20	X20	Z20	R20	X20	Z20
140.0	-23.6+.0	1144.9 - .0	145.0	-19.0+.1	971.6 - 3.6	150.0	-14.6+.1	789.1 - 3.8
140.1	-23.5 .1	1141.5 3.4	145.1	-18.9 .1	968.0 3.6	150.1	-14.5 .1	785.4 3.7
140.2	-23.4 .1	1138.1 3.4	145.2	-18.8 .1	964.5 3.5	150.2	-14.5 .0	781.6 3.8
140.3	-23.3 .1	1134.7 3.4	145.3	-18.7 .1	960.9 3.6	150.3	-14.4 .1	777.9 3.7
140.4	-23.2 .1	1131.3 3.4	145.4	-18.6 .1	957.3 3.6	150.4	-14.3 .1	774.1 3.8
140.5	-23.2 .0	1127.9 3.4	145.5	-18.5 .1	953.8 3.5	150.5	-14.2 .1	770.4 3.7
140.6	-23.1 .1	1124.6 3.3	145.6	-18.5 .0	950.2 3.6	150.6	-14.1 .1	766.6 3.8
140.7	-23.0 .1	1121.2 3.4	145.7	-18.4 .1	946.6 3.6	150.7	-14.0 .1	762.8 3.8
140.8	-22.9 .1	1117.8 3.4	145.8	-18.3 .1	943.0 3.6	150.8	-13.9 .1	759.1 3.7
140.9	-22.8 .1	1114.3 3.5	145.9	-18.2 .1	939.4 3.6	150.9	-13.9 .0	755.3 3.8
141.0	-22.7 .1	1110.9 3.4	146.0	-18.1 .1	935.9 3.5	151.0	-13.8 .1	751.5 3.8
141.1	-22.6 .1	1107.5 3.4	146.1	-18.0 .1	932.3 3.6	151.1	-13.7 .1	747.7 3.8
141.2	-22.5 .1	1104.1 3.4	146.2	-17.9 .1	928.7 3.6	151.2	-13.6 .1	743.9 3.8
141.3	-22.4 .1	1100.7 3.4	146.3	-17.8 .1	925.1 3.6	151.3	-13.5 .1	740.2 3.7
141.4	-22.3 .1	1097.3 3.4	146.4	-17.7 .1	921.4 3.7	151.4	-13.4 .1	736.4 3.8
141.5	-22.2 .1	1093.8 3.5	146.5	-17.7 .0	917.8 3.6	151.5	-13.4 .0	732.6 3.8
141.6	-22.1 .1	1090.4 3.4	146.6	-17.6 .1	914.2 3.6	151.6	-13.3 .1	728.8 3.8
141.7	-22.0 .1	1087.0 3.4	146.7	-17.5 .1	910.6 3.6	151.7	-13.2 .1	725.0 3.8
141.8	-21.9 .1	1083.5 3.5	146.8	-17.4 .1	907.0 3.6	151.8	-13.1 .1	721.2 3.8
141.9	-21.8 .1	1080.1 3.4	146.9	-17.3 .1	903.4 3.6	151.9	-13.0 .1	717.3 3.9
142.0	-21.7 .1	1076.7 3.4	147.0	-17.2 .1	899.7 3.7	152.0	-12.9 .1	713.5 3.8
142.1	-21.7 .0	1073.2 3.5	147.1	-17.1 .1	896.1 3.6	152.1	-12.9 .0	709.7 3.8
142.2	-21.6 .1	1069.7 3.5	147.2	-17.0 .1	892.5 3.6	152.2	-12.8 .1	705.9 3.8
142.3	-21.5 .1	1066.3 3.4	147.3	-17.0 .0	888.8 3.7	152.3	-12.7 .1	702.0 3.9
142.4	-21.4 .1	1062.8 3.5	147.4	-16.9 .1	885.2 3.6	152.4	-12.6 .1	698.2 3.8
142.5	-21.3 .1	1059.4 3.4	147.5	-16.8 .1	881.5 3.7	152.5	-12.5 .1	694.4 3.8
142.6	-21.2 .1	1055.9 3.5	147.6	-16.7 .1	877.9 3.6	152.6	-12.4 .1	690.5 3.9
142.7	-21.1 .1	1052.4 3.5	147.7	-16.6 .1	874.2 3.7	152.7	-12.4 .0	686.7 3.8
142.8	-21.0 .1	1049.0 3.4	147.8	-16.5 .1	870.6 3.6	152.8	-12.3 .1	682.9 3.8
142.9	-20.9 .1	1045.5 3.5	147.9	-16.4 .1	866.9 3.7	152.9	-12.2 .1	679.0 3.9
143.0	-20.8 .1	1042.0 3.5	148.0	-16.3 .1	863.2 3.7	153.0	-12.1 .1	675.1 3.9
143.1	-20.7 .1	1038.5 3.5	148.1	-16.3 .0	859.6 3.6	153.1	-12.0 .1	671.3 3.8
143.2	-20.6 .1	1035.0 3.5	148.2	-16.2 .1	855.9 3.7	153.2	-12.0 .0	667.4 3.9
143.3	-20.5 .1	1031.5 3.5	148.3	-16.1 .1	852.2 3.7	153.3	-11.9 .1	663.6 3.8
143.4	-20.5 .0	1028.0 3.5	148.4	-16.0 .1	848.5 3.7	153.4	-11.8 .1	659.7 3.9
143.5	-20.4 .1	1024.5 3.5	148.5	-15.9 .1	844.9 3.6	153.5	-11.7 .1	655.8 3.9
143.6	-20.3 .1	1021.0 3.5	148.6	-15.8 .1	841.2 3.7	153.6	-11.6 .1	651.9 3.9
143.7	-20.2 .1	1017.5 3.5	148.7	-15.7 .1	837.5 3.7	153.7	-11.5 .1	648.1 3.8
143.8	-20.1 .1	1014.0 3.5	148.8	-15.7 .0	833.8 3.7	153.8	-11.5 .0	644.2 3.9
143.9	-20.0 .1	1010.5 3.5	148.9	-15.6 .1	830.1 3.7	153.9	-11.4 .1	640.3 3.9
144.0	-19.9 .1	1007.0 3.5	149.0	-15.5 .1	826.4 3.7	154.0	-11.3 .1	636.4 3.9
144.1	-19.8 .1	1003.5 3.5	149.1	-15.4 .1	822.7 3.7	154.1	-11.2 .1	632.5 3.9
144.2	-19.7 .1	999.9 3.6	149.2	-15.3 .1	819.0 3.7	154.2	-11.1 .1	628.6 3.9
144.3	-19.6 .1	996.4 3.5	149.3	-15.2 .1	815.2 3.8	154.3	-11.1 .0	624.7 3.9
144.4	-19.5 .1	992.9 3.5	149.4	-15.1 .1	811.5 3.7	154.4	-11.0 .1	620.8 3.9
144.5	-19.4 .1	989.3 3.6	149.5	-15.1 .0	807.8 3.7	154.5	-10.9 .1	616.9 3.9
144.6	-19.4 .0	985.8 3.5	149.6	-15.0 .1	804.1 3.7	154.6	-10.8 .1	613.0 3.9
144.7	-19.3 .1	982.3 3.5	149.7	-14.9 .1	800.3 3.8	154.7	-10.7 .1	609.0 4.0
144.8	-19.2 .1	978.7 3.6	149.8	-14.8 .1	796.6 3.7	154.8	-10.7 .0	605.1 3.9
144.9	-19.1 .1	975.2 3.5	149.9	-14.7 .1	792.9 3.7	154.9	-10.6 .1	601.2 3.9
145.0	-19.0+.1	971.6 - 3.6	150.0	-14.6+.1	789.1 - 3.8	155.0	-10.5+.1	597.2 - 4.0

			155.0 - 170.0					
R20	X20	Z20	R20	X20	Z20	R20	X20	Z20
155.0	-10.5+.0	597.2 - .0	160.0	-6.6+.1	395.7 -4.2	165.0	-2.9+.1	184.4 -4.3
155.1	-10.4 .1	593.3 3.9	160.1	-6.5 .1	391.6 4.1	165.1	-2.8 .1	180.0 4.4
155.2	-10.3 .1	589.4 3.9	160.2	-6.4 .1	387.5 4.1	165.2	-2.8 .0	175.7 4.3
155.3	-10.3 .0	585.4 4.0	160.3	-6.4 .0	383.3 4.2	165.3	-2.7 .1	171.4 4.3
155.4	-10.2 .1	581.5 3.9	160.4	-6.3 .1	379.2 4.1	165.4	-2.6 .1	167.0 4.4
155.5	-10.1 .1	577.5 4.0	160.5	-6.2 .1	375.0 4.2	165.5	-2.5 .1	162.7 4.3
155.6	-10.0 .1	573.6 3.9	160.6	-6.1 .1	370.9 4.1	165.6	-2.5 .0	158.3 4.4
155.7	-9.9 .1	569.6 4.0	160.7	-6.1 .0	366.7 4.2	165.7	-2.4 .1	154.0 4.3
155.8	-9.9 .0	565.7 3.9	160.8	-6.0 .1	362.6 4.1	165.8	-2.3 .1	149.6 4.4
155.9	-9.8 .1	561.7 4.0	160.9	-5.9 .1	358.4 4.2	165.9	-2.3 .0	145.3 4.3
156.0	-9.7 .1	557.7 4.0	161.0	-5.8 .1	354.3 4.1	166.0	-2.2 .1	140.9 4.4
156.1	-9.6 .1	553.7 4.0	161.1	-5.8 .0	350.1 4.2	166.1	-2.1 .1	136.5 4.4
156.2	-9.5 .1	549.8 3.9	161.2	-5.7 .1	345.9 4.2	166.2	-2.0 .1	132.2 4.3
156.3	-9.5 .0	545.8 4.0	161.3	-5.6 .1	341.7 4.2	166.3	-2.0 .0	127.8 4.4
156.4	-9.4 .1	541.8 4.0	161.4	-5.5 .1	337.5 4.2	166.4	-1.9 .1	123.4 4.4
156.5	-9.3 .1	537.8 4.0	161.5	-5.5 .0	333.4 4.1	166.5	-1.8 .1	119.0 4.4
156.6	-9.2 .1	533.8 4.0	161.6	-5.4 .1	329.2 4.2	166.6	-1.8 .0	114.6 4.4
156.7	-9.1 .1	529.8 4.0	161.7	-5.3 .1	325.0 4.2	166.7	-1.7 .1	110.2 4.4
156.8	-9.1 .0	525.8 4.0	161.8	-5.2 .1	320.8 4.2	166.8	-1.6 .1	105.8 4.4
156.9	-9.0 .1	521.8 4.0	161.9	-5.2 .0	316.6 4.2	166.9	-1.5 .1	101.4 4.4
157.0	-8.9 .1	517.8 4.0	162.0	-5.1 .1	312.4 4.2	167.0	-1.5 .0	97.0 4.4
157.1	-8.8 .1	513.8 4.0	162.1	-5.0 .1	308.2 4.2	167.1	-1.4 .1	92.6 4.4
157.2	-8.7 .1	509.8 4.0	162.2	-4.9 .1	304.0 4.2	167.2	-1.3 .1	88.2 4.4
157.3	-8.7 .0	505.8 4.0	162.3	-4.9 .0	299.7 4.3	167.3	-1.3 .0	83.8 4.4
157.4	-8.6 .1	501.7 4.1	162.4	-4.8 .1	295.5 4.2	167.4	-1.2 .1	79.4 4.4
157.5	-8.5 .1	497.7 4.0	162.5	-4.7 .1	291.3 4.2	167.5	-1.1 .1	74.9 4.5
157.6	-8.4 .1	493.7 4.0	162.6	-4.6 .1	287.1 4.2	167.6	-1.1 .0	70.5 4.4
157.7	-8.4 .0	489.6 4.1	162.7	-4.6 .0	282.8 4.3	167.7	-1.0 .1	66.1 4.4
157.8	-8.3 .1	485.6 4.0	162.8	-4.5 .1	278.6 4.2	167.8	-.9 .1	61.6 4.5
157.9	-8.2 .1	481.6 4.0	162.9	-4.4 .1	274.4 4.2	167.9	-.8 .1	57.2 4.4
158.0	-8.1 .1	477.5 4.1	163.0	-4.4 .0	270.1 4.3	168.0	-.8 .0	52.7 4.5
158.1	-8.0 .1	473.5 4.0	163.1	-4.3 .1	265.9 4.2	168.1	-.7 .1	48.3 4.4
158.2	-8.0 .0	469.4 4.1	163.2	-4.2 .1	261.6 4.3	168.2	-.6 .1	43.8 4.5
158.3	-7.9 .1	465.3 4.1	163.3	-4.1 .1	257.3 4.3	168.3	-.6 .0	39.4 4.4
158.4	-7.8 .1	461.3 4.0	163.4	-4.1 .0	253.1 4.2	168.4	-.5 .1	34.9 4.5
158.5	-7.7 .1	457.2 4.1	163.5	-4.0 .1	248.8 4.3	168.5	-.4 .1	30.4 4.5
158.6	-7.7 .0	453.1 4.1	163.6	-3.9 .1	244.6 4.2	168.6	-.4 .0	26.0 4.4
158.7	-7.6 .1	449.1 4.0	163.7	-3.8 .1	240.3 4.3	168.7	-.3 .1	21.5 4.5
158.8	-7.5 .1	445.0 4.1	163.8	-3.8 .0	236.0 4.3	168.8	-.2 .1	17.0 4.5
158.9	-7.4 .1	440.9 4.1	163.9	-3.7 .1	231.7 4.3	168.9	-.2 .0	12.5 4.5
159.0	-7.4 .0	436.8 4.1	164.0	-3.6 .1	227.4 4.3	169.0	-.1 .1	8.0 4.5
159.1	-7.3 .1	432.7 4.1	164.1	-3.5 .1	223.1 4.3	169.1	.0 .1	3.6 4.4
159.2	-7.2 .1	428.6 4.1	164.2	-3.5 .0	218.9 4.2	169.2	.0 .0	-.9 4.5
159.3	-7.1 .1	424.5 4.1	164.3	-3.4 .1	214.6 4.3	169.3	.1 .1	-5.4 4.5
159.4	-7.0 .1	420.4 4.1	164.4	-3.3 .1	210.3 4.3	169.4	.2 .1	-9.9 4.5
159.5	-7.0 .0	416.3 4.1	164.5	-3.3 .0	206.0 4.3	169.5	.3 .1	-14.4 4.5
159.6	-6.9 .1	412.2 4.1	164.6	-3.2 .1	201.6 4.4	169.6	.3 .0	-19.0 4.6
159.7	-6.8 .1	408.1 4.1	164.7	-3.1 .1	197.3 4.3	169.7	.4 .1	-23.5 4.5
159.8	-6.7 .1	404.0 4.1	164.8	-3.0 .1	193.0 4.3	169.8	.5 .1	-28.0 4.5
159.9	-6.7 .0	399.9 4.1	164.9	-3.0 .0	188.7 4.3	169.9	.5 .0	-32.5 4.5
160.0	-6.6+.1	395.7 -4.2	165.0	-2.9+.1	184.4 -4.3	170.0	.6+.1	-37.0 -4.5

170.0 - 185.0

R20	X20	Z20	R20	X20	Z20	R20	X20	Z20
170.0	.6+.0	-37.0 - .0	175.0	3.9+.1	-268.7 - 4.7	180.0	7.1+.1	-510.9 - 4.9
170.1	.7 .1	-41.6 4.6	175.1	4.0 .1	-273.5 4.8	180.1	7.1 .0	-515.9 5.0
170.2	.7 .0	-46.1 4.5	175.2	4.0 .0	-278.2 4.7	180.2	7.2 .1	-520.8 4.9
170.3	.8 .1	-50.7 4.6	175.3	4.1 .1	-283.0 4.8	180.3	7.2 .0	-525.8 5.0
170.4	.9 .1	-55.2 4.5	175.4	4.2 .1	-287.7 4.7	180.4	7.3 .1	-530.7 4.9
170.5	.9 .0	-59.8 4.6	175.5	4.2 .0	-292.5 4.8	180.5	7.4 .1	-535.7 5.0
170.6	1.0 .1	-64.3 4.5	175.6	4.3 .1	-297.2 4.7	180.6	7.4 .0	-540.7 5.0
170.7	1.1 .1	-68.9 4.6	175.7	4.4 .1	-302.0 4.8	180.7	7.5 .1	-545.7 5.0
170.8	1.1 .0	-73.4 4.5	175.8	4.4 .0	-306.8 4.8	180.8	7.5 .0	-550.6 4.9
170.9	1.2 .1	-78.0 4.6	175.9	4.5 .1	-311.5 4.7	180.9	7.6 .1	-555.6 5.0
171.0	1.3 .1	-82.6 4.6	176.0	4.6 .1	-316.3 4.8	181.0	7.7 .1	-560.6 5.0
171.1	1.3 .0	-87.1 4.5	176.1	4.6 .0	-321.1 4.8	181.1	7.7 .0	-565.6 5.0
171.2	1.4 .1	-91.7 4.6	176.2	4.7 .1	-325.9 4.8	181.2	7.8 .1	-570.6 5.0
171.3	1.5 .1	-96.3 4.6	176.3	4.7 .0	-330.7 4.8	181.3	7.8 .0	-575.6 5.0
171.4	1.5 .0	-100.9 4.6	176.4	4.8 .1	-335.5 4.8	181.4	7.9 .1	-580.6 5.0
171.5	1.6 .1	-105.5 4.6	176.5	4.9 .1	-340.3 4.8	181.5	8.0 .1	-585.6 5.0
171.6	1.7 .1	-110.1 4.6	176.6	4.9 .0	-345.1 4.8	181.6	8.0 .0	-590.6 5.0
171.7	1.7 .0	-114.7 4.6	176.7	5.0 .1	-349.9 4.8	181.7	8.1 .1	-595.7 5.1
171.8	1.8 .1	-119.3 4.6	176.8	5.1 .1	-354.7 4.8	181.8	8.2 .1	-600.7 5.0
171.9	1.9 .1	-123.9 4.6	176.9	5.1 .0	-359.5 4.8	181.9	8.2 .0	-605.7 5.0
172.0	1.9 .0	-128.5 4.6	177.0	5.2 .1	-364.3 4.8	182.0	8.3 .1	-610.7 5.0
172.1	2.0 .1	-133.1 4.6	177.1	5.2 .0	-369.2 4.9	182.1	8.3 .0	-615.8 5.1
172.2	2.1 .1	-137.7 4.6	177.2	5.3 .1	-374.0 4.8	182.2	8.4 .1	-620.8 5.0
172.3	2.1 .0	-142.3 4.6	177.3	5.4 .1	-378.8 4.8	182.3	8.5 .1	-625.9 5.1
172.4	2.2 .1	-147.0 4.7	177.4	5.4 .0	-383.7 4.9	182.4	8.5 .0	-630.9 5.0
172.5	2.3 .1	-151.6 4.6	177.5	5.5 .1	-388.5 4.8	182.5	8.6 .1	-636.0 5.1
172.6	2.3 .0	-156.2 4.6	177.6	5.6 .1	-393.3 4.8	182.6	8.6 .0	-641.0 5.0
172.7	2.4 .1	-160.9 4.7	177.7	5.6 .0	-398.2 4.9	182.7	8.7 .1	-646.1 5.1
172.8	2.5 .1	-165.5 4.6	177.8	5.7 .1	-403.0 4.8	182.8	8.8 .1	-651.2 5.1
172.9	2.5 .0	-170.2 4.7	177.9	5.8 .1	-407.9 4.9	182.9	8.8 .0	-656.2 5.0
173.0	2.6 .1	-174.8 4.6	178.0	5.8 .0	-412.8 4.9	183.0	8.9 .1	-661.3 5.1
173.1	2.7 .1	-179.5 4.7	178.1	5.9 .1	-417.6 4.8	183.1	8.9 .0	-666.4 5.1
173.2	2.7 .0	-184.1 4.6	178.2	5.9 .0	-422.5 4.9	183.2	9.0 .1	-671.5 5.1
173.3	2.8 .1	-188.8 4.7	178.3	6.0 .1	-427.4 4.9	183.3	9.0 .0	-676.6 5.1
173.4	2.9 .1	-193.5 4.7	178.4	6.1 .1	-432.3 4.9	183.4	9.1 .1	-681.7 5.1
173.5	2.9 .0	-198.1 4.6	178.5	6.1 .0	-437.1 4.8	183.5	9.2 .1	-686.8 5.1
173.6	3.0 .1	-202.8 4.7	178.6	6.2 .1	-442.0 4.9	183.6	9.2 .0	-691.9 5.1
173.7	3.1 .1	-207.5 4.7	178.7	6.3 .1	-446.9 4.9	183.7	9.3 .1	-697.0 5.1
173.8	3.1 .0	-212.2 4.7	178.8	6.3 .0	-451.8 4.9	183.8	9.3 .0	-702.1 5.1
173.9	3.2 .1	-216.9 4.7	178.9	6.4 .1	-456.7 4.9	183.9	9.4 .1	-707.2 5.1
174.0	3.3 .1	-221.6 4.7	179.0	6.4 .0	-461.6 4.9	184.0	9.5 .1	-712.3 5.1
174.1	3.3 .0	-226.3 4.7	179.1	6.5 .1	-466.5 4.9	184.1	9.5 .0	-717.4 5.1
174.2	3.4 .1	-231.0 4.7	179.2	6.6 .1	-471.4 4.9	184.2	9.6 .1	-722.6 5.2
174.3	3.5 .1	-235.7 4.7	179.3	6.6 .0	-476.4 5.0	184.3	9.6 .0	-727.7 5.1
174.4	3.5 .0	-240.4 4.7	179.4	6.7 .1	-481.3 4.9	184.4	9.7 .1	-732.8 5.1
174.5	3.6 .1	-245.1 4.7	179.5	6.7 .0	-486.2 4.9	184.5	9.8 .1	-738.0 5.2
174.6	3.6 .0	-249.8 4.7	179.6	6.8 .1	-491.1 4.9	184.6	9.8 .0	-743.1 5.1
174.7	3.7 .1	-254.5 4.7	179.7	6.9 .1	-496.1 5.0	184.7	9.9 .1	-748.3 5.2
174.8	3.8 .1	-259.3 4.8	179.8	6.9 .0	-501.0 4.9	184.8	9.9 .0	-753.4 5.1
174.9	3.8 .0	-264.0 4.7	179.9	7.0 .1	-506.0 5.0	184.9	10.0 .1	-758.6 5.2
175.0	3.9+.1	-268.7 - 4.7	180.0	7.1+.1	-510.9 - 4.9	185.0	10.1+.1	-763.8 - 5.2

			185.0 - 200.0					
R20	X20	Z20	R20	X20	Z20	R20	X20	Z20
185.0	10.1+.0	-763.8 -.0	190.0	12.9+.0	-1027.5 -5.4	195.0	15.7+.1	-1302.4 -5.6
185.1	10.1 .0	-768.9 5.1	190.1	13.0 .1	-1032.9 5.4	195.1	15.7 .0	-1308.0 5.6
185.2	10.2 .1	-774.1 5.2	190.2	13.0 .0	-1038.3 5.4	195.2	15.8 .1	-1313.6 5.6
185.3	10.2 .0	-779.3 5.2	190.3	13.1 .1	-1043.7 5.4	195.3	15.8 .0	-1319.2 5.6
185.4	10.3 .1	-784.5 5.2	190.4	13.1 .0	-1049.1 5.4	195.4	15.9 .1	-1324.9 5.7
185.5	10.3 .0	-789.6 5.1	190.5	13.2 .1	-1054.5 5.4	195.5	15.9 .0	-1330.5 5.6
185.6	10.4 .1	-794.8 5.2	190.6	13.2 .0	-1059.9 5.4	195.6	16.0 .1	-1336.1 5.6
185.7	10.5 .1	-800.0 5.2	190.7	13.3 .1	-1065.3 5.4	195.7	16.0 .0	-1341.8 5.7
185.8	10.5 .0	-805.2 5.2	190.8	13.4 .1	-1070.7 5.4	195.8	16.1 .1	-1347.4 5.6
185.9	10.6 .1	-810.4 5.2	190.9	13.4 .0	-1076.2 5.5	195.9	16.1 .0	-1353.1 5.7
186.0	10.6 .0	-815.6 5.2	191.0	13.5 .1	-1081.6 5.4	196.0	16.2 .1	-1358.7 5.6
186.1	10.7 .1	-820.8 5.2	191.1	13.5 .0	-1087.0 5.4	196.1	16.2 .0	-1364.4 5.7
186.2	10.8 .1	-826.1 5.3	191.2	13.6 .1	-1092.5 5.5	196.2	16.3 .1	-1370.0 5.6
186.3	10.8 .0	-831.3 5.2	191.3	13.6 .0	-1097.9 5.4	196.3	16.3 .0	-1375.7 5.7
186.4	10.9 .1	-836.5 5.2	191.4	13.7 .1	-1103.4 5.5	196.4	16.4 .1	-1381.4 5.7
186.5	10.9 .0	-841.7 5.2	191.5	13.7 .0	-1108.8 5.4	196.5	16.5 .1	-1387.1 5.7
186.6	11.0 .1	-847.0 5.3	191.6	13.8 .1	-1114.3 5.5	196.6	16.5 .0	-1392.7 5.6
186.7	11.0 .0	-852.2 5.2	191.7	13.9 .1	-1119.7 5.4	196.7	16.6 .1	-1398.4 5.7
186.8	11.1 .1	-857.4 5.2	191.8	13.9 .0	-1125.2 5.5	196.8	16.6 .0	-1404.1 5.7
186.9	11.2 .1	-862.7 5.3	191.9	14.0 .1	-1130.6 5.4	196.9	16.7 .1	-1409.8 5.7
187.0	11.2 .0	-867.9 5.2	192.0	14.0 .0	-1136.1 5.5	197.0	16.7 .0	-1415.5 5.7
187.1	11.3 .1	-873.2 5.3	192.1	14.1 .1	-1141.6 5.5	197.1	16.8 .1	-1421.2 5.7
187.2	11.3 .0	-878.5 5.3	192.2	14.1 .0	-1147.1 5.5	197.2	16.8 .0	-1426.9 5.7
187.3	11.4 .1	-883.7 5.2	192.3	14.2 .1	-1152.6 5.5	197.3	16.9 .1	-1432.6 5.7
187.4	11.4 .0	-889.0 5.3	192.4	14.2 .0	-1158.1 5.5	197.4	16.9 .0	-1438.3 5.7
187.5	11.5 .1	-894.3 5.3	192.5	14.3 .1	-1163.6 5.5	197.5	17.0 .1	-1444.1 5.8
187.6	11.6 .1	-899.5 5.2	192.6	14.4 .1	-1169.1 5.5	197.6	17.0 .0	-1449.8 5.7
187.7	11.6 .0	-904.8 5.3	192.7	14.4 .0	-1174.6 5.5	197.7	17.1 .1	-1455.5 5.7
187.8	11.7 .1	-910.1 5.3	192.8	14.5 .1	-1180.1 5.5	197.8	17.1 .0	-1461.3 5.8
187.9	11.7 .0	-915.4 5.3	192.9	14.5 .0	-1185.6 5.5	197.9	17.2 .1	-1467.0 5.7
188.0	11.8 .1	-920.7 5.3	193.0	14.6 .1	-1191.1 5.5	198.0	17.2 .0	-1472.7 5.7
188.1	11.8 .0	-926.0 5.3	193.1	14.6 .0	-1196.6 5.5	198.1	17.3 .1	-1478.5 5.8
188.2	11.9 .1	-931.3 5.3	193.2	14.7 .1	-1202.1 5.5	198.2	17.4 .1	-1484.2 5.7
188.3	12.0 .1	-936.6 5.3	193.3	14.7 .0	-1207.7 5.6	198.3	17.4 .0	-1490.0 5.8
188.4	12.0 .0	-941.9 5.3	193.4	14.8 .1	-1213.2 5.5	198.4	17.5 .1	-1495.8 5.8
188.5	12.1 .1	-947.2 5.3	193.5	14.8 .0	-1218.7 5.5	198.5	17.5 .0	-1501.5 5.7
188.6	12.1 .0	-952.6 5.4	193.6	14.9 .1	-1224.3 5.6	198.6	17.6 .1	-1507.3 5.8
188.7	12.2 .1	-957.9 5.3	193.7	15.0 .1	-1229.8 5.5	198.7	17.6 .0	-1513.1 5.8
188.8	12.2 .0	-963.2 5.3	193.8	15.0 .0	-1235.4 5.6	198.8	17.7 .1	-1518.9 5.8
188.9	12.3 .1	-968.5 5.3	193.9	15.1 .1	-1241.0 5.6	198.9	17.7 .0	-1524.6 5.7
189.0	12.4 .1	-973.9 5.4	194.0	15.1 .0	-1246.5 5.5	199.0	17.8 .1	-1530.4 5.8
189.1	12.4 .0	-979.2 5.3	194.1	15.2 .1	-1252.1 5.6	199.1	17.8 .0	-1536.2 5.8
189.2	12.5 .1	-984.6 5.4	194.2	15.2 .0	-1257.7 5.6	199.2	17.9 .1	-1542.0 5.8
189.3	12.5 .0	-989.9 5.3	194.3	15.3 .1	-1263.2 5.5	199.3	17.9 .0	-1547.8 5.8
189.4	12.6 .1	-995.3 5.4	194.4	15.3 .0	-1268.8 5.6	199.4	18.0 .1	-1553.6 5.8
189.5	12.6 .0	-1000.6 5.3	194.5	15.4 .1	-1274.4 5.6	199.5	18.0 .0	-1559.5 5.9
189.6	12.7 .1	-1006.0 5.4	194.6	15.4 .0	-1280.0 5.6	199.6	18.1 .1	-1565.3 5.8
189.7	12.7 .0	-1011.4 5.4	194.7	15.5 .1	-1285.6 5.6	199.7	18.1 .0	-1571.1 5.8
189.8	12.8 .1	-1016.8 5.4	194.8	15.5 .0	-1291.2 5.6	199.8	18.2 .1	-1576.9 5.8
189.9	12.9 .1	-1022.1 5.3	194.9	15.6 .1	-1296.8 5.6	199.9	18.2 .0	-1582.8 5.9
190.0	12.9+.0	-1027.5 -5.4	195.0	15.7+.1	-1302.4 -5.6	200.0	18.3+.1	-1588.6 -5.8

			200.0 - 215.0					
R20	X20	Z20	R20	X20	Z20	R20	X20	Z20
200.0	18.3+.0	-1588.6 - .0	205.0	20.8+.0	-1886.3 - 6.0	210.0	23.3+.0	-2195.8 - 6.3
200.1	18.3 .0	-1594.4 5.8	205.1	20.9 .1	-1892.4 6.1	210.1	23.4 .1	-2202.1 6.3
200.2	18.4 .1	-1600.3 5.9	205.2	20.9 .0	-1898.5 6.1	210.2	23.4 .0	-2208.5 6.4
200.3	18.4 .0	-1606.1 5.8	205.3	21.0 .1	-1904.6 6.1	210.3	23.5 .1	-2214.8 6.3
200.4	18.5 .1	-1612.0 5.9	205.4	21.0 .0	-1910.7 6.1	210.4	23.5 .0	-2221.1 6.3
200.5	18.5 .0	-1617.8 5.8	205.5	21.1 .1	-1916.8 6.1	210.5	23.5 .0	-2227.4 6.3
200.6	18.6 .1	-1623.7 5.9	205.6	21.1 .0	-1922.9 6.1	210.6	23.6 .1	-2233.8 6.4
200.7	18.6 .0	-1629.6 5.9	205.7	21.2 .1	-1929.0 6.1	210.7	23.6 .0	-2240.1 6.3
200.8	18.7 .1	-1635.5 5.9	205.8	21.2 .0	-1935.1 6.1	210.8	23.7 .1	-2246.5 6.4
200.9	18.8 .1	-1641.3 5.8	205.9	21.3 .1	-1941.2 6.1	210.9	23.7 .0	-2252.8 6.3
201.0	18.8 .0	-1647.2 5.9	206.0	21.3 .0	-1947.3 6.1	211.0	23.8 .1	-2259.2 6.4
201.1	18.9 .1	-1653.1 5.9	206.1	21.4 .1	-1953.4 6.1	211.1	23.8 .0	-2265.5 6.3
201.2	18.9 .0	-1659.0 5.9	206.2	21.4 .0	-1959.5 6.1	211.2	23.9 .1	-2271.9 6.4
201.3	19.0 .1	-1664.9 5.9	206.3	21.5 .1	-1965.7 6.2	211.3	23.9 .0	-2278.3 6.4
201.4	19.0 .0	-1670.8 5.9	206.4	21.5 .0	-1971.8 6.1	211.4	24.0 .1	-2284.6 6.3
201.5	19.1 .1	-1676.7 5.9	206.5	21.6 .1	-1977.9 6.1	211.5	24.0 .0	-2291.0 6.4
201.6	19.1 .0	-1682.6 5.9	206.6	21.6 .0	-1984.1 6.2	211.6	24.1 .1	-2297.4 6.4
201.7	19.2 .1	-1688.5 5.9	206.7	21.7 .1	-1990.2 6.1	211.7	24.1 .0	-2303.8 6.4
201.8	19.2 .0	-1694.4 5.9	206.8	21.7 .0	-1996.4 6.2	211.8	24.2 .1	-2310.2 6.4
201.9	19.3 .1	-1700.4 6.0	206.9	21.8 .1	-2002.6 6.2	211.9	24.2 .0	-2316.6 6.4
202.0	19.3 .0	-1706.3 5.9	207.0	21.8 .0	-2008.7 6.1	212.0	24.3 .1	-2323.0 6.4
202.1	19.4 .1	-1712.2 5.9	207.1	21.9 .1	-2014.9 6.2	212.1	24.3 .0	-2329.4 6.4
202.2	19.4 .0	-1718.2 6.0	207.2	21.9 .0	-2021.1 6.2	212.2	24.4 .1	-2335.8 6.4
202.3	19.5 .1	-1724.1 5.9	207.3	22.0 .1	-2027.2 6.1	212.3	24.4 .0	-2342.2 6.4
202.4	19.5 .0	-1730.1 6.0	207.4	22.0 .0	-2033.4 6.2	212.4	24.5 .1	-2348.6 6.4
202.5	19.6 .1	-1736.0 5.9	207.5	22.1 .1	-2039.6 6.2	212.5	24.5 .0	-2355.1 6.5
202.6	19.6 .0	-1742.0 6.0	207.6	22.1 .0	-2045.8 6.2	212.6	24.6 .1	-2361.5 6.4
202.7	19.7 .1	-1747.9 5.9	207.7	22.2 .1	-2052.0 6.2	212.7	24.6 .0	-2367.9 6.4
202.8	19.7 .0	-1753.9 6.0	207.8	22.2 .0	-2058.2 6.2	212.8	24.7 .1	-2374.4 6.5
202.9	19.8 .1	-1759.9 6.0	207.9	22.3 .1	-2064.4 6.2	212.9	24.7 .0	-2380.8 6.4
203.0	19.8 .0	-1765.8 5.9	208.0	22.3 .0	-2070.6 6.2	213.0	24.8 .1	-2387.3 6.5
203.1	19.9 .1	-1771.8 6.0	208.1	22.4 .1	-2076.8 6.2	213.1	24.8 .0	-2393.7 6.4
203.2	19.9 .0	-1777.8 6.0	208.2	22.4 .0	-2083.1 6.3	213.2	24.9 .1	-2400.2 6.5
203.3	20.0 .1	-1783.8 6.0	208.3	22.5 .1	-2089.3 6.2	213.3	24.9 .0	-2406.6 6.4
203.4	20.0 .0	-1789.8 6.0	208.4	22.5 .0	-2095.5 6.2	213.4	25.0 .1	-2413.1 6.5
203.5	20.1 .1	-1795.8 6.0	208.5	22.6 .1	-2101.7 6.2	213.5	25.0 .0	-2419.6 6.5
203.6	20.1 .0	-1801.8 6.0	208.6	22.6 .0	-2108.0 6.3	213.6	25.0 .0	-2426.1 6.5
203.7	20.2 .1	-1807.8 6.0	208.7	22.7 .1	-2114.2 6.2	213.7	25.1 .1	-2432.6 6.5
203.8	20.2 .0	-1813.8 6.0	208.8	22.7 .0	-2120.5 6.3	213.8	25.1 .0	-2439.0 6.4
203.9	20.3 .1	-1819.8 6.0	208.9	22.8 .1	-2126.7 6.2	213.9	25.2 .1	-2445.5 6.5
204.0	20.3 .0	-1825.9 6.1	209.0	22.8 .0	-2133.0 6.3	214.0	25.2 .0	-2452.0 6.5
204.1	20.4 .1	-1831.9 6.0	209.1	22.9 .1	-2139.3 6.3	214.1	25.3 .1	-2458.5 6.5
204.2	20.4 .0	-1837.9 6.0	209.2	22.9 .0	-2145.5 6.2	214.2	25.3 .0	-2465.1 6.6
204.3	20.5 .1	-1844.0 6.1	209.3	23.0 .1	-2151.8 6.3	214.3	25.4 .1	-2471.6 6.5
204.4	20.5 .0	-1850.0 6.0	209.4	23.0 .0	-2158.1 6.3	214.4	25.4 .0	-2478.1 6.5
204.5	20.6 .1	-1856.0 6.0	209.5	23.1 .1	-2164.4 6.3	214.5	25.5 .1	-2484.6 6.5
204.6	20.6 .0	-1862.1 6.1	209.6	23.1 .0	-2170.6 6.2	214.6	25.5 .0	-2491.1 6.5
204.7	20.7 .1	-1868.1 6.0	209.7	23.2 .1	-2176.9 6.3	214.7	25.6 .1	-2497.7 6.6
204.8	20.7 .0	-1874.2 6.1	209.8	23.2 .0	-2183.2 6.3	214.8	25.6 .0	-2504.2 6.5
204.9	20.8 .1	-1880.3 6.1	209.9	23.3 .1	-2189.5 6.3	214.9	25.7 .1	-2510.8 6.6
205.0	20.8+.0	-1886.3 - 6.0	210.0	23.3+.0	-2195.8 - 6.3	215.0	25.7+.0	-2517.3 - 6.5

			215.0 - 230.0					
R20	X20	Z20	R20	X20	Z20	R20	X20	Z20
215.0	25.7+.0	-2517.3 - .0	220.0	28.1+.1	-2850.9 - 6.8	225.0	30.4+.0	-3197.0 - 7.1
215.1	25.8 .1	-2523.9 6.6	220.1	28.1 .0	-2857.7 6.8	225.1	30.5 .1	-3204.0 7.0
215.2	25.8 .0	-2530.4 6.5	220.2	28.2 .1	-2864.5 6.8	225.2	30.5 .0	-3211.1 7.1
215.3	25.9 .1	-2537.0 6.6	220.3	28.2 .0	-2871.3 6.8	225.3	30.6 .1	-3218.1 7.0
215.4	25.9 .0	-2543.5 6.5	220.4	28.3 .1	-2878.2 6.9	225.4	30.6 .0	-3225.2 7.1
215.5	26.0 .1	-2550.1 6.6	220.5	28.3 .0	-2885.0 6.8	225.5	30.7 .1	-3232.3 7.1
215.6	26.0 .0	-2556.7 6.6	220.6	28.4 .1	-2891.8 6.8	225.6	30.7 .0	-3239.3 7.0
215.7	26.1 .1	-2563.3 6.6	220.7	28.4 .0	-2898.6 6.8	225.7	30.8 .1	-3246.4 7.1
215.8	26.1 .0	-2569.9 6.6	220.8	28.5 .1	-2905.5 6.9	225.8	30.8 .0	-3253.5 7.1
215.9	26.1 .0	-2576.4 6.5	220.9	28.5 .0	-2912.3 6.8	225.9	30.8 .0	-3260.6 7.1
216.0	26.2 .1	-2583.0 6.6	221.0	28.6 .1	-2919.1 6.8	226.0	30.9 .1	-3267.7 7.1
216.1	26.2 .0	-2589.6 6.6	221.1	28.6 .0	-2926.0 6.9	226.1	30.9 .0	-3274.8 7.1
216.2	26.3 .1	-2596.3 6.7	221.2	28.7 .1	-2932.8 6.8	226.2	31.0 .1	-3281.9 7.1
216.3	26.3 .0	-2602.9 6.6	221.3	28.7 .0	-2939.7 6.9	226.3	31.0 .0	-3289.0 7.1
216.4	26.4 .1	-2609.5 6.6	221.4	28.7 .0	-2946.6 6.9	226.4	31.1 .1	-3296.1 7.1
216.5	26.4 .0	-2616.1 6.6	221.5	28.8 .1	-2953.4 6.8	226.5	31.1 .0	-3303.2 7.1
216.6	26.5 .1	-2622.7 6.6	221.6	28.8 .0	-2960.3 6.9	226.6	31.2 .1	-3310.3 7.1
216.7	26.5 .0	-2629.4 6.7	221.7	28.9 .1	-2967.2 6.9	226.7	31.2 .0	-3317.5 7.2
216.8	26.6 .1	-2636.0 6.6	221.8	28.9 .0	-2974.1 6.9	226.8	31.3 .1	-3324.6 7.1
216.9	26.6 .0	-2642.6 6.6	221.9	29.0 .1	-2981.0 6.9	226.9	31.3 .0	-3331.7 7.1
217.0	26.7 .1	-2649.3 6.7	222.0	29.0 .0	-2987.8 6.8	227.0	31.4 .1	-3338.9 7.2
217.1	26.7 .0	-2655.9 6.6	222.1	29.1 .1	-2994.7 6.9	227.1	31.4 .0	-3346.0 7.1
217.2	26.8 .1	-2662.6 6.7	222.2	29.1 .0	-3001.6 6.9	227.2	31.5 .1	-3353.2 7.2
217.3	26.8 .0	-2669.2 6.6	222.3	29.2 .1	-3008.6 7.0	227.3	31.5 .0	-3360.4 7.2
217.4	26.9 .1	-2675.9 6.7	222.4	29.2 .0	-3015.5 6.9	227.4	31.5 .0	-3367.5 7.1
217.5	26.9 .0	-2682.6 6.7	222.5	29.3 .1	-3022.4 6.9	227.5	31.6 .1	-3374.7 7.2
217.6	27.0 .1	-2689.3 6.7	222.6	29.3 .0	-3029.3 6.9	227.6	31.6 .0	-3381.9 7.2
217.7	27.0 .0	-2695.9 6.6	222.7	29.4 .1	-3036.2 6.9	227.7	31.7 .1	-3389.0 7.1
217.8	27.0 .0	-2702.6 6.7	222.8	29.4 .0	-3043.2 7.0	227.8	31.7 .0	-3396.2 7.2
217.9	27.1 .1	-2709.3 6.7	222.9	29.4 .0	-3050.1 6.9	227.9	31.8 .1	-3403.4 7.2
218.0	27.1 .0	-2716.0 6.7	223.0	29.5 .1	-3057.1 7.0	228.0	31.8 .0	-3410.6 7.2
218.1	27.2 .1	-2722.7 6.7	223.1	29.5 .0	-3064.0 6.9	228.1	31.9 .1	-3417.8 7.2
218.2	27.2 .0	-2729.4 6.7	223.2	29.6 .1	-3071.0 7.0	228.2	31.9 .0	-3425.0 7.2
218.3	27.3 .1	-2736.1 6.7	223.3	29.6 .0	-3077.9 6.9	228.3	32.0 .1	-3432.2 7.2
218.4	27.3 .0	-2742.8 6.7	223.4	29.7 .1	-3084.9 7.0	228.4	32.0 .0	-3439.4 7.2
218.5	27.4 .1	-2749.6 6.8	223.5	29.7 .0	-3091.8 6.9	228.5	32.1 .1	-3446.7 7.3
218.6	27.4 .0	-2756.3 6.7	223.6	29.8 .1	-3098.8 7.0	228.6	32.1 .0	-3453.9 7.2
218.7	27.5 .1	-2763.0 6.7	223.7	29.8 .0	-3105.8 7.0	228.7	32.1 .0	-3461.1 7.2
218.8	27.5 .0	-2769.7 6.7	223.8	29.9 .1	-3112.8 7.0	228.8	32.2 .1	-3468.4 7.3
218.9	27.6 .1	-2776.5 6.8	223.9	29.9 .0	-3119.8 7.0	228.9	32.2 .0	-3475.6 7.2
219.0	27.6 .0	-2783.2 6.7	224.0	30.0 .1	-3126.8 7.0	229.0	32.3 .1	-3482.8 7.2
219.1	27.7 .1	-2790.0 6.8	224.1	30.0 .0	-3133.8 7.0	229.1	32.3 .0	-3490.1 7.3
219.2	27.7 .0	-2796.7 6.7	224.2	30.1 .1	-3140.8 7.0	229.2	32.4 .1	-3497.4 7.3
219.3	27.8 .1	-2803.5 6.8	224.3	30.1 .0	-3147.8 7.0	229.3	32.4 .0	-3504.6 7.2
219.4	27.8 .0	-2810.2 6.7	224.4	30.1 .0	-3154.8 7.0	229.4	32.5 .1	-3511.9 7.3
219.5	27.9 .1	-2817.0 6.8	224.5	30.2 .1	-3161.8 7.0	229.5	32.5 .0	-3519.2 7.3
219.6	27.9 .0	-2823.8 6.8	224.6	30.2 .0	-3168.8 7.0	229.6	32.6 .1	-3526.4 7.2
219.7	27.9 .0	-2830.6 6.8	224.7	30.3 .1	-3175.8 7.0	229.7	32.6 .0	-3533.7 7.3
219.8	28.0 .1	-2837.4 6.8	224.8	30.3 .0	-3182.9 7.1	229.8	32.7 .1	-3541.0 7.3
219.9	28.0 .0	-2844.1 6.7	224.9	30.4 .1	-3189.9 7.0	229.9	32.7 .0	-3548.3 7.3
220.0	28.1+.1	-2850.9 - 6.8	225.0	30.4+.0	-3197.0 - 7.1	230.0	32.8+.1	-3555.6 - 7.3

R₂₀ (169.18)

				120.0 - 145.0					
R16	Z16	R16	Z16	R16	Z16	R16	Z16	R16	Z16
120.0	4391.0 - .0	125.0	3847.3-10.9	130.0	3298.7-11.0	135.0	2746.5-11.1	140.0	2192.1-11.1
120.1	4380.1 10.9	125.1	3836.4 10.9	130.1	3287.7 11.0	135.1	2735.4 11.1	140.1	2181.0 11.1
120.2	4369.3 10.8	125.2	3825.4 11.0	130.2	3276.7 11.0	135.2	2724.4 11.0	140.2	2169.9 11.1
120.3	4358.5 10.8	125.3	3814.5 10.9	130.3	3265.6 11.1	135.3	2713.3 11.1	140.3	2158.8 11.1
120.4	4347.7 10.8	125.4	3803.6 10.9	130.4	3254.6 11.0	135.4	2702.2 11.1	140.4	2147.7 11.1
120.5	4336.8 10.9	125.5	3792.6 11.0	130.5	3243.6 11.0	135.5	2691.1 11.1	140.5	2136.6 11.1
120.6	4326.0 10.8	125.6	3781.7 10.9	130.6	3232.6 11.0	135.6	2680.1 11.0	140.6	2125.5 11.1
120.7	4315.2 10.8	125.7	3770.8 10.9	130.7	3221.6 11.0	135.7	2669.0 11.1	140.7	2114.4 11.1
120.8	4304.4 10.8	125.8	3759.8 11.0	130.8	3210.5 11.1	135.8	2657.9 11.1	140.8	2103.3 11.1
120.9	4293.5 10.9	125.9	3748.9 10.9	130.9	3199.5 11.0	135.9	2646.8 11.1	140.9	2092.2 11.1
121.0	4282.7 10.8	126.0	3737.9 11.0	131.0	3188.5 11.0	136.0	2635.8 11.0	141.0	2081.1 11.1
121.1	4271.8 10.9	126.1	3727.0 10.9	131.1	3177.5 11.0	136.1	2624.7 11.1	141.1	2070.0 11.1
121.2	4261.0 10.8	126.2	3716.0 11.0	131.2	3166.4 11.1	136.2	2613.6 11.1	141.2	2058.8 11.2
121.3	4250.1 10.9	126.3	3705.1 10.9	131.3	3155.4 11.0	136.3	2602.5 11.1	141.3	2047.7 11.1
121.4	4239.3 10.8	126.4	3694.1 11.0	131.4	3144.4 11.0	136.4	2591.4 11.1	141.4	2036.6 11.1
121.5	4228.5 10.8	126.5	3683.2 10.9	131.5	3133.3 11.1	136.5	2580.4 11.0	141.5	2025.5 11.1
121.6	4217.6 10.9	126.6	3672.2 11.0	131.6	3122.3 11.0	136.6	2569.3 11.1	141.6	2014.4 11.1
121.7	4206.7 10.9	126.7	3661.2 11.0	131.7	3111.3 11.0	136.7	2558.2 11.1	141.7	2003.3 11.1
121.8	4195.9 10.8	126.8	3650.3 10.9	131.8	3100.2 11.1	136.8	2547.1 11.1	141.8	1992.2 11.1
121.9	4185.0 10.9	126.9	3639.3 11.0	131.9	3089.2 11.0	136.9	2536.0 11.1	141.9	1981.1 11.1
122.0	4174.2 10.8	127.0	3628.4 10.9	132.0	3078.2 11.0	137.0	2524.9 11.1	142.0	1970.0 11.1
122.1	4163.3 10.9	127.1	3617.4 11.0	132.1	3067.1 11.1	137.1	2513.8 11.1	142.1	1958.9 11.1
122.2	4152.4 10.9	127.2	3606.4 11.0	132.2	3056.1 11.0	137.2	2502.8 11.0	142.2	1947.8 11.1
122.3	4141.6 10.8	127.3	3595.5 10.9	132.3	3045.0 11.1	137.3	2491.7 11.1	142.3	1936.7 11.1
122.4	4130.7 10.9	127.4	3584.5 11.0	132.4	3034.0 11.0	137.4	2480.6 11.1	142.4	1925.6 11.1
122.5	4119.8 10.9	127.5	3573.5 11.0	132.5	3023.0 11.0	137.5	2469.5 11.1	142.5	1914.5 11.1
122.6	4108.9 10.9	127.6	3562.5 11.0	132.6	3011.9 11.1	137.6	2458.4 11.1	142.6	1903.4 11.1
122.7	4098.1 10.8	127.7	3551.6 10.9	132.7	3000.9 11.0	137.7	2447.3 11.1	142.7	1892.3 11.1
122.8	4087.2 10.9	127.8	3540.6 11.0	132.8	2989.8 11.1	137.8	2436.2 11.1	142.8	1881.1 11.2
122.9	4076.3 10.9	127.9	3529.6 11.0	132.9	2978.8 11.0	137.9	2425.1 11.1	142.9	1870.0 11.1
123.0	4065.4 10.9	128.0	3518.6 11.0	133.0	2967.7 11.1	138.0	2414.0 11.1	143.0	1858.9 11.1
123.1	4054.5 10.9	128.1	3507.7 10.9	133.1	2956.7 11.0	138.1	2402.9 11.1	143.1	1847.8 11.1
123.2	4043.6 10.9	128.2	3496.7 11.0	133.2	2945.6 11.1	138.2	2391.9 11.0	143.2	1836.7 11.1
123.3	4032.8 10.8	128.3	3485.7 11.0	133.3	2934.6 11.0	138.3	2380.8 11.1	143.3	1825.6 11.1
123.4	4021.9 10.9	128.4	3474.7 11.0	133.4	2923.5 11.1	138.4	2369.7 11.1	143.4	1814.5 11.1
123.5	4011.0 10.9	128.5	3463.7 11.0	133.5	2912.5 11.0	138.5	2358.6 11.1	143.5	1803.4 11.1
123.6	4000.1 10.9	128.6	3452.7 11.0	133.6	2901.4 11.1	138.6	2347.5 11.1	143.6	1792.3 11.1
123.7	3989.2 10.9	128.7	3441.7 11.0	133.7	2890.3 11.1	138.7	2336.4 11.1	143.7	1781.2 11.1
123.8	3978.3 10.9	128.8	3430.7 11.0	133.8	2879.3 11.0	138.8	2325.3 11.1	143.8	1770.1 11.1
123.9	3967.4 10.9	128.9	3419.7 11.0	133.9	2868.2 11.1	138.9	2314.2 11.1	143.9	1759.0 11.1
124.0	3956.5 10.9	129.0	3408.7 11.0	134.0	2857.2 11.0	139.0	2303.1 11.1	144.0	1747.9 11.1
124.1	3945.6 10.9	129.1	3397.7 11.0	134.1	2846.1 11.1	139.1	2292.0 11.1	144.1	1736.8 11.1
124.2	3934.6 11.0	129.2	3386.7 11.0	134.2	2835.0 11.1	139.2	2280.9 11.1	144.2	1725.6 11.2
124.3	3923.7 10.9	129.3	3375.7 11.0	134.3	2824.0 11.0	139.3	2269.8 11.1	144.3	1714.5 11.1
124.4	3912.8 10.9	129.4	3364.7 11.0	134.4	2812.9 11.1	139.4	2258.7 11.1	144.4	1703.4 11.1
124.5	3901.9 10.9	129.5	3353.7 11.0	134.5	2801.8 11.1	139.5	2247.6 11.1	144.5	1692.3 11.1
124.6	3891.0 10.9	129.6	3342.7 11.0	134.6	2790.8 11.0	139.6	2236.5 11.1	144.6	1681.2 11.1
124.7	3880.1 10.9	129.7	3331.7 11.0	134.7	2779.7 11.1	139.7	2225.4 11.1	144.7	1670.1 11.1
124.8	3869.1 11.0	129.8	3320.7 11.0	134.8	2768.6 11.1	139.8	2214.3 11.1	144.8	1659.0 11.1
124.9	3858.2 10.9	129.9	3309.7 11.0	134.9	2757.6 11.0	139.9	2203.2 11.1	144.9	1647.9 11.1
125.0	3847.3-10.9	130.0	3298.7-11.0	135.0	2746.5-11.1	140.0	2192.1-11.1	145.0	1636.8-11.1

				145.0 - 170.0					
R16	Z16	R16	Z16	R16	Z16	R16	Z16	R16	Z16
145.0	1636.8- .0	150.0	1082.0-11.1	155.0	529.0-11.0	160.0	-20.8-10.9	165.0	-566.1-10.8
145.1	1625.7 11.1	150.1	1070.9 11.1	155.1	517.9 11.1	160.1	-31.8 11.0	165.1	-577.0 10.9
145.2	1614.6 11.1	150.2	1059.8 11.1	155.2	506.9 11.0	160.2	-42.7 10.9	165.2	-587.8 10.8
145.3	1603.5 11.1	150.3	1048.7 11.1	155.3	495.9 11.0	160.3	-53.7 11.0	165.3	-598.7 10.9
145.4	1592.4 11.1	150.4	1037.6 11.1	155.4	484.9 11.0	160.4	-64.6 10.9	165.4	-609.5 10.8
145.5	1581.3 11.1	150.5	1026.6 11.0	155.5	473.8 11.1	160.5	-75.6 11.0	165.5	-620.3 10.8
145.6	1570.2 11.1	150.6	1015.5 11.1	155.6	462.8 11.0	160.6	-86.5 10.9	165.6	-631.2 10.9
145.7	1559.1 11.1	150.7	1004.4 11.1	155.7	451.8 11.0	160.7	-97.5 11.0	165.7	-642.0 10.8
145.8	1548.0 11.1	150.8	993.3 11.1	155.8	440.8 11.0	160.8	-108.4 10.9	165.8	-652.9 10.9
145.9	1536.9 11.1	150.9	982.3 11.0	155.9	429.7 11.1	160.9	-119.4 11.0	165.9	-663.7 10.8
146.0	1525.7 11.2	151.0	971.2 11.1	156.0	418.7 11.0	161.0	-130.3 10.9	166.0	-674.5 10.8
146.1	1514.6 11.1	151.1	960.1 11.1	156.1	407.7 11.0	161.1	-141.2 10.9	166.1	-685.3 10.8
146.2	1503.5 11.1	151.2	949.0 11.1	156.2	396.7 11.0	161.2	-152.2 11.0	166.2	-696.2 10.9
146.3	1492.4 11.1	151.3	938.0 11.0	156.3	385.7 11.0	161.3	-163.1 10.9	166.3	-707.0 10.8
146.4	1481.3 11.1	151.4	926.9 11.1	156.4	374.7 11.0	161.4	-174.0 10.9	166.4	-717.8 10.8
146.5	1470.2 11.1	151.5	915.8 11.1	156.5	363.6 11.1	161.5	-185.0 11.0	166.5	-728.6 10.8
146.6	1459.1 11.1	151.6	904.8 11.0	156.6	352.6 11.0	161.6	-195.9 10.9	166.6	-739.4 10.8
146.7	1448.0 11.1	151.7	893.7 11.1	156.7	341.6 11.0	161.7	-206.8 10.9	166.7	-750.2 10.8
146.8	1436.9 11.1	151.8	882.6 11.1	156.8	330.6 11.0	161.8	-217.7 10.9	166.8	-761.1 10.9
146.9	1425.8 11.1	151.9	871.5 11.1	156.9	319.6 11.0	161.9	-228.7 11.0	166.9	-771.9 10.8
147.0	1414.7 11.1	152.0	860.5 11.0	157.0	308.6 11.0	162.0	-239.6 10.9	167.0	-782.7 10.8
147.1	1403.6 11.1	152.1	849.4 11.1	157.1	297.6 11.0	162.1	-250.5 10.9	167.1	-793.5 10.8
147.2	1392.5 11.1	152.2	838.3 11.1	157.2	286.6 11.0	162.2	-261.4 10.9	167.2	-804.3 10.8
147.3	1381.4 11.1	152.3	827.3 11.0	157.3	275.6 11.0	162.3	-272.3 10.9	167.3	-815.1 10.8
147.4	1370.3 11.1	152.4	816.2 11.1	157.4	264.6 11.0	162.4	-283.2 10.9	167.4	-825.8 10.7
147.5	1359.2 11.1	152.5	805.2 11.0	157.5	253.6 11.0	162.5	-294.1 10.9	167.5	-836.6 10.8
147.6	1348.1 11.1	152.6	794.1 11.1	157.6	242.6 11.0	162.6	-305.0 10.9	167.6	-847.4 10.8
147.7	1337.0 11.1	152.7	783.0 11.1	157.7	231.6 11.0	162.7	-315.9 10.9	167.7	-858.2 10.8
147.8	1325.9 11.1	152.8	772.0 11.0	157.8	220.6 11.0	162.8	-326.8 10.9	167.8	-869.0 10.8
147.9	1314.9 11.0	152.9	760.9 11.1	157.9	209.6 11.0	162.9	-337.7 10.9	167.9	-879.8 10.8
148.0	1303.8 11.1	153.0	749.9 11.0	158.0	198.6 11.0	163.0	-348.6 10.9	168.0	-890.6 10.8
148.1	1292.7 11.1	153.1	738.8 11.1	158.1	187.6 11.0	163.1	-359.5 10.9	168.1	-901.3 10.7
148.2	1281.6 11.1	153.2	727.8 11.0	158.2	176.6 11.0	163.2	-370.4 10.9	168.2	-912.1 10.8
148.3	1270.5 11.1	153.3	716.7 11.1	158.3	165.7 10.9	163.3	-381.3 10.9	168.3	-922.9 10.8
148.4	1259.4 11.1	153.4	705.7 11.0	158.4	154.7 11.0	163.4	-392.2 10.9	168.4	-933.6 10.7
148.5	1248.3 11.1	153.5	694.6 11.1	158.5	143.7 11.0	163.5	-403.1 10.9	168.5	-944.4 10.8
148.6	1237.2 11.1	153.6	683.6 11.0	158.6	132.7 11.0	163.6	-414.0 10.9	168.6	-955.2 10.8
148.7	1226.1 11.1	153.7	672.5 11.1	158.7	121.7 11.0	163.7	-424.9 10.9	168.7	-965.9 10.7
148.8	1215.0 11.1	153.8	661.5 11.0	158.8	110.8 10.9	163.8	-435.7 10.8	168.8	-976.7 10.8
148.9	1203.9 11.1	153.9	650.4 11.1	158.9	99.8 11.0	163.9	-446.6 10.9	168.9	-987.4 10.7
149.0	1192.8 11.1	154.0	639.4 11.0	159.0	88.8 11.0	164.0	-457.5 10.9	169.0	-998.2 10.8
149.1	1181.7 11.1	154.1	628.3 11.1	159.1	77.8 11.0	164.1	-468.4 10.9	169.1	-1008.9 10.7
149.2	1170.7 11.0	154.2	617.3 11.0	159.2	66.9 10.9	164.2	-479.2 10.8	169.2	-1019.7 10.8
149.3	1159.6 11.1	154.3	606.2 11.1	159.3	55.9 11.0	164.3	-490.1 10.9	169.3	-1030.4 10.7
149.4	1148.5 11.1	154.4	595.2 11.0	159.4	44.9 11.0	164.4	-501.0 10.9	169.4	-1041.1 10.7
149.5	1137.4 11.1	154.5	584.2 11.0	159.5	34.0 10.9	164.5	-511.8 10.8	169.5	-1051.9 10.8
149.6	1126.3 11.1	154.6	573.1 11.1	159.6	23.0 11.0	164.6	-522.7 10.9	169.6	-1062.6 10.7
149.7	1115.2 11.1	154.7	562.1 11.0	159.7	12.0 11.0	164.7	-533.6 10.9	169.7	-1073.3 10.7
149.8	1104.1 11.1	154.8	551.0 11.1	159.8	1.1 10.9	164.8	-544.4 10.8	169.8	-1084.1 10.8
149.9	1093.1 11.0	154.9	540.0 11.0	159.9	-9.9 11.0	164.9	-555.3 10.9	169.9	-1094.8 10.7
150.0	1082.0-11.1	155.0	529.0-11.0	160.0	-20.8-10.9	165.0	-566.1-10.8	170.0	-1105.5-10.7

R16 Z16		R16 Z16		170.0 - 195.0 R16 Z16		R16 Z16		R16 Z16	
170.0 -1105.5 - .0		175.0 -1637.7 -10.6		180.0 -2161.2 -10.3		185.0 -2674.9 -10.2		190.0 -3177.2 - 9.9	
170.1 -1116.2 10.7		175.1 -1648.2 10.5		180.1 -2171.6 10.4		185.1 -2685.0 10.1		190.1 -3187.1 9.9	
170.2 -1127.0 10.8		175.2 -1658.8 10.6		180.2 -2182.0 10.4		185.2 -2695.2 10.2		190.2 -3197.0 9.9	
170.3 -1137.7 10.7		175.3 -1669.3 10.5		180.3 -2192.4 10.4		185.3 -2705.3 10.1		190.3 -3206.9 9.9	
170.4 -1148.4 10.7		175.4 -1679.9 10.6		180.4 -2202.7 10.3		185.4 -2715.5 10.2		190.4 -3216.8 9.9	
170.5 -1159.1 10.7		175.5 -1690.4 10.5		180.5 -2213.1 10.4		185.5 -2725.6 10.1		190.5 -3226.7 9.9	
170.6 -1169.8 10.7		175.6 -1701.0 10.6		180.6 -2223.4 10.3		185.6 -2735.8 10.2		190.6 -3236.6 9.9	
170.7 -1180.5 10.7		175.7 -1711.5 10.5		180.7 -2233.8 10.4		185.7 -2745.9 10.1		190.7 -3246.5 9.9	
170.8 -1191.2 10.7		175.8 -1722.1 10.6		180.8 -2244.1 10.3		185.8 -2756.0 10.1		190.8 -3256.4 9.9	
170.9 -1201.9 10.7		175.9 -1732.6 10.5		180.9 -2254.5 10.4		185.9 -2766.1 10.1		190.9 -3266.3 9.9	
171.0 -1212.6 10.7		176.0 -1743.1 10.5		181.0 -2264.8 10.3		186.0 -2776.3 10.2		191.0 -3276.2 9.9	
171.1 -1223.3 10.7		176.1 -1753.6 10.5		181.1 -2275.1 10.3		186.1 -2786.4 10.1		191.1 -3286.0 9.8	
171.2 -1233.9 10.6		176.2 -1764.2 10.6		181.2 -2285.5 10.4		186.2 -2796.5 10.1		191.2 -3295.9 9.9	
171.3 -1244.6 10.7		176.3 -1774.7 10.5		181.3 -2295.8 10.3		186.3 -2806.6 10.1		191.3 -3305.8 9.9	
171.4 -1255.3 10.7		176.4 -1785.2 10.5		181.4 -2306.1 10.3		186.4 -2816.7 10.1		191.4 -3315.6 9.8	
171.5 -1266.0 10.7		176.5 -1795.7 10.5		181.5 -2316.4 10.3		186.5 -2826.8 10.1		191.5 -3325.5 9.9	
171.6 -1276.7 10.7		176.6 -1806.2 10.5		181.6 -2326.7 10.3		186.6 -2836.9 10.1		191.6 -3335.3 9.8	
171.7 -1287.3 10.6		176.7 -1816.7 10.5		181.7 -2337.1 10.4		186.7 -2847.0 10.1		191.7 -3345.2 9.9	
171.8 -1298.0 10.7		176.8 -1827.2 10.5		181.8 -2347.4 10.3		186.8 -2857.1 10.1		191.8 -3355.0 9.8	
171.9 -1308.7 10.7		176.9 -1837.7 10.5		181.9 -2357.7 10.3		186.9 -2867.1 10.0		191.9 -3364.8 9.8	
172.0 -1319.3 10.6		177.0 -1848.2 10.5		182.0 -2368.0 10.3		187.0 -2877.2 10.1		192.0 -3374.6 9.8	
172.1 -1330.0 10.7		177.1 -1858.7 10.5		182.1 -2378.2 10.2		187.1 -2887.3 10.1		192.1 -3384.5 9.9	
172.2 -1340.6 10.6		177.2 -1869.2 10.5		182.2 -2388.5 10.3		187.2 -2897.4 10.1		192.2 -3394.3 9.8	
172.3 -1351.3 10.7		177.3 -1879.7 10.5		182.3 -2398.8 10.3		187.3 -2907.4 10.0		192.3 -3404.1 9.8	
172.4 -1361.9 10.6		177.4 -1890.1 10.4		182.4 -2409.1 10.3		187.4 -2917.5 10.1		192.4 -3413.9 9.8	
172.5 -1372.6 10.7		177.5 -1900.6 10.5		182.5 -2419.4 10.3		187.5 -2927.5 10.0		192.5 -3423.7 9.8	
172.6 -1383.2 10.6		177.6 -1911.1 10.5		182.6 -2429.6 10.2		187.6 -2937.6 10.1		192.6 -3433.5 9.8	
172.7 -1393.9 10.7		177.7 -1921.6 10.5		182.7 -2439.9 10.3		187.7 -2947.6 10.0		192.7 -3443.3 9.8	
172.8 -1404.5 10.6		177.8 -1932.0 10.4		182.8 -2450.2 10.3		187.8 -2957.6 10.0		192.8 -3453.0 9.7	
172.9 -1415.1 10.6		177.9 -1942.5 10.5		182.9 -2460.4 10.2		187.9 -2967.7 10.1		192.9 -3462.8 9.8	
173.0 -1425.8 10.7		178.0 -1952.9 10.4		183.0 -2470.7 10.3		188.0 -2977.7 10.0		193.0 -3472.6 9.8	
173.1 -1436.4 10.6		178.1 -1963.4 10.5		183.1 -2480.9 10.2		188.1 -2987.7 10.0		193.1 -3482.3 9.7	
173.2 -1447.0 10.6		178.2 -1973.8 10.4		183.2 -2491.2 10.3		188.2 -2997.7 10.0		193.2 -3492.1 9.8	
173.3 -1457.6 10.6		178.3 -1984.3 10.5		183.3 -2501.4 10.2		188.3 -3007.7 10.0		193.3 -3501.9 9.8	
173.4 -1468.3 10.7		178.4 -1994.7 10.4		183.4 -2511.7 10.3		188.4 -3017.7 10.0		193.4 -3511.6 9.7	
173.5 -1478.9 10.6		178.5 -2005.2 10.5		183.5 -2521.9 10.2		188.5 -3027.7 10.0		193.5 -3521.4 9.8	
173.6 -1489.5 10.6		178.6 -2015.6 10.4		183.6 -2532.1 10.2		188.6 -3037.7 10.0		193.6 -3531.1 9.7	
173.7 -1500.1 10.6		178.7 -2026.0 10.4		183.7 -2542.3 10.2		188.7 -3047.7 10.0		193.7 -3540.8 9.7	
173.8 -1510.7 10.6		178.8 -2036.4 10.4		183.8 -2552.6 10.3		188.8 -3057.7 10.0		193.8 -3550.6 9.8	
173.9 -1521.3 10.6		178.9 -2046.9 10.5		183.9 -2562.8 10.2		188.9 -3067.7 10.0		193.9 -3560.3 9.7	
174.0 -1531.9 10.6		179.0 -2057.3 10.4		184.0 -2573.0 10.2		189.0 -3077.7 10.0		194.0 -3570.0 9.7	
174.1 -1542.5 10.6		179.1 -2067.7 10.4		184.1 -2583.2 10.2		189.1 -3087.7 10.0		194.1 -3579.7 9.7	
174.2 -1553.1 10.6		179.2 -2078.1 10.4		184.2 -2593.4 10.2		189.2 -3097.6 9.9		194.2 -3589.4 9.7	
174.3 -1563.7 10.6		179.3 -2088.5 10.4		184.3 -2603.6 10.2		189.3 -3107.6 10.0		194.3 -3599.1 9.7	
174.4 -1574.2 10.5		179.4 -2098.9 10.4		184.4 -2613.8 10.2		189.4 -3117.5 9.9		194.4 -3608.8 9.7	
174.5 -1584.8 10.6		179.5 -2109.3 10.4		184.5 -2624.0 10.2		189.5 -3127.5 10.0		194.5 -3618.5 9.7	
174.6 -1595.4 10.6		179.6 -2119.7 10.4		184.6 -2634.2 10.2		189.6 -3137.4 9.9		194.6 -3628.2 9.7	
174.7 -1606.0 10.6		179.7 -2130.1 10.4		184.7 -2644.3 10.1		189.7 -3147.4 10.0		194.7 -3637.8 9.6	
174.8 -1616.5 10.5		179.8 -2140.5 10.4		184.8 -2654.5 10.2		189.8 -3157.3 9.9		194.8 -3647.5 9.7	
174.9 -1627.1 10.6		179.9 -2150.9 10.4		184.9 -2664.7 10.2		189.9 -3167.3 10.0		194.9 -3657.2 9.7	
175.0 -1637.7 -10.6		180.0 -2161.2 -10.3		185.0 -2674.9 -10.2		190.0 -3177.2 - 9.9		195.0 -3666.8 - 9.6	

		195.0 - 220.0					
R16	Z16	R16	Z16	R16	Z16	R16	Z16
195.0	-3666.8 - .0	200.0	-4142.5 -9.4	205.0	-4602.8 -9.0	210.0	-5046.4 -8.7
195.1	-3676.5 9.7	200.1	-4151.9 9.4	205.1	-4611.9 9.1	210.1	-5055.1 8.7
195.2	-3686.2 9.7	200.2	-4161.2 9.3	205.2	-4620.9 9.0	210.2	-5063.8 8.7
195.3	-3695.8 9.6	200.3	-4170.6 9.4	205.3	-4629.9 9.0	210.3	-5072.5 8.7
195.4	-3705.4 9.6	200.4	-4179.9 9.3	205.4	-4638.9 9.0	210.4	-5081.1 8.6
195.5	-3715.1 9.7	200.5	-4189.3 9.4	205.5	-4647.9 9.0	210.5	-5089.8 8.7
195.6	-3724.7 9.6	200.6	-4198.6 9.3	205.6	-4657.0 9.1	210.6	-5098.5 8.7
195.7	-3734.3 9.6	200.7	-4207.9 9.3	205.7	-4666.0 9.0	210.7	-5107.1 8.6
195.8	-3743.9 9.6	200.8	-4217.2 9.3	205.8	-4674.9 8.9	210.8	-5115.7 8.6
195.9	-3753.5 9.6	200.9	-4226.5 9.3	205.9	-4683.9 9.0	210.9	-5124.4 8.7
196.0	-3763.1 9.6	201.0	-4235.8 9.3	206.0	-4692.9 9.0	211.0	-5133.0 8.6
196.1	-3772.7 9.6	201.1	-4245.1 9.3	206.1	-4701.9 9.0	211.1	-5141.6 8.6
196.2	-3782.3 9.6	201.2	-4254.4 9.3	206.2	-4710.9 9.0	211.2	-5150.2 8.6
196.3	-3791.9 9.6	201.3	-4263.7 9.3	206.3	-4719.8 8.9	211.3	-5158.8 8.6
196.4	-3801.5 9.6	201.4	-4273.0 9.3	206.4	-4728.8 9.0	211.4	-5167.4 8.6
196.5	-3811.1 9.6	201.5	-4282.3 9.3	206.5	-4737.7 8.9	211.5	-5176.0 8.6
196.6	-3820.6 9.5	201.6	-4291.5 9.2	206.6	-4746.6 8.9	211.6	-5184.6 8.6
196.7	-3830.2 9.6	201.7	-4300.8 9.3	206.7	-4755.6 9.0	211.7	-5193.2 8.6
196.8	-3839.8 9.6	201.8	-4310.1 9.3	206.8	-4764.5 8.9	211.8	-5201.8 8.6
196.9	-3849.3 9.5	201.9	-4319.3 9.2	206.9	-4773.4 8.9	211.9	-5210.3 8.5
197.0	-3858.9 9.6	202.0	-4328.6 9.3	207.0	-4782.3 8.9	212.0	-5218.9 8.6
197.1	-3868.4 9.5	202.1	-4337.8 9.2	207.1	-4791.2 8.9	212.1	-5227.4 8.5
197.2	-3877.9 9.5	202.2	-4347.0 9.2	207.2	-4800.1 8.9	212.2	-5235.9 8.5
197.3	-3887.5 9.6	202.3	-4356.2 9.2	207.3	-4809.0 8.9	212.3	-5244.5 8.6
197.4	-3897.0 9.5	202.4	-4365.5 9.3	207.4	-4817.9 8.9	212.4	-5253.0 8.5
197.5	-3906.5 9.5	202.5	-4374.7 9.2	207.5	-4826.8 8.9	212.5	-5261.5 8.5
197.6	-3916.0 9.5	202.6	-4383.9 9.2	207.6	-4835.7 8.9	212.6	-5270.0 8.5
197.7	-3925.5 9.5	202.7	-4393.1 9.2	207.7	-4844.5 8.8	212.7	-5278.5 8.5
197.8	-3935.0 9.5	202.8	-4402.3 9.2	207.8	-4853.4 8.9	212.8	-5287.0 8.5
197.9	-3944.5 9.5	202.9	-4411.4 9.1	207.9	-4862.2 8.8	212.9	-5295.5 8.5
198.0	-3954.0 9.5	203.0	-4420.6 9.2	208.0	-4871.1 8.9	213.0	-5304.0 8.5
198.1	-3963.5 9.5	203.1	-4429.8 9.2	208.1	-4879.9 8.8	213.1	-5312.5 8.5
198.2	-3973.0 9.5	203.2	-4439.0 9.2	208.2	-4888.7 8.8	213.2	-5320.9 8.4
198.3	-3982.4 9.4	203.3	-4448.1 9.1	208.3	-4897.5 8.8	213.3	-5329.4 8.5
198.4	-3991.9 9.5	203.4	-4457.3 9.2	208.4	-4906.4 8.9	213.4	-5337.8 8.4
198.5	-4001.4 9.5	203.5	-4466.4 9.1	208.5	-4915.2 8.8	213.5	-5346.3 8.5
198.6	-4010.8 9.4	203.6	-4475.6 9.2	208.6	-4924.0 8.8	213.6	-5354.7 8.4
198.7	-4020.3 9.5	203.7	-4484.7 9.1	208.7	-4932.8 8.8	213.7	-5363.1 8.4
198.8	-4029.7 9.4	203.8	-4493.8 9.1	208.8	-4941.5 8.7	213.8	-5371.5 8.4
198.9	-4039.1 9.4	203.9	-4502.9 9.1	208.9	-4950.3 8.8	213.9	-5379.9 8.4
199.0	-4048.6 9.5	204.0	-4512.0 9.1	209.0	-4959.1 8.8	214.0	-5388.3 8.4
199.1	-4058.0 9.4	204.1	-4521.2 9.2	209.1	-4967.9 8.8	214.1	-5396.7 8.4
199.2	-4067.4 9.4	204.2	-4530.3 9.1	209.2	-4976.6 8.7	214.2	-5405.1 8.4
199.3	-4076.8 9.4	204.3	-4539.3 9.0	209.3	-4985.4 8.8	214.3	-5413.5 8.4
199.4	-4086.2 9.4	204.4	-4548.4 9.1	209.4	-4994.1 8.7	214.4	-5421.9 8.4
199.5	-4095.6 9.4	204.5	-4557.5 9.1	209.5	-5002.8 8.7	214.5	-5430.2 8.3
199.6	-4105.0 9.4	204.6	-4566.6 9.1	209.6	-5011.6 8.8	214.6	-5438.6 8.4
199.7	-4114.4 9.4	204.7	-4575.7 9.1	209.7	-5020.3 8.7	214.7	-5446.9 8.3
199.8	-4123.8 9.4	204.8	-4584.7 9.0	209.8	-5029.0 8.7	214.8	-5455.3 8.4
199.9	-4133.1 9.3	204.9	-4593.8 9.1	209.9	-5037.7 8.7	214.9	-5463.6 8.3
200.0	-4142.5 -9.4	205.0	-4602.8 -9.0	210.0	-5046.4 -8.7	215.0	-5471.9 -8.3

R₁₆ (159.81)

			110.0 - 125.0					
R12	X12	Z12	R12	X12	Z12	R12	X12	Z12
110.0	-36.1+.0	-3637.0 +.0	115.0	-30.5+.2	-3393.9 +9.0	120.0	-22.7+.1	-2942.5 +9.1
110.1	-37.9 .2	-3628.3 8.7	115.1	-30.3 .2	-3385.0 8.9	120.1	-22.5 .2	-2933.4 9.1
110.2	-37.8 .1	-3619.5 8.8	115.2	-30.2 .1	-3376.0 9.0	120.2	-22.4 .1	-2924.2 9.2
110.3	-37.6 .2	-3610.7 8.8	115.3	-30.0 .2	-3367.1 8.9	120.3	-22.2 .2	-2915.1 9.1
110.4	-37.5 .1	-3601.9 8.8	115.4	-29.9 .1	-3358.1 9.0	120.4	-22.1 .1	-2906.0 9.1
110.5	-37.3 .2	-3793.1 8.8	115.5	-29.7 .2	-3349.1 9.0	120.5	-21.9 .2	-2896.9 9.1
110.6	-37.2 .1	-3784.3 8.8	115.6	-29.6 .1	-3340.2 8.9	120.6	-21.7 .2	-2887.8 9.1
110.7	-37.0 .2	-3775.5 8.8	115.7	-29.4 .2	-3331.2 9.0	120.7	-21.6 .1	-2878.6 9.2
110.8	-36.9 .1	-3766.7 8.8	115.8	-29.3 .1	-3322.2 9.0	120.8	-21.4 .2	-2869.5 9.1
110.9	-36.7 .2	-3757.9 8.8	115.9	-29.1 .2	-3313.2 9.0	120.9	-21.3 .1	-2860.4 9.1
111.0	-36.6 .1	-3749.1 8.8	116.0	-29.0 .1	-3304.3 8.9	121.0	-21.1 .2	-2851.3 9.1
111.1	-36.4 .2	-3740.3 8.8	116.1	-28.8 .2	-3295.3 9.0	121.1	-20.9 .2	-2842.1 9.2
111.2	-36.3 .1	-3731.5 8.8	116.2	-28.6 .2	-3286.3 9.0	121.2	-20.8 .1	-2833.0 9.1
111.3	-36.1 .2	-3722.7 8.8	116.3	-28.5 .1	-3277.3 9.0	121.3	-20.6 .2	-2823.8 9.2
111.4	-36.0 .1	-3713.9 8.8	116.4	-28.3 .2	-3268.3 9.0	121.4	-20.5 .1	-2814.7 9.1
111.5	-35.8 .2	-3705.0 8.9	116.5	-28.2 .1	-3259.3 9.0	121.5	-20.3 .2	-2805.5 9.2
111.6	-35.7 .1	-3696.2 8.8	116.6	-28.0 .2	-3250.3 9.0	121.6	-20.1 .2	-2796.4 9.1
111.7	-35.5 .2	-3687.4 8.8	116.7	-27.9 .1	-3241.3 9.0	121.7	-20.0 .1	-2787.2 9.2
111.8	-35.4 .1	-3678.5 8.9	116.8	-27.7 .2	-3232.3 9.0	121.8	-19.8 .2	-2778.1 9.1
111.9	-35.2 .2	-3669.7 8.8	116.9	-27.6 .1	-3223.3 9.0	121.9	-19.7 .1	-2768.9 9.2
112.0	-35.1 .1	-3660.9 8.8	117.0	-27.4 .2	-3214.3 9.0	122.0	-19.5 .2	-2759.8 9.1
112.1	-34.9 .2	-3652.0 8.9	117.1	-27.2 .2	-3205.3 9.0	122.1	-19.3 .2	-2750.6 9.2
112.2	-34.8 .1	-3643.2 8.8	117.2	-27.1 .1	-3196.3 9.0	122.2	-19.2 .1	-2741.4 9.2
112.3	-34.6 .2	-3634.3 8.9	117.3	-26.9 .2	-3187.2 9.1	122.3	-19.0 .2	-2732.3 9.1
112.4	-34.5 .1	-3625.4 8.9	117.4	-26.8 .1	-3178.2 9.0	122.4	-18.9 .1	-2723.1 9.2
112.5	-34.3 .2	-3616.6 8.8	117.5	-26.6 .2	-3169.2 9.0	122.5	-18.7 .2	-2713.9 9.2
112.6	-34.2 .1	-3607.7 8.9	117.6	-26.5 .1	-3160.1 9.1	122.6	-18.5 .2	-2704.7 9.2
112.7	-34.0 .2	-3598.9 8.8	117.7	-26.3 .2	-3151.1 9.0	122.7	-18.4 .1	-2695.5 9.2
112.8	-33.9 .1	-3590.0 8.9	117.8	-26.2 .1	-3142.1 9.0	122.8	-18.2 .2	-2686.4 9.1
112.9	-33.7 .2	-3581.1 8.9	117.9	-26.0 .2	-3133.0 9.1	122.9	-18.1 .1	-2677.2 9.2
113.0	-33.6 .1	-3572.2 8.9	118.0	-25.8 .2	-3124.0 9.0	123.0	-17.9 .2	-2668.0 9.2
113.1	-33.4 .2	-3563.3 8.9	118.1	-25.7 .1	-3114.9 9.1	123.1	-17.7 .2	-2658.8 9.2
113.2	-33.3 .1	-3554.5 8.8	118.2	-25.5 .2	-3105.9 9.0	123.2	-17.6 .1	-2649.6 9.2
113.3	-33.1 .2	-3545.6 8.9	118.3	-25.4 .1	-3096.8 9.1	123.3	-17.4 .2	-2640.4 9.2
113.4	-33.0 .1	-3536.7 8.9	118.4	-25.2 .2	-3087.8 9.0	123.4	-17.3 .1	-2631.2 9.2
113.5	-32.8 .2	-3527.8 8.9	118.5	-25.1 .1	-3078.7 9.1	123.5	-17.1 .2	-2622.0 9.2
113.6	-32.7 .1	-3518.9 8.9	118.6	-24.9 .2	-3069.7 9.0	123.6	-16.9 .2	-2612.8 9.2
113.7	-32.5 .2	-3510.0 8.9	118.7	-24.7 .2	-3060.6 9.1	123.7	-16.8 .1	-2603.6 9.2
113.8	-32.3 .2	-3501.1 8.9	118.8	-24.6 .1	-3051.5 9.1	123.8	-16.6 .2	-2594.4 9.2
113.9	-32.2 .1	-3492.2 8.9	118.9	-24.4 .2	-3042.5 9.0	123.9	-16.4 .2	-2585.1 9.3
114.0	-32.0 .2	-3483.2 9.0	119.0	-24.3 .1	-3033.4 9.1	124.0	-16.3 .1	-2575.9 9.2
114.1	-31.9 .1	-3474.3 8.9	119.1	-24.1 .2	-3024.3 9.1	124.1	-16.1 .2	-2566.7 9.2
114.2	-31.7 .2	-3465.4 8.9	119.2	-24.0 .1	-3015.2 9.1	124.2	-16.0 .1	-2557.5 9.2
114.3	-31.6 .1	-3456.5 8.9	119.3	-23.8 .2	-3006.1 9.1	124.3	-15.8 .2	-2548.3 9.2
114.4	-31.4 .2	-3447.6 8.9	119.4	-23.6 .2	-2997.0 9.1	124.4	-15.6 .2	-2539.0 9.3
114.5	-31.3 .1	-3438.6 9.0	119.5	-23.5 .1	-2988.0 9.0	124.5	-15.5 .1	-2529.8 9.2
114.6	-31.1 .2	-3429.7 8.9	119.6	-23.3 .2	-2978.9 9.1	124.6	-15.3 .2	-2520.6 9.2
114.7	-31.0 .1	-3420.8 8.9	119.7	-23.2 .1	-2969.8 9.1	124.7	-15.1 .2	-2511.3 9.3
114.8	-30.8 .2	-3411.8 9.0	119.8	-23.0 .2	-2960.7 9.1	124.8	-15.0 .1	-2502.1 9.2
114.9	-30.7 .1	-3402.9 8.9	119.9	-22.8 .2	-2951.6 9.1	124.9	-14.8 .2	-2492.9 9.2
115.0	-30.5+.2	-3393.9+.0	120.0	-22.7+.1	-2942.5+.1	125.0	-14.7+.1	-2483.6+.3

			125.0 - 140.0					
R12	X12	Z12	R12	X12	Z12	R12	X12	Z12
125.0	-14.4+.0	-2483.6 +.0	130.0	-6.4+.2	-2018.3 +9.4	135.0	2.0+.2	-1547.6 +9.5
125.1	-14.5 .2	-2474.4 9.2	130.1	-6.3 .1	-2009.0 9.3	135.1	2.2 .2	-1538.1 9.5
125.2	-14.3 .2	-2465.1 9.3	130.2	-6.1 .2	-1999.6 9.4	135.2	2.4 .2	-1528.7 9.4
125.3	-14.2 .1	-2455.9 9.2	130.3	-5.9 .2	-1990.2 9.4	135.3	2.5 .1	-1519.2 9.5
125.4	-14.0 .2	-2446.6 9.3	130.4	-5.8 .1	-1980.9 9.3	135.4	2.7 .2	-1509.7 9.5
125.5	-13.8 .2	-2437.4 9.2	130.5	-5.6 .2	-1971.5 9.4	135.5	2.9 .2	-1500.3 9.4
125.6	-13.7 .1	-2428.1 9.3	130.6	-5.4 .2	-1962.1 9.4	135.6	3.0 .1	-1490.8 9.5
125.7	-13.5 .2	-2418.8 9.3	130.7	-5.3 .1	-1952.7 9.4	135.7	3.2 .2	-1481.3 9.5
125.8	-13.4 .1	-2409.6 9.2	130.8	-5.1 .2	-1943.4 9.3	135.8	3.4 .2	-1471.9 9.4
125.9	-13.2 .2	-2400.3 9.3	130.9	-4.9 .2	-1934.0 9.4	135.9	3.6 .2	-1462.4 9.5
126.0	-13.0 .2	-2391.0 9.3	131.0	-4.7 .2	-1924.6 9.4	136.0	3.7 .1	-1452.9 9.5
126.1	-12.9 .1	-2381.8 9.2	131.1	-4.6 .1	-1915.2 9.4	136.1	3.9 .2	-1443.4 9.5
126.2	-12.7 .2	-2372.5 9.3	131.2	-4.4 .2	-1905.8 9.4	136.2	4.1 .2	-1433.9 9.5
126.3	-12.5 .2	-2363.2 9.3	131.3	-4.2 .2	-1896.4 9.4	136.3	4.2 .1	-1424.4 9.5
126.4	-12.4 .1	-2353.9 9.3	131.4	-4.1 .1	-1887.0 9.4	136.4	4.4 .2	-1415.0 9.4
126.5	-12.2 .2	-2344.7 9.2	131.5	-3.9 .2	-1877.7 9.3	136.5	4.6 .2	-1405.5 9.5
126.6	-12.0 .2	-2335.4 9.3	131.6	-3.7 .2	-1868.3 9.4	136.6	4.8 .2	-1396.0 9.5
126.7	-11.9 .1	-2326.1 9.3	131.7	-3.6 .1	-1858.9 9.4	136.7	4.9 .1	-1386.5 9.5
126.8	-11.7 .2	-2316.8 9.3	131.8	-3.4 .2	-1849.5 9.4	136.8	5.1 .2	-1377.0 9.5
126.9	-11.6 .1	-2307.5 9.3	131.9	-3.2 .2	-1840.1 9.4	136.9	5.3 .2	-1367.5 9.5
127.0	-11.4 .2	-2298.2 9.3	132.0	-3.1 .1	-1830.7 9.4	137.0	5.4 .1	-1358.0 9.5
127.1	-11.2 .2	-2288.9 9.3	132.1	-2.9 .2	-1821.2 9.5	137.1	5.6 .2	-1348.5 9.5
127.2	-11.1 .1	-2279.6 9.3	132.2	-2.7 .2	-1811.8 9.4	137.2	5.8 .2	-1339.0 9.5
127.3	-10.9 .2	-2270.3 9.3	132.3	-2.6 .1	-1802.4 9.4	137.3	6.0 .2	-1329.5 9.5
127.4	-10.7 .2	-2261.0 9.3	132.4	-2.4 .2	-1793.0 9.4	137.4	6.1 .1	-1320.0 9.5
127.5	-10.6 .1	-2251.7 9.3	132.5	-2.2 .2	-1783.6 9.4	137.5	6.3 .2	-1310.5 9.5
127.6	-10.4 .2	-2242.4 9.3	132.6	-2.1 .1	-1774.2 9.4	137.6	6.5 .2	-1301.0 9.5
127.7	-10.2 .2	-2233.1 9.3	132.7	-1.9 .2	-1764.8 9.4	137.7	6.6 .1	-1291.5 9.5
127.8	-10.1 .1	-2223.8 9.3	132.8	-1.7 .2	-1755.3 9.5	137.8	6.8 .2	-1282.0 9.5
127.9	-9.9 .2	-2214.5 9.3	132.9	-1.6 .1	-1745.9 9.4	137.9	7.0 .2	-1272.5 9.5
128.0	-9.7 .2	-2205.2 9.3	133.0	-1.4 .2	-1736.5 9.4	138.0	7.2 .2	-1263.0 9.5
128.1	-9.6 .1	-2195.8 9.4	133.1	-1.2 .2	-1727.1 9.4	138.1	7.3 .1	-1253.4 9.6
128.2	-9.4 .2	-2186.5 9.3	133.2	-1.0 .2	-1717.6 9.5	138.2	7.5 .2	-1243.9 9.5
128.3	-9.2 .2	-2177.2 9.3	133.3	-.9 .1	-1708.2 9.4	138.3	7.7 .2	-1234.4 9.5
128.4	-9.1 .1	-2167.9 9.3	133.4	-.7 .2	-1698.8 9.4	138.4	7.9 .2	-1224.9 9.5
128.5	-8.9 .2	-2158.5 9.4	133.5	-.5 .2	-1689.3 9.5	138.5	8.0 .1	-1215.4 9.5
128.6	-8.7 .2	-2149.2 9.3	133.6	-.4 .1	-1679.9 9.4	138.6	8.2 .2	-1205.9 9.5
128.7	-8.6 .1	-2139.9 9.3	133.7	-.2 .2	-1670.5 9.4	138.7	8.4 .2	-1196.3 9.6
128.8	-8.4 .2	-2130.5 9.4	133.8	.0 .2	-1661.0 9.5	138.8	8.5 .1	-1186.8 9.5
128.9	-8.3 .1	-2121.2 9.3	133.9	.1 .1	-1651.6 9.4	138.9	8.7 .2	-1177.3 9.5
129.0	-8.1 .2	-2111.9 9.3	134.0	.3 .2	-1642.1 9.5	139.0	8.9 .2	-1167.8 9.5
129.1	-7.9 .2	-2102.5 9.4	134.1	.5 .2	-1632.7 9.4	139.1	9.1 .2	-1158.2 9.6
129.2	-7.8 .1	-2093.2 9.3	134.2	.7 .2	-1623.3 9.4	139.2	9.2 .1	-1148.7 9.5
129.3	-7.6 .2	-2083.8 9.4	134.3	.8 .1	-1613.8 9.5	139.3	9.4 .2	-1139.2 9.5
129.4	-7.4 .2	-2074.5 9.3	134.4	1.0 .2	-1604.4 9.4	139.4	9.6 .2	-1129.6 9.6
129.5	-7.3 .1	-2065.1 9.4	134.5	1.2 .2	-1594.9 9.5	139.5	9.8 .2	-1120.1 9.5
129.6	-7.1 .2	-2055.8 9.3	134.6	1.3 .1	-1585.4 9.5	139.6	9.9 .1	-1110.6 9.5
129.7	-6.9 .2	-2046.4 9.4	134.7	1.5 .2	-1576.0 9.4	139.7	10.1 .2	-1101.0 9.6
129.8	-6.8 .1	-2037.1 9.3	134.8	1.7 .2	-1566.5 9.5	139.8	10.3 .2	-1091.5 9.5
129.9	-6.6 .2	-2027.7 9.4	134.9	1.8 .1	-1557.1 9.4	139.9	10.5 .2	-1081.9 9.6
130.0	-6.4+.2	-2018.3 +9.4	135.0	2.0+.2	-1547.6 +9.5	140.0	10.6+.1	-1072.4+ 9.5

			140.0 - 155.0					
R12	X12	Z12	R12	X12	Z12	R12	X12	Z12
140.0	10.6+.0	-1072.4 +.0	145.0	19.4+.1	-593.6 +9.7	150.0	28.4+.2	-112.3 +9.7
140.1	10.8 .2	-1062.9 9.5	145.1	19.6 .2	-584.0 9.6	150.1	28.6 .2	-102.7 9.6
140.2	11.0 .2	-1053.3 9.6	145.2	19.8 .2	-574.4 9.6	150.2	28.8 .2	-93.0 9.7
140.3	11.2 .2	-1043.8 9.5	145.3	20.0 .2	-564.8 9.6	150.3	28.9 .1	-83.4 9.6
140.4	11.3 .1	-1034.2 9.6	145.4	20.1 .1	-555.2 9.6	150.4	29.1 .2	-73.8 9.6
140.5	11.5 .2	-1024.7 9.5	145.5	20.3 .2	-545.6 9.6	150.5	29.3 .2	-64.1 9.7
140.6	11.7 .2	-1015.1 9.6	145.6	20.5 .2	-536.0 9.6	150.6	29.5 .2	-54.5 9.6
140.7	11.9 .2	-1005.6 9.5	145.7	20.7 .2	-526.4 9.6	150.7	29.7 .2	-44.8 9.7
140.8	12.0 .1	-996.0 9.6	145.8	20.9 .2	-516.8 9.6	150.8	29.8 .1	-35.2 9.6
140.9	12.2 .2	-986.5 9.5	145.9	21.0 .1	-507.2 9.6	150.9	30.0 .2	-25.5 9.7
141.0	12.4 .2	-976.9 9.6	146.0	21.2 .2	-497.6 9.6	151.0	30.2 .2	-15.9 9.6
141.1	12.6 .2	-967.3 9.6	146.1	21.4 .2	-487.9 9.7	151.1	30.4 .2	-6.2 9.7
141.2	12.7 .1	-957.8 9.5	146.2	21.6 .2	-478.3 9.6	151.2	30.6 .2	3.4 9.6
141.3	12.9 .2	-948.2 9.6	146.3	21.7 .1	-468.7 9.6	151.3	30.8 .2	13.1 9.7
141.4	13.1 .2	-938.7 9.5	146.4	21.9 .2	-459.1 9.6	151.4	30.9 .1	22.8 9.7
141.5	13.3 .2	-929.1 9.6	146.5	22.1 .2	-449.5 9.6	151.5	31.1 .2	32.4 9.6
141.6	13.4 .1	-919.5 9.6	146.6	22.3 .2	-439.9 9.6	151.6	31.3 .2	42.1 9.7
141.7	13.6 .2	-910.0 9.5	146.7	22.5 .2	-430.2 9.7	151.7	31.5 .2	51.7 9.6
141.8	13.8 .2	-900.4 9.6	146.8	22.6 .1	-420.6 9.6	151.8	31.7 .2	61.4 9.7
141.9	14.0 .2	-890.8 9.6	146.9	22.8 .2	-411.0 9.6	151.9	31.8 .1	71.0 9.6
142.0	14.1 .1	-881.3 9.5	147.0	23.0 .2	-401.4 9.6	152.0	32.0 .2	80.7 9.7
142.1	14.3 .2	-871.7 9.6	147.1	23.2 .2	-391.8 9.6	152.1	32.2 .2	90.3 9.6
142.2	14.5 .2	-862.1 9.6	147.2	23.4 .2	-382.1 9.7	152.2	32.4 .2	100.0 9.7
142.3	14.7 .2	-852.6 9.5	147.3	23.5 .1	-372.5 9.6	152.3	32.6 .2	109.7 9.7
142.4	14.8 .1	-843.0 9.6	147.4	23.7 .2	-362.9 9.6	152.4	32.8 .2	119.3 9.6
142.5	15.0 .2	-833.4 9.6	147.5	23.9 .2	-353.3 9.6	152.5	32.9 .1	129.0 9.7
142.6	15.2 .2	-823.8 9.6	147.6	24.1 .2	-343.6 9.7	152.6	33.1 .2	138.6 9.6
142.7	15.4 .2	-814.2 9.6	147.7	24.3 .2	-334.0 9.6	152.7	33.3 .2	148.3 9.7
142.8	15.5 .1	-804.7 9.5	147.8	24.4 .1	-324.4 9.6	152.8	33.5 .2	158.0 9.7
142.9	15.7 .2	-795.1 9.6	147.9	24.6 .2	-314.7 9.7	152.9	33.7 .2	167.6 9.6
143.0	15.9 .2	-785.5 9.6	148.0	24.8 .2	-305.1 9.6	153.0	33.9 .2	177.3 9.7
143.1	16.1 .2	-775.9 9.6	148.1	25.0 .2	-295.5 9.6	153.1	34.0 .1	186.9 9.6
143.2	16.2 .1	-766.3 9.6	148.2	25.1 .1	-285.8 9.7	153.2	34.2 .2	196.6 9.7
143.3	16.4 .2	-756.8 9.5	148.3	25.3 .2	-276.2 9.6	153.3	34.4 .2	206.3 9.7
143.4	16.6 .2	-747.2 9.6	148.4	25.5 .2	-266.6 9.6	153.4	34.6 .2	215.9 9.6
143.5	16.8 .2	-737.6 9.6	148.5	25.7 .2	-256.9 9.7	153.5	34.8 .2	225.6 9.7
143.6	16.9 .1	-728.0 9.6	148.6	25.9 .2	-247.3 9.6	153.6	34.9 .1	235.2 9.6
143.7	17.1 .2	-718.4 9.6	148.7	26.0 .1	-237.7 9.6	153.7	35.1 .2	244.9 9.7
143.8	17.3 .2	-708.8 9.6	148.8	26.2 .2	-228.0 9.7	153.8	35.3 .2	254.6 9.7
143.9	17.5 .2	-699.2 9.6	148.9	26.4 .2	-218.4 9.6	153.9	35.5 .2	264.2 9.6
144.0	17.7 .2	-689.6 9.6	149.0	26.6 .2	-208.8 9.6	154.0	35.7 .2	273.9 9.7
144.1	17.8 .1	-680.0 9.6	149.1	26.8 .2	-199.1 9.7	154.1	35.9 .2	283.6 9.7
144.2	18.0 .2	-670.4 9.6	149.2	27.0 .2	-189.5 9.6	154.2	36.0 .1	293.2 9.6
144.3	18.2 .2	-660.8 9.6	149.3	27.1 .1	-179.8 9.7	154.3	36.2 .2	302.9 9.7
144.4	18.4 .2	-651.3 9.5	149.4	27.3 .2	-170.2 9.6	154.4	36.4 .2	312.6 9.7
144.5	18.5 .1	-641.7 9.6	149.5	27.5 .2	-160.6 9.6	154.5	36.6 .2	322.2 9.6
144.6	18.7 .2	-632.1 9.6	149.6	27.7 .2	-150.9 9.7	154.6	36.8 .2	331.9 9.7
144.7	18.9 .2	-622.5 9.6	149.7	27.9 .2	-141.3 9.6	154.7	37.0 .2	341.6 9.7
144.8	19.1 .2	-612.9 9.6	149.8	28.0 .1	-131.6 9.7	154.8	37.2 .2	351.2 9.6
144.9	19.3 .2	-603.3 9.6	149.9	28.2 .2	-122.0 9.6	154.9	37.3 .1	360.9 9.7
145.0	19.4+.1	-593.6 +9.7	150.0	28.4+.2	-112.3 +9.7	155.0	37.5+.2	370.6 +9.7

			155.0 - 170.0					
R12	X12	Z12	R12	X12	Z12	R12	X12	Z12
155.0	37.5+.0	370.6 +.0	160.0	46.8+.2	854.1 +9.7	165.0	56.2+.2	1337.3 +9.7
155.1	37.7 .2	380.2 9.6	160.1	47.0 .2	863.8 9.7	165.1	56.4 .2	1347.0 9.7
155.2	37.9 .2	389.9 9.7	160.2	47.2 .2	873.4 9.6	165.2	56.6 .2	1356.6 9.6
155.3	38.1 .2	399.6 9.7	160.3	47.4 .2	883.1 9.7	165.3	56.8 .2	1366.3 9.7
155.4	38.3 .2	409.2 9.6	160.4	47.5 .1	892.8 9.7	165.4	57.0 .2	1375.9 9.6
155.5	38.4 .1	418.9 9.7	160.5	47.7 .2	902.5 9.7	165.5	57.1 .1	1385.6 9.7
155.6	38.6 .2	428.6 9.7	160.6	47.9 .2	912.1 9.6	165.6	57.3 .2	1395.2 9.6
155.7	38.8 .2	438.2 9.6	160.7	48.1 .2	921.8 9.7	165.7	57.5 .2	1404.9 9.7
155.8	39.0 .2	447.9 9.7	160.8	48.3 .2	931.5 9.7	165.8	57.7 .2	1414.5 9.6
155.9	39.2 .2	457.6 9.7	160.9	48.5 .2	941.1 9.6	165.9	57.9 .2	1424.2 9.7
156.0	39.4 .2	467.3 9.7	161.0	48.7 .2	950.8 9.7	166.0	58.1 .2	1433.8 9.6
156.1	39.5 .1	476.9 9.6	161.1	48.8 .1	960.5 9.7	166.1	58.3 .2	1443.5 9.7
156.2	39.7 .2	486.6 9.7	161.2	49.0 .2	970.1 9.6	166.2	58.5 .2	1453.1 9.6
156.3	39.9 .2	496.3 9.7	161.3	49.2 .2	979.8 9.7	166.3	58.7 .2	1462.8 9.7
156.4	40.1 .2	505.9 9.6	161.4	49.4 .2	989.5 9.7	166.4	58.9 .2	1472.4 9.6
156.5	40.3 .2	515.6 9.7	161.5	49.6 .2	999.1 9.6	166.5	59.1 .2	1482.1 9.7
156.6	40.5 .2	525.3 9.7	161.6	49.8 .2	1008.8 9.7	166.6	59.2 .1	1491.7 9.6
156.7	40.7 .2	534.9 9.6	161.7	50.0 .2	1018.5 9.7	166.7	59.4 .2	1501.3 9.6
156.8	40.8 .1	544.6 9.7	161.8	50.2 .2	1028.1 9.6	166.8	59.6 .2	1511.0 9.7
156.9	41.0 .2	554.3 9.7	161.9	50.4 .2	1037.8 9.7	166.9	59.8 .2	1520.6 9.6
157.0	41.2 .2	564.0 9.7	162.0	50.5 .1	1047.5 9.7	167.0	60.0 .2	1530.3 9.7
157.1	41.4 .2	573.6 9.6	162.1	50.7 .2	1057.1 9.6	167.1	60.2 .2	1539.9 9.6
157.2	41.6 .2	583.3 9.7	162.2	50.9 .2	1066.8 9.7	167.2	60.4 .2	1549.6 9.7
157.3	41.8 .2	593.0 9.7	162.3	51.1 .2	1076.5 9.7	167.3	60.6 .2	1559.2 9.6
157.4	42.0 .2	602.6 9.6	162.4	51.3 .2	1086.1 9.6	167.4	60.8 .2	1568.8 9.6
157.5	42.1 .1	612.3 9.7	162.5	51.5 .2	1095.8 9.7	167.5	61.0 .2	1578.5 9.7
157.6	42.3 .2	622.0 9.7	162.6	51.7 .2	1105.5 9.7	167.6	61.1 .1	1588.1 9.6
157.7	42.5 .2	631.7 9.7	162.7	51.9 .2	1115.1 9.6	167.7	61.3 .2	1597.8 9.7
157.8	42.7 .2	641.3 9.6	162.8	52.0 .1	1124.8 9.7	167.8	61.5 .2	1607.4 9.6
157.9	42.9 .2	651.0 9.7	162.9	52.2 .2	1134.5 9.7	167.9	61.7 .2	1617.0 9.6
158.0	43.1 .2	660.7 9.7	163.0	52.4 .2	1144.1 9.6	168.0	61.9 .2	1626.7 9.7
158.1	43.3 .2	670.3 9.6	163.1	52.6 .2	1153.8 9.7	168.1	62.1 .2	1636.3 9.6
158.2	43.4 .1	680.0 9.7	163.2	52.8 .2	1163.4 9.6	168.2	62.3 .2	1645.9 9.6
158.3	43.6 .2	689.7 9.7	163.3	53.0 .2	1173.1 9.7	168.3	62.5 .2	1655.6 9.7
158.4	43.8 .2	699.4 9.7	163.4	53.2 .2	1182.8 9.7	168.4	62.7 .2	1665.2 9.6
158.5	44.0 .2	709.0 9.6	163.5	53.4 .2	1192.4 9.6	168.5	62.9 .2	1674.8 9.6
158.6	44.2 .2	718.7 9.7	163.6	53.6 .2	1202.1 9.7	168.6	63.1 .2	1684.5 9.7
158.7	44.4 .2	728.4 9.7	163.7	53.7 .1	1211.8 9.7	168.7	63.2 .1	1694.1 9.6
158.8	44.6 .2	738.0 9.6	163.8	53.9 .2	1221.4 9.6	168.8	63.4 .2	1703.7 9.6
158.9	44.7 .1	747.7 9.7	163.9	54.1 .2	1231.1 9.7	168.9	63.6 .2	1713.3 9.6
159.0	44.9 .2	757.4 9.7	164.0	54.3 .2	1240.7 9.6	169.0	63.8 .2	1723.0 9.7
159.1	45.1 .2	767.1 9.7	164.1	54.5 .2	1250.4 9.7	169.1	64.0 .2	1732.6 9.6
159.2	45.3 .2	776.7 9.6	164.2	54.7 .2	1260.1 9.7	169.2	64.2 .2	1742.2 9.6
159.3	45.5 .2	786.4 9.7	164.3	54.9 .2	1269.7 9.6	169.3	64.4 .2	1751.9 9.7
159.4	45.7 .2	796.1 9.7	164.4	55.1 .2	1279.4 9.7	169.4	64.6 .2	1761.5 9.6
159.5	45.9 .2	805.7 9.6	164.5	55.3 .2	1289.0 9.6	169.5	64.8 .2	1771.1 9.6
159.6	46.0 .1	815.4 9.7	164.6	55.4 .1	1298.7 9.7	169.6	65.0 .2	1780.7 9.6
159.7	46.2 .2	825.1 9.7	164.7	55.6 .2	1308.3 9.6	169.7	65.2 .2	1790.3 9.6
159.8	46.4 .2	834.8 9.7	164.8	55.8 .2	1318.0 9.7	169.8	65.4 .2	1800.0 9.7
159.9	46.6 .2	844.4 9.6	164.9	56.0 .2	1327.6 9.6	169.9	65.5 .1	1809.6 9.6
160.0	46.8+.2	854.1 +9.7	165.0	56.2+.2	1337.3 +9.7	170.0	65.7+.2	1819.2 +9.6

170.0 - 185.0

R12	X12	Z12	R12	X12	Z12	R12	X12	Z12
170.0	65.7+.0	1819.2 +.0	175.0	75.4+.2	2298.8 +9.5	180.0	85.2+.2	2775.3 +9.5
170.1	65.9 .2	1828.8 9.6	175.1	75.6 .2	2308.4 9.6	180.1	85.4 .2	2784.7 9.4
170.2	66.1 .2	1838.4 9.6	175.2	75.8 .2	2318.0 9.6	180.2	85.6 .2	2794.2 9.5
170.3	66.3 .2	1848.1 9.7	175.3	76.0 .2	2327.5 9.5	180.3	85.8 .2	2803.7 9.5
170.4	66.5 .2	1857.7 9.6	175.4	76.2 .2	2337.1 9.6	180.4	86.0 .2	2813.2 9.5
170.5	66.7 .2	1867.3 9.6	175.5	76.4 .2	2346.6 9.5	180.5	86.2 .2	2822.7 9.5
170.6	66.9 .2	1876.9 9.6	175.6	76.6 .2	2356.2 9.6	180.6	86.3 .1	2832.2 9.5
170.7	67.1 .2	1886.5 9.6	175.7	76.8 .2	2365.8 9.6	180.7	86.5 .2	2841.6 9.4
170.8	67.3 .2	1896.1 9.6	175.8	77.0 .2	2375.3 9.5	180.8	86.7 .2	2851.1 9.5
170.9	67.5 .2	1905.7 9.6	175.9	77.2 .2	2384.9 9.6	180.9	86.9 .2	2860.6 9.5
171.0	67.7 .2	1915.3 9.6	176.0	77.3 .1	2394.4 9.5	181.0	87.1 .2	2870.1 9.5
171.1	67.9 .2	1925.0 9.7	176.1	77.5 .2	2404.0 9.6	181.1	87.3 .2	2879.5 9.4
171.2	68.0 .1	1934.6 9.6	176.2	77.7 .2	2413.5 9.5	181.2	87.5 .2	2889.0 9.5
171.3	68.2 .2	1944.2 9.6	176.3	77.9 .2	2423.1 9.6	181.3	87.7 .2	2898.5 9.5
171.4	68.4 .2	1953.8 9.6	176.4	78.1 .2	2432.6 9.5	181.4	87.9 .2	2907.9 9.4
171.5	68.6 .2	1963.4 9.6	176.5	78.3 .2	2442.2 9.6	181.5	88.1 .2	2917.4 9.5
171.6	68.8 .2	1973.0 9.6	176.6	78.5 .2	2451.7 9.5	181.6	88.3 .2	2926.9 9.5
171.7	69.0 .2	1982.6 9.6	176.7	78.7 .2	2461.2 9.5	181.7	88.5 .2	2936.3 9.4
171.8	69.2 .2	1992.2 9.6	176.8	78.9 .2	2470.8 9.6	181.8	88.7 .2	2945.8 9.5
171.9	69.4 .2	2001.8 9.6	176.9	79.1 .2	2480.3 9.5	181.9	88.9 .2	2955.2 9.4
172.0	69.6 .2	2011.4 9.6	177.0	79.3 .2	2489.9 9.6	182.0	89.1 .2	2964.7 9.5
172.1	69.8 .2	2021.0 9.6	177.1	79.5 .2	2499.4 9.5	182.1	89.3 .2	2974.2 9.5
172.2	70.0 .2	2030.6 9.6	177.2	79.7 .2	2508.9 9.5	182.2	89.5 .2	2983.6 9.4
172.3	70.2 .2	2040.2 9.6	177.3	79.9 .2	2518.5 9.6	182.3	89.7 .2	2993.1 9.5
172.4	70.4 .2	2049.8 9.6	177.4	80.1 .2	2528.0 9.5	182.4	89.9 .2	3002.5 9.4
172.5	70.6 .2	2059.4 9.6	177.5	80.3 .2	2537.5 9.5	182.5	90.1 .2	3011.9 9.4
172.6	70.7 .1	2069.0 9.6	177.6	80.5 .2	2547.0 9.5	182.6	90.3 .2	3021.4 9.5
172.7	70.9 .2	2078.6 9.6	177.7	80.7 .2	2556.6 9.6	182.7	90.5 .2	3030.8 9.4
172.8	71.1 .2	2088.1 9.5	177.8	80.9 .2	2566.1 9.5	182.8	90.7 .2	3040.3 9.5
172.9	71.3 .2	2097.7 9.6	177.9	81.1 .2	2575.6 9.5	182.9	90.9 .2	3049.7 9.4
173.0	71.5 .2	2107.3 9.6	178.0	81.2 .1	2585.1 9.5	183.0	91.1 .2	3059.1 9.4
173.1	71.7 .2	2116.9 9.6	178.1	81.4 .2	2594.7 9.6	183.1	91.3 .2	3068.6 9.5
173.2	71.9 .2	2126.5 9.6	178.2	81.6 .2	2604.2 9.5	183.2	91.5 .2	3078.0 9.4
173.3	72.1 .2	2136.1 9.6	178.3	81.8 .2	2613.7 9.5	183.3	91.7 .2	3087.4 9.4
173.4	72.3 .2	2145.7 9.6	178.4	82.0 .2	2623.2 9.5	183.4	91.9 .2	3096.9 9.5
173.5	72.5 .2	2155.2 9.5	178.5	82.2 .2	2632.7 9.5	183.5	92.1 .2	3106.3 9.4
173.6	72.7 .2	2164.8 9.6	178.6	82.4 .2	2642.2 9.5	183.6	92.3 .2	3115.7 9.4
173.7	72.9 .2	2174.4 9.6	178.7	82.6 .2	2651.8 9.6	183.7	92.5 .2	3125.2 9.5
173.8	73.1 .2	2184.0 9.6	178.8	82.8 .2	2661.3 9.5	183.8	92.7 .2	3134.6 9.4
173.9	73.3 .2	2193.6 9.6	178.9	83.0 .2	2670.8 9.5	183.9	92.9 .2	3144.0 9.4
174.0	73.5 .2	2203.1 9.5	179.0	83.2 .2	2680.3 9.5	184.0	93.1 .2	3153.4 9.4
174.1	73.7 .2	2212.7 9.6	179.1	83.4 .2	2689.8 9.5	184.1	93.3 .2	3162.8 9.4
174.2	73.8 .1	2222.3 9.6	179.2	83.6 .2	2699.3 9.5	184.2	93.5 .2	3172.2 9.4
174.3	74.0 .2	2231.9 9.6	179.3	83.8 .2	2708.8 9.5	184.3	93.6 .1	3181.6 9.4
174.4	74.2 .2	2241.4 9.5	179.4	84.0 .2	2718.3 9.5	184.4	93.8 .2	3191.1 9.5
174.5	74.4 .2	2251.0 9.6	179.5	84.2 .2	2727.8 9.5	184.5	94.0 .2	3200.5 9.4
174.6	74.6 .2	2260.6 9.6	179.6	84.4 .2	2737.3 9.5	184.6	94.2 .2	3209.9 9.4
174.7	74.8 .2	2270.1 9.5	179.7	84.6 .2	2746.8 9.5	184.7	94.4 .2	3219.3 9.4
174.8	75.0 .2	2279.7 9.6	179.8	84.8 .2	2756.3 9.5	184.8	94.6 .2	3228.7 9.4
174.9	75.2 .2	2289.3 9.6	179.9	85.0 .2	2765.8 9.5	184.9	94.8 .2	3238.1 9.4
175.0	75.4+.2	2298.8 +9.5	180.0	85.2+.2	2775.3 +9.5	185.0	95.0+.2	3247.5 +9.4

			185.0 - 200.0					
R12	X12	Z12	R12	X12	Z12	R12	X12	Z12
185.0	95.0+.0	3247.5 +.0	190.0	105.0+.2	3714.5 +9.3	195.0	115.0+.2	4175.5 +9.2
185.1	95.2 .2	3256.9 9.4	190.1	105.2 .2	3723.8 9.3	195.1	115.2 .2	4184.6 9.1
185.2	95.4 .2	3266.3 9.4	190.2	105.4 .2	3733.1 9.3	195.2	115.4 .2	4193.7 9.1
185.3	95.6 .2	3275.6 9.3	190.3	105.6 .2	3742.4 9.3	195.3	115.6 .2	4202.9 9.2
185.4	95.8 .2	3285.0 9.4	190.4	105.8 .2	3751.6 9.2	195.4	115.8 .2	4212.0 9.1
185.5	96.0 .2	3294.4 9.4	190.5	106.0 .2	3760.9 9.3	195.5	116.0 .2	4221.2 9.2
185.6	96.2 .2	3303.8 9.4	190.6	106.2 .2	3770.2 9.3	195.6	116.2 .2	4230.3 9.1
185.7	96.4 .2	3313.2 9.4	190.7	106.4 .2	3779.4 9.2	195.7	116.4 .2	4239.4 9.1
185.8	96.6 .2	3322.6 9.4	190.8	106.6 .2	3788.7 9.3	195.8	116.6 .2	4248.6 9.2
185.9	96.8 .2	3331.9 9.3	190.9	106.8 .2	3798.0 9.3	195.9	116.9 .3	4257.7 9.1
186.0	97.0 .2	3341.3 9.4	191.0	107.0 .2	3807.2 9.2	196.0	117.1 .2	4266.8 9.1
186.1	97.2 .2	3350.7 9.4	191.1	107.2 .2	3816.5 9.3	196.1	117.3 .2	4275.9 9.1
186.2	97.4 .2	3360.1 9.4	191.2	107.4 .2	3825.7 9.2	196.2	117.5 .2	4285.1 9.2
186.3	97.6 .2	3369.4 9.3	191.3	107.6 .2	3835.0 9.3	196.3	117.7 .2	4294.2 9.1
186.4	97.8 .2	3378.8 9.4	191.4	107.8 .2	3844.2 9.2	196.4	117.9 .2	4303.3 9.1
186.5	98.0 .2	3388.2 9.4	191.5	108.0 .2	3853.5 9.3	196.5	118.1 .2	4312.4 9.1
186.6	98.2 .2	3397.5 9.3	191.6	108.2 .2	3862.7 9.2	196.6	118.3 .2	4321.5 9.1
186.7	98.4 .2	3406.9 9.4	191.7	108.4 .2	3872.0 9.3	196.7	118.5 .2	4330.6 9.1
186.8	98.6 .2	3416.3 9.4	191.8	108.6 .2	3881.2 9.2	196.8	118.7 .2	4339.7 9.1
186.9	98.8 .2	3425.6 9.3	191.9	108.8 .2	3890.5 9.3	196.9	118.9 .2	4348.8 9.1
187.0	99.0 .2	3435.0 9.4	192.0	109.0 .2	3899.7 9.2	197.0	119.1 .2	4357.9 9.1
187.1	99.2 .2	3444.3 9.3	192.1	109.2 .2	3908.9 9.2	197.1	119.3 .2	4367.0 9.1
187.2	99.4 .2	3453.7 9.4	192.2	109.4 .2	3918.1 9.2	197.2	119.5 .2	4376.1 9.1
187.3	99.6 .2	3463.0 9.3	192.3	109.6 .2	3927.4 9.3	197.3	119.7 .2	4385.2 9.1
187.4	99.8 .2	3472.4 9.4	192.4	109.8 .2	3936.6 9.2	197.4	119.9 .2	4394.2 9.0
187.5	100.0 .2	3481.7 9.3	192.5	110.0 .2	3945.8 9.2	197.5	120.1 .2	4403.3 9.1
187.6	100.2 .2	3491.0 9.3	192.6	110.2 .2	3955.0 9.2	197.6	120.3 .2	4412.4 9.1
187.7	100.4 .2	3500.4 9.4	192.7	110.4 .2	3964.2 9.2	197.7	120.5 .2	4421.5 9.1
187.8	100.6 .2	3509.7 9.3	192.8	110.6 .2	3973.5 9.3	197.8	120.7 .2	4430.5 9.0
187.9	100.8 .2	3519.1 9.4	192.9	110.8 .2	3982.7 9.2	197.9	120.9 .2	4439.6 9.1
188.0	101.0 .2	3528.4 9.3	193.0	111.0 .2	3991.9 9.2	198.0	121.1 .2	4448.7 9.1
188.1	101.2 .2	3537.7 9.3	193.1	111.2 .2	4001.1 9.2	198.1	121.3 .2	4457.7 9.0
188.2	101.4 .2	3547.0 9.3	193.2	111.4 .2	4010.3 9.2	198.2	121.5 .2	4466.8 9.1
188.3	101.6 .2	3556.4 9.4	193.3	111.6 .2	4019.5 9.2	198.3	121.7 .2	4475.8 9.0
188.4	101.8 .2	3565.7 9.3	193.4	111.8 .2	4028.7 9.2	198.4	121.9 .2	4484.9 9.1
188.5	102.0 .2	3575.0 9.3	193.5	112.0 .2	4037.9 9.2	198.5	122.1 .2	4493.9 9.0
188.6	102.2 .2	3584.3 9.3	193.6	112.2 .2	4047.1 9.2	198.6	122.3 .2	4503.0 9.1
188.7	102.4 .2	3593.6 9.3	193.7	112.4 .2	4056.3 9.2	198.7	122.5 .2	4512.0 9.0
188.8	102.6 .2	3603.0 9.4	193.8	112.6 .2	4065.4 9.1	198.8	122.7 .2	4521.1 9.1
188.9	102.8 .2	3612.3 9.3	193.9	112.8 .2	4074.6 9.2	198.9	122.9 .2	4530.1 9.0
189.0	103.0 .2	3621.6 9.3	194.0	113.0 .2	4083.8 9.2	199.0	123.1 .2	4539.1 9.0
189.1	103.2 .2	3630.9 9.3	194.1	113.2 .2	4093.0 9.2	199.1	123.3 .2	4548.2 9.1
189.2	103.4 .2	3640.2 9.3	194.2	113.4 .2	4102.2 9.2	199.2	123.5 .2	4557.2 9.0
189.3	103.6 .2	3649.5 9.3	194.3	113.6 .2	4111.3 9.1	199.3	123.7 .2	4566.2 9.0
189.4	103.8 .2	3658.8 9.3	194.4	113.8 .2	4120.5 9.2	199.4	123.9 .2	4575.2 9.0
189.5	104.0 .2	3668.1 9.3	194.5	114.0 .2	4129.7 9.2	199.5	124.1 .2	4584.3 9.1
189.6	104.2 .2	3677.4 9.3	194.6	114.2 .2	4138.8 9.1	199.6	124.3 .2	4593.3 9.0
189.7	104.4 .2	3686.7 9.3	194.7	114.4 .2	4148.0 9.2	199.7	124.5 .2	4602.3 9.0
189.8	104.6 .2	3696.0 9.3	194.8	114.6 .2	4157.1 9.1	199.8	124.7 .2	4611.3 9.0
189.9	104.8 .2	3705.2 9.2	194.9	114.8 .2	4166.3 9.2	199.9	124.9 .2	4620.3 9.0
190.0	105.0+.2	3714.5 +9.3	195.0	115.0+.2	4175.5 +9.2	200.0	125.1+.2	4629.3 +9.0

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XT _____

X36 _____

X28 _____

X20 _____

X12 _____

ΔV_X _____

R_{12} _____ (151.09

ZT _____

Z36 _____

Z32 _____

Z28 _____

Z20 _____

Z16 _____

Z12 _____

ΔV_Z _____

NSR - RANGE ONLY CHART

ΔT	XT	ZT
30.	-1.8 + .0	27.9 - .0
31.	-1.7 .1	26.6 1.3
32.	-1.7 .0	25.4 1.2
33.	-1.6 .1	24.1 1.3
34.	-1.5 .1	22.9 1.2
35.	-1.4 .1	21.7 1.2
36.	-1.3 .1	20.4 1.3
37.	-1.2 .1	19.2 1.2
38.	-1.1 .1	17.9 1.3
39.	-1.1 .0	16.7 1.2
40.	-1.0 .1	15.5 1.2
41.	-.9 .1	14.2 1.3
42.	-.8 .1	13.0 1.2
43.	-.7 .1	11.7 1.3
44.	-.6 .1	10.5 1.2
45.	-.6 .0	9.2 1.3
46.	-.5 .1	8.0 1.2
47.	-.4 .1	6.8 1.2
48.	-.3 .1	5.5 1.3
49.	-.2 .1	4.3 1.2
50.	-.2 .0	3.0 1.3
51.	-.1 .1	1.8 1.2
52.	.0 .1	.5 1.3
53.	.1 .1	-.7 1.2
54.	.2 .1	-1.9 1.2
55.	.2 .0	-3.2 1.3
56.	.3 .1	-4.4 1.2
57.	.4 .1	-5.7 1.3
58.	.5 .1	-6.9 1.2
59.	.6 .1	-8.2 1.3
60.	.6 .0	-9.4 1.2
61.	.7 .1	-10.6 1.2
62.	.8 .1	-11.9 1.3
63.	.9 .1	-13.1 1.2
64.	.9 .0	-14.4 1.3
65.	1.0 .1	-15.6 1.2
66.	1.1 .1	-16.8 1.2
67.	1.2 .1	-18.1 1.3
68.	1.2 .0	-19.3 1.2
69.	1.3 .1	-20.6 1.3
70.	1.4 .1	-21.8 1.2
71.	1.4 .0	-23.1 1.3
72.	1.5 .1	-24.3 1.2
73.	1.6 .1	-25.5 1.2
74.	1.7 .1	-26.8 1.3
75.	1.7 .0	-28.0 1.2
76.	1.8 .1	-29.3 1.3
77.	1.9 .1	-30.5 1.2
78.	1.9 .0	-31.8 1.3
79.	2.0 .1	-33.0 1.2
80.	2.1 + .1	-34.2 - 1.2

TIGTPI _____ : _____ : _____ N37
 TIGNSR _____ : _____ : _____ N13
 ΔT _____ : _____ : _____

TIGNSR _____ : _____ : _____ N13
 -28 _____ : _____ : _____
 -24 _____ : _____ : _____
 -20 _____ : _____ : _____
 -12 _____ : _____ : _____

NOTE: TIGNSR - TIGNCC + 37.00

R28	X28	Z28	R28	X28	Z28	R28	X28	Z28
70.	-319.6 + .0	269.4 - .0	120.	85.6 +8.2	-74.0 -7.1	170.	491.4 +7.9	-404.5 -5.7
71.	-311.7 7.9	263.1 6.3	121.	93.9 8.3	-81.1 7.1	171.	499.2 7.8	-410.3 5.8
72.	-303.9 7.8	256.8 6.3	122.	102.1 8.2	-88.2 7.1	172.	507.1 7.9	-415.9 5.6
73.	-296.0 7.9	250.5 6.3	123.	110.3 8.2	-95.3 7.1	173.	514.9 7.8	-421.6 5.7
74.	-288.1 7.9	244.1 6.4	124.	118.6 8.3	-102.4 7.1	174.	522.7 7.8	-427.1 5.5
75.	-280.2 7.9	237.6 6.5	125.	126.8 8.2	-109.4 7.0	175.	530.5 7.8	-432.6 5.5
76.	-272.2 8.0	231.2 6.4	126.	135.0 8.2	-116.5 7.1	176.	538.3 7.8	-438.1 5.5
77.	-264.3 7.9	224.7 6.5	127.	143.3 8.3	-123.6 7.1	177.	546.1 7.8	-443.5 5.4
78.	-256.3 8.0	218.2 6.5	128.	151.5 8.2	-130.6 7.0	178.	553.8 7.7	-448.8 5.3
79.	-248.4 7.9	211.6 6.6	129.	159.7 8.2	-137.6 7.0	179.	561.6 7.8	-454.1 5.3
80.	-240.4 8.0	205.0 6.6	130.	167.9 8.2	-144.7 7.1	180.	569.3 7.7	-459.4 5.3
81.	-232.4 8.0	198.4 6.6	131.	176.2 8.3	-151.7 7.0	181.	577.0 7.7	-464.5 5.1
82.	-224.4 8.0	191.7 6.7	132.	184.4 8.2	-158.7 7.0	182.	584.7 7.7	-469.7 5.2
83.	-216.4 8.0	185.1 6.6	133.	192.6 8.2	-165.6 6.9	183.	592.3 7.6	-474.7 5.0
84.	-208.4 8.0	178.4 6.7	134.	200.8 8.2	-172.6 7.0	184.	600.0 7.7	-479.7 5.0
85.	-200.3 8.1	171.6 6.8	135.	209.0 8.2	-179.5 6.9	185.	607.6 7.6	-484.6 4.9
86.	-192.3 8.0	164.9 6.7	136.	217.2 8.2	-186.5 7.0	186.	615.2 7.6	-489.5 4.9
87.	-184.2 8.1	158.1 6.8	137.	225.4 8.2	-193.4 6.9	187.	622.8 7.6	-494.3 4.8
88.	-176.1 8.1	151.3 6.8	138.	233.6 8.2	-200.2 6.8	188.	630.4 7.6	-499.1 4.8
89.	-168.1 8.0	144.5 6.8	139.	241.8 8.2	-207.1 6.9	189.	637.9 7.5	-503.8 4.7
90.	-160.0 8.1	137.6 6.9	140.	250.0 8.2	-214.0 6.9	190.	645.4 7.5	-508.4 4.6
91.	-151.9 8.1	130.7 6.9	141.	258.1 8.1	-220.8 6.8	191.	652.9 7.5	-512.9 4.5
92.	-143.8 8.1	123.8 6.9	142.	266.3 8.2	-227.6 6.8	192.	660.4 7.5	-517.4 4.5
93.	-135.7 8.1	116.9 6.9	143.	274.5 8.2	-234.3 6.7	193.	667.9 7.5	-521.8 4.4
94.	-127.5 8.2	110.0 6.9	144.	282.6 8.1	-241.1 6.8	194.	675.3 7.4	-526.1 4.3
95.	-119.4 8.1	103.0 7.0	145.	290.8 8.2	-247.8 6.7	195.	682.7 7.4	-530.4 4.3
96.	-111.3 8.1	96.1 6.9	146.	298.9 8.1	-254.5 6.7	196.	690.1 7.4	-534.6 4.2
97.	-103.1 8.2	89.1 7.0	147.	307.1 8.2	-261.1 6.6	197.	697.5 7.4	-538.7 4.1
98.	-95.0 8.1	82.1 7.0	148.	315.2 8.1	-267.8 6.7	198.	704.8 7.3	-542.8 4.1
99.	-86.8 8.2	75.1 7.0	149.	323.3 8.1	-274.4 6.6	199.	712.2 7.4	-546.7 3.9
100.	-78.6 8.2	68.0 7.1	150.	331.4 8.1	-280.9 6.5	200.	719.5 7.3	-550.6 3.9
101.	-70.5 8.1	61.0 7.0	151.	339.5 8.1	-287.5 6.6	201.	726.7 7.2	-554.5 3.9
102.	-62.3 8.2	53.9 7.1	152.	347.6 8.1	-294.0 6.5	202.	734.0 7.3	-558.2 3.7
103.	-54.1 8.2	46.9 7.0	153.	355.7 8.1	-300.5 6.5	203.	741.2 7.2	-561.9 3.7
104.	-45.9 8.2	39.8 7.1	154.	363.8 8.1	-306.9 6.4	204.	748.4 7.2	-565.5 3.6
105.	-37.7 8.2	32.7 7.1	155.	371.8 8.0	-313.3 6.4	205.	755.6 7.2	-569.0 3.5
106.	-29.5 8.2	25.6 7.1	156.	379.9 8.1	-319.7 6.4	206.	762.8 7.2	-572.4 3.4
107.	-21.3 8.2	18.5 7.1	157.	387.9 8.0	-326.0 6.3	207.	769.9 7.1	-575.8 3.4
108.	-13.1 8.2	11.4 7.1	158.	396.0 8.1	-332.3 6.3	208.	777.0 7.1	-579.0 3.2
109.	-4.9 8.2	4.3 7.1	159.	404.0 8.0	-338.6 6.3	209.	784.1 7.1	-582.2 3.2
110.	3.3 8.2	-2.8 7.1	160.	412.0 8.0	-344.8 6.2	210.	791.1 7.0	-585.3 3.1
111.	11.5 8.2	-9.9 7.1	161.	420.0 8.0	-350.9 6.1	211.	798.1 7.0	-588.3 3.0
112.	19.8 8.3	-17.0 7.1	162.	428.0 8.0	-357.1 6.2	212.	805.1 7.0	-591.3 3.0
113.	28.0 8.2	-24.1 7.1	163.	435.9 7.9	-363.2 6.1	213.	812.1 7.0	-594.1 2.8
114.	36.2 8.2	-31.3 7.2	164.	443.9 8.0	-369.2 6.0	214.	819.0 6.9	-596.9 2.8
115.	44.5 8.3	-38.4 7.1	165.	451.9 8.0	-375.2 6.0	215.	826.0 7.0	-599.5 2.6
116.	52.7 8.2	-45.5 7.1	166.	459.8 7.9	-381.2 6.0	216.	832.8 6.8	-602.1 2.6
117.	60.9 8.2	-52.6 7.1	167.	467.7 7.9	-387.1 5.9	217.	839.7 6.9	-604.6 2.5
118.	69.1 8.2	-59.8 7.2	168.	475.6 7.9	-393.0 5.9	218.	846.5 6.8	-607.0 2.4
119.	77.4 8.3	-66.9 7.1	169.	483.5 7.9	-398.8 5.8	219.	853.3 6.8	-609.3 2.3
120.	85.6 +8.2	-74.0 -7.1	170.	491.4 +7.9	-404.5 -5.7	220.	860.1 +6.8	-611.5 -2.2

R₂₈ (109.60)

R24	X24	Z24	R24	X24	Z24	R24	X24	Z24
70.	174.1	- .0	-257.2	+.0	120.	-91.7	-5.1	146.8 +8.4
71.	168.8	5.3	-249.9	7.3	121.	-96.8	5.1	155.2 8.4
72.	163.5	5.3	-242.6	7.3	122.	-101.9	5.1	163.5 8.3
73.	158.2	5.3	-235.2	7.4	123.	-107.0	5.1	171.9 8.4
74.	152.9	5.3	-227.8	7.4	124.	-112.1	5.1	180.2 8.3
75.	147.5	5.4	-220.3	7.5	125.	-117.2	5.1	188.5 8.3
76.	142.2	5.3	-212.8	7.5	126.	-122.2	5.0	196.8 8.3
77.	136.9	5.3	-205.3	7.5	127.	-127.2	5.0	205.0 8.2
78.	131.5	5.4	-197.6	7.7	128.	-132.2	5.0	213.3 8.3
79.	126.2	5.3	-190.0	7.6	129.	-137.2	5.0	221.5 8.2
80.	120.8	5.4	-182.3	7.7	130.	-142.1	4.9	229.7 8.2
81.	115.4	5.4	-174.5	7.8	131.	-147.0	4.9	237.9 8.2
82.	110.1	5.3	-166.7	7.8	132.	-151.9	4.9	246.0 8.1
83.	104.7	5.4	-158.9	7.8	133.	-156.8	4.9	254.2 8.2
84.	99.3	5.4	-151.0	7.9	134.	-161.7	4.9	262.3 8.1
85.	94.0	5.3	-143.1	7.9	135.	-166.5	4.8	270.3 8.0
86.	88.6	5.4	-135.2	7.9	136.	-171.4	4.9	278.4 8.1
87.	83.2	5.4	-127.2	8.0	137.	-176.1	4.7	286.4 8.0
88.	77.8	5.4	-119.2	8.0	138.	-180.9	4.8	294.3 7.9
89.	72.4	5.4	-111.1	8.1	139.	-185.7	4.8	302.3 8.0
90.	67.1	5.3	-103.1	8.0	140.	-190.4	4.7	310.2 7.9
91.	61.7	5.4	-95.0	8.1	141.	-195.1	4.7	318.0 7.8
92.	56.3	5.4	-86.8	8.2	142.	-199.7	4.6	325.8 7.8
93.	50.9	5.4	-78.7	8.1	143.	-204.4	4.7	333.6 7.8
94.	45.5	5.4	-70.5	8.2	144.	-209.0	4.6	341.3 7.7
95.	40.2	5.3	-62.3	8.2	145.	-213.5	4.5	349.0 7.7
96.	34.8	5.4	-54.0	8.3	146.	-218.1	4.6	356.7 7.7
97.	29.4	5.4	-45.8	8.2	147.	-222.6	4.5	364.3 7.6
98.	24.1	5.3	-37.5	8.3	148.	-227.1	4.5	371.8 7.5
99.	18.7	5.4	-29.2	8.3	149.	-231.6	4.5	379.4 7.6
100.	13.4	5.3	-20.9	8.3	150.	-236.0	4.4	386.8 7.4
101.	8.0	5.4	-12.6	8.3	151.	-240.4	4.4	394.2 7.4
102.	2.7	5.3	-4.2	8.4	152.	-244.7	4.3	401.6 7.4
103.	-2.6	5.3	4.1	8.3	153.	-249.1	4.4	408.9 7.3
104.	-8.0	5.4	12.5	8.4	154.	-253.4	4.3	416.1 7.2
105.	-13.3	5.3	20.8	8.3	155.	-257.6	4.2	423.3 7.2
106.	-18.6	5.3	29.2	8.4	156.	-261.9	4.3	430.4 7.1
107.	-23.9	5.3	37.6	8.4	157.	-266.1	4.2	437.5 7.1
108.	-29.2	5.3	46.0	8.4	158.	-270.2	4.1	444.5 7.0
109.	-34.5	5.3	54.4	8.4	159.	-274.4	4.2	451.5 7.0
110.	-39.7	5.2	62.8	8.4	160.	-278.4	4.0	458.3 6.8
111.	-45.0	5.3	71.2	8.4	161.	-282.5	4.1	465.2 6.9
112.	-50.2	5.2	79.6	8.4	162.	-286.5	4.0	471.9 6.7
113.	-55.5	5.3	88.1	8.5	163.	-290.5	4.0	478.6 6.7
114.	-60.7	5.2	96.5	8.4	164.	-294.4	3.9	485.2 6.6
115.	-65.9	5.2	104.9	8.4	165.	-298.3	3.9	491.8 6.6
116.	-71.1	5.2	113.3	8.4	166.	-302.2	3.9	498.2 6.4
117.	-76.3	5.2	121.7	8.4	167.	-306.0	3.8	504.6 6.4
118.	-81.4	5.1	130.1	8.4	168.	-309.8	3.8	511.0 6.4
119.	-86.6	5.2	138.4	8.3	169.	-313.5	3.7	517.2 6.2
120.	-91.7	-5.1	146.8 +8.4		170.	-317.2 -3.7	523.4 +6.2	

R₂₄ (102.52)

R₂₀_____ (96.08)

R12	X12	Z12	R12	X12	Z12	R12	X12	Z12
60.	-127.8 + .0	203.7 - .0	110.	162.3 + 6.0	-189.4 - 8.0	160.	474.0 + 6.4	-576.7 - 7.3
61.	-122.2 5.6	196.2 7.5	111.	168.3 6.0	-197.4 8.0	161.	480.4 6.4	-584.0 7.3
62.	-116.7 5.5	188.6 7.6	112.	174.4 6.1	-205.4 8.0	162.	486.9 6.5	-591.2 7.2
63.	-111.1 5.6	181.1 7.5	113.	180.4 6.0	-213.4 8.0	163.	493.3 6.4	-598.5 7.3
64.	-105.5 5.6	173.5 7.6	114.	186.5 6.1	-221.4 8.0	164.	499.8 6.5	-605.7 7.2
65.	-99.9 5.6	165.8 7.7	115.	192.5 6.0	-229.4 8.0	165.	506.2 6.4	-612.8 7.1
66.	-94.3 5.6	158.2 7.6	116.	198.6 6.1	-237.4 8.0	166.	512.7 6.5	-620.0 7.2
67.	-88.6 5.7	150.5 7.7	117.	204.7 6.1	-245.4 8.0	167.	519.2 6.5	-627.1 7.1
68.	-83.0 5.6	142.9 7.6	118.	210.8 6.1	-253.3 7.9	168.	525.6 6.4	-634.2 7.1
69.	-77.3 5.7	135.2 7.7	119.	216.9 6.1	-261.3 8.0	169.	532.1 6.5	-641.2 7.0
70.	-71.7 5.6	127.5 7.7	120.	223.0 6.1	-269.3 8.0	170.	538.6 6.5	-648.2 7.0
71.	-66.0 5.7	119.7 7.8	121.	229.1 6.1	-277.2 7.9	171.	545.1 6.5	-655.2 7.0
72.	-60.4 5.6	112.0 7.7	122.	235.3 6.2	-285.2 8.0	172.	551.6 6.5	-662.2 7.0
73.	-54.7 5.7	104.2 7.8	123.	241.4 6.1	-293.1 7.9	173.	558.1 6.5	-669.1 6.9
74.	-49.0 5.7	96.5 7.7	124.	247.5 6.1	-301.0 7.9	174.	564.7 6.6	-676.0 6.9
75.	-43.3 5.7	88.7 7.8	125.	253.7 6.2	-308.9 7.9	175.	571.2 6.5	-682.9 6.9
76.	-37.6 5.7	80.9 7.8	126.	259.9 6.2	-316.8 7.9	176.	577.7 6.5	-689.7 6.8
77.	-31.8 5.8	73.1 7.8	127.	266.0 6.1	-324.7 7.9	177.	584.3 6.6	-696.5 6.8
78.	-26.1 5.7	65.2 7.9	128.	272.2 6.2	-332.6 7.9	178.	590.8 6.5	-703.3 6.8
79.	-20.4 5.7	57.4 7.8	129.	278.4 6.2	-340.5 7.9	179.	597.4 6.6	-710.0 6.7
80.	-14.6 5.8	49.5 7.9	130.	284.6 6.2	-348.4 7.9	180.	603.9 6.5	-716.7 6.7
81.	-8.8 5.8	41.7 7.8	131.	290.8 6.2	-356.2 7.8	181.	610.5 6.6	-723.4 6.7
82.	-3.1 5.7	33.8 7.9	132.	297.0 6.2	-364.1 7.9	182.	617.1 6.6	-730.0 6.6
83.	2.7 5.8	25.9 7.9	133.	303.2 6.2	-371.9 7.8	183.	623.6 6.5	-736.6 6.6
84.	8.5 5.8	18.0 7.9	134.	309.4 6.2	-379.7 7.8	184.	630.2 6.6	-743.1 6.5
85.	14.3 5.8	10.1 7.9	135.	315.7 6.3	-387.5 7.8	185.	636.8 6.6	-749.7 6.6
86.	20.1 5.8	2.2 7.9	136.	321.9 6.2	-395.3 7.8	186.	643.4 6.6	-756.1 6.4
87.	25.9 5.8	-5.8 8.0	137.	328.2 6.3	-403.1 7.8	187.	650.0 6.6	-762.6 6.5
88.	31.8 5.9	-13.7 7.9	138.	334.4 6.2	-410.8 7.7	188.	656.6 6.6	-769.0 6.4
89.	37.6 5.8	-21.6 7.9	139.	340.7 6.3	-418.6 7.8	189.	663.2 6.6	-775.3 6.3
90.	43.4 5.8	-29.6 8.0	140.	347.0 6.3	-426.3 7.7	190.	669.9 6.7	-781.7 6.4
91.	49.3 5.9	-37.5 7.9	141.	353.2 6.2	-434.0 7.7	191.	676.5 6.6	-787.9 6.2
92.	55.2 5.9	-45.5 8.0	142.	359.5 6.3	-441.7 7.7	192.	683.1 6.6	-794.2 6.3
93.	61.0 5.8	-53.5 8.0	143.	365.8 6.3	-449.4 7.7	193.	689.8 6.7	-800.4 6.2
94.	66.9 5.9	-61.4 7.9	144.	372.1 6.3	-457.0 7.6	194.	696.4 6.6	-806.5 6.1
95.	72.8 5.9	-69.4 8.0	145.	378.4 6.3	-464.7 7.7	195.	703.1 6.7	-812.7 6.2
96.	78.7 5.9	-77.4 8.0	146.	384.8 6.4	-472.3 7.6	196.	709.7 6.6	-818.7 6.0
97.	84.6 5.9	-85.4 8.0	147.	391.1 6.3	-479.9 7.6	197.	716.4 6.7	-824.8 6.1
98.	90.6 6.0	-93.4 8.0	148.	397.4 6.3	-487.5 7.6	198.	723.1 6.7	-830.7 5.9
99.	96.5 5.9	-101.4 8.0	149.	403.8 6.4	-495.0 7.5	199.	729.8 6.7	-836.7 6.0
100.	102.4 5.9	-109.4 8.0	150.	410.1 6.3	-502.6 7.6	200.	736.4 6.6	-842.6 5.9
101.	108.4 6.0	-117.4 8.0	151.	416.5 6.4	-510.1 7.5	201.	743.1 6.7	-848.4 5.8
102.	114.3 5.9	-125.4 8.0	152.	422.8 6.3	-517.6 7.5	202.	749.8 6.7	-854.2 5.8
103.	120.3 6.0	-133.4 8.0	153.	429.2 6.4	-525.0 7.4	203.	756.5 6.7	-860.0 5.8
104.	126.3 6.0	-141.4 8.0	154.	435.6 6.4	-532.5 7.5	204.	763.2 6.7	-865.7 5.7
105.	132.2 5.9	-149.4 8.0	155.	442.0 6.4	-539.9 7.4	205.	769.9 6.7	-871.4 5.7
106.	138.2 6.0	-157.4 8.0	156.	448.4 6.4	-547.3 7.4	206.	776.7 6.8	-877.0 5.6
107.	144.2 6.0	-165.4 8.0	157.	454.8 6.4	-554.7 7.4	207.	783.4 6.7	-882.6 5.6
108.	150.2 6.0	-173.4 8.0	158.	461.2 6.4	-562.1 7.4	208.	790.1 6.7	-888.1 5.5
109.	156.3 6.1	-181.4 8.0	159.	467.6 6.4	-569.4 7.3	209.	796.9 6.8	-893.6 5.5
110.	162.3 + 6.0	-189.4 - 8.0	160.	474.0 + 6.4	-576.7 - 7.3	210.	803.6 + 6.7	-899.0 - 5.4

THIS PAGE INTENTIONALLY BLANK

XT _____

X28 _____

X24 _____

X20 _____

X12 _____

ΔV_X _____ (15.8)

R_{12} _____ (85.25)

ZT _____

Z28 _____

Z24 _____

Z20 _____

Z12 _____

ΔV_Z _____ (+8.1)

THIS PAGE INTENTIONALLY BLANK

TPI - RANGE ONLY CHART

R32	X32	Z32	R28	X28	Z28	R24	X24	Z24
40.	-116.4+	.0	36.	98.6-	.0	32.	101.0 -	.0
41.	-104.9	11.5	37.	84.8	13.8	33.	96.6	4.4
42.	-93.8	11.1	38.	72.5	12.3	34.	91.2	5.4
43.	-83.3	10.5	39.	61.6	10.9	35.	84.9	6.3
44.	-73.2	10.1	40.	52.0	9.6	36.	77.7	7.2
45.	-63.5	9.7	41.	43.5	8.5	37.	69.9	7.8
46.	-54.3	9.2	42.	35.9	7.6	38.	61.5	8.4
47.	-45.4	8.9	43.	29.2	6.7	39.	52.8	8.7
48.	-36.8	8.6	44.	23.2	6.0	40.	43.8	9.0
49.	-28.5	8.3	45.	17.8	5.4	41.	34.6	9.2
50.	-20.5	8.0	46.	12.8	5.0	42.	25.4	9.2
51.	-12.7	7.8	47.	8.2	4.6	43.	16.4	9.0
52.	-5.2	7.5	48.	3.8	4.4	44.	7.6	8.8
53.	2.2	7.4	49.	-6	4.4	45.	-8	8.4
54.	9.5	7.3	50.	-5.0	4.4	46.	-8.7	7.9
55.	16.6	7.1	51.	-9.6	4.6	47.	-15.9	7.2
56.	23.7	7.1	52.	-14.5	4.9	48.	-22.3	6.4
57.	30.7	7.0	53.	-19.9	5.4	49.	-27.8	5.5
58.	37.7	7.0	54.	-25.9	6.0	50.	-32.2	4.4
59.	44.7	7.0	55.	-32.6	6.7	51.	-35.5	3.3
60.	51.8	7.1	56.	-40.1	7.5	52.	-37.4	1.9
61.	59.0	7.2	57.	-48.7	8.6	53.	-37.9	.5
62.	66.3	7.3	58.	-58.3	9.6	54.	-36.8	+1.1
63.	73.7	7.4	59.	-69.1	10.8	55.	-34.0	2.8
64.	81.3	7.6	60.	-81.4	12.3	56.	-29.3	4.7
65.	89.1	7.8	61.	-95.1	13.7	57.	-22.7	6.6
66.	97.2	8.1	62.	-110.5	15.4	58.	-13.9	8.8
67.	105.6	8.4	63.	-127.6	17.1	59.	-2.9	11.0
68.	114.2	8.6	64.	-146.6	19.0	60.	10.5	13.4
69.	123.2+	9.0	65.	-167.7	-21.1	61.	26.4	+15.9
								-81.3-38.7

R₃₂ _____
(52.84)

R₂₈ _____
(48.87)

R₂₄ _____
(44.92)

TIGTP1 _____:
-32 _____:
-28 _____:
-24 _____:
-16 _____:

R16	X16	Z16	ΔT	XT	ZT
24.	-94.0 + .0	208.1 - .0	-12.	25.6 - .0	-37.7 + .0
25.	-86.2 7.8	194.3 13.8	-11.	24.8 .8	-34.4 3.3
26.	-78.4 7.8	179.9 14.4	-10.	23.9 .9	-31.4 3.0
27.	-70.6 7.8	164.8 15.1	-9.	23.2 .7	-28.4 3.0
28.	-62.8 7.8	149.2 15.6	-8.	22.4 .8	-25.7 2.7
29.	-55.1 7.7	133.2 16.0	-7.	21.7 .7	-23.1 2.6
30.	-47.6 7.5	116.9 16.3	-6.	21.1 .6	-20.6 2.5
31.	-40.2 7.4	100.3 16.6	-5.	20.4 .7	-18.3 2.3
32.	-32.9 7.3	83.6 16.7	-4.	19.9 .5	-16.1 2.2
33.	-25.9 7.0	66.8 16.8	-3.	19.3 .6	-14.1 2.0
34.	-19.1 6.8	50.1 16.7	-2.	18.8 .5	-12.2 1.9
35.	-12.6 6.5	33.6 16.5	-1.	18.3 .5	-10.4 1.8
36.	-6.4 6.2	17.2 16.4	0.	17.9 .4	-8.8 1.6
37.	- .5 5.9	1.3 15.9	1.	17.5 .4	-7.3 1.5
38.	5.0 5.5	-14.3 15.6	2.	17.1 .4	-6.0 1.3
39.	10.1 5.1	-29.3 15.0	3.	16.7 .4	-4.7 1.3
40.	14.8 4.7	-43.7 14.4	4.	16.4 .3	-3.6 1.1
41.	19.1 4.3	-57.3 13.6	5.	16.1 .3	-2.6 1.0
42.	22.8 3.7	-70.1 12.8	6.	15.9 .2	-1.7 .9
43.	26.1 3.3	-82.1 12.0	7.	15.7 .2	-.9 .8
44.	28.8 2.7	-93.0 10.9	8.	15.4 .3	-.2 .7
45.	30.9 2.1	-102.8 9.8	9.	15.3 .1	.3 .5
46.	32.4 1.5	-111.4 8.6	10.	15.1 .2	.8 .5
47.	33.3 .9	-118.7 7.3	11.	15.0 .1	1.1 .3
48.	33.5 + .2	-124.6 5.9	12.	14.9 .1	1.4 .3
49.	33.1 - .4	-129.0 4.4	13.	14.8 .1	1.6 .2
50.	31.8 1.3	-131.8 2.8	14.	14.7 .1	1.7 .1
51.	29.9 1.9	-132.9 -1.1	15.	14.7 .0	1.7 + .0
52.	27.1 2.8	-132.3 + .6	16.	14.6 .1	1.6 .1
53.	23.5 - 3.6	-129.8 + 2.5	17.	14.6 - .0	1.4 - .2

TIGTPI2	_____	_____	_____
TIGTPI1	_____	_____	_____
ΔT	_____	_____	_____
	0	: 00	: 00

R16
(37.08)

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X32 _____

X28 _____

X24 _____

X16 _____

XT _____

ΔV_X _____ (18.9)

Z32 _____

Z28 _____

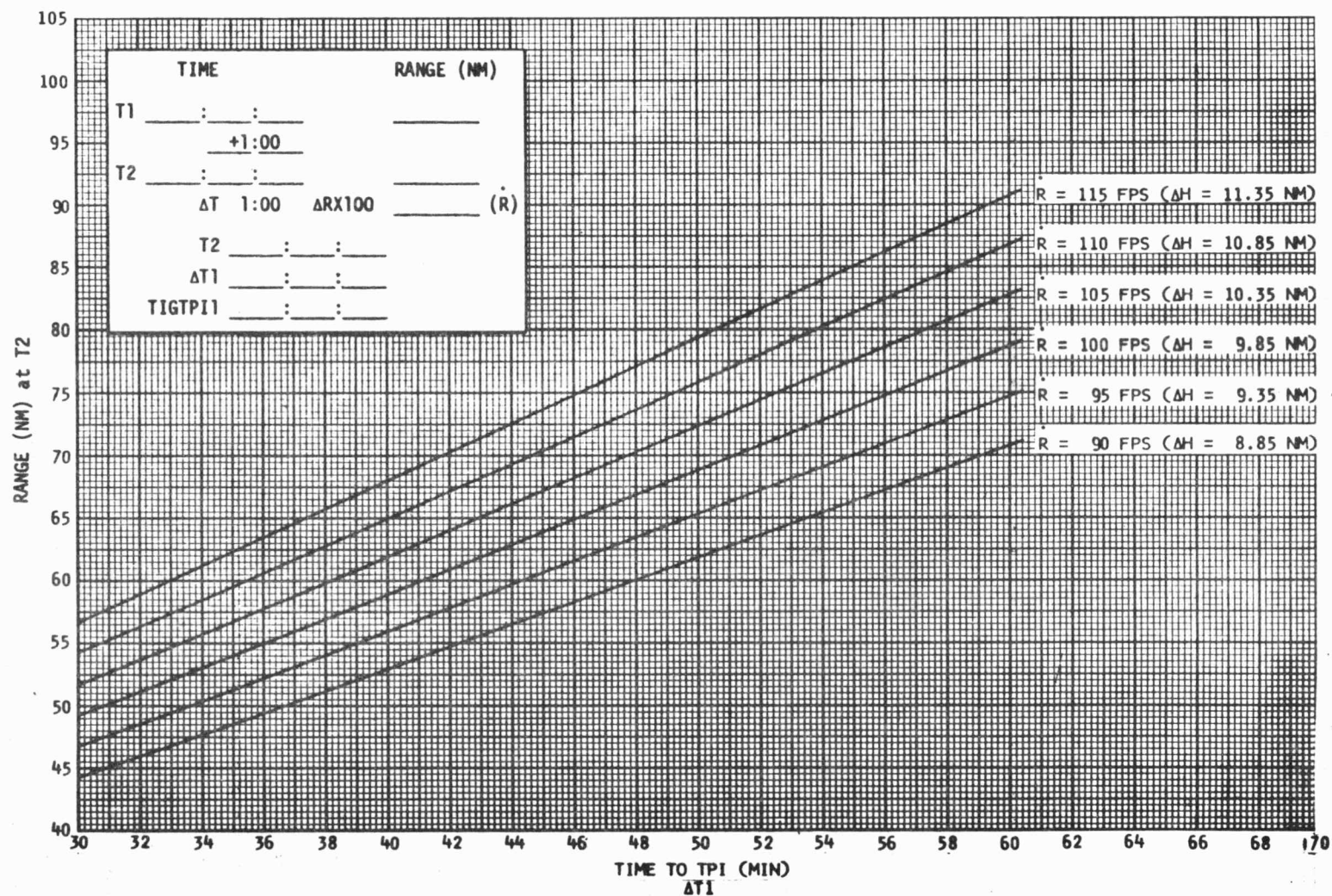
Z24 _____

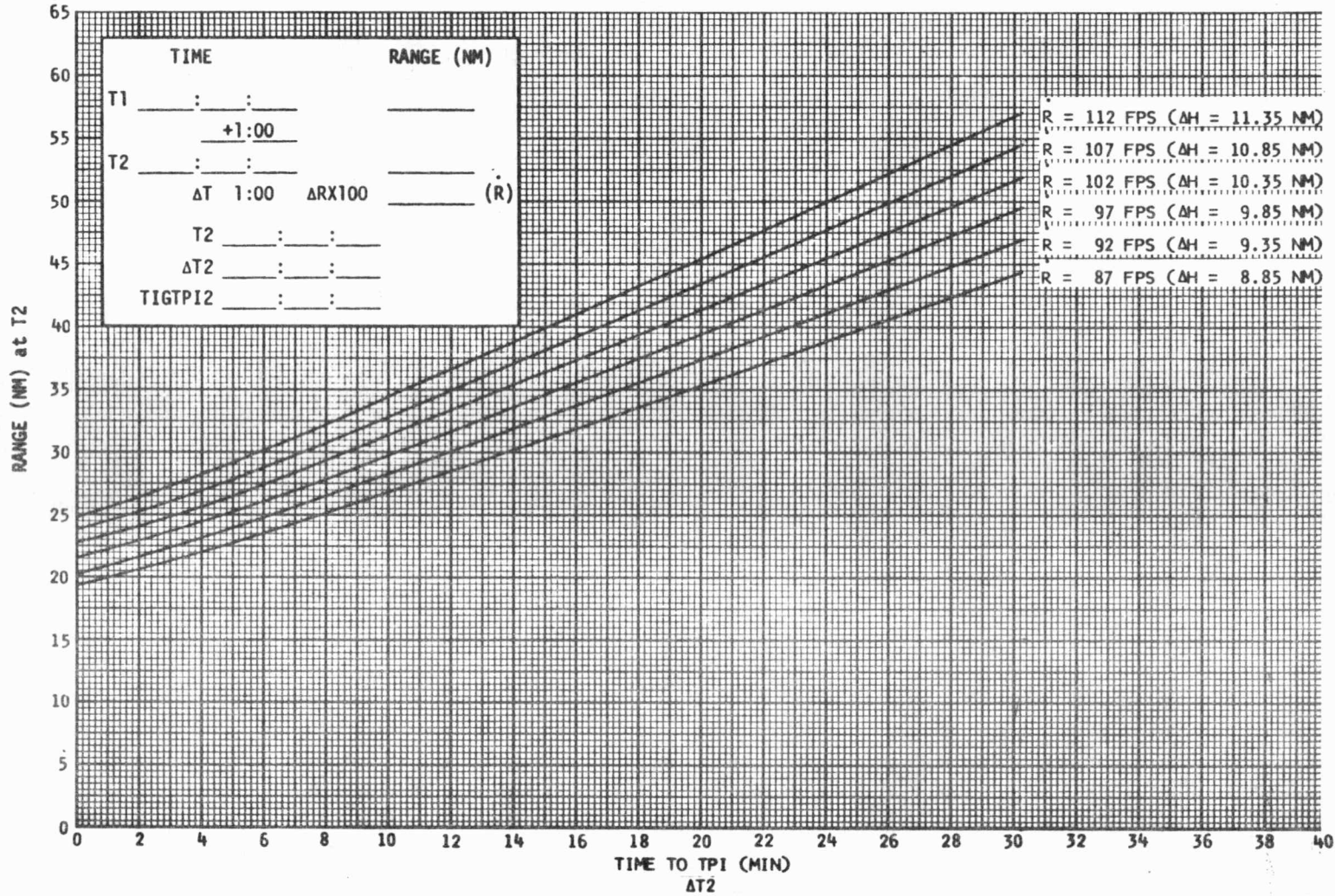
Z16 _____

ZT _____

ΔV_Z _____ (-8.8)

TPITIG1 AS A FUNCTION
OF RANGE AND RANGE RATE

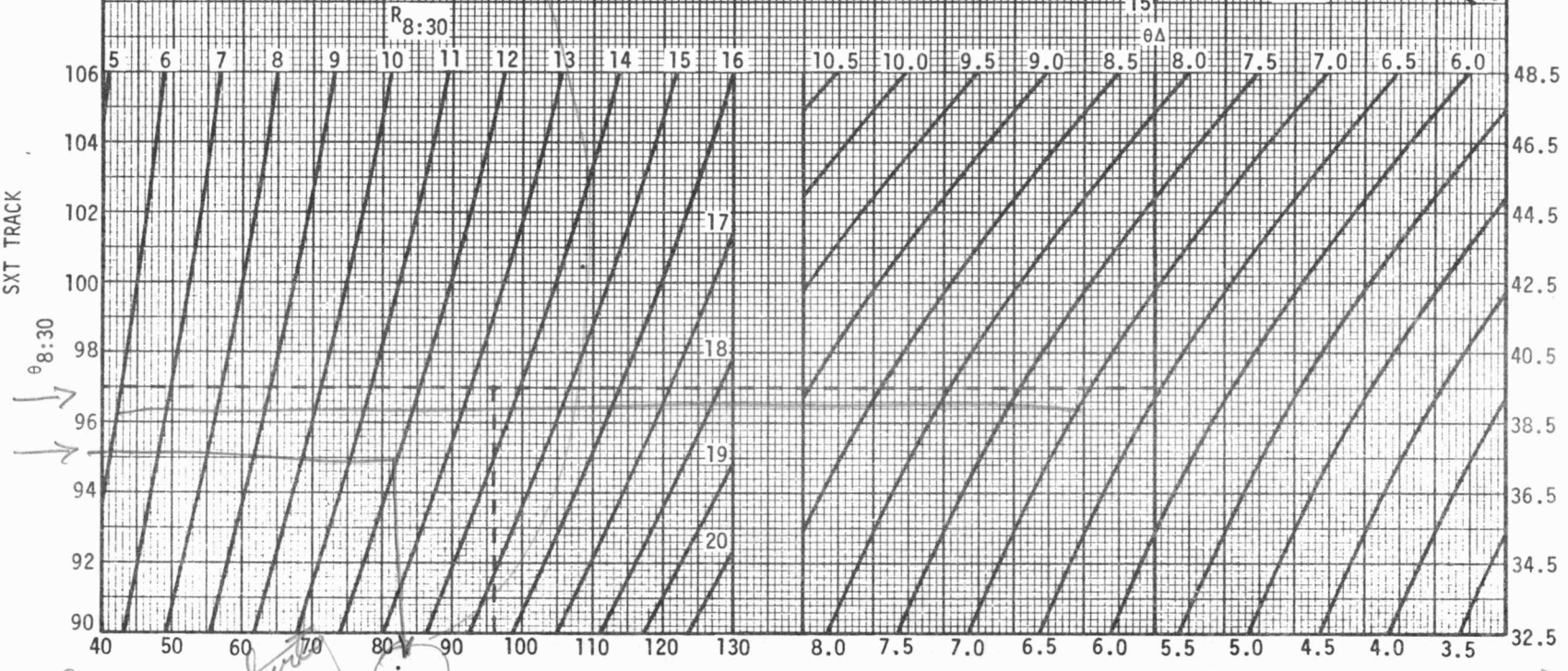
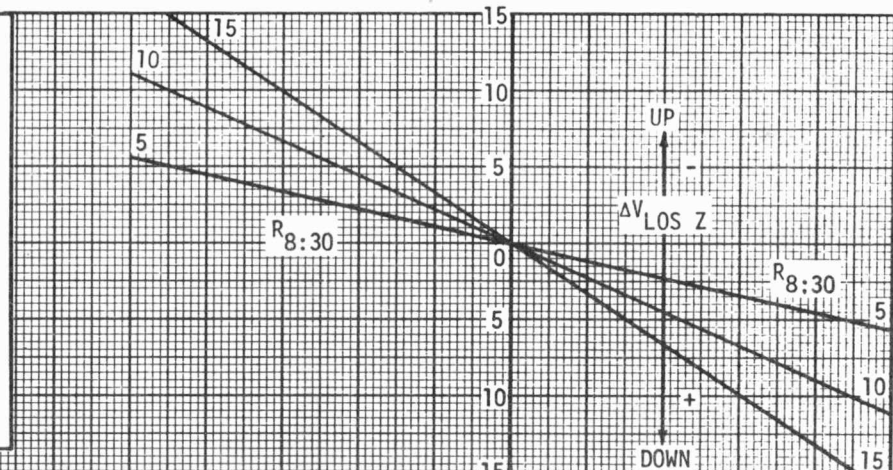


TPITIG2 AS A FUNCTION
OF RANGE AND RANGE RATE

TIGTP11
TIGTP12

FIRST SKYLAB MIDCOURSE

$R_{7:30}$ 9.34 θ_p 22.18 θ_p 8:30
 $R_{8:30}$ 8.48 $TA_{4:30}$ 61 $TA_{8:30}$
 $\Delta R \times 100$ $\theta_{4:30}$ $\theta_{8:30}$
BIAS -2 $\theta_{4:30}$ $\theta_{8:30}$
 $\dot{R}_{8:30}$ $\dot{R}_{REQ}$ $\Delta\theta$
 $\dot{R}_{8:30}$ $\dot{R}_{8:30}$ CMC
 $\Delta V_{LOS X}$ (FWD+) -5.8
 $\Delta V_{LOS Z}$ (DN+) +2.1



-60-
5/12/72

2 3.4
17 m/s/deg

normal
to LOS

10
along
1.5 f.p.s
MC1
MC2
Normal
to
1.5

have made on
error analysis

1/2 ball
normal off to
nearest 1/2

along LOS
normal to
one
mouth

8:30
TA
-57-45

4183 3111

January
FMS

January
FMS

FMS
January
FMS

Bill
T PAC
January
FMS

TPA

60H
95KT

but FDAI is aligned to V83 which is dependent

31202
JERRY EMS
JERRY EMS

Jerry FDAI

Bill Jerry FDAI

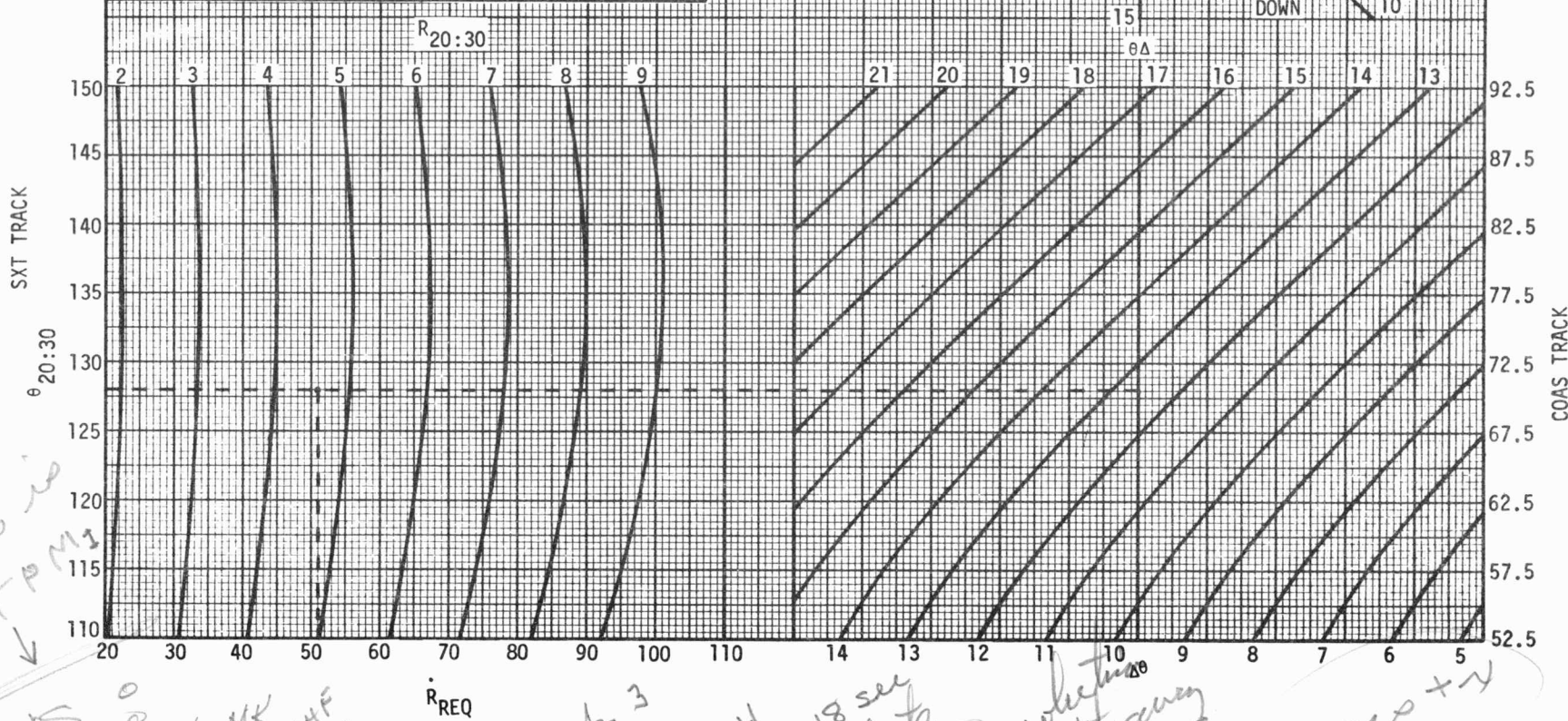
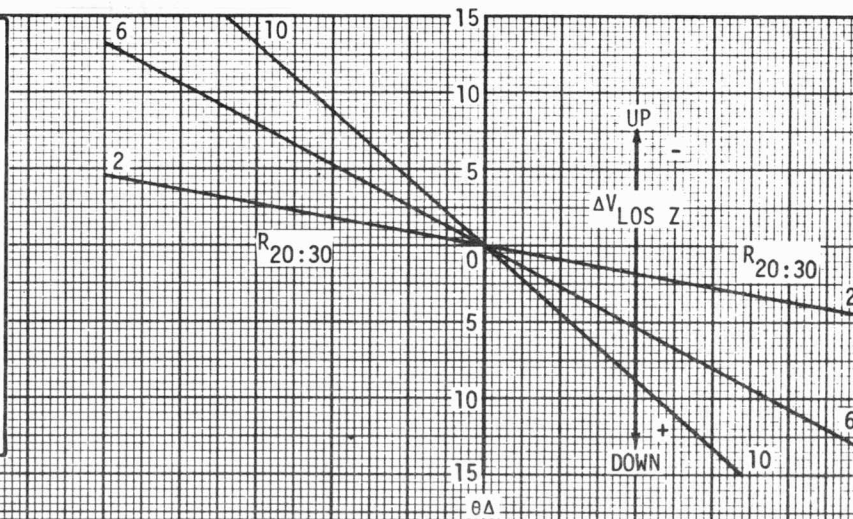
MKS

SECOND SKYLAB MIDCOURSE

R19:30	θ_P 16:30 35	θ_P 20:30 4.12
R20:30	TA 16:30 32.14	TA 20:30
$\Delta R \times 100$	θ 16:30	θ 20:30
BIAS -2	θ 16:30	θ 16:30
$\dot{R}_{20:30}$	$\dot{R}_{REQ}$	$\Delta \theta$
	$\dot{R}_{20:30}$	

$\Delta V_{LOS X}$ (FWD+) _____

$\Delta V_{LOS Z}$ (DN+) _____



this is all T P M1

COAS 0
4:30 1st MK 1 VHF
5:30 2nd 2 VHF
6:30 3rd 4 42
7:30 4th 4 43
8:30 5th 8 15 next mch 3
9:30 6th 6 43
9:30 7th 6 44
9:30 8th 6 44
9:30 9th 6 44
9:30 10th 6 44
9:30 11th 6 44
9:30 12th 6 44
9:30 13th 6 44
9:30 14th 6 44
9:30 15th 6 44
9:30 16th 6 44
9:30 17th 6 44
9:30 18th 6 44
9:30 19th 6 44
9:30 20th 6 44
9:30 21st 6 44
9:30 22nd 6 44
9:30 23rd 6 44
9:30 24th 6 44
9:30 25th 6 44
9:30 26th 6 44
9:30 27th 6 44
9:30 28th 6 44
9:30 29th 6 44
9:30 30th 6 44

-61-
5/12/75

MCC 1
MCC 2

18 sec late
-104 solution right away
CMC says +2

T P M Z

1 st COAS mkt. 2 +00; already had 2 VHF

2nd
3rd

2 +40

3 +29

3

4 +15

615

5

6 ch

7

8 HZ final comp

8

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Ed

+2

13 in

1/2 to

-5 in x

+1 Z

N59

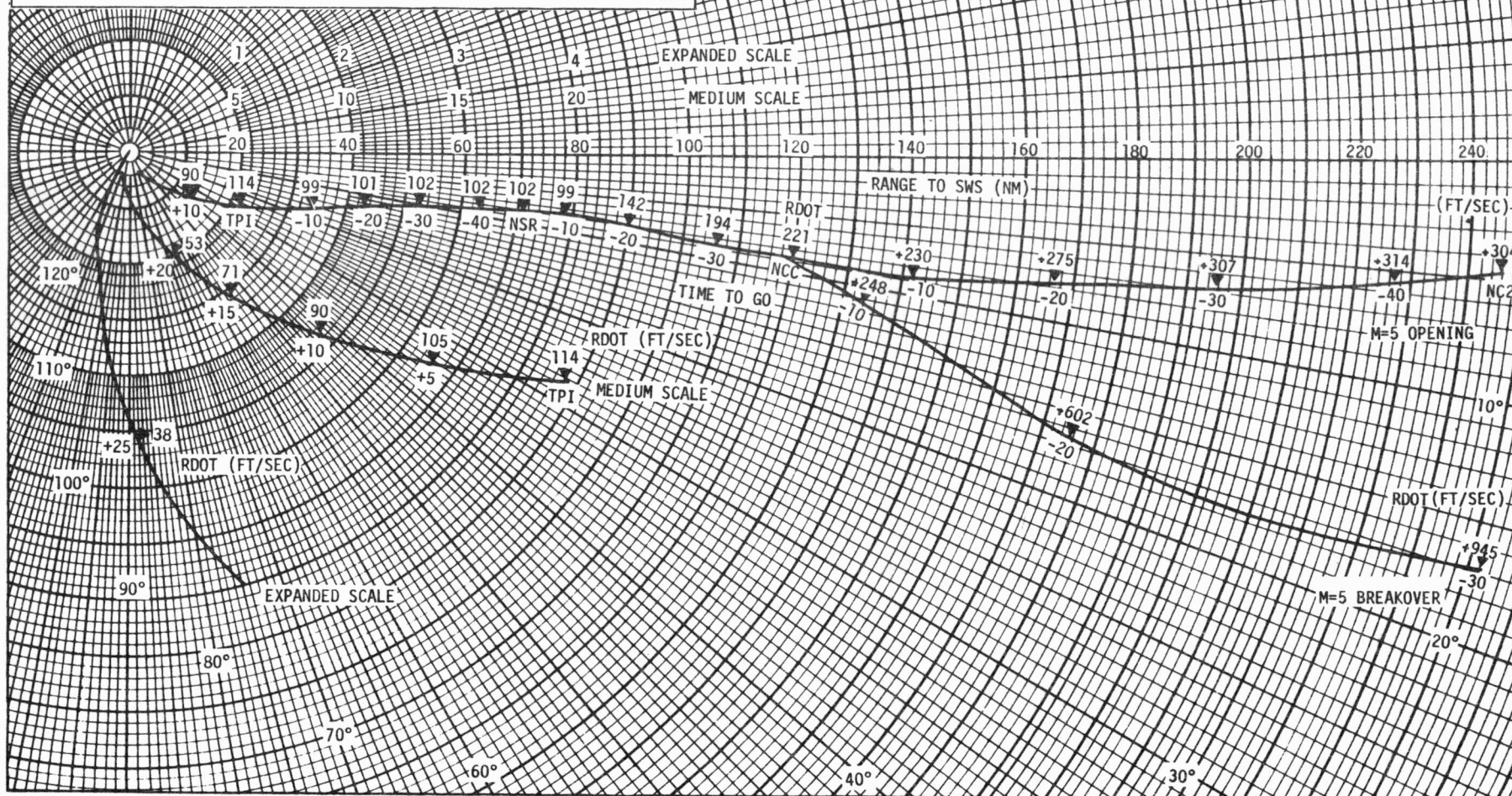
-8.6

-1.2

+3.9

SKYLAB POLAR PLOT

T	R	RDOT	θ/θ	T	R	RDOT	θ/θ



-63-
5/12/72

POLAR PLOT