

RECEIVED

MAY 18 1972

R. A. LARSON

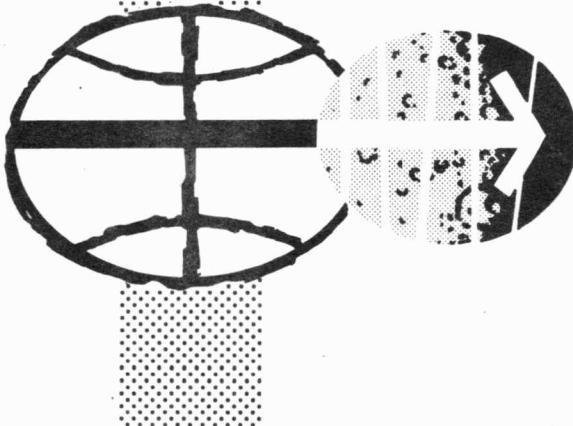


NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

BASIC
SKYLAB
CSM
RENDEZVOUS
CHART BOOK

PREPARED BY

FLIGHT PROCEDURES BRANCH
CREW PROCEDURES DIVISION



MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

MAY 12, 1972

B 35
3065

SKYLAB
CSM RENDEZVOUS CHART BOOK
MAY 12, 1972

PREPARED BY: Larry B. McWhorter
LARRY B. McWHORTER
BOOK MANAGER

APPROVED BY: Paul C. Kramer
PAUL C. KRAMER, CHIEF
FLIGHT PROCEDURES BRANCH
CREW PROCEDURES DIVISION

It is requested that any organization having comments,
questions, or suggestions concerning this document
contact Larry B. McWhorter, Flight Procedures Branch,
CG43, Building 4, Room 255, telephone 483-5348.

SKYLAB

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

THIS PAGE INTENTIONALLY BLANK

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 FDAO pitch
- 10) TA - Trunnion Angle

THIS PAGE INTENTIONALLY BLANK

-2-

5/12/72

ΔT	X T	Z T
30.	9.8	- .0
31.	9.4	.4
32.	8.9	.5
33.	8.5	.4
34.	8.0	.5
35.	7.6	.4
36.	7.2	.4
37.	6.7	.5
38.	6.3	.4
39.	5.8	.5
40.	5.4	.4
41.	5.0	.4
42.	4.5	.5
43.	4.1	.4
44.	3.7	.4
45.	3.2	.5
46.	2.8	.4
47.	2.4	.4
48.	1.9	.5
49.	1.5	.4
50.	1.1	.4
51.	.6	.5
52.	.2	.4
53.	-.2	.4
54.	-.7	.5
55.	-.1.1	.4
56.	-.1.5	.4
57.	-.2.0	.5
58.	-.2.4	.4
59.	-.2.8	.4
60.	-.3.3	.5
61.	-.3.7	.4
62.	-.4.1	.4
63.	-.4.6	.5
64.	-.5.0	.4
65.	-.5.4	.4
66.	-.5.8	.4
67.	-.6.3	.5
68.	-.6.7	.4
69.	-.7.1	.4
70.	-.7.6	.5
71.	-.8.0	.4
72.	-.8.4	.4
73.	-.8.8	.4
74.	-.9.3	.5
75.	-.9.7	.4
76.	-.10.1	.4
77.	-.10.6	.5
78.	-.11.0	.4
79.	-.11.4	.4
80.	-.11.8	-.4

TIG TPI _____ : _____ : _____ (N37)

TIG NSR _____ : _____ : _____ (N13)

ΔT _____ : _____ : _____

TIG NCC _____ : _____ : _____ N(11)

-36 _____ : _____ : _____

-32 _____ : _____ : _____

-28 _____ : _____ : _____

-20 _____ : _____ : _____

-16 _____ : _____ : _____

-12 _____ : _____ : _____

NOTE: TIG NSR = TIG NCC + 37.00

THIS PAGE INTENTIONALLY BLANK

-4-

5/12/72

200.0 - 215.0			200.0 - 215.0			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	-0.9 .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	-0.5 .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	-0.1 .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	13.8 .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	R36	X36	Z36
230.0	70.8+0	-1068.7 - .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	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			

R36				X36				Z36				260.0 - 275.0				R36				X36				Z36																																																																																																																																																																			
260.0	194.3+0	-2964.7	-0.0	265.0	214.9+4	-3285.3	-6.4	270.0	235.6+4	-3607.1	-6.4	270.0	236.0+4	-3613.6	6.5	270.0	236.0+4	-3620.0	6.4	270.0	236.8+4	-3626.5	6.5	270.0	236.8+4	-3632.9	6.4	270.0	237.7+4	-3639.4	6.5																																																																																																																																																												
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	270.1	236.0 .4	-3620.0	6.4	270.1	236.8 .4	-3626.5	6.5	270.1	236.8 .4	-3632.9	6.4	270.1	237.7 .4	-3639.4	6.5	270.1	238.1 .4	-3645.8	6.4	270.1	238.5 .4	-3652.3	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	270.2	236.8 .4	-3626.5	6.5	270.2	236.8 .4	-3632.9	6.4	270.2	237.7 .4	-3639.4	6.5	270.2	238.1 .4	-3645.8	6.4	270.2	238.5 .4	-3652.3	6.5	270.2	239.7 .4	-3671.6	6.4	270.2	240.2 .5	-3678.1	6.5																																																																																																																																																				
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	270.3	237.3 .5	-3632.9	6.4	270.3	237.7 .4	-3639.4	6.5	270.3	238.1 .4	-3645.8	6.4	270.3	238.5 .4	-3652.3	6.5	270.3	239.7 .4	-3671.6	6.4	270.3	240.2 .5	-3678.1	6.5	270.3	240.6 .4	-3684.5	6.4	270.3	241.0 .4	-3691.0	6.5	270.3	241.4 .4	-3697.4	6.4	270.3	241.8 .4	-3703.9	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	270.4	237.7 .4	-3639.4	6.5	270.4	238.1 .4	-3645.8	6.4	270.4	238.5 .4	-3652.3	6.5	270.4	239.7 .4	-3671.6	6.4	270.4	240.2 .5	-3678.1	6.5	270.4	240.6 .4	-3684.5	6.4	270.4	241.0 .4	-3691.0	6.5	270.4	241.4 .4	-3697.4	6.4	270.4	241.8 .4	-3703.9	6.5	270.4	242.2 .4	-3710.4	6.5	270.4	242.6 .4	-3716.8	6.4	270.4	243.0 .4	-3723.3	6.5	270.4	243.5 .5	-3729.7	6.4	270.4	243.9 .4	-3736.2	6.5	270.4	244.3 .4	-3742.6	6.4	270.4	244.7 .4	-3749.1	6.5	270.4	245.1 .4	-3755.6	6.5	270.4	245.5 .4	-3762.0	6.4	270.4	245.9 .4	-3768.5	6.5	270.4	246.4 .5	-3774.9	6.4	270.4	246.8 .4	-3781.4	6.5	270.4	247.2 .4	-3787.9	6.5	270.4	247.6 .4	-3794.3	6.4	270.4	248.0 .4	-3800.8	6.5	270.4	248.4 .4	-3807.3	6.5	270.4	248.8 .4	-3813.7	6.4	270.4	249.3 .5	-3820.2	6.5	270.4	249.7 .4	-3826.7	6.5	270.4	250.1 .4	-3833.1	6.4	270.4	250.5 .4	-3839.6	6.5	270.4	250.9 .4	-3846.0	6.4	270.4	251.3 .4	-3852.5	6.5	270.4	251.7 .4	-3859.0	6.5	270.4	252.1 .4	-3865.4	6.4	270.4	252.6 .5	-3871.9	6.5	270.4	253.0 .4	-3878.4	6.5	270.4	253.4 .4	-3884.9	6.5	270.4	253.8 .4	-3891.3	6.4	270.4	254.2 .4	-3897.8	6.5	270.4	254.6 .4	-3904.3	6.5	270.4	255.0 .4	-3910.7	6.4	270.4	255.5 .5	-3917.2	6.5	270.4	255.9 .4	-3923.7	6.5	270.4	256.3+4	-3930.2	-6.5
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	270.5	238.1 .4	-3645.8	6.4	270.5	238.5 .4	-3652.3	6.5	270.5	239.7 .4	-3671.6	6.4	270.5	240.2 .5	-3678.1	6.5	270.5	240.6 .4	-3684.5	6.4	270.5	241.0 .4	-3691.0	6.5	270.5	241.4 .4	-3697.4	6.4	270.5	241.8 .4	-3703.9	6.5	270.5	242.2 .4	-3710.4	6.5	270.5	242.6 .4	-3716.8	6.4	270.5	243.0 .4	-3723.3	6.5	270.5	243.5 .5	-3729.7	6.4	270.5	243.9 .4	-3736.2	6.5	270.5	244.3 .4	-3742.6	6.4	270.5	244.7 .4	-3749.1	6.5	270.5	245.1 .4	-3755.6	6.5	270.5	245.5 .4	-3762.0	6.4	270.5	245.9 .4	-3768.5	6.5	270.5	246.4 .5	-3774.9	6.4	270.5	246.8 .4	-3781.4	6.5	270.5	247.2 .4	-3787.9	6.5	270.5	247.6 .4	-3794.3	6.4	270.5	248.0 .4	-3800.8	6.5	270.5	248.4 .4	-3807.3	6.5	270.5	248.8 .4	-3813.7	6.4	270.5	249.3 .5	-3820.2	6.5	270.5	249.7 .4	-3826.7	6.5	270.5	250.1 .4	-3833.1	6.4	270.5	250.5 .4	-3839.6	6.5	270.5	250.9 .4	-3846.0	6.4	270.5	251.3 .4	-3852.5	6.5	270.5	251.7 .4	-3859.0	6.5	270.5	252.1 .4	-3865.4	6.4	270.5	252.6 .5	-3871.9	6.5	270.5	253.0 .4	-3878.4	6.5	270.5	253.4 .4	-3884.9	6.5	270.5	253.8 .4	-3891.3	6.4	270.5	254.2 .4	-3897.8	6.5	270.5	254.6 .4	-3904.3	6.5	270.5	255.0 .4	-3910.7	6.4	270.5	255.5 .5	-3917.2	6.5	270.5	255.9 .4	-3923.7	6.5	270.5	256.3+4	-3930.2	-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	270.6	238.5 .4	-3652.3	6.5	270.6	239.7 .4	-3671.6	6.4	270.6	240.2 .5	-3678.1	6.5	270.6	240.6 .4	-3684.5	6.4	270.6	241.0 .4	-3691.0	6.5	270.6	241.4 .4	-3697.4	6.4	270.6	241.8 .4	-3703.9	6.5	270.6	242.2 .4	-3710.4	6.5	270.6	242.6 .4	-3716.8	6.4	270.6	243.0 .4	-3723.3	6.5	270.6	243.5 .5	-3729.7	6.4	270.6	243.9 .4	-3736.2	6.5	270.6	244.3 .4	-3742.6	6.4	270.6	244.7 .4	-3749.1	6.5	270.6	245.1 .4	-3755.6	6.5	270.6	245.5 .4	-3762.0	6.4	270.6	245.9 .4	-3768.5	6.5	270.6	246.4 .5	-3774.9	6.4	270.6	246.8 .4	-3781.4	6.5	270.6	247.2 .4	-3787.9	6.5	270.6	247.6 .4	-3794.3	6.4	270.6	248.0 .4	-3800.8	6.5	270.6	248.4 .4	-3807.3	6.5	270.6	248.8 .4	-3813.7	6.4	270.6	249.3 .5	-3820.2	6.5	270.6	249.7 .4	-3826.7	6.5	270.6	250.1 .4	-3833.1	6.4	270.6	250.5 .4	-3839.6	6.5	270.6	250.9 .4	-3846.0	6.4	270.6	251.3 .4	-3852.5	6.5	270.6	251.7 .4	-3859.0	6.5	270.6	252.1 .4	-3865.4	6.4	270.6	252.6 .5	-3871.9	6.5	270.6	253.0 .4	-3878.4	6.5	270.6	253.4 .4	-3884.9	6.5	270.6	253.8 .4	-3891.3	6.4	270.6	254.2 .4	-3897.8	6.5	270.6	254.6 .4	-3904.3	6.5	270.6	255.0 .4	-3910.7	6.4	270.6	255.5 .5	-3917.2	6.5	270.6	255.9 .4	-3923.7	6.5	270.6	256.3+4	-3930.2	-6.5								
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	270.7	239.7 .4	-3671.6	6.4	270.7	240.2 .5	-3678.1	6.5	270.7	240.6 .4	-3684.5	6.4	270.7	241.0 .4	-3691.0	6.5	270.7	241.4 .4	-3697.4	6.4	270.7	241.8 .4	-3703.9	6.5	270.7	242.2 .4	-3710.4	6.5	270.7	242.6 .4	-3716.8	6.4	270.7	243.0 .4	-3723.3	6.5	270.7	243.5 .5	-3729.7	6.4	270.7	243.9 .4	-3736.2	6.5	270.7	244.3 .4	-3742.6	6.4	270.7	244.7 .4	-3749.1	6.5	270.7	245.1 .4	-3755.6	6.5	270.7	245.5 .4	-3762.0	6.4	270.7	245.9 .4	-3768.5	6.5	270.7	246.4 .5	-3774.9	6.4	270.7	246.8 .4	-3781.4	6.5	270.7	247.2 .4	-3787.9	6.5	270.7	247.6 .4	-3794.3	6.4	270.7	248.0 .4	-3800.8	6.5	270.7	248.4 .4	-3807.3	6.5	270.7	248.8 .4	-3813.7	6.4	270.7	249.3 .5	-3820.2	6.5	270.7	249.7 .4	-3826.7	6.5	270.7	250.1 .4	-3833.1	6.4	270.7	250.5 .4	-3839.6	6.5	270.7	250.9 .4	-3846.0	6.4	270.7	251.3 .4	-3852.5	6.5	270.7	251.7 .4	-3859.0	6.5	270.7	252.1 .4	-3865.4	6.4	270.7	252.6 .5	-3871.9	6.5	270.7	253.0 .4	-3878.4	6.5	270.7	253.4 .4	-3884.9	6.5	270.7	253.8 .4	-3891.3	6.4	270.7	254.2 .4	-3897.8	6.5	270.7	254.6 .4	-3904.3	6.5	270.7	255.0 .4	-3910.7	6.4	270.7	255.5 .5	-3917.2	6.5	270.7	255.9 .4	-3923.7	6.5	270.7	256.3+4	-3930.2	-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	270.8	239.7 .4	-3671.6	6.4	270.8	240.2 .5	-3678.1	6.5	270.8	240.6 .4	-3684.5	6.4	270.8	241.0 .4	-3691.0	6.5	270.8	241.4 .4	-3697.4	6.4	270.8	241.8 .4	-3703.9	6.5	270.8	242.2 .4	-3710.4	6.5	270.8	242.6 .4	-3716.8	6.4	270.8	243.0 .4	-3723.3	6.5	270.8	243.5 .5	-3729.7	6.4	270.8	243.9 .4	-3736.2	6.5	270.8	244.3 .4	-3742.6	6.4	270.8	244.7 .4	-3749.1	6.5	270.8	245.1 .4	-3755.6	6.5	270.8	245.5 .4	-3762.0	6.4	270.8	245.9 .4	-3768.5	6.5	270.8	246.4 .5	-3774.9	6.4	270.8	246.8 .4	-3781.4	6.5	270.8	247.2 .4	-3787.9	6.5	270.8	247.6 .4	-3794.3	6.4	270.8	248.0 .4	-3800.8	6.5	270.8	248.4 .4	-3807.3	6.5	270.8	248.8 .4	-3813.7	6.4	270.8	249.3 .5	-3820.2	6.5	270.8	249.7 .4	-3826.7	6.5	270.8	250.1 .4	-3833.1	6.4	270.8	250.5 .4	-3839.6	6.5	270.8	250.9 .4	-3846.0	6.4	270.8	251.3 .4	-3852.5	6.5	270.8	251.7 .4	-3859.0	6.5	270.8	252.1 .4	-3865.4	6.4	270.8</td																																																			

R36	X36	Z36	R36	X36	Z36	R36	X36	Z36
275.0	256.5+0	-3930.2 -0.0	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 0.5	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 0.5	288.3	311.4 .4	-4795.1 0.5
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	275.6 .5	-4234.9 6.5	284.7	296.5 .4	-4560.2 0.5	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

R36 X36 Z36

290.0	318.5+0	-4906.3 - .0
290.1	318.9 .4	-4912.8 6.5
290.2	319.3 .4	-4919.4 6.6
290.3	319.7 .4	-4925.9 6.5
290.4	320.1 .4	-4932.5 6.6
290.5	320.6 .5	-4939.0 6.5
290.6	321.0 .4	-4945.6 6.6
290.7	321.4 .4	-4952.1 6.5
290.8	321.8 .4	-4958.6 6.5
290.9	322.2 .4	-4965.2 6.6
291.0	322.6 .4	-4971.7 6.5
291.1	323.0 .4	-4978.3 6.6
291.2	323.5 .5	-4984.8 6.5
291.3	323.9 .4	-4991.4 6.6
291.4	324.3 .4	-4997.9 6.5
291.5	324.7 .4	-5004.5 6.6
291.6	325.1 .4	-5011.0 6.5
291.7	325.5 .4	-5017.6 6.6
291.8	326.0 .5	-5024.1 6.5
291.9	326.4 .4	-5030.7 6.6
292.0	326.8 .4	-5037.2 6.5
292.1	327.2 .4	-5043.8 6.6
292.2	327.6 .4	-5050.3 6.5
292.3	328.0 .4	-5056.9 6.6
292.4	328.4 .4	-5063.4 6.5
292.5	328.9 .5	-5070.0 6.6
292.6	329.3 .4	-5076.5 6.5
292.7	329.7 .4	-5083.1 6.6
292.8	330.1 .4	-5089.6 6.5
292.9	330.5 .4	-5096.2 6.6
293.0	330.9 .4	-5102.8 6.6
293.1	331.4 .5	-5109.3 6.5
293.2	331.8 .4	-5115.9 6.6
293.3	332.2 .4	-5122.4 6.5
293.4	332.6 .4	-5129.0 6.6
293.5	333.0 .4	-5135.5 6.5
293.6	333.4 .4	-5142.1 6.6
293.7	333.9 .5	-5148.6 6.5
293.8	334.3 .4	-5155.2 6.6
293.9	334.7 .4	-5161.8 6.6
294.0	335.1 .4	-5168.3 6.5
294.1	335.5 .4	-5174.9 6.6
294.2	335.9 .4	-5181.4 6.5
294.3	336.3 .4	-5188.0 6.6
294.4	336.8 .5	-5194.6 6.6
294.5	337.2 .4	-5201.1 6.5
294.6	337.6 .4	-5207.7 6.6
294.7	338.0 .4	-5214.3 6.6
294.8	338.4 .4	-5220.8 6.5
294.9	338.8 .4	-5227.4 6.6
295.0	339.3+5	-5233.9 - 6.5

290.0 - 305.0

R36	X36	Z36
295.0	339.3+5	-5233.9 - 6.5
295.1	339.7 .4	-5240.5 6.6
295.2	340.1 .4	-5247.1 6.6
295.3	340.5 .4	-5253.6 6.5
295.4	340.9 .4	-5260.2 6.6
295.5	341.3 .4	-5266.8 6.6
295.6	341.8 .5	-5273.3 6.5
295.7	342.2 .4	-5279.9 6.6
295.8	342.6 .4	-5286.5 6.6
295.9	343.0 .4	-5293.0 6.5
296.0	343.4 .4	-5299.6 6.6
296.1	343.8 .4	-5306.2 6.6
296.2	344.2 .4	-5312.7 6.5
296.3	344.7 .5	-5319.3 6.6
296.4	345.1 .4	-5325.9 6.6
296.5	345.5 .4	-5332.5 6.6
296.6	345.9 .4	-5339.0 6.5
296.7	346.3 .4	-5345.6 6.6
296.8	346.7 .4	-5352.2 6.6
296.9	347.2 .5	-5358.7 6.5
297.0	347.6 .4	-5365.3 6.6
297.1	348.0 .4	-5371.9 6.6
297.2	348.4 .4	-5378.5 6.6
297.3	348.8 .4	-5385.0 6.5
297.4	349.2 .4	-5391.6 6.6
297.5	349.7 .5	-5398.2 6.6
297.6	350.1 .4	-5404.8 6.6
297.7	350.5 .4	-5411.3 6.5
297.8	350.9 .4	-5417.9 6.6
297.9	351.3 .4	-5424.5 6.6
298.0	351.7 .4	-5431.1 6.6
298.1	352.2 .5	-5437.6 6.5
298.2	352.6 .4	-5444.2 6.6
298.3	353.0 .4	-5450.8 6.6
298.4	353.4 .4	-5457.4 6.6
298.5	353.8 .4	-5464.0 6.6
298.6	354.2 .4	-5470.5 6.5
298.7	354.6 .4	-5477.1 6.6
298.8	355.1 .5	-5483.7 6.6
298.9	355.5 .4	-5490.3 6.6
299.0	355.9 .4	-5496.9 6.6
299.1	356.3 .4	-5503.4 6.5
299.2	356.7 .4	-5510.0 6.6
299.3	357.1 .4	-5516.6 6.6
299.4	357.6 .5	-5523.2 6.6
299.5	358.0 .4	-5529.8 6.6
299.6	358.4 .4	-5536.4 6.6
299.7	358.8 .4	-5542.9 6.5
299.8	359.2 .4	-5549.5 6.6
299.9	359.6 .4	-5556.1 6.6
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

R36			305.0 - 320.0			R36			X36			Z36		
R36	X36	Z36	R36	X36	Z36	R36	X36	Z36	R36	X36	Z36	R36	X36	Z36
305.0	380.9+0	-5892.5	.0	310.0	401.7+4	-6223.4	-6.7	315.0	422.6+4	-6555.3	-6.7			
305.1	381.3 .4	-5899.1	6.6	310.1	402.2 .5	-6230.0	6.6	315.1	423.0 .4	-6561.9	6.6			
305.2	381.7 .4	-5905.7	6.6	310.2	402.6 .4	-6236.6	6.6	315.2	423.5 .5	-6568.5	6.6			
305.3	382.1 .4	-5912.3	6.6	310.3	403.0 .4	-6243.3	6.7	315.3	423.9 .4	-6575.2	6.7			
305.4	382.6 .5	-5918.9	6.6	310.4	403.4 .4	-6249.9	6.6	315.4	424.3 .4	-6581.8	6.6			
305.5	383.0 .4	-5925.5	6.6	310.5	403.8 .4	-6256.5	6.6	315.5	424.7 .4	-6588.5	6.7			
305.6	383.4 .4	-5932.2	6.7	310.6	404.2 .4	-6263.1	6.6	315.6	425.1 .4	-6595.1	6.6			
305.7	383.8 .4	-5938.8	6.6	310.7	404.7 .5	-6269.8	6.7	315.7	425.5 .4	-6601.8	6.7			
305.8	384.2 .4	-5945.4	6.6	310.8	405.1 .4	-6276.4	6.6	315.8	426.0 .5	-6608.4	6.6			
305.9	384.6 .4	-5952.0	6.6	310.9	405.5 .4	-6283.0	6.6	315.9	426.4 .4	-6615.1	6.7			
306.0	385.1 .5	-5958.6	6.6	311.0	405.9 .4	-6289.7	6.7	316.0	426.8 .4	-6621.7	6.6			
306.1	385.5 .4	-5965.2	6.6	311.1	406.3 .4	-6296.3	6.6	316.1	427.2 .4	-6628.4	6.7			
306.2	385.9 .4	-5971.8	6.6	311.2	406.7 .4	-6302.9	6.6	316.2	427.6 .4	-6635.1	6.7			
306.3	386.3 .4	-5978.4	6.6	311.3	407.2 .5	-6309.6	6.7	316.3	428.0 .4	-6641.7	6.6			
306.4	386.7 .4	-5985.0	6.6	311.4	407.6 .4	-6316.2	6.6	316.4	428.5 .5	-6648.4	6.7			
306.5	387.1 .4	-5991.7	6.7	311.5	408.0 .4	-6322.8	6.6	316.5	428.9 .4	-6655.0	6.6			
306.6	387.6 .5	-5998.3	6.6	311.6	408.4 .4	-6329.5	6.7	316.6	429.3 .4	-6661.7	6.7			
306.7	388.0 .4	-6004.9	6.6	311.7	408.8 .4	-6336.1	6.6	316.7	429.7 .4	-6668.3	6.6			
306.8	388.4 .4	-6011.5	6.6	311.8	409.2 .4	-6342.7	6.6	316.8	430.1 .4	-6675.0	6.7			
306.9	388.8 .4	-6018.1	6.6	311.9	409.7 .5	-6349.4	6.7	316.9	430.6 .5	-6681.6	6.6			
307.0	389.2 .4	-6024.7	6.6	312.0	410.1 .4	-6356.0	6.6	317.0	431.0 .4	-6688.3	6.7			
307.1	389.6 .4	-6031.3	6.6	312.1	410.5 .4	-6362.6	6.6	317.1	431.4 .4	-6694.9	6.6			
307.2	390.1 .5	-6038.0	6.7	312.2	410.9 .4	-6369.3	6.7	317.2	431.8 .4	-6701.6	6.7			
307.3	390.5 .4	-6044.6	6.6	312.3	411.3 .4	-6375.9	6.6	317.3	432.2 .4	-6708.3	6.7			
307.4	390.9 .4	-6051.2	6.6	312.4	411.8 .5	-6382.5	6.6	317.4	432.6 .4	-6714.9	6.6			
307.5	391.3 .4	-6057.8	6.6	312.5	412.2 .4	-6389.2	6.7	317.5	433.1 .5	-6721.6	6.7			
307.6	391.7 .4	-6064.4	6.6	312.6	412.6 .4	-6395.8	6.6	317.6	433.5 .4	-6728.2	6.6			
307.7	392.1 .4	-6071.0	6.6	312.7	413.0 .4	-6402.5	6.7	317.7	433.9 .4	-6734.9	6.7			
307.8	392.6 .5	-6077.7	6.7	312.8	413.4 .4	-6409.1	6.6	317.8	434.3 .4	-6741.5	6.6			
307.9	393.0 .4	-6084.3	6.6	312.9	413.8 .4	-6415.7	6.6	317.9	434.7 .4	-6748.2	6.7			
308.0	393.4 .4	-6090.9	6.6	313.0	414.3 .5	-6422.4	6.7	318.0	435.2 .5	-6754.9	6.7			
308.1	393.8 .4	-6097.5	6.6	313.1	414.7 .4	-6429.0	6.6	318.1	435.6 .4	-6761.5	6.6			
308.2	394.2 .4	-6104.1	6.6	313.2	415.1 .4	-6435.7	6.7	318.2	436.0 .4	-6768.2	6.7			
308.3	394.6 .4	-6110.8	6.7	313.3	415.5 .4	-6442.3	6.6	318.3	436.4 .4	-6774.8	6.6			
308.4	395.1 .5	-6117.4	6.6	313.4	415.9 .4	-6448.9	6.6	318.4	436.8 .4	-6781.5	6.7			
308.5	395.5 .4	-6124.0	6.6	313.5	416.3 .4	-6455.6	6.7	318.5	437.2 .4	-6788.2	6.7			
308.6	395.9 .4	-6130.6	6.6	313.6	416.8 .5	-6462.2	6.6	318.6	437.7 .5	-6794.8	6.6			
308.7	396.3 .4	-6137.2	6.6	313.7	417.2 .4	-6468.9	6.7	318.7	438.1 .4	-6801.5	6.7			
308.8	396.7 .4	-6143.9	6.7	313.8	417.6 .4	-6475.5	6.6	318.8	438.5 .4	-6808.1	6.6			
308.9	397.1 .4	-6150.5	6.6	313.9	418.0 .4	-6482.1	6.6	318.9	438.9 .4	-6814.8	6.7			
309.0	397.6 .5	-6157.1	6.6	314.0	418.4 .4	-6488.8	6.7	319.0	439.3 .4	-6821.5	6.7			
309.1	398.0 .4	-6163.7	6.6	314.1	418.9 .5	-6495.4	6.6	319.1	439.8 .5	-6828.1	6.6			
309.2	398.4 .4	-6170.4	6.7	314.2	419.3 .4	-6502.1	6.7	319.2	440.2 .4	-6834.8	6.7			
309.3	398.8 .4	-6177.0	6.6	314.3	419.7 .4	-6508.7	6.6	319.3	440.6 .4	-6841.5	6.7			
309.4	399.2 .4	-6183.6	6.6	314.4	420.1 .4	-6515.4	6.7	319.4	441.0 .4	-6848.1	6.6			
309.5	399.7 .5	-6190.2	6.6	314.5	420.5 .4	-6522.0	6.6	319.5	441.4 .4	-6854.8	6.7			
309.6	400.1 .4	-6196.9	6.7	314.6	420.9 .4	-6528.7	6.7	319.6	441.8 .4	-6861.5	6.7			
309.7	400.5 .4	-6203.5	6.6	314.7	421.4 .5	-6535.3	6.6	319.7	442.3 .5	-6868.1	6.6			
309.8	400.9 .4	-6210.1	6.6	314.8	421.8 .4	-6542.0	6.7	319.8	442.7 .4	-6874.8	6.7			
309.9	401.3 .4	-6216.7	6.6	314.9	422.2 .4	-6548.6	6.6	319.9	443.1 .4	-6881.5	6.7			
310.0	401.7+4	-6223.4	-6.7	315.0	422.6+4	-6555.3	-6.7	320.0	443.5+4	-6888.1	-6.6			

R36	X36	Z36	R36	X36	Z36	R36	X36	Z36
320.0	443.5+0	-6888.1 - .0	325.0	464.5+5	-7222.0 - 6.7	330.0	485.4+4	-7556.8 - 6.7
320.1	443.9 .4	-6894.8 6.7	325.1	464.9 .4	-7228.7 6.7	330.1	485.8 .4	-7563.5 6.7
320.2	444.4 .5	-6901.5 6.7	325.2	465.3 .4	-7235.4 6.7	330.2	486.3 .5	-7570.2 6.7
320.3	444.8 .4	-6908.1 6.6	325.3	465.7 .4	-7242.0 6.6	330.3	486.7 .4	-7576.9 6.7
320.4	445.2 .4	-6914.8 6.7	325.4	466.1 .4	-7248.7 6.7	330.4	487.1 .4	-7583.6 6.7
320.5	445.6 .4	-6921.5 6.7	325.5	466.5 .4	-7255.4 6.7	330.5	487.5 .4	-7590.3 6.7
320.6	446.0 .4	-6928.1 6.6	325.6	467.0 .5	-7262.1 6.7	330.6	487.9 .4	-7597.0 6.7
320.7	446.4 .4	-6934.8 6.7	325.7	467.4 .4	-7268.8 6.7	330.7	488.3 .4	-7603.7 6.7
320.8	446.9 .5	-6941.5 6.7	325.8	467.8 .4	-7275.5 6.7	330.8	488.8 .5	-7610.4 6.7
320.9	447.3 .4	-6948.2 6.7	325.9	468.2 .4	-7282.2 6.7	330.9	489.2 .4	-7617.1 6.7
321.0	447.7 .4	-6954.8 6.6	326.0	468.6 .4	-7288.9 6.7	331.0	489.6 .4	-7623.9 6.8
321.1	448.1 .4	-6961.5 6.7	326.1	469.1 .5	-7295.6 6.7	331.1	490.0 .4	-7630.6 6.7
321.2	448.5 .4	-6968.2 6.7	326.2	469.5 .4	-7302.2 6.6	331.2	490.4 .4	-7637.3 6.7
321.3	449.0 .5	-6974.8 6.6	326.3	469.9 .4	-7308.9 6.7	331.3	490.9 .5	-7644.0 6.7
321.4	449.4 .4	-6981.5 6.7	326.4	470.3 .4	-7315.6 6.7	331.4	491.3 .4	-7650.7 6.7
321.5	449.8 .4	-6988.2 6.7	326.5	470.7 .4	-7322.3 6.7	331.5	491.7 .4	-7657.4 6.7
321.6	450.2 .4	-6994.9 6.7	326.6	471.2 .5	-7329.0 6.7	331.6	492.1 .4	-7664.1 6.7
321.7	450.6 .4	-7001.5 6.6	326.7	471.6 .4	-7335.7 6.7	331.7	492.5 .4	-7670.8 6.7
321.8	451.1 .5	-7008.2 6.7	326.8	472.0 .4	-7342.4 6.7	331.8	493.0 .5	-7677.5 6.7
321.9	451.5 .4	-7014.9 6.7	326.9	472.4 .4	-7349.1 6.7	331.9	493.4 .4	-7684.2 6.7
322.0	451.9 .4	-7021.6 6.7	327.0	472.8 .4	-7355.8 6.7	332.0	493.8 .4	-7691.0 6.8
322.1	452.3 .4	-7028.2 6.6	327.1	473.3 .5	-7362.5 6.7	332.1	494.2 .4	-7697.7 6.7
322.2	452.7 .4	-7034.9 6.7	327.2	473.7 .4	-7369.2 6.7	332.2	494.6 .4	-7704.4 6.7
322.3	453.1 .4	-7041.6 6.7	327.3	474.1 .4	-7375.9 6.7	332.3	495.1 .5	-7711.1 6.7
322.4	453.6 .5	-7048.3 6.7	327.4	474.5 .4	-7382.6 6.7	332.4	495.5 .4	-7717.8 6.7
322.5	454.0 .4	-7054.9 6.6	327.5	474.9 .4	-7389.3 6.7	332.5	495.9 .4	-7724.5 6.7
322.6	454.4 .4	-7061.6 6.7	327.6	475.3 .4	-7396.0 6.7	332.6	496.3 .4	-7731.2 6.7
322.7	454.8 .4	-7068.3 6.7	327.7	475.8 .5	-7402.7 6.7	332.7	496.7 .4	-7738.0 6.8
322.8	455.2 .4	-7075.0 6.7	327.8	476.2 .4	-7409.4 6.7	332.8	497.2 .5	-7744.7 6.7
322.9	455.7 .5	-7081.6 6.6	327.9	476.6 .4	-7416.1 6.7	332.9	497.6 .4	-7751.4 6.7
323.0	456.1 .4	-7088.3 6.7	328.0	477.0 .4	-7422.7 6.6	333.0	498.0 .4	-7758.1 6.7
323.1	456.5 .4	-7095.0 6.7	328.1	477.4 .4	-7429.4 6.7	333.1	498.4 .4	-7764.8 6.7
323.2	456.9 .4	-7101.7 6.7	328.2	477.9 .5	-7436.1 6.7	333.2	498.8 .4	-7771.5 6.7
323.3	457.3 .4	-7108.4 6.7	328.3	478.3 .4	-7442.8 6.7	333.3	499.3 .5	-7778.3 6.8
323.4	457.8 .5	-7115.0 6.6	328.4	478.7 .4	-7449.5 6.7	333.4	499.7 .4	-7785.0 6.7
323.5	458.2 .4	-7121.7 6.7	328.5	479.1 .4	-7456.2 6.7	333.5	500.1 .4	-7791.7 6.7
323.6	458.6 .4	-7128.4 6.7	328.6	479.5 .4	-7462.9 6.7	333.6	500.5 .4	-7798.4 6.7
323.7	459.0 .4	-7135.1 6.7	328.7	480.0 .5	-7469.6 6.7	333.7	500.9 .4	-7805.1 6.7
323.8	459.4 .4	-7141.8 6.7	328.8	480.4 .4	-7476.3 6.7	333.8	501.4 .5	-7811.8 6.7
323.9	459.8 .4	-7148.5 6.7	328.9	480.8 .4	-7483.0 6.7	333.9	501.8 .4	-7818.6 6.8
324.0	460.3 .5	-7155.1 6.6	329.0	481.2 .4	-7489.7 6.7	334.0	502.2 .4	-7825.3 6.7
324.1	460.7 .4	-7161.8 6.7	329.1	481.6 .4	-7496.4 6.7	334.1	502.6 .4	-7832.0 6.7
324.2	461.1 .4	-7168.5 6.7	329.2	482.1 .5	-7503.1 6.7	334.2	503.0 .4	-7838.7 6.7
324.3	461.5 .4	-7175.2 6.7	329.3	482.5 .4	-7509.9 6.8	334.3	503.5 .5	-7845.4 6.7
324.4	461.9 .4	-7181.9 6.7	329.4	482.9 .4	-7516.6 6.7	334.4	503.9 .4	-7852.2 6.8
324.5	462.4 .5	-7188.6 6.7	329.5	483.3 .4	-7523.3 6.7	334.5	504.3 .4	-7858.9 6.7
324.6	462.8 .4	-7195.2 6.6	329.6	483.7 .4	-7530.0 6.7	334.6	504.7 .4	-7865.6 6.7
324.7	463.2 .4	-7201.9 6.7	329.7	484.2 .5	-7536.7 6.7	334.7	505.1 .4	-7872.3 6.7
324.8	463.6 .4	-7208.6 6.7	329.8	484.6 .4	-7543.4 6.7	334.8	505.6 .5	-7879.1 6.8
324.9	464.0 .4	-7215.3 6.7	329.9	485.0 .4	-7550.1 6.7	334.9	506.0 .4	-7885.8 6.7
325.0	464.5+5	-7222.0 - 6.7	330.0	485.4+4	-7556.8 - 6.7	335.0	506.4+4	-7892.5 - 6.7

R36 (212.73)

THIS PAGE INTENTIONALLY BLANK

-14-
5/12/72

R32		Z32		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	-1266.4	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	-1218.6	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	-1151.0	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	-1135.5	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	R32	Z32
205.0	235.8 + .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	374.0 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	R32	Z32	R32	Z32	R32	Z32	
230.0	1743.9 + .0	235.0	2045.5	6.0	240.0	2347.2 +6.1	245.0	2648.8 +6.1	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	2890.1 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 6.0	240.0	2347.2 6.1	245.0	2648.8 6.1	250.0	2950.4 6.0	255.0	3252.0 6.0	

R32		Z32		R32		Z32		R32		Z32		R32		Z32	
255.0	3252.0 + .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				
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						

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	300.0	5966.5 +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	300.0	5966.5 +6.0	305.0	6268.2 +6.1		

R₃₂ (201.09)

R28	X28	Z28	R28	X28	Z28	R28	X28	Z28
170.0	124.3-0	-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	30.0-0.0	-298.9 +.0	190.0	-0.7-.6	7.3 +6.1	195.0	-31.5-0.6	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 .0	-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 .0	-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 .0	-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 .0	-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 .0	-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 .0	-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 .0	-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 .0	-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 .0	-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 .0	-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 .0	-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 .0	-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	.9 .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

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	-64.9 .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 .0	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

R28	X28	Z28	R28	X28	Z28	R28	X28	Z28
215.0 -154.7-0	1623.7 +0.0		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	

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 -342.4 .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 .0	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)

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	-0.9 .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	-0.8 .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	-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	-0.7 .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	-0.6 .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	-0.6 .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	-0.5 .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	-0.4 .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	-0.4 .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	-0.3 .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	-0.2 .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	-0.2 .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	-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	-0.9 4.5			
159.3	-7.1 .1	424.5 4.1	164.3	-3.4 .1	214.6 4.3	169.3	0 .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	0 .2	-9.9 4.5			
159.5	-7.0 .0	416.3 4.1	164.5	-3.3 .0	206.0 4.3	169.5	0 .3	-14.4 4.5			
159.6	-6.9 .1	412.2 4.1	164.6	-3.2 .1	201.6 4.4	169.6	0 .3	-19.0 4.6			
159.7	-6.8 .1	408.1 4.1	164.7	-3.1 .1	197.3 4.3	169.7	0 .4	-23.5 4.5			
159.8	-6.7 .1	404.0 4.1	164.8	-3.0 .1	193.0 4.3	169.8	0 .5	-28.0 4.5			
159.9	-6.7 .0	399.9 4.1	164.9	-3.0 .0	188.7 4.3	169.9	0 .5	-32.5 4.5			
160.0	-6.6+1	395.7 - 4.2	165.0	-2.9+1	184.4 - 4.3	170.0	0 .6	-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			

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)

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						

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		R16		Z16		R16		Z16	
170.0 - 195.0				170.0 - 195.0				170.0 - 195.0				170.0 - 195.0			
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	-1116.4	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	R16	Z16	R16	Z16
195.0	-3666.8	- .0	200.0	-4142.5	-9.4	205.0	-4602.8	-9.0	210.0	-5045.4	-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	9.0	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	9.0	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)

R12	X12	Z12	110.0 - 125.0			R12	X12	Z12	R12	X12	Z12
			R12	X12	Z12						
110.0	-36.1+0.0	-3837.0 + .0	115.0	-30.5+2.	-3393.9 +9.0	120.0	-22.7+1.	-2942.5 +9.1			
110.1	-37.9 .2	-3828.3 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	-3819.5 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	-3801.9 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+9.0	120.0	-22.7+1	-2942.5+9.1	125.0	-14.7+1	-2483.6+9.3			

125.0 - 140.0			125.0 - 140.0			125.0 - 140.0		
R12	X12	Z12	R12	X12	Z12	R12	X12	Z12
125.0	-14.1+0.0	-2483.6 +0.0	130.0	-6.4+0.2	-2018.3 +9.4	135.0	2.0+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	-14.1 .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	-1905.3 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	-0.9 .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	-0.7 .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	-0.5 .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	-0.4 .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	-0.2 .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	0.0 .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	0.1 .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	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	0.5 .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	0.7 .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	0.8 .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+0.2	-2018.3 +9.4	135.0	2.0+0.2	-1547.6 +9.5	140.0	10.6+0.1	-1072.4+9.5

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	10.6 .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+0.0	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

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	95.04+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

THIS PAGE INTENTIONALLY BLANK

-42-
5/12/72

X_T _____
X₃₆ _____

X₂₈ _____

X₂₀ _____

X₁₂ _____

ΔV_X _____

R₁₂ _____ (151.09)

Z_T _____
Z₃₆ _____

Z₃₂ _____

Z₂₈ _____

Z₂₀ _____

Z₁₆ _____

Z₁₂ _____

ΔV_Z _____

NSR - RANGE ONLY CHART

-44-
5/12/72

ΔT	X T	Z T
30.	-1.8	+ .0
31.	-1.7	.1
32.	-1.7	.0
33.	-1.6	.1
34.	-1.5	.1
35.	-1.4	.1
36.	-1.3	.1
37.	-1.2	.1
38.	-1.1	.1
39.	-1.1	.0
40.	-1.0	.1
41.	-.9	.1
42.	-.8	.1
43.	-.7	.1
44.	-.6	.1
45.	-.6	.0
46.	-.5	.1
47.	-.4	.1
48.	-.3	.1
49.	-.2	.1
50.	-.2	.0
51.	-.1	.1
52.	.0	.1
53.	.1	.1
54.	.2	.1
55.	.2	.0
56.	.3	.1
57.	.4	.1
58.	.5	.1
59.	.6	.1
60.	.6	.0
61.	.7	.1
62.	.8	.1
63.	.9	.1
64.	.9	.0
65.	1.0	.1
66.	1.1	.1
67.	1.2	.1
68.	1.2	.0
69.	1.3	.1
70.	1.4	.1
71.	1.4	.0
72.	1.5	.1
73.	1.6	.1
74.	1.7	.1
75.	1.7	.0
76.	1.8	.1
77.	1.9	.1
78.	1.9	.0
79.	2.0	.1
80.	2.1	+ .1

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.	-290.0 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.	5.3 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

R24	X24	Z24	R24	X24	Z24	R24	X24	Z24
70.	174.1	- .0	-257.2	+ .0		120.	-91.7	-5.1
71.	168.8	5.3	-249.9	7.3		121.	-96.8	5.1
72.	163.5	5.3	-242.6	7.3		122.	-101.9	5.1
73.	158.2	5.3	-235.2	7.4		123.	-107.0	5.1
74.	152.9	5.3	-227.8	7.4		124.	-112.1	5.1
75.	147.5	5.4	-220.3	7.5		125.	-117.2	5.1
76.	142.2	5.3	-212.8	7.5		126.	-122.2	5.0
77.	136.9	5.3	-205.3	7.5		127.	-127.2	5.0
78.	131.5	5.4	-197.6	7.7		128.	-132.2	5.0
79.	126.2	5.3	-190.0	7.6		129.	-137.2	5.0
80.	120.8	5.4	-182.3	7.7		130.	-142.1	4.9
81.	115.4	5.4	-174.5	7.8		131.	-147.0	4.9
82.	110.1	5.3	-166.7	7.8		132.	-151.9	4.9
83.	104.7	5.4	-158.9	7.8		133.	-156.8	4.9
84.	99.3	5.4	-151.0	7.9		134.	-161.7	4.9
85.	94.0	5.3	-143.1	7.9		135.	-166.5	4.8
86.	88.0	5.4	-135.2	7.9		136.	-171.4	4.9
87.	83.2	5.4	-127.2	8.0		137.	-176.1	4.7
88.	77.8	5.4	-119.2	8.0		138.	-180.9	4.8
89.	72.4	5.4	-111.1	8.1		139.	-185.7	4.8
90.	67.1	5.3	-103.1	8.0		140.	-190.4	4.7
91.	61.7	5.4	-95.0	8.1		141.	-195.1	4.7
92.	56.3	5.4	-86.8	8.2		142.	-199.7	4.6
93.	50.9	5.4	-78.7	8.1		143.	-204.4	4.7
94.	45.5	5.4	-70.5	8.2		144.	-209.0	4.6
95.	40.2	5.3	-62.3	8.2		145.	-213.5	4.5
96.	34.8	5.4	-54.0	8.3		146.	-218.1	4.6
97.	29.4	5.4	-45.8	8.2		147.	-222.6	4.5
98.	24.1	5.3	-37.5	8.3		148.	-227.1	4.5
99.	18.7	5.4	-29.2	8.3		149.	-231.6	4.5
100.	13.4	5.3	-20.9	8.3		150.	-236.0	4.4
101.	8.0	5.4	-12.6	8.3		151.	-240.4	4.4
102.	2.7	5.3	-4.2	8.4		152.	-244.7	4.3
103.	-2.6	5.3	4.1	8.3		153.	-249.1	4.4
104.	-8.0	5.4	12.5	8.4		154.	-253.4	4.3
105.	-13.3	5.3	20.8	8.3		155.	-257.6	4.2
106.	-18.6	5.3	29.2	8.4		156.	-261.9	4.3
107.	-23.9	5.3	37.6	8.4		157.	-266.1	4.2
108.	-29.2	5.3	46.0	8.4		158.	-270.2	4.1
109.	-34.5	5.3	54.4	8.4		159.	-274.4	4.2
110.	-39.7	5.2	62.8	8.4		160.	-278.4	4.0
111.	-45.0	5.3	71.2	8.4		161.	-282.5	4.1
112.	-50.2	5.2	79.6	8.4		162.	-286.5	4.0
113.	-55.5	5.3	88.1	8.5		163.	-290.5	4.0
114.	-60.7	5.2	96.5	8.4		164.	-294.4	3.9
115.	-65.9	5.2	104.9	8.4		165.	-298.3	3.9
116.	-71.1	5.2	113.3	8.4		166.	-302.2	3.9
117.	-76.3	5.2	121.7	8.4		167.	-306.0	3.8
118.	-81.4	5.1	130.1	8.4		168.	-309.8	3.8
119.	-86.6	5.2	138.4	8.3		169.	-313.5	3.7
120.	-91.7	-5.1	146.8	+ 8.4		170.	-317.2	-3.7

R₂₄ (102.52)

R20	X20	Z20	R20	X20	Z20	R20	X20	Z20
70.	223.1	- .0	-207.0	+ .0		120.	-215.9	-9.3
71.	214.8	8.3	-199.0	8.0		121.	-225.2	9.3
72.	206.4	8.4	-191.1	7.9		122.	-234.6	9.4
73.	198.0	8.4	-183.2	7.9		123.	-243.9	9.3
74.	189.6	8.4	-175.2	8.0		124.	-253.3	9.4
75.	181.2	8.4	-167.3	7.9		125.	-262.7	9.4
76.	172.8	8.4	-159.4	7.9		126.	-272.1	9.4
77.	164.3	8.5	-151.4	8.0		127.	-281.6	9.5
78.	155.9	8.4	-143.5	7.9		128.	-291.1	9.5
79.	147.4	8.5	-135.5	8.0		129.	-300.6	9.5
80.	138.9	8.5	-127.6	7.9		130.	-310.1	9.5
81.	130.4	8.5	-119.7	7.9		131.	-319.7	9.6
82.	121.9	8.5	-111.7	8.0		132.	-329.3	9.6
83.	113.3	8.6	-103.8	7.9		133.	-338.9	9.6
84.	104.8	8.5	-95.9	7.9		134.	-348.5	9.6
85.	96.2	8.6	-87.9	8.0		135.	-358.2	9.7
86.	87.6	8.6	-80.0	7.9		136.	-367.9	9.7
87.	79.0	8.6	-72.0	8.0		137.	-377.6	9.7
88.	70.4	8.6	-64.1	7.9		138.	-387.3	9.7
89.	61.7	8.7	-56.2	7.9		139.	-397.1	9.8
90.	53.1	8.6	-48.2	8.0		140.	-406.9	9.8
91.	44.4	8.7	-40.3	7.9		141.	-416.7	9.8
92.	35.7	8.7	-32.4	7.9		142.	-426.6	9.9
93.	27.0	8.7	-24.4	8.0		143.	-436.5	9.9
94.	18.3	8.7	-16.5	7.9		144.	-446.4	9.9
95.	9.5	8.8	-8.5	8.0		145.	-456.3	9.9
96.	.7	8.8	-6	7.9		146.	-466.3	10.0
97.	-8.0	8.7	7.3	7.9		147.	-476.3	10.0
98.	-16.9	8.9	15.3	8.0		148.	-486.3	10.0
99.	-25.7	8.8	23.2	7.9		149.	-496.4	10.1
100.	-34.5	8.8	31.1	7.9		150.	-506.5	10.1
101.	-43.4	8.9	39.1	8.0		151.	-516.6	10.1
102.	-52.3	8.9	47.0	7.9		152.	-526.7	10.1
103.	-61.2	8.9	55.0	8.0		153.	-536.9	10.2
104.	-70.1	8.9	62.9	7.9		154.	-547.1	10.2
105.	-79.1	9.0	70.8	7.9		155.	-557.3	10.2
106.	-88.0	8.9	78.8	8.0		156.	-567.6	10.3
107.	-97.0	9.0	86.7	7.9		157.	-577.9	10.3
108.	-106.0	9.0	94.6	7.9		158.	-588.3	10.4
109.	-115.1	9.1	102.6	8.0		159.	-598.6	10.3
110.	-124.1	9.0	110.5	7.9		160.	-609.0	10.4
111.	-133.2	9.1	118.5	8.0		161.	-619.4	10.4
112.	-142.3	9.1	126.4	7.9		162.	-629.9	10.5
113.	-151.4	9.1	134.3	7.9		163.	-640.4	10.5
114.	-160.6	9.2	142.3	8.0		164.	-650.9	10.5
115.	-169.7	9.1	150.2	7.9		165.	-661.5	10.6
116.	-178.9	9.2	158.1	7.9		166.	-672.1	10.6
117.	-188.2	9.3	166.1	8.0		167.	-682.7	10.6
118.	-197.4	9.2	174.0	7.9		168.	-693.3	10.6
119.	-206.6	9.2	182.0	8.0		169.	-704.0	10.7
120.	-215.9	-9.3	189.9	+7.9		170.	-714.8	-10.8

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.	-94.9 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.	525.0 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.	84.0 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

-50-
5/12/72

X_T _____
X₂₈ _____
X₂₄ _____
X₂₀ _____
X₁₂ _____
 ΔV_X _____ (15.8)

R₁₂ _____ (85.25)

Z_T _____
Z₂₈ _____
Z₂₄ _____
Z₂₀ _____
Z₁₂ _____
 ΔV_Z _____ (+8.1)

THIS PAGE INTENTIONALLY BLANK

-52-
5/12/72

TPI - RANGE ONLY CHART

R32	X32	Z32	R28	X28	Z28	R24	X24	Z24
40.	-116.4	.0	123.5	-.0		32.	101.0	-.0
41.	-104.9	11.5	112.0	11.5		33.	96.0	4.4
42.	-93.8	11.1	101.1	10.9		34.	91.2	5.4
43.	-83.3	10.5	90.8	10.3		35.	84.9	6.3
44.	-73.2	10.1	81.0	9.8		36.	77.7	7.2
45.	-63.5	9.7	71.5	9.5		37.	69.9	7.8
46.	-54.3	9.2	62.3	9.2		38.	61.5	8.4
47.	-45.4	8.9	53.3	9.0		39.	52.8	8.7
48.	-36.8	8.6	44.4	8.9		40.	43.8	9.0
49.	-26.5	8.3	35.5	8.9		41.	34.6	9.2
50.	-20.5	8.0	26.5	9.0		42.	25.4	9.2
51.	-12.7	7.8	17.4	9.1		43.	16.4	9.0
52.	-5.2	7.5	8.1	9.3		44.	7.6	8.8
53.	2.2	7.4	-1.6	9.7		45.	-.8	8.4
54.	9.5	7.3	-11.7	10.1		46.	-8.7	7.9
55.	16.6	7.1	-22.2	10.5		47.	-15.9	7.2
56.	23.7	7.1	-33.4	11.2		48.	-22.3	6.4
57.	30.7	7.0	-45.2	11.8		49.	-27.8	5.5
58.	37.7	7.0	-57.8	12.6		50.	-32.2	4.4
59.	44.7	7.0	-71.3	13.5		51.	-35.5	3.3
60.	51.8	7.1	-85.6	14.3		52.	-37.4	1.9
61.	59.0	7.2	-101.0	15.4		53.	-37.9	-.5
62.	66.3	7.3	-117.5	16.5		54.	-36.8	+1.1
63.	73.7	7.4	-135.2	17.7		55.	-34.0	2.8
64.	81.3	7.6	-154.2	19.0		56.	-29.3	4.7
65.	89.1	7.8	-174.5	20.3		57.	-22.7	6.6
66.	97.2	8.1	-196.3	21.8		58.	-13.9	8.8
67.	105.6	8.4	-219.6	23.3		59.	-2.9	11.0
68.	114.2	8.6	-244.6	25.0		60.	10.5	13.4
69.	123.2	9.0	-271.2	26.6		61.	26.4	+15.9

R₃₂ ————— (52.84)

R₂₈ ————— (48.87)

R₂₄ ————— (44.92)

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

R16	X10	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 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.	25.5 - 3.6	-129.8 + 2.5	17.	14.6 - .0	1.4 - .2

TIGTP12 _____ : _____ : _____
 TIGTP11 _____ : _____ : _____
 ΔT _____ : _____ : _____
 0 : 00 : 00

R16
(37.08)

-55-
 5/12/72

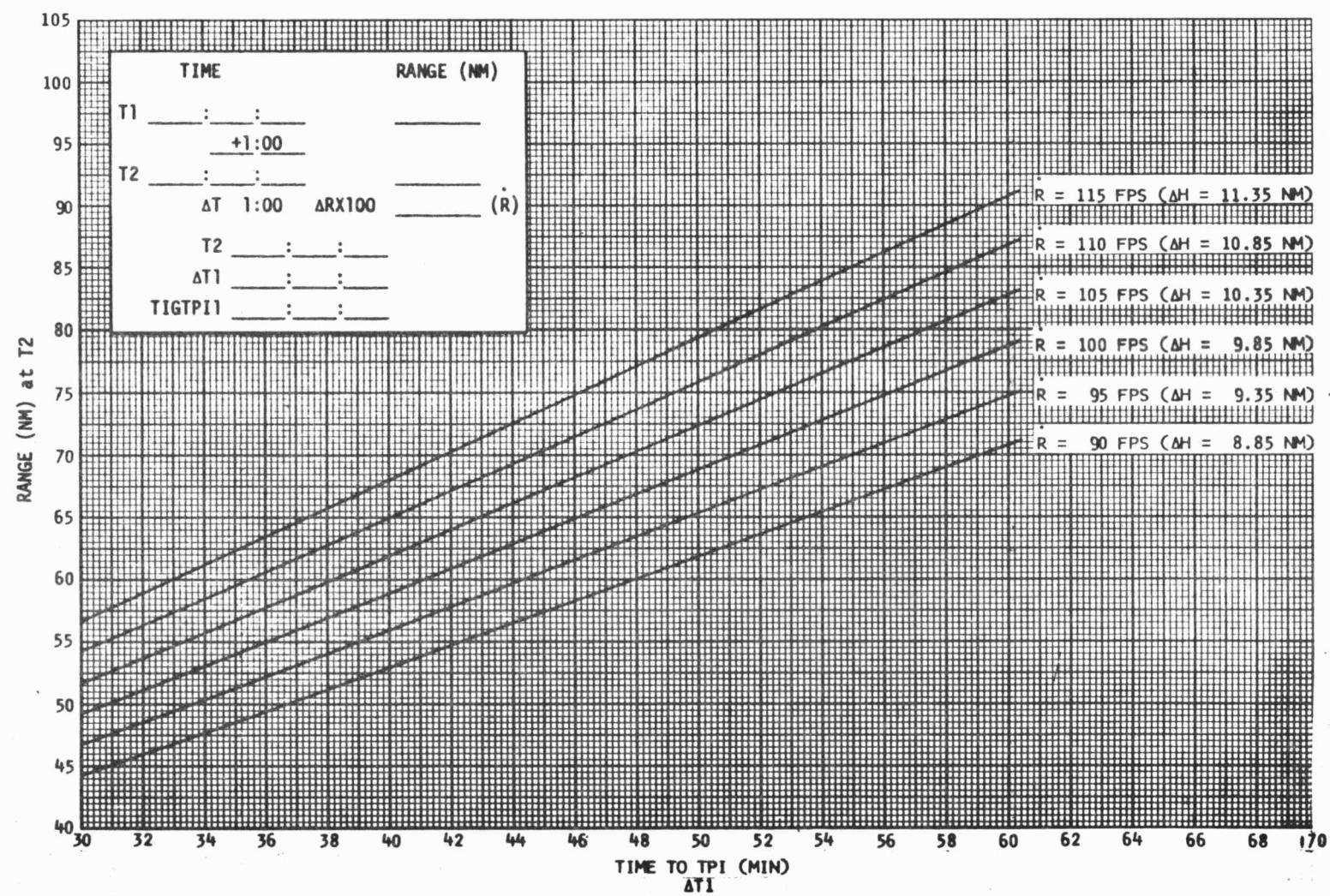
THIS PAGE INTENTIONALLY BLANK

-56-
5/12/72

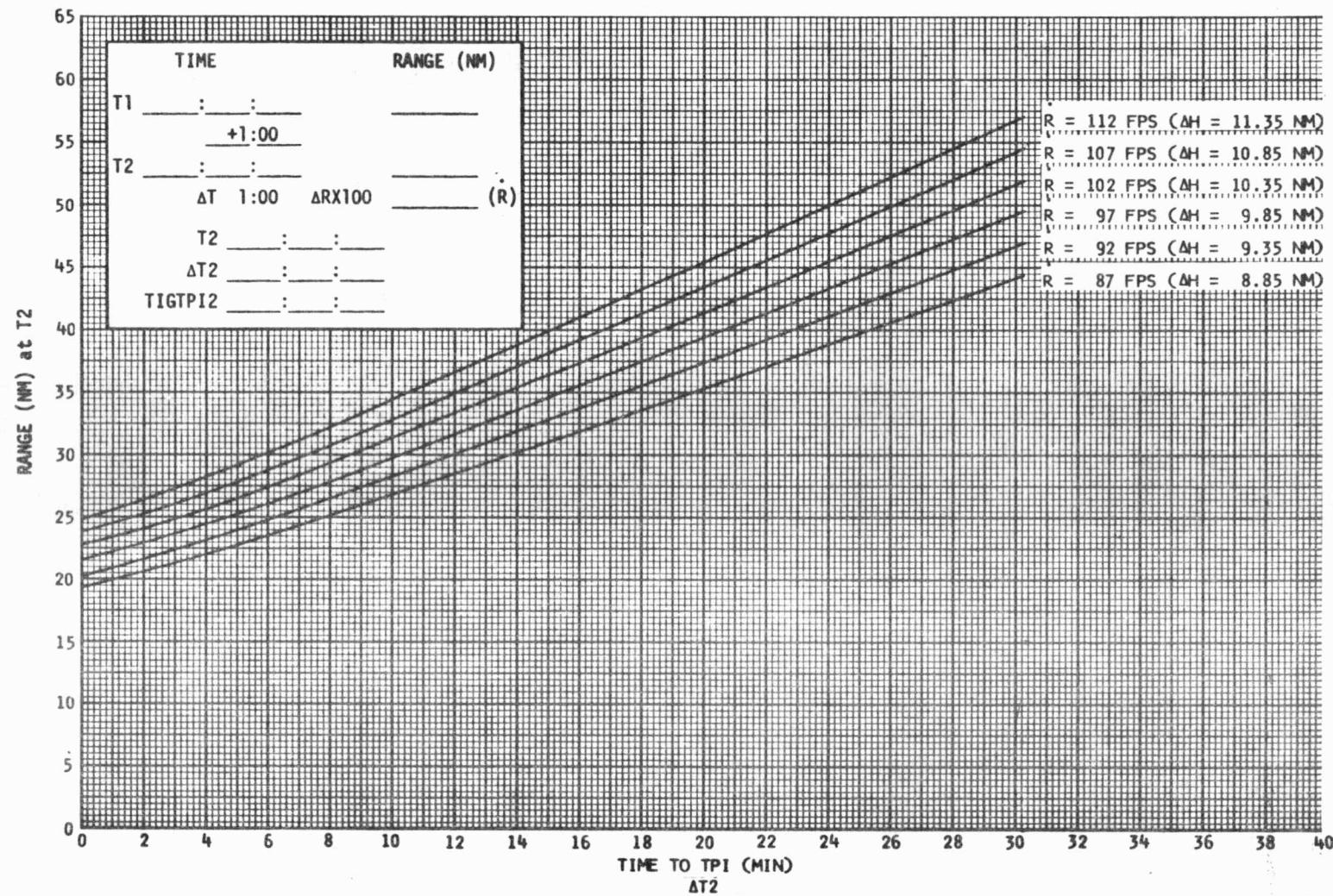
X32 _____
X28 _____
X24 _____
X16 _____
XT _____
 ΔV_X _____ (18.9)

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



-59-

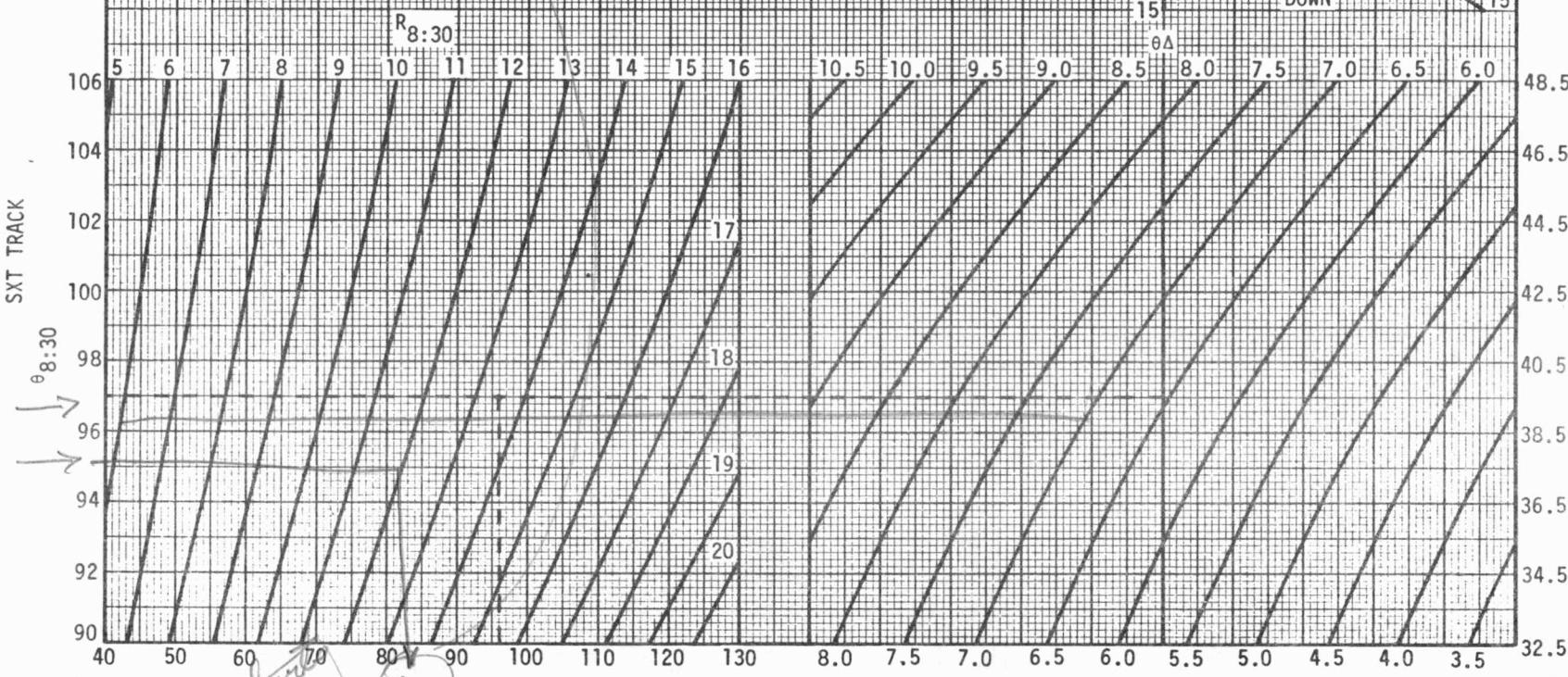
5/12/72

NASA—MSC

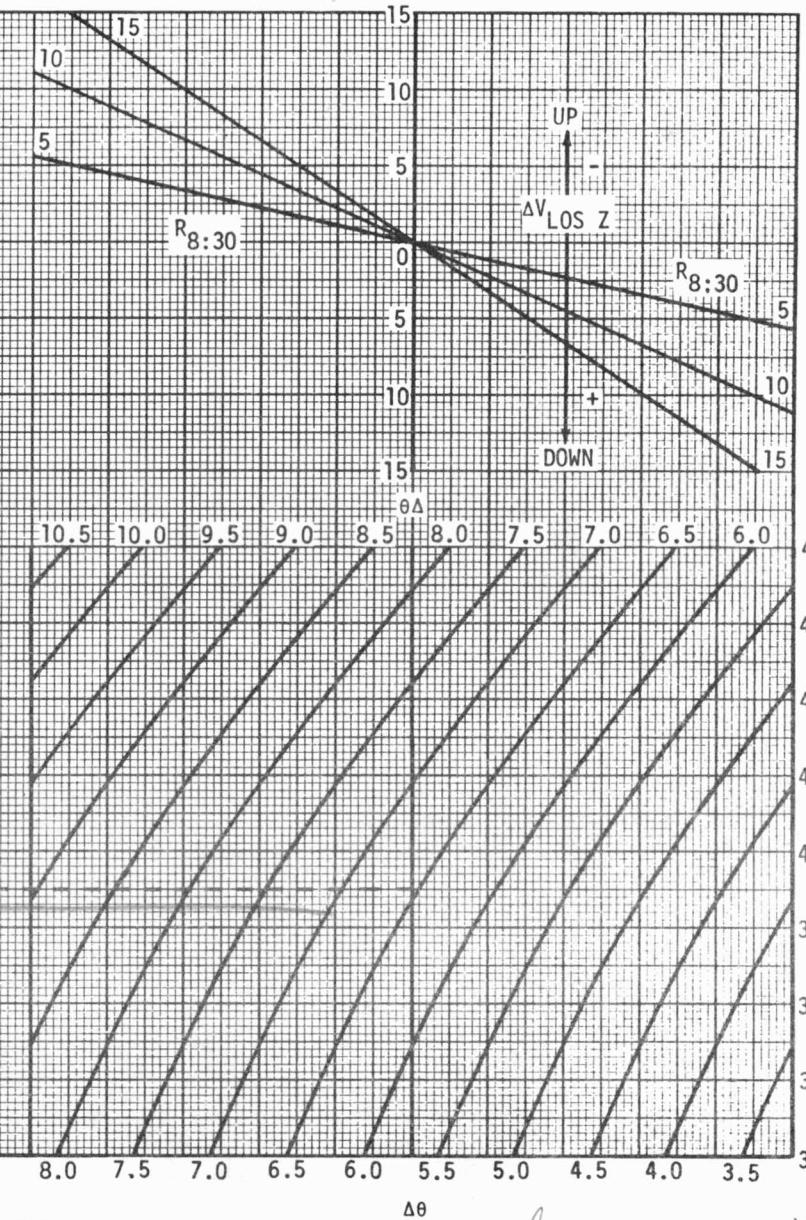
TIGTP11
TIGTP12

FIRST SKYLAB MIDCOURSE

$R_{7:30}$	9.541	θ_P	22.18	θ_P	8:30	—
$R_{8:30}$	8.48	TA	4:30	61	TA	8:30
$\Delta R \times 100$	—	θ	4:30	—	θ	8:30
BIAS	-2				θ	4:30
$R_{8:30}$	—	R_{REQ}	—	$\Delta\theta$	—	
		$R_{8:30}$				
		CMC				
		-5.8				
		$\Delta V_{LOS X}$ (FWD+)				
		—				
		$\Delta V_{LOS Z}$ (DN+)				
		—				
		+2.1				



-60-
5/12/72



have made on
error analysis

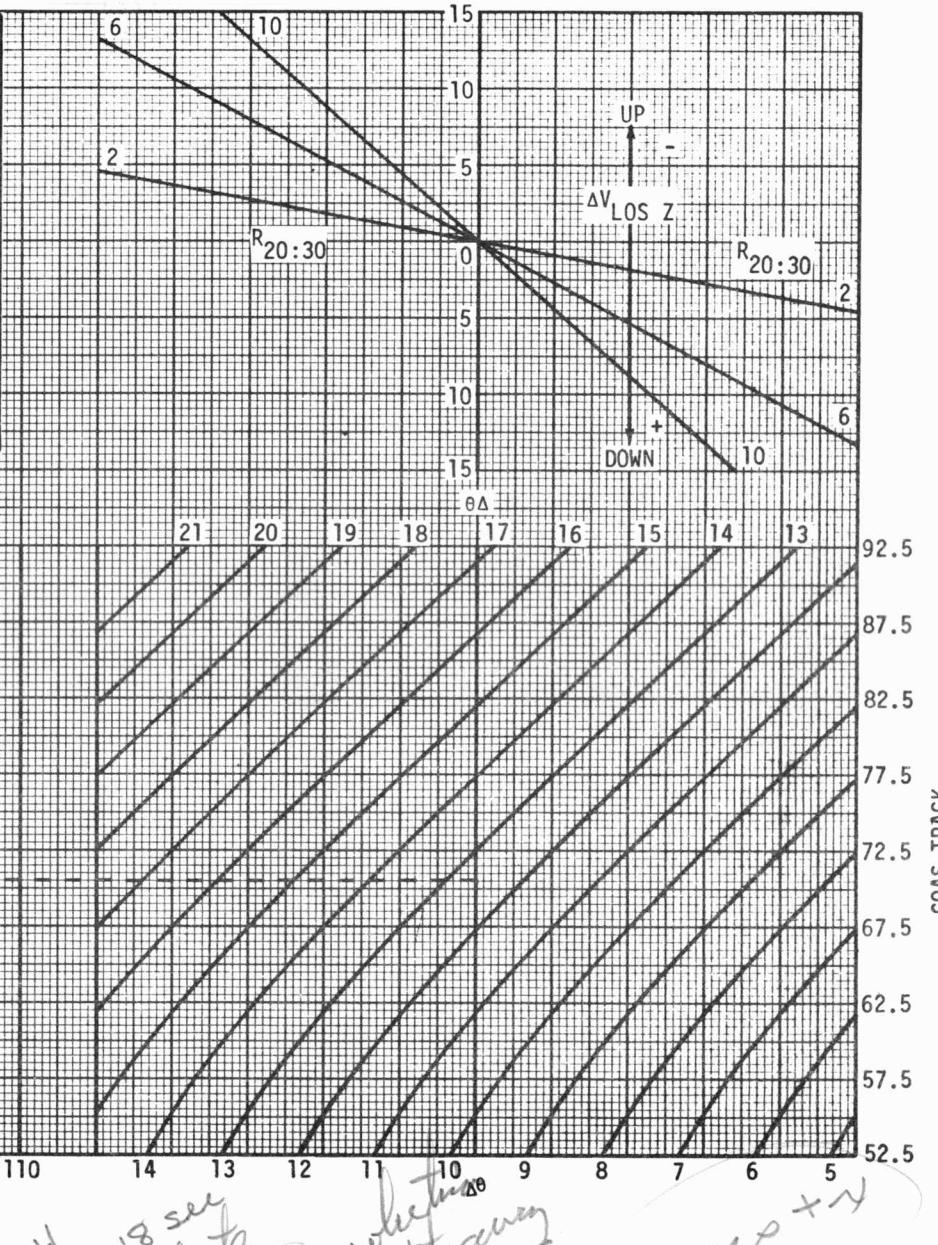
1/2 hrs
round off to
nearest 1/2°

1.0
slowly
1.5 f.p.s
MC1
MC2
No error
R
1.5

3.4
17 m/s/deg

SECOND SKYLAB MIDCOURSE

$R_{19:30}$	$\theta_P_{16:30}$	$\theta_P_{20:30}$
$R_{20:30}$	$T_A_{16:30}$	$T_A_{20:30}$
$\Delta R \times 100$	$\theta_{16:30}$	$\theta_{20:30}$
BIAS	-2	
.	.	
$R_{20:30}$	R_{REQ}	$\Delta\theta$
.	.	
$R_{20:30}$		
$\Delta V_{LOS X} (FWD+)$ _____		
$\Delta V_{LOS Z} (DN+)$ _____		

MCC 1
MCC 2-61-
5/12/75

COAS
4 ft 30°
5 ft 30°
.30°
3rd 4th 4.5 4.2 4.3 4.5 next mba 3
a PRO 6 & 1 18 sec late
10.4 right away
CMC setup + N

TPM 2

1 st COAS whd 2 +00; already had 2 VHF

2 nd 2 +40

3 rd 3 +29

4 th 4 +15

5 th 6 15

6 th

7 th

8 th 8 Hz fixed comp

THIS PAGE INTENTIONALLY BLANK

9 th COAS awaiting

10 th CARR

N 59

- 8.6

- 1.2

+ 3.9

Ed

+2

13.46

1/2 sto

- 5 six

+ 1 2

SKYLAB POLAR PLOT

