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1      Ashtech Adjustment Software, Version: 4.1.00
2  nortwo      NORTHODE.PRO      121198      29      157
3                                0      0      0 00000000000
4  SNAP: 0      3      0
5  FNET: 1  0 D 0  4  1 0 1 1  5  5  5  1
6  DTM:      WGS 1984,      6378137.000, 298.2572235630
7  MAP: NONE,      0
8  PUB: 0.001, 0.001, 50.0,  5.0,  0.5
9  RPD:  4,0.050,0.050, N, Y,  0
10 STD:  4,0.050,0.050, N, Y, W
11 ENH:  4,0.050,0.050, N, Y,  0,  1.00,  1.00
12 TER:  4,0.050,0.050, N, Y,  0, Y, Y, Y, Y, 2.60
13                                P O I N T S
14 PNT: 0 438H 420 6'34.50665"N  70046' 4.41136"W      4.914      32.999      -28.085 111
15      0.000      0.000      0.000 4663455.789      353836.482      00000
16 PNT: 0 CO-1 42015'49.13537"N  70049'27.58403"W      -19.330      8.368      -27.698 000
17      0.000      0.000      0.000 4680660.828      349536.221      00000
18 PNT: 0 FK-1 420 3'56.16777"N  71024'35.15466"W      60.548      89.501      -28.953 000
19      0.000      0.000      0.000 4659869.857      300627.978      00000
20 PNT: 0 MW-1 420 8'53.77401"N  71024'42.53802"W      46.064      74.830      -28.766 000
21      0.000      0.000      0.000 4669054.226      300717.529      00000
22 PNT: 0 BH-1 420 2'13.28880"N  71028'26.21621"W      37.849      66.965      -29.116 000
23      0.000      0.000      0.000 4656848.322      295225.563      00000
24 PNT: 0 PV-1 420 0'23.14044"N  71021'59.80724"W      90.849      119.856      -29.007 000
25      0.000      0.000      0.000 4653199.413      304016.543      00000
26 PNT: 0 HB-1 420 8'29.06337"N  710 0'27.89444"W      20.250      48.484      -28.234 000
27      0.000      0.000      0.000 4667427.480      334088.243      00000
28 PNT: 0 ST30 420 8'17.86870"N  710 8'57.35636"W      22.510      50.934      -28.424 000
29      0.000      0.000      0.000 4667366.973      322384.634      00000
30 PNT: 0 QC-1 42014'29.15349"N  710 0'42.19939"W      -19.407      8.610      -28.017 000
31      0.000      0.000      0.000 4678541.930      334021.884      00000
32 PNT: 0 MT-1 42015'19.10302"N  710 6'12.40994"W      2.508      30.610      -28.102 000
33      0.000      0.000      0.000 4680265.397      326491.776      00000
34 PNT: 0 CENT 41055' 8.78741"N  71029'16.22833"W      112.543      141.911      -29.368 001
35      0.000      0.000      0.000 4643788.221      293695.093      00000
36 PNT: 0 ML-1 42010'35.01362"N  71021'21.73396"W      20.537      49.143      -28.606 000
37      0.000      0.000      0.000 4672048.181      305412.910      00000
38 PNT: 0 438P 420 2'21.03319"N  71018'19.67638"W      32.533      61.391      -28.858 111
39      0.000      0.000      0.000 4656697.460      309178.569      00000
40 PNT: 0 FB-1 420 5'25.23864"N  71014'14.98967"W      59.541      88.187      -28.646 110
41      0.000      0.000      0.000 4662229.683      314953.298      00000
42 PNT: 0 NF-1 420 7' 3.47028"N  71020'24.55468"W      31.542      60.278      -28.736 110
43      0.000      0.000      0.000 4665487.064      306545.851      00000
44 PNT: 0 SR-1 420 5'57.40366"N  710 8' 2.41239"W      47.865      76.361      -28.496 110
45      0.000      0.000      0.000 4663002.798      323537.689      00000
46 PNT: 0 438J 420 6'26.43022"N  710 3'31.93092"W      46.505      74.876      -28.371 111
47      0.000      0.000      0.000 4663745.613      329772.413      00000
48 PNT: 0 RD-1 42011'16.87125"N  710 4'17.47827"W      41.952      70.163      -28.211 110
49      0.000      0.000      0.000 4672729.323      328943.734      00000
50 PNT: 0 WW-1 42012' 4.63904"N  710 9'16.34429"W      -12.165      16.131      -28.296 110
51      0.000      0.000      0.000 4674372.569      322125.394      00000
52 PNT: 0 0002 42017'18.30720"N  71012'40.80247"W      13.834      41.950      -28.116 111
53      0.000      0.000      0.000 4684167.700      317687.539      00000
54 PNT: 0 DH-1 42015' 1.54757"N  71012'41.06568"W      45.898      74.118      -28.220 110
55      0.000      0.000      0.000 4679949.502      317571.945      00000
56 PNT: 0 WL-1 42017'54.58325"N  71016'43.48172"W      13.008      41.165      -28.157 110
57      0.000      0.000      0.000 4685433.255      312159.562      00000
58 PNT: 0 BK-1 42019'34.81499"N  710 8'29.20549"W      23.559      51.495      -27.936 110
59      0.000      0.000      0.000 4688230.946      323555.669      00000
60 PNT: 0 DV-1 42014'44.30931"N  71016'49.09134"W      17.256      45.558      -28.302 110
61      0.000      0.000      0.000 4679567.663      311873.907      00000
62 PNT: 0 SAVN 42018'39.29887"N  710 2'58.66608"W      7.368      35.246      -27.878 110
63      0.000      0.000      0.000 4686332.153      331079.939      00000
64 PNT: 0 WP-1 420 9'55.93250"N  71015'11.35829"W      21.732      50.219      -28.487 110
65      0.000      0.000      0.000 4670613.126      313878.639      00000
66 PNT: 0 438M 42017'52.72060"N  71024'35.85875"W      27.295      55.629      -28.334 111

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67	0.000	0.000	0.000	4685673.830	301341.018	00000		
68	PNT: 0 438N 420 7'18.06057"N	71028'16.64171"W	40.595	69.507	-28.912	111		
69	0.000	0.000	0.000	4666242.563	295717.615	00000		
70	PNT: 0 438G 42011'46.19537"N	70057'40.15447"W	9.929	37.992	-28.063	111		
71	0.000	0.000	0.000	4673418.316	338078.533	00000		
72	V E C T O R S							
73	VEC: 0 SAVN QC-1 2 2 2 OAVNC-1A.167	100.0	061500	A 1340	1611			
74	0.0139	4638.537	0.0009	-3874.931	0.0016	-5728.853	0.0017	
75	0.0000	0.0000	0.0000	3	5 10 5 10			
76	0.0139	4638.537	0.0009	-3874.931	0.0016	-5728.853	0.0017	
77	0.0000	0.0000	0.0000	3	5 10 5 10			
78	VEC: 0 SAVN BK-1 2 2 2 OAVNK-1A.167	100.0	061500	A 1339	1609			
79	0.0192	-7530.514	0.0015	-1372.559	0.0024	1277.496	0.0027	
80	0.0000	0.0000	0.0000	3	5 10 5 10			
81	0.0192	-7530.514	0.0015	-1372.559	0.0024	1277.496	0.0027	
82	0.0000	0.0000	0.0000	3	5 10 5 10			
83	VEC: 0 QC-1 BK-1 2 2 2 OC-1K-1A.167	100.0	061500	A 1340	1609			
84	0.0229	-12169.050	0.0017	2502.371	0.0027	7006.347	0.0033	
85	0.0000	0.0000	0.0000	3	5 10 5 10			
86	0.0229	-12169.050	0.0017	2502.371	0.0027	7006.347	0.0033	
87	0.0000	0.0000	0.0000	3	5 10 5 10			
88	VEC: 0 438M 438P 2 2 2 038M38PA.151	100.0	053000	A 1444	1725			
89	0.0051	14351.703	0.0062	-15529.265	0.0075	-21302.947	0.0082	
90	0.0000	0.0000	0.0000	3	5 10 5 10			
91	0.0051	14351.703	0.0062	-15529.265	0.0075	-21302.947	0.0082	
92	0.0000	0.0000	0.0000	3	5 10 5 10			
93	VEC: 1 438G 438H 2 2 2 038G38HA.153	0.0	060100	A 1546	1814			
94	0.0103	17205.309	0.1921	-857.825	0.1927	-7133.113	0.2163	
95	-0.0022	-0.0024	-0.0015	3	5 10 5 10			
96	0.0103	17205.309	0.1921	-857.825	0.1927	-7133.113	0.2163	
97	-0.0022	-0.0024	-0.0015	3	5 10 5 10			
98	VEC: 0 438G CO-1 2 2 2 038GO-1A.153	100.0	060100	A 1546	1814			
99	0.0222	9016.648	0.0059	8478.286	0.0080	5530.685	0.0093	
100	0.0000	0.0000	0.0000	3	5 10 5 10			
101	0.0222	9016.648	0.0059	8478.286	0.0080	5530.685	0.0093	
102	0.0000	0.0000	0.0000	3	5 10 5 10			
103	VEC: 0 CO-1 438H 2 2 2 00-138HA.153	100.0	060100	A 1545	1814			
104	0.0099	8188.733	0.0082	-9336.113	0.0100	-12663.650	0.0101	
105	0.0000	0.0000	0.0000	3	5 10 5 10			
106	0.0099	8188.733	0.0082	-9336.113	0.0100	-12663.650	0.0101	
107	0.0000	0.0000	0.0000	3	5 10 5 10			
108	VEC: 0 438N 438P 2 2 2 038N38PA.154	100.0	060200	A 1300	1559			
109	0.0077	14962.082	0.0077	-1435.773	0.0083	-6807.405	0.0079	
110	0.0000	0.0000	0.0000	3	5 10 5 10			
111	0.0077	14962.082	0.0077	-1435.773	0.0083	-6807.405	0.0079	
112	0.0000	0.0000	0.0000	3	5 10 5 10			
113	VEC: 0 438N FK-1 2 2 2 038NK-1A.154	100.0	060200	A 1330	1559			
114	0.0139	6158.975	0.0045	-2352.590	0.0061	-4609.076	0.0062	
115	0.0000	0.0000	0.0000	3	5 10 5 10			
116	0.0139	6158.975	0.0045	-2352.590	0.0061	-4609.076	0.0062	
117	0.0000	0.0000	0.0000	3	5 10 5 10			
118	VEC: 0 FK-1 438P 2 2 2 OK-138PA.154	100.0	060200	A 1330	1600			
119	0.0158	8803.071	0.0054	916.832	0.0068	-2198.305	0.0064	
120	0.0000	0.0000	0.0000	3	5 10 5 10			
121	0.0158	8803.071	0.0054	916.832	0.0068	-2198.305	0.0064	
122	0.0000	0.0000	0.0000	3	5 10 5 10			
123	VEC: 0 SAVN 438H 2 2 2 OAVN38HA.157	100.0	060500	A 1439	1709			
124	0.0050	26899.150	0.0063	-6587.352	0.0075	-16565.824	0.0083	
125	0.0000	0.0000	0.0000	3	5 10 5 10			
126	0.0050	26899.150	0.0063	-6587.352	0.0075	-16565.824	0.0083	
127	0.0000	0.0000	0.0000	3	5 10 5 10			
128	VEC: 0 SAVN CO-1 2 2 2 OAVNO-1A.157	100.0	060500	A 1440	1710			
129	0.0050	18710.437	0.0059	2748.721	0.0068	-3902.119	0.0075	
130	0.0000	0.0000	0.0000	3	5 10 5 10			
131	0.0050	18710.437	0.0059	2748.721	0.0068	-3902.119	0.0075	
132	0.0000	0.0000	0.0000	3	5 10 5 10			

133	VEC: 0 CO-1 438H 2 2 2 00-138HA.157	100.0	060500	A	1440	1709
134	0.0051	8188.712	0.0058	-9336.076	0.0068	-12663.702 0.0074
135	0.0000	0.0000	0.0000	3	5	10 5 10
136	0.0051	8188.712	0.0058	-9336.076	0.0068	-12663.702 0.0074
137	0.0000	0.0000	0.0000	3	5	10 5 10
138	VEC: 0 438N 438P 2 2 2 038N38PA.158	100.0	060600	A	1419	1659
139	0.0078	14962.082	0.0060	-1435.780	0.0071	-6807.377 0.0077
140	0.0000	0.0000	0.0000	3	5	10 5 10
141	0.0078	14962.082	0.0060	-1435.780	0.0071	-6807.377 0.0077
142	0.0000	0.0000	0.0000	3	5	10 5 10
143	VEC: 0 438N MW-1 2 2 2 038NW-1A.158	100.0	060600	A	1424	1700
144	0.0139	4031.993	0.0050	3439.316	0.0061	2193.657 0.0067
145	0.0000	0.0000	0.0000	3	5	10 5 10
146	0.0139	4031.993	0.0050	3439.316	0.0061	2193.657 0.0067
147	0.0000	0.0000	0.0000	3	5	10 5 10
148	VEC: 0 MW-1 438P 2 2 2 0W-138PA.158	100.0	060600	A	1424	1659
149	0.0210	10930.045	0.0074	-4875.082	0.0089	-9001.049 0.0095
150	0.0000	0.0000	0.0000	3	5	10 5 10
151	0.0210	10930.045	0.0074	-4875.082	0.0089	-9001.049 0.0095
152	0.0000	0.0000	0.0000	3	5	10 5 10
153	VEC: 0 BH-1 FB-1 2 2 2 0H-1B-1A.164	100.0	061200	A	1441	1710
154	0.0074	17280.460	0.0075	10000.953	0.0100	4411.387 0.0082
155	0.0000	0.0000	0.0000	3	5	10 5 10
156	0.0074	17280.460	0.0075	10000.953	0.0100	4411.387 0.0082
157	0.0000	0.0000	0.0000	3	5	10 5 10
158	VEC: 0 BH-1 PV-1 2 2 2 0H-1V-1A.164	100.0	061200	A	1439	1532
159	0.0190	9164.022	0.0075	638.806	0.0093	-2489.264 0.0087
160	0.0000	0.0000	0.0000	3	5	10 5 10
161	0.0190	9164.022	0.0075	638.806	0.0093	-2489.264 0.0087
162	0.0000	0.0000	0.0000	3	5	10 5 10
163	VEC: 0 PV-1 FB-1 2 2 2 0V-1B-1A.164	100.0	061200	A	1441	1506
164	0.0165	8116.431	0.0058	9362.154	0.0071	6900.635 0.0061
165	0.0000	0.0000	0.0000	3	5	10 5 10
166	0.0165	8116.431	0.0058	9362.154	0.0071	6900.635 0.0061
167	0.0000	0.0000	0.0000	3	5	10 5 10
168	VEC: 0 HB-1 RD-1 2 2 2 0B-1D-1A.165	100.0	061300	A	1435	1659
169	0.0222	-6108.149	0.0061	1559.465	0.0096	3852.346 0.0095
170	0.0000	0.0000	0.0000	3	5	10 5 10
171	0.0222	-6108.149	0.0061	1559.465	0.0096	3852.346 0.0095
172	0.0000	0.0000	0.0000	3	5	10 5 10
173	VEC: 0 HB-1 ST30 2 2 2 0B-1T30A.165	100.0	061300	A	1435	1659
174	0.0191	-10991.238	0.0094	-4014.534	0.0187	-254.604 0.0146
175	-0.0001	0.0001	-0.0002	3	5	10 5 10
176	0.0191	-10991.238	0.0094	-4014.534	0.0187	-254.604 0.0146
177	-0.0001	0.0001	-0.0002	3	5	10 5 10
178	VEC: 1 SAVN QC-1 2 2 2 0AVNC-1A.167	100.0	061500	A	1340	1611
179	0.0127	4639.036	0.0041	-3876.373	0.0050	-5727.463 0.0059
180	0.0000	0.0000	0.0000	3	5	10 5 10
181	0.0127	4639.036	0.0041	-3876.373	0.0050	-5727.463 0.0059
182	0.0000	0.0000	0.0000	3	5	10 5 10
183	VEC: 1 SAVN BK-1 2 2 2 0AVNK-1A.167	100.0	061500	A	1339	1609
184	0.0159	-7530.515	0.0062	-1372.566	0.0075	1277.486 0.0079
185	0.0000	0.0000	0.0000	3	5	10 5 10
186	0.0159	-7530.515	0.0062	-1372.566	0.0075	1277.486 0.0079
187	0.0000	0.0000	0.0000	3	5	10 5 10
188	VEC: 1 QC-1 BK-1 2 2 2 0C-1K-1A.167	100.0	061500	A	1340	1609
189	0.0202	-12169.557	0.0052	2503.814	0.0066	7004.948 0.0077
190	0.0000	0.0000	0.0000	3	5	10 5 10
191	0.0202	-12169.557	0.0052	2503.814	0.0066	7004.948 0.0077
192	0.0000	0.0000	0.0000	3	5	10 5 10
193	VEC: 0 438P FK-1 2 2 2 038PK-1A.171	100.0	061900	A	1343	1629
194	0.0118	-8803.083	0.0041	-916.827	0.0063	2198.305 0.0061
195	0.0000	0.0000	0.0000	3	5	10 5 10
196	0.0118	-8803.083	0.0041	-916.827	0.0063	2198.305 0.0061
197	0.0000	0.0000	0.0000	3	5	10 5 10
198	VEC: 0 438P PV-1 2 2 2 038PV-1A.171	100.0	061900	A	1401	1629

199	0.0115	-4004.910	0.0037	-3968.708	0.0058	-2663.194	0.0058
200	0.0000	0.0000	0.0000	3	5	10	5
201	0.0115	-4004.910	0.0037	-3968.708	0.0058	-2663.194	0.0058
202	0.0000	0.0000	0.0000	3	5	10	5
203	VEC: 0	PV-1	FK-1	2	2	2	OV-1K-1A.171
204	0.0122	-4798.176	0.0038	3051.889	0.0060	4861.495	0.0058
205	0.0000	0.0000	0.0000	3	5	10	5
206	0.0122	-4798.176	0.0038	3051.889	0.0060	4861.495	0.0058
207	0.0000	0.0000	0.0000	3	5	10	5
208	VEC: 0	SAVN	QC-1	2	2	2	OAVNC-1A.178
209	0.0215	4638.537	0.0056	-3874.924	0.0076	-5728.839	0.0069
210	0.0000	0.0000	0.0000	3	5	10	5
211	0.0215	4638.537	0.0056	-3874.924	0.0076	-5728.839	0.0069
212	0.0000	0.0000	0.0000	3	5	10	5
213	VEC: 0	SAVN	MT-1	2	2	2	OAVNT-1A.178
214	0.0211	-2852.499	0.0053	-5367.490	0.0070	-4573.258	0.0083
215	0.0000	0.0000	0.0000	3	5	10	5
216	0.0211	-2852.499	0.0053	-5367.490	0.0070	-4573.258	0.0083
217	0.0000	0.0000	0.0000	3	5	10	5
218	VEC: 0	QC-1	MT-1	2	2	2	OC-1T-1A.178
219	0.0227	-7491.040	0.0041	-1492.565	0.0062	1155.574	0.0076
220	0.0000	0.0000	0.0000	3	5	10	5
221	0.0227	-7491.040	0.0041	-1492.565	0.0062	1155.574	0.0076
222	0.0000	0.0000	0.0000	3	5	10	5
223	VEC: 0	438N	BH-1	2	2	2	O38NH-1A.180
224	0.0141	1793.100	0.0064	-6043.259	0.0086	-6981.305	0.0076
225	0.0000	0.0000	0.0000	3	5	10	5
226	0.0141	1793.100	0.0064	-6043.259	0.0086	-6981.305	0.0076
227	0.0000	0.0000	0.0000	3	5	10	5
228	VEC: 0	438N	FK-1	2	2	2	O38NK-1A.180
229	0.0154	6158.968	0.0041	-2352.583	0.0069	-4609.085	0.0067
230	0.0000	0.0000	0.0000	3	5	10	5
231	0.0154	6158.968	0.0041	-2352.583	0.0069	-4609.085	0.0067
232	0.0000	0.0000	0.0000	3	5	10	5
233	VEC: 0	FK-1	BH-1	2	2	2	OK-1H-1A.180
234	0.0116	-4365.859	0.0035	-3690.674	0.0055	-2372.230	0.0053
235	0.0000	0.0000	0.0000	3	5	10	5
236	0.0116	-4365.859	0.0035	-3690.674	0.0055	-2372.230	0.0053
237	0.0000	0.0000	0.0000	3	5	10	5
238	VEC: 0	CENT	BH-1	2	2	2	OENTH-1A.220
239	0.0238	-1708.308	0.0059	8724.911	0.0065	9686.778	0.0085
240	0.0000	0.0000	0.0000	3	5	10	5
241	0.0238	-1708.308	0.0059	8724.911	0.0065	9686.778	0.0085
242	0.0000	0.0000	0.0000	3	5	10	5
243	VEC: 0	CENT	PV-1	2	2	2	OENTV-1A.220
244	0.0239	7455.703	0.0089	9363.687	0.0098	7197.516	0.0125
245	0.0000	0.0000	-0.0001	3	5	10	5
246	0.0239	7455.703	0.0089	9363.687	0.0098	7197.516	0.0125
247	0.0000	0.0000	-0.0001	3	5	10	5
248	VEC: 0	BH-1	PV-1	2	2	2	OH-1V-1A.220
249	0.0234	9163.998	0.0076	638.779	0.0087	-2489.255	0.0117
250	0.0000	0.0001	-0.0001	3	5	10	5
251	0.0234	9163.998	0.0076	638.779	0.0087	-2489.255	0.0117
252	0.0000	0.0001	-0.0001	3	5	10	5
253	VEC: 0	QC-1	RD-1	2	2	2	OC-1D-1A.221
254	0.0212	-3360.060	0.0026	-5417.255	0.0048	-4352.863	0.0052
255	0.0000	0.0000	0.0000	3	5	10	5
256	0.0212	-3360.060	0.0026	-5417.255	0.0048	-4352.863	0.0052
257	0.0000	0.0000	0.0000	3	5	10	5
258	VEC: 0	MT-1	QC-1	2	2	2	OT-1C-1A.221
259	0.0210	7491.016	0.0037	1492.550	0.0076	-1155.580	0.0065
260	0.0000	0.0000	0.0000	3	5	10	5
261	0.0210	7491.016	0.0037	1492.550	0.0076	-1155.580	0.0065
262	0.0000	0.0000	0.0000	3	5	10	5
263	VEC: 0	MT-1	RD-1	2	2	2	OT-1D-1A.221
264	0.0215	4130.961	0.0051	-3924.714	0.0105	-5508.429	0.0111

265	0.0000	0.0000	-0.0001	3	5	10	5	10		
266	0.0215	4130.961	0.0051			-3924.714	0.0105		-5508.429	0.0111
267	0.0000	0.0000	-0.0001	3	5	10	5	10		
268	VEC: 0	438G HB-1	2 2 2	038GB-1A.321	100.0	111600	A	1745	1902	
269	0.0165	-2307.139	0.0059			-5122.124	0.0074		-4501.195	0.0076
270	0.0000	0.0000	0.0000	3	5	10	5	10		
271	0.0165	-2307.139	0.0059			-5122.124	0.0074		-4501.195	0.0076
272	0.0000	0.0000	0.0000	3	5	10	5	10		
273	VEC: 0	438J HB-1	2 2 2	038JB-1A.321	100.0	111600	A	1528	1659	
274	0.0165	3166.492	0.0058			3792.463	0.0071		2788.780	0.0074
275	0.0000	0.0000	0.0000	3	5	10	5	10		
276	0.0165	3166.492	0.0058			3792.463	0.0071		2788.780	0.0074
277	0.0000	0.0000	0.0000	3	5	10	5	10		
278	VEC: 0	QC-1 438G	2 2 2	OC-138GA.321	100.0	111600	A	1745	1914	
279	0.0152	5055.224	0.0046			-1854.623	0.0068		-3703.968	0.0061
280	0.0000	0.0000	0.0000	3	5	10	5	10		
281	0.0152	5055.224	0.0046			-1854.623	0.0068		-3703.968	0.0061
282	0.0000	0.0000	0.0000	3	5	10	5	10		
283	VEC: 0	QC-1 HB-1	2 2 2	OC-1B-1A.321	100.0	111600	A	1744	1902	
284	0.0174	2748.086	0.0063			-6976.745	0.0082		-8205.160	0.0086
285	0.0000	0.0000	0.0000	3	5	10	5	10		
286	0.0174	2748.086	0.0063			-6976.745	0.0082		-8205.160	0.0086
287	0.0000	0.0000	0.0000	3	5	10	5	10		
288	VEC: 0	SR-1 438J	2 2 2	OR-138JA.321	100.0	111600	A	1528	1659	
289	0.0160	5684.766	0.0052			2582.509	0.0063		663.565	0.0067
290	0.0000	0.0000	0.0000	3	5	10	5	10		
291	0.0160	5684.766	0.0052			2582.509	0.0063		663.565	0.0067
292	0.0000	0.0000	0.0000	3	5	10	5	10		
293	VEC: 0	SR-1 HB-1	2 2 2	OR-1B-1A.321	100.0	111600	A	1523	1659	
294	0.0233	8851.257	0.0074			6374.974	0.0101		3452.346	0.0103
295	0.0000	0.0000	-0.0001	3	5	10	5	10		
296	0.0233	8851.257	0.0074			6374.974	0.0101		3452.346	0.0103
297	0.0000	0.0000	-0.0001	3	5	10	5	10		
298	VEC: 0	SR-1 ST30	2 2 2	OR-1T30A.321	100.0	111600	A	1523	1659	
299	0.0125	-2140.001	0.0045			2360.476	0.0058		3197.748	0.0062
300	0.0000	0.0000	0.0000	3	5	10	5	10		
301	0.0125	-2140.001	0.0045			2360.476	0.0058		3197.748	0.0062
302	0.0000	0.0000	0.0000	3	5	10	5	10		
303	VEC: 0	ST30 438G	2 2 2	OT3038GA.321	100.0	111600	A	1745	1914	
304	0.0085	13298.434	0.0069			9136.655	0.0095		4755.807	0.0090
305	0.0000	0.0000	0.0000	3	5	10	5	10		
306	0.0085	13298.434	0.0069			9136.655	0.0095		4755.807	0.0090
307	0.0000	0.0000	0.0000	3	5	10	5	10		
308	VEC: 0	ST30 438J	2 2 2	OT3038JA.321	100.0	111600	A	1528	1659	
309	0.0215	7824.764	0.0048			222.029	0.0063		-2534.181	0.0068
310	0.0000	0.0000	0.0000	3	5	10	5	10		
311	0.0215	7824.764	0.0048			222.029	0.0063		-2534.181	0.0068
312	0.0000	0.0000	0.0000	3	5	10	5	10		
313	VEC: 0	ST30 HB-1	2 2 2	OT30B-1A.321	100.0	111600	A	1513	1659	
314	0.0244	10991.259	0.0093			4014.502	0.0140		254.593	0.0155
315	-0.0001	0.0001	-0.0001	3	5	10	5	10		
316	0.0244	10991.259	0.0093			4014.502	0.0140		254.593	0.0155
317	-0.0001	0.0001	-0.0001	3	5	10	5	10		
318	VEC: 0	ST30 QC-1	2 2 2	OT30C-1A.321	100.0	111600	A	1744	1914	
319	0.0104	8243.192	0.0059			10991.271	0.0104		8459.780	0.0082
320	0.0000	0.0000	0.0000	3	5	10	5	10		
321	0.0104	8243.192	0.0059			10991.271	0.0104		8459.780	0.0082
322	0.0000	0.0000	0.0000	3	5	10	5	10		
323	VEC: 0	438G QC-1	2 2 2	038GC-1A.322	100.0	111700	A	1544	1659	
324	0.0179	-5055.217	0.0059			1854.609	0.0072		3703.974	0.0077
325	0.0000	0.0000	0.0000	3	5	10	5	10		
326	0.0179	-5055.217	0.0059			1854.609	0.0072		3703.974	0.0077
327	0.0000	0.0000	0.0000	3	5	10	5	10		
328	VEC: 0	438G CO-1	2 2 2	038GO-1A.322	100.0	111700	A	1544	1700	
329	0.0250	9016.610	0.0065			8478.252	0.0084		5530.676	0.0091
330	0.0000	0.0000	0.0000	3	5	10	5	10		

331	0.0250	9016.610	0.0065	8478.252	0.0084	5530.676	0.0091
332	0.0000	0.0000	0.0000	3	5	10	5
333	VEC: 0	SAVN	438G	2	2	2	0AVN38GA.322
334	0.0301	9693.756	0.0099	-5729.553	0.0157	-9432.773	0.0163
335	0.0000	0.0000	-0.0002	3	5	10	5
336	0.0301	9693.756	0.0099	-5729.553	0.0157	-9432.773	0.0163
337	0.0000	0.0000	-0.0002	3	5	10	5
338	VEC: 0	SAVN	QC-1	2	2	2	0AVNC-1A.322
339	0.0206	4638.538	0.0025	-3874.934	0.0040	-5728.820	0.0040
340	0.0000	0.0000	0.0000	3	5	10	5
341	0.0206	4638.538	0.0025	-3874.934	0.0040	-5728.820	0.0040
342	0.0000	0.0000	0.0000	3	5	10	5
343	VEC: 0	QC-1	CO-1	2	2	2	OC-10-1A.322
344	0.0105	14071.901	0.0068	6623.654	0.0082	1826.728	0.0087
345	0.0000	0.0000	0.0000	3	5	10	5
346	0.0105	14071.901	0.0068	6623.654	0.0082	1826.728	0.0087
347	0.0000	0.0000	0.0000	3	5	10	5
348	VEC: 0	438G	CO-1	2	2	2	00-138GB.322
349	0.0261	9016.627	0.0074	8478.249	0.0129	5530.764	0.0117
350	-0.0001	0.0000	-0.0001	3	5	10	5
351	0.0261	9016.627	0.0074	8478.249	0.0129	5530.764	0.0117
352	-0.0001	0.0000	-0.0001	3	5	10	5
353	VEC: 1	QC-1	CO-1	2	2	2	00-1C-1B.322
354	0.0109	14071.904	0.0079	6623.860	0.0125	1826.540	0.0102
355	0.0000	0.0000	-0.0001	3	5	10	5
356	0.0109	14071.904	0.0079	6623.860	0.0125	1826.540	0.0102
357	0.0000	0.0000	-0.0001	3	5	10	5
358	VEC: 0	438M	438N	2	2	2	038M38NA.325
359	0.0075	-610.365	0.0036	-14093.476	0.0058	-14495.553	0.0068
360	0.0000	0.0000	0.0000	3	5	10	5
361	0.0075	-610.365	0.0036	-14093.476	0.0058	-14495.553	0.0068
362	0.0000	0.0000	0.0000	3	5	10	5
363	VEC: 1	438M	ML-1	2	2	2	038ML-1A.325
364	0.0268	7114.636	0.0110	-7177.646	0.0167	-10003.525	0.0189
365	-0.0001	0.0001	-0.0002	3	5	10	5
366	0.0268	7114.636	0.0110	-7177.646	0.0167	-10003.525	0.0189
367	-0.0001	0.0001	-0.0002	3	5	10	5
368	VEC: 0	438M	WP-1	2	2	2	038MP-1A.325
369	0.0099	15426.944	0.0047	-5220.451	0.0065	-10896.450	0.0082
370	0.0000	0.0000	0.0000	3	5	10	5
371	0.0099	15426.944	0.0047	-5220.451	0.0065	-10896.450	0.0082
372	0.0000	0.0000	0.0000	3	5	10	5
373	VEC: 0	438M	DV-1	2	2	2	038MV-1A.325
374	0.0240	11382.869	0.0100	-276.489	0.0151	-4308.478	0.0179
375	-0.0001	0.0001	-0.0002	3	5	10	5
376	0.0240	11382.869	0.0100	-276.489	0.0151	-4308.478	0.0179
377	-0.0001	0.0001	-0.0002	3	5	10	5
378	VEC: 1	438N	ML-1	2	2	2	038NL-1A.325
379	0.0277	7725.221	0.0140	6915.695	0.0206	4492.225	0.0246
380	-0.0002	0.0002	-0.0004	3	5	10	5
381	0.0277	7725.221	0.0140	6915.695	0.0206	4492.225	0.0246
382	-0.0002	0.0002	-0.0004	3	5	10	5
383	VEC: 0	438N	WP-1	2	2	2	038NP-1A.325
384	0.0086	16037.303	0.0039	8873.016	0.0059	3599.103	0.0061
385	0.0000	0.0000	0.0000	3	5	10	5
386	0.0086	16037.303	0.0039	8873.016	0.0059	3599.103	0.0061
387	0.0000	0.0000	0.0000	3	5	10	5
388	VEC: 0	438N	DV-1	2	2	2	038NV-1A.325
389	0.0080	11993.266	0.0053	13816.957	0.0075	10187.070	0.0094
390	0.0000	0.0000	0.0000	3	5	10	5
391	0.0080	11993.266	0.0053	13816.957	0.0075	10187.070	0.0094
392	0.0000	0.0000	0.0000	3	5	10	5
393	VEC: 0	438N	MW-1	2	2	2	038NW-1A.325
394	0.0195	4031.991	0.0014	3439.315	0.0023	2193.660	0.0025
395	0.0000	0.0000	0.0000	3	5	10	5
396	0.0195	4031.991	0.0071	3439.315	0.0072	2193.660	0.0072

397	0.0000	0.0000	0.0000	3	5	10	5	10				
398	VEC: 0	FB-1	NF-1	2	2	2	OB-1F-1A.325	100.0	112000	A	1732	1849
399	0.0217	-8701.154	0.0026				-779.610	0.0041			2229.897	0.0036
400	0.0000	0.0000	0.0000	3	5	10	5	10				
401	0.0217	-8701.154	0.0026				-779.610	0.0041			2229.897	0.0036
402	0.0000	0.0000	0.0000	3	5	10	5	10				
403	VEC: 0	FB-1	FK-1	2	2	2	OB-1K-1A.325	100.0	112000	A	1732	1909
404	0.0253	-12914.533	0.0033				-6310.244	0.0057			-2039.136	0.0056
405	0.0000	0.0000	0.0000	3	5	10	5	10				
406	0.0253	-12914.533	0.0073				-6310.244	0.0057			-2039.136	0.0056
407	0.0000	0.0000	0.0000	3	5	10	5	10				
408	VEC: 0	FB-1	ML-1	2	2	2	OB-1L-1A.325	100.0	112000	A	1732	1902
409	0.0260	-11348.473	0.0030				2958.108	0.0048			7061.865	0.0049
410	0.0000	0.0000	0.0000	3	5	10	5	10				
411	0.0260	-11348.473	0.0073				2958.108	0.0074			7061.865	0.0074
412	0.0000	0.0000	0.0000	3	5	10	5	10				
413	VEC: 0	FB-1	MW-1	2	2	2	OB-1W-1A.325	100.0	112000	A	1732	1910
414	0.0108	-15041.559	0.0034				-518.339	0.0049			4763.598	0.0051
415	0.0000	0.0000	0.0000	3	5	10	5	10				
416	0.0108	-15041.559	0.0034				-518.339	0.0049			4763.598	0.0051
417	0.0000	0.0000	0.0000	3	5	10	5	10				
418	VEC: 0	BH-1	NF-1	2	2	2	OF-1H-1B.325	100.0	112000	B	1734	1849
419	0.0301	8579.235	0.0130				9221.254	0.0340			6641.324	0.0249
420	0.0000	0.0000	-0.0005	3	5	10	5	10				
421	0.0301	8579.235	0.0130				9221.254	0.0340			6641.324	0.0249
422	0.0000	0.0000	-0.0005	3	5	10	5	10				
423	VEC: 0	NF-1	FK-1	2	2	2	OF-1K-1A.325	100.0	112000	A	1732	1849
424	0.0221	-4213.386	0.0023				-5530.625	0.0041			-4269.056	0.0040
425	0.0000	0.0000	0.0000	3	5	10	5	10				
426	0.0221	-4213.386	0.0023				-5530.625	0.0041			-4269.056	0.0040
427	0.0000	0.0000	0.0000	3	5	10	5	10				
428	VEC: 0	NF-1	ML-1	2	2	2	OF-1L-1A.325	100.0	112000	A	1732	1849
429	0.0182	-2647.323	0.0022				3737.720	0.0038			4831.964	0.0035
430	0.0000	0.0000	0.0000	3	5	10	5	10				
431	0.0182	-2647.323	0.0022				3737.720	0.0038			4831.964	0.0035
432	0.0000	0.0000	0.0000	3	5	10	5	10				
433	VEC: 0	NF-1	MW-1	2	2	2	OF-1W-1A.325	100.0	112000	A	1732	1849
434	0.0175	-6340.346	0.0021				261.261	0.0035			2533.656	0.0031
435	0.0000	0.0000	0.0000	3	5	10	5	10				
436	0.0175	-6340.346	0.0021				261.261	0.0035			2533.656	0.0031
437	0.0000	0.0000	0.0000	3	5	10	5	10				
438	VEC: 0	FK-1	BH-1	2	2	2	OK-1H-1A.325	100.0	112000	A	1734	1909
439	0.0172	-4365.836	0.0015				-3690.640	0.0029			-2372.222	0.0029
440	0.0000	0.0000	0.0000	3	5	10	5	10				
441	0.0172	-4365.836	0.0015				-3690.640	0.0029			-2372.222	0.0029
442	0.0000	0.0000	0.0000	3	5	10	5	10				
443	VEC: 0	ML-1	FK-1	2	2	2	OL-1K-1A.325	100.0	112000	A	1711	1902
444	0.0267	-1566.077	0.0030				-9268.345	0.0051			-9101.012	0.0065
445	0.0000	0.0000	0.0000	3	5	10	5	10				
446	0.0267	-1566.077	0.0030				-9268.345	0.0051			-9101.012	0.0065
447	0.0000	0.0000	0.0000	3	5	10	5	10				
448	VEC: 0	ML-1	WP-1	2	2	2	OL-1P-1A.325	100.0	112000	A	1525	1655
449	0.0128	8312.229	0.0038				1957.237	0.0060			-892.919	0.0067
450	0.0000	0.0000	0.0000	3	5	10	5	10				
451	0.0128	8312.229	0.0038				1957.237	0.0060			-892.919	0.0067
452	0.0000	0.0000	0.0000	3	5	10	5	10				
453	VEC: 0	ML-1	DV-1	2	2	2	OL-1V-1A.325	100.0	112000	A	1430	1649
454	0.0223	4268.232	0.0037				6901.135	0.0061			5695.063	0.0072
455	0.0000	0.0000	0.0000	3	5	10	5	10				
456	0.0223	4268.232	0.0037				6901.135	0.0061			5695.063	0.0072
457	0.0000	0.0000	0.0000	3	5	10	5	10				
458	VEC: 0	MW-1	BH-1	2	2	2	OW-1H-1A.325	100.0	112000	A	1734	1909
459	0.0243	-2238.900	0.0028				-9482.512	0.0046			-9174.967	0.0062
460	0.0000	0.0000	0.0000	3	5	10	5	10				
461	0.0243	-2238.900	0.0028				-9482.512	0.0046			-9174.967	0.0062
462	0.0000	0.0000	0.0000	3	5	10	5	10				

463	VEC: 0 MW-1 FK-1 2 2 2 OW-1K-1A.325	100.0	112000	A 1732 1909
464	0.0248 2126.954 0.0027 -5791.888 0.0048	-6802.693	0.0054	
465	0.0000 0.0000 0.0000 3 5 10 5 10			
466	0.0248 2126.954 0.0027 -5791.888 0.0048	-6802.693	0.0054	
467	0.0000 0.0000 0.0000 3 5 10 5 10			
468	VEC: 0 MW-1 ML-1 2 2 2 OW-1L-1A.325	100.0	112000	A 1732 1902
469	0.0161 3693.025 0.0017 3476.456 0.0030	2298.310	0.0029	
470	0.0000 0.0000 0.0000 3 5 10 5 10			
471	0.0161 3693.025 0.0017 3476.456 0.0030	2298.310	0.0029	
472	0.0000 0.0000 0.0000 3 5 10 5 10			
473	VEC: 0 MW-1 DV-1 2 2 2 OW-1V-1A.325	100.0	112000	A 1435 1649
474	0.0098 7961.264 0.0054 10377.652 0.0087	7993.380	0.0095	
475	0.0000 0.0000 -0.0001 3 5 10 5 10			
476	0.0098 7961.264 0.0054 10377.652 0.0087	7993.380	0.0095	
477	0.0000 0.0000 -0.0001 3 5 10 5 10			
478	VEC: 0 438N 438P 2 2 2 038N38PA.326	100.0	112100	A 1415 1614
479	0.0069 14962.075 0.0036 -1435.791 0.0061	-6807.403	0.0052	
480	0.0000 0.0000 0.0000 3 5 10 5 10			
481	0.0069 14962.075 0.0036 -1435.791 0.0061	-6807.403	0.0052	
482	0.0000 0.0000 0.0000 3 5 10 5 10			
483	VEC: 0 438N BH-1 2 2 2 038NH-1A.326	100.0	112100	A 1414 1614
484	0.0255 1793.107 0.0062 -6043.231 0.0107	-6981.291	0.0082	
485	0.0000 0.0000 -0.0001 3 5 10 5 10			
486	0.0255 1793.107 0.0062 -6043.231 0.0107	-6981.291	0.0082	
487	0.0000 0.0000 -0.0001 3 5 10 5 10			
488	VEC: 0 CENT 438N 2 2 2 0CENT38NA.326	100.0	112100	A 1359 1524
489	0.0060 -3501.443 0.0026 14768.232 0.0047	16668.068	0.0054	
490	0.0000 0.0000 0.0000 3 5 10 5 10			
491	0.0060 -3501.443 0.0026 14768.232 0.0047	16668.068	0.0054	
492	0.0000 0.0000 0.0000 3 5 10 5 10			
493	VEC: 0 CENT 438P 2 2 2 0CENT38PA.326	100.0	112100	A 1415 1614
494	0.0050 11460.635 0.0035 13332.440 0.0061	9860.677	0.0046	
495	0.0000 0.0000 0.0000 3 5 10 5 10			
496	0.0050 11460.635 0.0035 13332.440 0.0061	9860.677	0.0046	
497	0.0000 0.0000 0.0000 3 5 10 5 10			
498	VEC: 0 CENT FK-1 2 2 2 0CENTK-1A.326	100.0	112100	A 1358 1614
499	0.0076 2657.539 0.0021 12415.639 0.0038	12058.993	0.0044	
500	0.0000 0.0000 0.0000 3 5 10 5 10			
501	0.0076 2657.539 0.0021 12415.639 0.0038	12058.993	0.0044	
502	0.0000 0.0000 0.0000 3 5 10 5 10			
503	VEC: 0 CENT PV-1 2 2 2 0CENTV-1A.326	100.0	112100	A 1414 1614
504	0.0273 7455.719 0.0049 9363.679 0.0083	7197.454	0.0069	
505	0.0000 0.0000 0.0000 3 5 10 5 10			
506	0.0273 7455.719 0.0049 9363.679 0.0083	7197.454	0.0069	
507	0.0000 0.0000 0.0000 3 5 10 5 10			
508	VEC: 0 FK-1 438N 2 2 2 OK-138NA.326	100.0	112100	A 1359 1614
509	0.0209 -6158.953 0.0027 2352.581 0.0050	4609.051	0.0038	
510	0.0000 0.0000 0.0000 3 5 10 5 10			
511	0.0209 -6158.953 0.0052 2352.581 0.0050	4609.051	0.0063	
512	0.0000 0.0000 0.0000 3 5 10 5 10			
513	VEC: 0 FK-1 438P 2 2 2 OK-138PA.326	100.0	112100	A 1415 1614
514	0.0256 8803.053 0.0040 916.842 0.0062	-2198.306	0.0059	
515	0.0000 0.0000 0.0000 3 5 10 5 10			
516	0.0256 8803.053 0.0040 916.842 0.0062	-2198.306	0.0059	
517	0.0000 0.0000 0.0000 3 5 10 5 10			
518	VEC: 0 FK-1 BH-1 2 2 2 OK-1H-1A.326	100.0	112100	A 1414 1614
519	0.0214 -4365.846 0.0033 -3690.648 0.0054	-2372.223	0.0046	
520	0.0000 0.0000 0.0000 3 5 10 5 10			
521	0.0214 -4365.846 0.0033 -3690.648 0.0054	-2372.223	0.0046	
522	0.0000 0.0000 0.0000 3 5 10 5 10			
523	VEC: 0 FK-1 PV-1 2 2 2 OK-1V-1A.326	100.0	112100	A 1414 1807
524	0.0206 4798.157 0.0013 -3051.876 0.0020	-4861.475	0.0022	
525	0.0000 0.0000 0.0000 3 5 10 5 10			
526	0.0206 4798.157 0.0013 -3051.876 0.0020	-4861.475	0.0022	
527	0.0000 0.0000 0.0000 3 5 10 5 10			
528	VEC: 0 PV-1 438N 2 2 2 OV-138NA.326	100.0	112100	A 1414 1614

529	0.0081	-10957.196	0.0037		5404.535	0.0049		9470.562	0.0052
530	0.0000	0.0000	0.0000	3	5	10	5	10	
531	0.0081	-10957.196	0.0073		5404.535	0.0074		9470.562	0.0075
532	0.0000	0.0000	0.0000	3	5	10	5	10	
533	VEC: 0 PV-1 438P 2 2 2 OV-138PA.326 100.0 112100 A 1415 1614								
534	0.0198	4004.896	0.0057		3968.683	0.0099		2663.161	0.0076
535	0.0000	0.0000	-0.0001	3	5	10	5	10	
536	0.0198	4004.896	0.0057		3968.683	0.0099		2663.161	0.0076
537	0.0000	0.0000	-0.0001	3	5	10	5	10	
538	VEC: 0 PV-1 BH-1 2 2 2 OV-1H-1A.326 100.0 112100 A 1414 1614								
539	0.0212	-9163.986	0.0038		-638.802	0.0076		2489.272	0.0055
540	0.0000	0.0000	0.0000	3	5	10	5	10	
541	0.0212	-9163.986	0.0038		-638.802	0.0076		2489.272	0.0055
542	0.0000	0.0000	0.0000	3	5	10	5	10	
543	VEC: 0 438M MW-1 2 2 2 038MW-1A.BWD 100.0 112000 A 1649 1432								
544	0.0069	3421.640	0.0027		-10654.146	0.0041		-12301.881	0.0047
545	0.0000	0.0000	0.0000	3	5	10	5	10	
546	0.0069	3421.640	0.0027		-10654.146	0.0041		-12301.881	0.0047
547	0.0000	0.0000	0.0000	3	5	10	5	10	
548	VEC: 0 FB-1 BH-1 2 2 2 OB-1H-1B.BWD 100.0 112000 B 1909 1732								
549	0.0082	-17280.444	0.0035		-10000.946	0.0051		-4411.388	0.0044
550	0.0000	0.0000	0.0000	3	5	10	5	10	
551	0.0082	-17280.444	0.0035		-10000.946	0.0051		-4411.388	0.0044
552	0.0000	0.0000	0.0000	3	5	10	5	10	
553	VEC: 0 CENT 438N 2 2 2 OENT38NA.BWD 0.0 112100 A 1614 1358								
554	0.0046	-3501.471	0.0136		14768.199	0.0213		16668.083	0.0063
555	0.0002	0.0000	-0.0001	3	5	10	5	10	
556	0.0046	-3501.471	0.0136		14768.199	0.0213		16668.083	0.0063
557	0.0002	0.0000	-0.0001	3	5	10	5	10	
558	VEC: 1 BH-1 438P 2 2 2 OH-138PA.BWD 100.0 112100 A 1614 1414								
559	0.0269	13168.874	0.0028		4607.531	0.0054		173.874	0.0053
560	0.0000	0.0000	0.0000	3	5	10	5	10	
561	0.0269	13168.874	0.0028		4607.531	0.0054		173.874	0.0053
562	0.0000	0.0000	0.0000	3	5	10	5	10	
563	VEC: 0 BH-1 ML-1 2 2 2 OL-1H-1B.BWD 100.0 112000 B 1902 1732								
564	0.0135	5931.924	0.0041		12959.051	0.0070		11473.302	0.0060
565	0.0000	0.0000	0.0000	3	5	10	5	10	
566	0.0135	5931.924	0.0041		12959.051	0.0070		11473.302	0.0060
567	0.0000	0.0000	0.0000	3	5	10	5	10	
568	VEC: 0 MW-1 WP-1 2 2 2 OW-1P-1A.BWD 100.0 112000 A 1655 1524								
569	0.0283	12005.196	0.0121		5433.883	0.0125		1405.376	0.0149
570	-0.0001	0.0001	-0.0001	3	5	10	5	10	
571	0.0283	12005.196	0.0121		5433.883	0.0125		1405.376	0.0149
572	-0.0001	0.0001	-0.0001	3	5	10	5	10	
573	VEC: 1 438N FB-1 2 2 2 038NB-12.349 100.0 121598 2 1617 1721								
574	0.0286	19073.590	0.0724		3957.650	0.0635		-2569.914	0.0357
575	-0.2422	0.1870	-0.4642	3	5	10	5	10	
576	0.0397	19073.595	0.0144		3957.648	0.0187		-2569.902	0.0156
577	-0.2220	0.3683	-0.5139	3	5	10	5	10	
578	VEC: 1 438P FB-1 2 2 2 038PB-13.349 100.0 121598 3 1748 1839								
579	0.0123	4111.530	0.0417		5393.543	0.0747		4237.460	0.0302
580	-0.1318	0.0980	-0.7697	3	5	10	5	10	
581	0.0190	4111.511	0.0045		5393.440	0.0072		4237.462	0.0067
582	-0.5476	-0.0395	-0.1887	3	5	10	5	10	
583	VEC: 1 NF-1 438N 2 2 2 OF-138N1.349 100.0 121598 1 1507 1614								
584	0.0189	-10372.353	0.0780		-3177.992	0.1362		339.957	0.0425
585	0.8660	-0.3350	-0.6853	3	5	10	5	10	
586	0.0353	-10372.380	0.0124		-3178.064	0.0152		339.992	0.0091
587	-0.7280	0.4955	-0.5777	3	5	10	5	10	
588	VEC: 1 NF-1 438N 2 2 2 OF-138N2.349 100.0 121598 2 1617 1721								
589	0.0190	-10372.363	0.0464		-3178.087	0.0489		339.986	0.0267
590	-0.1366	0.1354	-0.1875	3	5	10	5	10	
591	0.0215	-10372.374	0.0075		-3178.085	0.0110		340.004	0.0084
592	-0.4113	0.4250	-0.5722	3	5	10	5	10	
593	VEC: 1 NF-1 438P 2 2 2 OF-138P3.349 100.0 121598 3 1748 1839								
594	0.0107	4589.701	0.0696		-4613.888	0.0902		-6467.379	0.0395

595	-0.4047	0.2323	-0.7865	3	5	10	5	10				
596	0.0196	4589.698	0.0088			-4613.870	0.0095		-6467.359	0.0098		
597	-0.2579	-0.0819	-0.1943	3	5	10	5	10				
598	VEC: 1 NF-1 FB-1	2 2 2	OF-1B-12.349	100.0	121598	2	1617	1722				
599	0.0171	8701.181	0.0389			779.561	0.0360		-2229.909	0.0257		
600	-0.0705	0.0848	-0.3303	3	5	10	5	10				
601	0.0211	8701.210	0.0071			779.565	0.0081		-2229.893	0.0085		
602	-0.2403	0.1918	-0.3928	3	5	10	5	10				
603	VEC: 1 NF-1 FB-1	2 2 2	OF-1B-13.349	100.0	121598	3	1729	1859				
604	0.0154	8701.217	0.0349			779.563	0.0452		-2229.897	0.0178		
605	-0.3654	0.2852	-0.8008	3	5	10	5	10				
606	0.0213	8701.209	0.0052			779.571	0.0067		-2229.905	0.0060		
607	-0.5153	0.0132	-0.2602	3	5	10	5	10				
608	VEC: 0 438P FB-1	2 2 2	038PB-1A.349	100.0	121598	A	1748	1839				
609	0.0223	4111.508	0.0074			5393.428	0.0089		4237.475	0.0079		
610	0.0000	0.0000	0.0000	3	5	10	5	10				
611	0.0223	4111.508	0.0074			5393.428	0.0089		4237.475	0.0079		
612	0.0000	0.0000	0.0000	3	5	10	5	10				
613	VEC: 0 438N FB-1	2 2 2	038NB-1A.349	100.0	121598	A	1616	1720				
614	0.0112	19073.563	0.0078			3957.671	0.0092		-2569.919	0.0100		
615	0.0000	0.0000	0.0000	3	5	10	5	10				
616	0.0112	19073.563	0.0078			3957.671	0.0092		-2569.919	0.0100		
617	0.0000	0.0000	0.0000	3	5	10	5	10				
618	VEC: 0 438N NF-1	2 2 2	038NF-1A.349	100.0	121598	A	1617	1720				
619	0.0221	10372.364	0.0078			3178.060	0.0090		-340.001	0.0101		
620	0.0000	0.0000	0.0000	3	5	10	5	10				
621	0.0221	10372.364	0.0078			3178.060	0.0090		-340.001	0.0101		
622	0.0000	0.0000	0.0000	3	5	10	5	10				
623	VEC: 0 FB-1 NF-1	2 2 2	0B-1F-1A.349	100.0	121598	A	1616	1721				
624	0.0192	-8701.177	0.0074			-779.612	0.0090		2229.929	0.0106		
625	0.0000	0.0000	0.0000	3	5	10	5	10				
626	0.0192	-8701.177	0.0074			-779.612	0.0090		2229.929	0.0106		
627	0.0000	0.0000	0.0000	3	5	10	5	10				
628	VEC: 0 438J WW-1	2 2 2	038JW-1A.302	100.0	102998	A	1642	1733				
629	0.0256	-9763.015	0.0085			4106.866	0.0122		7696.702	0.0126		
630	0.0000	0.0000	-0.0001	3	5	10	5	10				
631	0.0256	-9763.015	0.0085			4106.866	0.0122		7696.702	0.0126		
632	0.0000	0.0000	-0.0001	3	5	10	5	10				
633	VEC: 0 438P FB-1	2 2 2	038PB-1A.266	100.0	092398	A	1548	1659				
634	0.0153	4111.500	0.0057			5393.440	0.0073		4237.469	0.0057		
635	0.0000	0.0000	0.0000	3	5	10	5	10				
636	0.0153	4111.500	0.0057			5393.440	0.0073		4237.469	0.0057		
637	0.0000	0.0000	0.0000	3	5	10	5	10				
638	VEC: 1 438P NF-1	2 2 2	038PF-11.266	100.0	092398	1	1406	1520				
639	0.0127	-4590.169	0.0076			4615.277	0.0082		6466.043	0.0090		
640	0.0000	0.0000	0.0000	3	5	10	5	10				
641	0.0127	-4590.169	0.0076			4615.277	0.0082		6466.043	0.0090		
642	0.0000	0.0000	0.0000	3	5	10	5	10				
643	VEC: 1 438P NF-1	2 2 2	038PF-1A.266	100.0	092398	A	1406	1520				
644	0.0130	-4590.169	0.0076			4615.277	0.0082		6466.043	0.0090		
645	0.0000	0.0000	0.0000	3	5	10	5	10				
646	0.0130	-4590.169	0.0076			4615.277	0.0082		6466.043	0.0090		
647	0.0000	0.0000	0.0000	3	5	10	5	10				
648	VEC: 0 438P SR-1	2 2 2	038PR-1A.266	100.0	092398	A	1636	1659				
649	0.0043	11998.537	0.0065			8792.581	0.0101		4966.066	0.0079		
650	0.0000	0.0000	0.0000	3	5	10	5	10				
651	0.0043	11998.537	0.0065			8792.581	0.0101		4966.066	0.0079		
652	0.0000	0.0000	0.0000	3	5	10	5	10				
653	VEC: 0 SAVN RD-1	2 2 2	OAVND-1A.303	100.0	103098	A	1738	1839				
654	0.0223	1278.497	0.0069			-9292.208	0.0082		-10081.649	0.0101		
655	0.0000	0.0000	0.0000	3	5	10	5	10				
656	0.0223	1278.497	0.0069			-9292.208	0.0082		-10081.649	0.0101		
657	0.0000	0.0000	0.0000	3	5	10	5	10				
658	VEC: 0 WL-1 DV-1	2 2 2	OL-1V-11.272	100.0	092998	1	1449	1532				
659	0.0122	1146.733	0.0047			-3784.423	0.0069		-4341.403	0.0054		
660	0.0000	0.0000	0.0000	3	5	10	5	10				

661	0.0122	1146.733	0.0047	-3784.423	0.0069	-4341.403	0.0054
662	0.0000	0.0000	0.0000	3	5	10	5
663	VEC: 0	0002 DV-1	2 2 2	0002V-11.271	100.0	092898	1 1616 1727
664	0.0155	-4359.771	0.0055	-4858.038	0.0066	-3514.011	0.0072
665	0.0000	0.0000	0.0000	3	5	10	5
666	0.0155	-4359.771	0.0055	-4858.038	0.0066	-3514.011	0.0072
667	0.0000	0.0000	0.0000	3	5	10	5
668	VEC: 0	0002 DH-1	2 2 2	0002H-13.268	100.0	092598	3 1727 1839
669	0.0098	916.084	0.0041	-2711.450	0.0062	-3100.999	0.0055
670	0.0000	0.0000	0.0000	3	5	10	5
671	0.0098	916.084	0.0041	-2711.450	0.0062	-3100.999	0.0055
672	0.0000	0.0000	0.0000	3	5	10	5
673	VEC: 0	0002 BK-1	2 2 2	0002K-11.268	100.0	092598	1 1326 1441
674	0.0107	4541.700	0.0047	4535.950	0.0054	3121.511	0.0066
675	0.0000	0.0000	0.0000	3	5	10	5
676	0.0107	4541.700	0.0047	4535.950	0.0054	3121.511	0.0066
677	0.0000	0.0000	0.0000	3	5	10	5
678	VEC: 0	0002 WL-1	2 2 2	0002L-12.268	0.0	092598	2 1529 1637
679	0.0112	-5506.500	0.0051	-1073.639	0.0072	827.414	0.0067
680	0.0000	0.0000	0.0000	3	5	10	5
681	0.0112	-5506.500	0.0051	-1073.639	0.0072	827.414	0.0067
682	0.0000	0.0000	0.0000	3	5	10	5
683	VEC: 0	FB-1 NF-1	2 2 2	OB-1F-1A.266	100.0	092398	A 1721 1834
684	0.0124	-8701.189	0.0049	-779.622	0.0058	2229.934	0.0053
685	0.0000	0.0000	0.0000	3	5	10	5
686	0.0124	-8701.189	0.0049	-779.622	0.0058	2229.934	0.0053
687	0.0000	0.0000	0.0000	3	5	10	5
688	VEC: 0	FB-1 SR-1	2 2 2	OB-1R-1A.266	100.0	092398	A 1636 1834
689	0.0091	7887.040	0.0064	3399.119	0.0072	728.609	0.0068
690	0.0000	0.0000	0.0000	3	5	10	5
691	0.0091	7887.040	0.0064	3399.119	0.0072	728.609	0.0068
692	0.0000	0.0000	0.0000	3	5	10	5
693	VEC: 0	NF-1 SR-1	2 2 2	OF-1R-1A.266	100.0	092398	A 1721 1834
694	0.0046	16588.227	0.0060	4178.768	0.0075	-1501.330	0.0069
695	0.0000	0.0000	0.0000	3	5	10	5
696	0.0046	16588.227	0.0060	4178.768	0.0075	-1501.330	0.0069
697	0.0000	0.0000	0.0000	3	5	10	5
698	VEC: 1	438J FB-1	2 2 2	038JB-1A.267	100.0	092498	A 1331 1444
699	0.0277	-13571.801	0.0075	-5981.645	0.0088	-1392.202	0.0109
700	0.0000	0.0000	0.0000	3	5	10	5
701	0.0277	-13571.801	0.0075	-5981.645	0.0088	-1392.202	0.0109
702	0.0000	0.0000	0.0000	3	5	10	5
703	VEC: 0	438J RD-1	2 2 2	038JD-1C.267	100.0	092498	C 1526 1634
704	0.0178	-2941.656	0.0057	5351.951	0.0089	6641.138	0.0071
705	0.0000	0.0000	0.0000	3	5	10	5
706	0.0178	-2941.656	0.0057	5351.951	0.0089	6641.138	0.0071
707	0.0000	0.0000	0.0000	3	5	10	5
708	VEC: 0	438J SR-1	2 2 2	038JR-1A.267	100.0	092498	A 1404 1459
709	0.0123	-5684.772	0.0055	-2582.499	0.0066	-663.571	0.0074
710	0.0000	0.0000	0.0000	3	5	10	5
711	0.0123	-5684.772	0.0055	-2582.499	0.0066	-663.571	0.0074
712	0.0000	0.0000	0.0000	3	5	10	5
713	VEC: 0	438J SR-1	2 2 2	038JR-1C.267	100.0	092498	C 1505 1634
714	0.0138	-5684.785	0.0059	-2582.501	0.0080	-663.558	0.0062
715	0.0000	0.0000	0.0000	3	5	10	5
716	0.0138	-5684.785	0.0059	-2582.501	0.0080	-663.558	0.0062
717	0.0000	0.0000	0.0000	3	5	10	5
718	VEC: 0	SR-1 FB-1	2 2 2	OR-1B-1A.267	100.0	092498	A 1404 1444
719	0.0227	-7887.029	0.0066	-3399.142	0.0078	-728.619	0.0097
720	0.0000	0.0000	0.0000	3	5	10	5
721	0.0227	-7887.029	0.0066	-3399.142	0.0078	-728.619	0.0097
722	0.0000	0.0000	0.0000	3	5	10	5
723	VEC: 0	SR-1 RD-1	2 2 2	OR-1D-1C.267	100.0	092498	C 1526 1653
724	0.0151	2743.130	0.0050	7934.452	0.0077	7304.709	0.0062
725	0.0000	0.0000	0.0000	3	5	10	5
726	0.0151	2743.130	0.0050	7934.452	0.0077	7304.709	0.0062

727	0.0000	0.0000	0.0000	3	5	10	5	10				
728	VEC: 0	RD-1	SR-1	2	2	2	OR-1D-1D.267	100.0	092498	D	1655	1658
729	0.0062	-2743.125	0.0072				-7934.478	0.0152		-7304.699	0.0121	
730	0.0000	0.0000	-0.0001	3	5	10	5	10				
731	0.0062	-2743.125	0.0072				-7934.478	0.0152		-7304.699	0.0121	
732	0.0000	0.0000	-0.0001	3	5	10	5	10				
733	VEC: 0	RD-1	SR-1	2	2	2	OR-1D-1E.267	100.0	092498	E	1701	1829
734	0.0125	-2743.136	0.0047				-7934.448	0.0086		-7304.735	0.0059	
735	0.0000	0.0000	0.0000	3	5	10	5	10				
736	0.0125	-2743.136	0.0047				-7934.448	0.0086		-7304.735	0.0059	
737	0.0000	0.0000	0.0000	3	5	10	5	10				
738	VEC: 0	SR-1	WW-1	2	2	2	OR-1W-1E.267	100.0	092498	E	1706	1824
739	0.0119	-4078.237	0.0043				6689.361	0.0058		8360.302	0.0053	
740	0.0000	0.0000	0.0000	3	5	10	5	10				
741	0.0119	-4078.237	0.0043				6689.361	0.0058		8360.302	0.0053	
742	0.0000	0.0000	0.0000	3	5	10	5	10				
743	VEC: 0	DH-1	DV-1	2	2	2	OH-1V-1A.272	100.0	092998	A	1647	1758
744	0.0120	-5275.836	0.0051				-2146.598	0.0065		-412.975	0.0063	
745	0.0000	0.0000	0.0000	3	5	10	5	10				
746	0.0120	-5275.836	0.0051				-2146.598	0.0065		-412.975	0.0063	
747	0.0000	0.0000	0.0000	3	5	10	5	10				
748	VEC: 0	SAVN	DH-1	2	2	2	OAVNH-13.274	100.0	100198	3	1751	1859
749	0.0221	-11156.132	0.0062				-8619.957	0.0087		-4945.035	0.0073	
750	0.0000	0.0000	0.0000	3	5	10	5	10				
751	0.0221	-11156.132	0.0062				-8619.957	0.0087		-4945.035	0.0073	
752	0.0000	0.0000	0.0000	3	5	10	5	10				
753	VEC: 0	DH-1	BK-1	2	2	2	OH-1K-11.274	100.0	100198	1	1400	1516
754	0.0145	3625.603	0.0053				7247.396	0.0074		6222.511	0.0063	
755	0.0000	0.0000	0.0000	3	5	10	5	10				
756	0.0145	3625.603	0.0053				7247.396	0.0074		6222.511	0.0063	
757	0.0000	0.0000	0.0000	3	5	10	5	10				
758	VEC: 0	DH-1	WW-1	2	2	2	OH-1W-12.274	100.0	100198	2	1557	1709
759	0.0141	5613.222	0.0053				-1917.379	0.0075		-4081.056	0.0075	
760	0.0000	0.0000	0.0000	3	5	10	5	10				
761	0.0141	5613.222	0.0053				-1917.379	0.0075		-4081.056	0.0075	
762	0.0000	0.0000	0.0000	3	5	10	5	10				
763	VEC: 0	SAVN	BK-1	2	2	2	OAVNK-1A.275	100.0	100298	A	1552	1704
764	0.0111	-7530.504	0.0041				-1372.559	0.0060		1277.504	0.0060	
765	0.0000	0.0000	0.0000	3	5	10	5	10				
766	0.0111	-7530.504	0.0041				-1372.559	0.0060		1277.504	0.0060	
767	0.0000	0.0000	0.0000	3	5	10	5	10				
768	VEC: 0	SAVN	WW-1	2	2	2	OAVNW-1A.275	100.0	100298	A	1354	1509
769	0.0200	-5542.884	0.0056				-10537.297	0.0069		-9026.081	0.0062	
770	0.0000	0.0000	0.0000	3	5	10	5	10				
771	0.0200	-5542.884	0.0056				-10537.297	0.0069		-9026.081	0.0062	
772	0.0000	0.0000	0.0000	3	5	10	5	10				
773	VEC: 0	WP-1	DH-1	2	2	2	OP-1H-1A.278	100.0	100598	A	1554	1704
774	0.0135	1231.797	0.0046				7090.547	0.0065		7000.935	0.0067	
775	0.0000	0.0000	0.0000	3	5	10	5	10				
776	0.0135	1231.797	0.0046				7090.547	0.0065		7000.935	0.0067	
777	0.0000	0.0000	0.0000	3	5	10	5	10				
778	VEC: 0	DV-1	WP-1	2	2	2	OV-1P-1A.278	100.0	100598	A	1723	1834
779	0.0139	4044.057	0.0059				-4943.921	0.0087		-6587.956	0.0068	
780	0.0000	0.0000	0.0000	3	5	10	5	10				
781	0.0139	4044.057	0.0059				-4943.921	0.0087		-6587.956	0.0068	
782	0.0000	0.0000	0.0000	3	5	10	5	10				
783	VEC: 0	438M	WL-1	2	2	2	O38ML-1A.280	100.0	100798	A	1338	1449
784	0.0270	10236.152	0.0059				3507.915	0.0092		32.902	0.0077	
785	0.0000	0.0000	0.0000	3	5	10	5	10				
786	0.0270	10236.152	0.0059				3507.915	0.0092		32.902	0.0077	
787	0.0000	0.0000	0.0000	3	5	10	5	10				
788	VEC: 0	438M	DV-1	2	2	2	O38MV-1A.280	100.0	100798	A	1340	1449
789	0.0292	11382.875	0.0093				-276.510	0.0110		-4308.483	0.0106	
790	0.0000	0.0000	0.0000	3	5	10	5	10				
791	0.0292	11382.875	0.0093				-276.510	0.0110		-4308.483	0.0106	
792	0.0000	0.0000	0.0000	3	5	10	5	10				

793	VEC: 1 438N NF-1 2 2 2 038NF-1A.280	100.0	100798	A 1728 1839
794	0.0178 10372.335 0.0069	3178.052	0.0096	-339.983 0.0078
795	0.0000 0.0000 0.0000 3 5 10 5 10			
796	0.0178 10372.335 0.0069	3178.052	0.0096	-339.983 0.0078
797	0.0000 0.0000 0.0000 3 5 10 5 10			
798	VEC: 0 WL-1 DV-1 2 2 2 OL-1V-1A.280	100.0	100798	A 1340 1450
799	0.0151 1146.716 0.0052	-3784.392	0.0070	-4341.392 0.0063
800	0.0000 0.0000 0.0000 3 5 10 5 10			
801	0.0151 1146.716 0.0052	-3784.392	0.0070	-4341.392 0.0063
802	0.0000 0.0000 0.0000 3 5 10 5 10			
803	VEC: 0 WP-1 NF-1 2 2 2 OP-1F-1A.280	100.0	100798	A 1727 1839
804	0.0173 -5664.895 0.0067	-5694.940	0.0093	-3939.047 0.0077
805	0.0000 0.0000 0.0000 3 5 10 5 10			
806	0.0173 -5664.895 0.0067	-5694.940	0.0093	-3939.047 0.0077
807	0.0000 0.0000 0.0000 3 5 10 5 10			
808	VEC: 0 DV-1 NF-1 2 2 2 OV-1F-1A.280	100.0	100798	A 1537 1648
809	0.0128 -1620.882 0.0092	-10638.873	0.0110	-10527.002 0.0103
810	0.0000 0.0000 0.0000 3 5 10 5 10			
811	0.0128 -1620.882 0.0092	-10638.873	0.0110	-10527.002 0.0103
812	0.0000 0.0000 0.0000 3 5 10 5 10			
813	VEC: 0 DV-1 WP-1 2 2 2 OV-1P-1A.280	100.0	100798	A 1537 1648
814	0.0211 4044.020 0.0059	-4943.921	0.0078	-6587.943 0.0082
815	0.0000 0.0000 0.0000 3 5 10 5 10			
816	0.0211 4044.020 0.0059	-4943.921	0.0078	-6587.943 0.0082
817	0.0000 0.0000 0.0000 3 5 10 5 10			
818	VEC: 0 438G RD-1 2 2 2 038GD-1A.281	100.0	100898	A 1610 1725
819	0.0141 -8415.302 0.0062	-3562.616	0.0108	-648.862 0.0071
820	0.0000 0.0000 0.0000 3 5 10 5 10			
821	0.0141 -8415.302 0.0062	-3562.616	0.0108	-648.862 0.0071
822	0.0000 0.0000 0.0000 3 5 10 5 10			
823	VEC: 0 438G WW-1 2 2 2 038GW-1A.281	100.0	100898	A 1428 1541
824	0.0080 -15236.691 0.0079	-4807.783	0.0106	406.733 0.0090
825	0.0000 0.0000 0.0000 3 5 10 5 10			
826	0.0080 -15236.691 0.0079	-4807.783	0.0106	406.733 0.0090
827	0.0000 0.0000 0.0000 3 5 10 5 10			
828	VEC: 0 FB-1 WP-1 2 2 2 OB-1P-1A.282	100.0	100998	A 1541 1654
829	0.0158 -3036.257 0.0049	4915.305	0.0065	6168.999 0.0069
830	0.0000 0.0000 0.0000 3 5 10 5 10			
831	0.0158 -3036.257 0.0049	4915.305	0.0065	6168.999 0.0069
832	0.0000 0.0000 0.0000 3 5 10 5 10			
833	VEC: 1 SR-1 WP-1 2 2 2 OR-1P-1A.282	100.0	100998	A 1402 1514
834	0.0192 -10922.803 0.0102	1514.708	0.0158	5441.748 0.0105
835	-0.0001 0.0000 -0.0001 3 5 10 5 10			
836	0.0192 -10922.803 0.0102	1514.708	0.0158	5441.748 0.0105
837	-0.0001 0.0000 -0.0001 3 5 10 5 10			
838	VEC: 1 438J WW-1 2 2 2 038JW-1A.302	0.0	102998	A 1642 1756
839	0.0257 -9763.009 0.0087	4106.862	0.0104	7696.710 0.0118
840	0.0000 0.0000 0.0000 3 5 10 5 10			
841	0.0257 -9763.009 0.0087	4106.862	0.0104	7696.710 0.0118
842	0.0000 0.0000 0.0000 3 5 10 5 10			
843	VEC: 0 RD-1 WW-1 2 2 2 OD-1W-1A.302	100.0	102998	A 1833 1950
844	0.0131 -6821.356 0.0057	-1245.112	0.0073	1055.587 0.0064
845	0.0000 0.0000 0.0000 3 5 10 5 10			
846	0.0131 -6821.356 0.0057	-1245.112	0.0073	1055.587 0.0064
847	0.0000 0.0000 0.0000 3 5 10 5 10			
848	VEC: 0 SR-1 WW-1 2 2 2 OR-1W-1A.302	100.0	102998	A 1446 1601
849	0.0220 -4078.247 0.0066	6689.371	0.0089	8360.288 0.0084
850	0.0000 0.0000 0.0000 3 5 10 5 10			
851	0.0220 -4078.247 0.0066	6689.371	0.0089	8360.288 0.0084
852	0.0000 0.0000 0.0000 3 5 10 5 10			
853	VEC: 0 438G RD-1 2 2 2 038GD-1A.303	100.0	103098	A 1522 1639
854	0.0195 -8415.300 0.0059	-3562.648	0.0086	-648.861 0.0081
855	0.0000 0.0000 0.0000 3 5 10 5 10			
856	0.0195 -8415.300 0.0059	-3562.648	0.0086	-648.861 0.0081
857	0.0000 0.0000 0.0000 3 5 10 5 10			