

Table 9: Residuals per site of the ITRF97 combination

10002 GRASSE

DOMES	St.		RX	RY	RZ	RE	RN	RU	NE	NN	NU	EPOCH
NUM.	S	ID. *	m	m	m	m	m	m				Y

Positions												
M003	1	7605 TIE10002	-.0004	-.0017	.0008	-.0016	.0010	.0002	.0	.0	.0	93: 1
M003	1	7605 R GSFC	-.0063	.0025	-.0081	.0033	-.0017	-.0099	.5	-.1	-.5	89:257
M003	1	7605 R USNO	-.0322	.0015	-.0280	.0054	.0017	-.0423	.3	.0	-.4	97: 1
M003	1	7605 R NOAA	-.0074	.0017	-.0104	.0026	-.0026	-.0124	.3	-.1	-.5	93: 1
M006	1	GRAS TIE10002	-.0041	.0004	.0044	.0009	.0059	.0001	.0	.0	.0	93: 1
M006	1	GRAS P CODE	-.0012	-.0011	-.0001	-.0009	.0008	-.0010	-.5	.3	-.3	97:138
M006	1	GRAS P NRCAN	-.0003	.0001	.0000	.0001	.0002	-.0002	.1	.1	-.1	97:298
M006	1	GRAS P EUR	.0013	.0002	.0011	.0001	-.0001	.0018	.1	.0	.6	97:173
S001	1	7835 TIE10002	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S001	1	7835 L CGS	-.0111	.0013	-.0055	.0026	.0036	-.0117	1.0	.8	-2.5	91:179
S001	1	7835 L DUT	.0049	-.0015	.0378	-.0021	.0241	.0295	-.2	1.5	1.9	92:265
S001	1	7835 L GSFC	-.0020	.0031	-.0181	.0033	-.0120	-.0136	.7	-1.6	-1.8	89:250
S001	1	7835 L1 GZ	.0019	-.0026	.0036	-.0028	.0015	.0036	-.5	.2	.4	95:304
S001	1	7835 C GRIM	-.0047	.0023	-.0111	.0028	-.0050	-.0109	1.1	-1.0	-2.3	92: 29
S001	1	7835 L CSR	-.0066	.0036	-.0063	.0044	-.0003	-.0088	1.2	-.1	-2.5	92: 76
S002	1	7845 TIE10002	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1

			RVX	RVY	RVZ	RVE	RVN	RVU	NVE	NVN	NVU	
			m/y	m/y	m/y	m/y	m/y	m/y				

Velocities												
M003	1	7605 R GSFC	.0007	-.0002	-.0007	-.0002	-.0009	.0000	.0	-.1	.0	
M003	1	7605 R USNO	-.0005	-.0004	-.0004	-.0003	.0001	-.0006	.0	.0	.0	
M003	1	7605 R NOAA	.0001	-.0001	-.0006	-.0001	-.0005	-.0003	.0	.0	.0	
M006	1	GRAS P CODE	.0004	-.0003	.0010	-.0004	.0005	.0009	-.4	.1	.3	
M006	1	GRAS P NRCAN	.0014	.0015	.0022	.0013	.0006	.0026	1.0	.1	.6	
M006	1	GRAS P EUR	.0018	.0004	.0027	.0002	.0007	.0032	.2	.1	.7	
S001	1	7835 L CGS	-.0015	.0000	.0001	.0002	.0011	-.0010	.2	.7	-.6	
S001	1	7835 L DUT	.0036	.0010	.0009	.0006	-.0019	.0033	.2	-.7	1.3	
S001	1	7835 L GSFC	-.0028	-.0018	.0008	-.0015	.0027	-.0016	-.9	.9	-.6	
S001	1	7835 L1 GZ	-.0019	-.0006	-.0054	-.0004	-.0026	-.0051	-.1	-.9	-1.9	
S001	1	7835 C GRIM	.0011	-.0026	.0004	-.0027	-.0003	.0008	-1.5	-.2	.6	
S001	1	7835 L CSR	-.0003	.0004	.0002	.0005	.0003	-.0001	.3	.2	-.1	

10003 TOULOUSE

Positions												
M003	1	7608 TIE10003	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M003	1	7608 R GSFC	.0013	.0053	.0209	.0053	.0141	.0154	.6	.3	.4	92:132
M003	1	7608 R USNO	.1085	-.0701	.0148	-.0729	-.0628	.0875	-4.7	-.6	.8	97: 1
M003	1	7608 R NOAA	-.0021	.0063	.0149	.0064	.0121	.0089	.6	.3	.2	93: 1
M004	1	TOUL TIE10003	.0023	-.0032	-.0050	-.0033	-.0051	-.0018	.0	.0	.0	93: 1
M004	1	TOUL P CODE	.0067	-.0018	.0051	-.0020	-.0009	.0083	-.6	-.1	.5	98:146
M004	1	TOUL P NRCAN	.0065	-.0007	.0059	-.0008	-.0001	.0088	-.4	.0	1.2	98:111
M004	1	TOUL P EUR	.0027	.0003	.0037	.0002	.0008	.0045	.2	.2	1.1	97:350
S001	1	TLSA TIE10003	-.0025	.0016	.0054	.0016	.0056	.0019	.0	.0	.0	93: 1
S001	1	TLSA C GRIM	.0086	-.0001	-.0380	-.0003	-.0335	-.0200	.0	-2.1	-1.3	95: 56
S001	1	TLSA D GRGS	.0037	-.0391	-.0374	-.0392	-.0289	-.0238	-1.5	-1.8	-1.4	95: 64
S001	1	TLSA D IGN	-.0079	-.0338	-.0158	-.0336	-.0054	-.0172	-.6	-.2	-.6	96:229
S001	1	TLSA D CSR	.0036	-.0191	-.0143	-.0192	-.0125	-.0076	-.6	-.5	-.3	94:127
S003	1	TLHA TIE10003	-.0029	.0018	.0058	.0019	.0061	.0020	.0	.0	.0	93: 1
S003	1	TLHA D GRGS	-.0023	-.0129	-.0498	-.0128	-.0343	-.0362	-.1	-.6	-.6	97:242
S003	1	TLHA D IGN	.0129	-.0406	-.0365	-.0409	-.0346	-.0165	-.4	-.5	-.2	97:266

Velocities

M003 1 7608 R GSFC	.0015	-.0009	-.0016	-.0009	-.0022	.0000	-.1	-.3	.0
M003 1 7608 R USNO	.0121	-.0177	-.0131	-.0180	-.0175	-.0006	.0	.0	.0
M003 1 7608 R NOAA	.0010	-.0008	-.0015	-.0008	-.0017	-.0003	.0	.0	.0
M004 1 TOUL P CODE	.0017	-.0019	-.0025	-.0019	-.0030	-.0005	-.2	-.3	-.1
M004 1 TOUL P NRCAN	-.0025	.0007	-.0027	.0007	-.0002	-.0036	.1	.0	-.2
M004 1 TOUL P EUR	.0025	.0004	.0005	.0003	-.0013	.0022	.1	-.1	.1
S001 1 TLSA C GRIM	.0085	-.0158	-.0082	-.0160	-.0115	.0002	-1.8	-1.5	.0
S001 1 TLSA D GRGS	.0021	-.0032	-.0014	-.0033	-.0024	.0005	-.2	-.2	.0
S001 1 TLSA D IGN	-.0005	.0036	-.0061	.0036	-.0041	-.0044	.1	-.3	-.3
S001 1 TLSA D CSR	.0096	-.0118	-.0051	-.0120	-.0101	.0032	-.3	-.4	.1
S003 1 TLHA D GRGS	.0021	-.0032	-.0014	-.0033	-.0024	.0005	-.2	-.2	.0
S003 1 TLHA D IGN	-.0005	.0036	-.0060	.0036	-.0041	-.0044	.1	-.3	-.3

10004 BREST

Positions

M002 1 7604 R GSFC	-.0173	-.0010	-.0135	-.0023	.0039	-.0215	-.3	.1	-.6 89:245
M002 1 7604 R USNO	-.0562	-.0011	-.0502	-.0056	.0085	-.0747	-.3	.1	-.8 97: 1
M002 1 7604 R NOAA	.0142	.0050	.0052	.0061	-.0068	.0130	.7	-.2	.4 93: 1

Velocities

M002 1 7604 R GSFC	.0026	.0018	-.0022	.0020	-.0032	.0000	.2	-.5	.0
M002 1 7604 R USNO	.0006	.0013	-.0013	.0014	-.0012	-.0007	.0	.0	.0
M002 1 7604 R NOAA	.0021	.0019	-.0019	.0020	-.0027	-.0001	.0	.0	.0

10090 S.J. DES VIGNES

Positions

M001 1 SJDV P NRCAN	.0021	.0002	.0026	.0000	.0003	.0034	.0	.0	.1 98:263
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Velocities

M001 1 SJDV P NRCAN	-.0248	-.0028	-.0168	-.0008	.0062	-.0295	.0	.0	-.1
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10202 REYKJAVIK

Positions

M001 1 REYK TIE10202	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M001 1 REYK P CODE	.0007	-.0009	.0021	-.0006	.0000	.0023	-.3	.0	.6 97:131
M001 1 REYK P GFZ	-.0069	-.0063	-.0010	-.0084	.0033	-.0027	-1.0	.3	-.2 97:310
M001 1 REYK P NRCAN	-.0004	-.0009	.0005	-.0010	.0003	.0004	-1.0	.2	.2 97:227
M001 1 REYK P EUR	.0010	.0008	.0017	.0011	.0002	.0018	.7	.1	.4 97:190
S001 1 REYA TIE10202	-.0009	-.0050	.0017	-.0050	-.0002	.0020	.0	.0	.0 93: 1
S001 1 REYA C GRIM	.0105	.0176	-.0282	.0203	-.0151	-.0240	1.3	-1.0	-1.6 95:186
S001 1 REYA D GRGS	.0003	.0445	.0043	.0414	.0167	-.0033	2.4	1.0	-.2 95:214
S001 1 REYA D IGN	.0263	.0471	.0051	.0535	-.0038	.0076	1.7	-.1	.3 96:173
S001 1 REYA D CSR	.0216	-.0090	-.0293	-.0002	-.0338	-.0162	.0	-.9	-.5 93:353

Velocities

M001 1 REYK P CODE	.0008	-.0005	-.0002	-.0001	-.0009	.0003	-.2	-.9	.2
M001 1 REYK P GFZ	.0016	.0016	-.0015	.0021	-.0015	-.0010	1.7	-1.2	-.8
M001 1 REYK P NRCAN	-.0007	.0000	.0017	-.0003	.0013	.0013	-.2	.6	.4
M001 1 REYK P EUR	.0002	.0003	-.0001	.0004	-.0001	-.0001	.3	.0	.0
S001 1 REYA C GRIM	.0048	-.0008	-.0002	.0010	-.0044	.0018	.1	-.5	.2
S001 1 REYA D GRGS	.0019	-.0018	.0036	-.0009	-.0006	.0043	-.1	-.1	.4
S001 1 REYA D IGN	-.0134	.0075	.0001	.0020	.0137	-.0065	.1	.9	-.4
S001 1 REYA D CSR	.0067	-.0069	.0130	-.0039	-.0022	.0155	-.1	-.1	.5

10204 HOEFN

Positions

M001 1 7635 R GSFC	-.0022	.0027	-.0059	.0020	.0000	-.0066	.2	.0	-.1 92:207
M001 1 7635 R USNO	-.0889	.0208	-.1829	-.0032	.0028	-.2043	-.1	.0	-1.3 97: 1
M001 1 7635 R NOAA	-.0055	.0009	-.0179	-.0006	-.0027	-.0185	.0	-.1	-.3 93: 1

M002 1 HOFN P CODE	.0007	-.0009	.0005	-.0007	-.0006	.0008	-.3	-.2	.2	98: 67
M002 1 HOFN P NRCAN	-.0017	-.0001	-.0028	-.0005	.0003	-.0032	-.3	.1	-.7	98: 75
M002 1 HOFN P EUR	.0039	-.0004	.0082	.0007	.0001	.0091	.4	.0	1.5	98: 45

Velocities

M001 1 7635 R GSFC	.0012	-.0001	-.0006	.0002	-.0013	.0000	.0	-.2	.0
M001 1 7635 R USNO	-.0012	-.0010	-.0006	-.0013	.0006	-.0009	.0	.0	.0
M001 1 7635 R NOAA	.0008	-.0001	-.0004	.0001	-.0009	.0000	.0	.0	.0
M002 1 HOFN P CODE	.0152	-.0025	.0290	.0016	-.0012	.0327	.2	-.1	1.2
M002 1 HOFN P NRCAN	.0046	-.0006	.0128	.0006	.0014	.0136	.1	.1	.6
M002 1 HOFN P EUR	.0101	.0031	.0129	.0056	-.0024	.0155	.7	-.1	.5

10302 TROMSO

Positions

M002 1 7602 TIE10302	-.0005	.0089	-.0009	.0086	-.0026	-.0001	.0	.0	.0	93: 1
M002 1 7602 R GSFC	-.0017	-.0063	-.0048	-.0054	.0018	-.0058	-.9	.1	-.2	91: 69
M002 1 7602 R USNO	.0357	-.0002	.0857	-.0118	-.0018	.0920	-.8	.0	1.2	91:190
M002 1 7602 R NOAA	.0079	-.0069	.0157	-.0091	.0005	.0165	-1.2	.0	.6	91: 95
M002 1 7602 L CGS	-.0019	.0125	.0145	.0124	.0029	.0144	.6	.1	.3	93: 1
M002 1 7602 L DUT	-.0035	.0088	.0067	.0095	.0028	.0062	.2	.1	.1	93: 1
M002 1 7602 C GRIM	-.0116	.0286	-.0200	.0308	-.0054	-.0193	.8	-.1	-.2	90:256
M002 1 7602 L CSR	.0040	.0319	-.0083	.0289	-.0161	-.0029	1.4	-.5	-.1	90:244
M003 1 TROM TIE10302	.0005	-.0089	.0009	-.0086	.0026	.0001	.0	.0	.0	93: 1
M003 1 TROM P CODE	-.0011	.0007	-.0061	.0010	-.0014	-.0060	.5	-.4	-1.0	95:136
M003 1 TROM P EMR	-.0001	.0016	.0070	.0016	.0020	.0068	.4	.5	1.1	96:298
M003 1 TROM P GFZ	-.0121	-.0073	.0017	-.0029	.0136	-.0032	-.7	2.6	-.4	95: 66
M003 1 TROM P NRCAN	-.0008	-.0017	-.0008	-.0014	.0010	-.0013	-.9	.4	-.3	96:358
M003 1 TROM P EUR	-.0021	.0002	-.0040	.0009	.0004	-.0044	.3	.1	-.3	96:321
M003 1 TROM P JPL	.0021	.0047	.0036	.0037	-.0020	.0046	1.8	-.7	1.0	94:287
M006 1 TRO1 P CODE	.0017	-.0011	.0017	-.0016	-.0006	.0020	-.4	-.1	.1	98:138
M006 1 TRO1 P NRCAN	-.0006	.0007	-.0016	.0009	-.0003	-.0016	.2	.0	-.1	98:164
M006 1 TRO1 P EUR	.0012	-.0007	.0050	-.0011	.0009	.0050	-.2	.1	.2	98:157
S010 1 TROA TIE10302	-.0005	.0089	-.0009	.0086	-.0026	-.0001	.0	.0	.0	93: 1

Velocities

M002 1 7602 R GSFC	.0007	-.0146	-.0047	-.0140	.0021	-.0058	-3.5	.3	-.4
M002 1 7602 R USNO	-.0025	-.0174	-.0095	-.0157	.0042	-.0117	-2.3	.3	-.6
M002 1 7602 R NOAA	.0020	-.0150	.0046	-.0148	.0044	.0033	-3.1	.4	.2
M002 1 7602 L CGS	-.0192	.0077	.0047	.0135	.0163	-.0011	.0	.0	.0
M002 1 7602 L DUT	-.0003	-.0064	.0019	-.0060	.0029	.0009	.0	.0	.0
M002 1 7602 C GRIM	.0043	.0040	.0039	.0024	-.0037	.0055	.2	-.4	.6
M002 1 7602 L CSR	.0035	-.0039	-.0260	-.0048	-.0109	-.0237	.0	.0	-.1
M003 1 TROM P CODE	.0004	-.0014	.0011	-.0015	.0004	.0010	-1.0	.2	.2
M003 1 TROM P EMR	.0011	.0004	.0003	.0001	-.0010	.0007	.0	-.8	.7
M003 1 TROM P GFZ	.0035	.0015	-.0029	.0003	-.0046	-.0014	.1	-1.4	-.2
M003 1 TROM P NRCAN	-.0036	-.0032	-.0087	-.0019	.0011	-.0097	-1.0	.4	-2.1
M003 1 TROM P EUR	-.0015	-.0011	.0007	-.0006	.0019	.0000	-.2	.2	.0
M003 1 TROM P JPL	-.0009	-.0015	-.0011	-.0012	.0008	-.0015	-.8	.4	-.4
M006 1 TRO1 P CODE	.0004	-.0014	.0011	-.0015	.0004	.0010	-1.0	.2	.2
M006 1 TRO1 P NRCAN	-.0091	.0028	-.0216	.0056	-.0003	-.0230	.2	.0	-.2
M006 1 TRO1 P EUR	-.0015	-.0011	.0007	-.0006	.0019	.0000	-.2	.2	.0

10307 OSLO

Positions

M001 1 OSLO P EUR	-.0006	.0001	-.0006	.0002	.0002	-.0008	.1	.0	-.1	97:151
M001 2 OSLO P EUR	.0005	.0001	.0008	.0000	-.0001	.0009	.0	.0	.1	98: 91

Velocities

M001 1 OSLO P EUR	-.0033	-.0008	-.0064	-.0002	-.0003	-.0072	.0	.0	-.2
M001 2 OSLO P EUR	-.0033	-.0008	-.0064	-.0002	-.0003	-.0072	.0	.0	-.2

10317 NY-ALESUND

Positions

M001 1 NYAL TIE10317	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M001 1 NYAL P CODE	.0002	.0012	-.0066	.0012	-.0017	-.0064	.6	-.6	-.8	95:355
M001 1 NYAL P GFZ	-.0067	-.0065	-.0004	-.0050	.0077	-.0019	-1.4	1.8	-.2	96:227
M001 1 NYAL P NRCAN	-.0025	-.0001	-.0111	.0004	.0003	-.0114	.3	.1	-2.1	97:167
M001 1 NYAL P EUR	-.0011	.0000	-.0063	.0003	-.0001	-.0064	.2	.0	-.5	97: 22
M001 1 NYAL P JPL	.0002	.0012	-.0023	.0012	-.0009	-.0022	.5	-.3	-.3	95:105
M003 1 NYA1 P CODE	.0023	-.0003	.0013	-.0007	-.0019	.0017	-.3	-.4	.1	98:137
M003 1 NYA1 P EUR	-.0004	-.0012	-.0032	-.0011	.0000	-.0032	-.3	.0	-.1	98:171
S002 1 SPIA TIE10317	.0013	-.0046	-.0062	-.0048	-.0015	-.0060	.0	.0	.0	93: 1
S002 1 SPIA C GRIM	.0115	-.0036	-.0047	-.0059	-.0112	-.0026	-.7	-1.3	-.4	95: 93
S002 1 SPIA D GRGS	-.0133	.0227	.0242	.0250	.0128	.0222	2.5	1.2	2.2	95:147
S002 1 SPIA D IGN	-.0334	.0339	.0509	.0401	.0350	.0450	2.1	1.7	2.8	96:131
S002 1 SPIA D CSR	-.0510	-.0393	.1152	-.0280	.0791	.1019	-.3	.6	.6	94:192
S003 1 7331 R GSFC	-.0026	.0001	-.0096	.0006	.0006	-.0099	1.0	.5	-2.9	96:233
S003 1 7331 R USNO	-.0025	-.0008	-.0127	-.0003	.0001	-.0130	-.5	.1	-3.9	96:244
S003 1 7331 R NOAA	-.0009	.0002	.0045	.0004	.0017	.0042	.1	.3	.4	93: 1
S003 1 7331 R GIUB	.0009	-.0009	.0065	-.0011	.0006	.0065	-.6	.3	3.0	96:153

Velocities

M001 1 NYAL P CODE	-.0005	-.0005	.0002	-.0004	.0006	.0001	-.3	.3	.0
M001 1 NYAL P GFZ	.0033	.0018	.0012	.0010	-.0033	.0019	.3	-1.1	.5
M001 1 NYAL P NRCAN	-.0017	-.0002	-.0120	.0002	-.0006	-.0121	.1	-.3	-1.8
M001 1 NYAL P EUR	-.0026	.0021	-.0076	.0026	.0007	-.0079	1.1	.1	-.3
M001 1 NYAL P JPL	-.0011	-.0007	-.0038	-.0004	.0005	-.0040	-.3	.3	-.8
M003 1 NYA1 P CODE	-.0005	-.0005	.0002	-.0004	.0006	.0001	-.3	.3	.0
M003 1 NYA1 P EUR	-.0026	.0021	-.0076	.0026	.0007	-.0079	1.0	.1	-.3
S002 1 SPIA C GRIM	.0082	.0048	-.0005	.0030	-.0090	.0013	.6	-1.8	.3
S002 1 SPIA D GRGS	.0045	.0043	-.0015	.0032	-.0055	-.0005	.4	-.7	-.1
S002 1 SPIA D IGN	.0031	.0104	-.0103	.0095	-.0070	-.0091	.8	-.6	-.9
S002 1 SPIA D CSR	.0063	.0055	-.0082	.0041	-.0087	-.0066	.0	-.1	.0
S003 1 7331 R GSFC	-.0003	-.0004	-.0005	-.0003	.0003	-.0005	-.7	.5	-.4
S003 1 7331 R USNO	.0000	.0002	.0013	.0002	.0003	.0013	.4	.4	.9
S003 1 7331 R NOAA	.0001	-.0017	.0010	-.0017	.0004	.0009	.0	.0	.0
S003 1 7331 R GIUB	.0024	-.0002	.0037	-.0007	-.0016	.0040	-.8	-1.6	1.7

10322 DOMEN/VARDO

Positions

M002 1 VARD P EUR	-.0017	-.0007	-.0050	.0003	.0000	-.0053	.1	.0	-.4	97:134
M002 2 VARD P EUR	-.0001	-.0005	-.0018	-.0004	-.0003	-.0018	-.1	-.1	-.2	98: 93

Velocities

M002 1 VARD P EUR	.0045	.0017	.0123	-.0008	-.0003	.0132	-.1	.0	.4
M002 2 VARD P EUR	.0045	.0017	.0123	-.0008	-.0003	.0132	-.1	.0	.4

10329 TRYSL

Positions

M001 1 7607 R GSFC	.0005	-.0005	-.0011	-.0006	-.0009	-.0008	-.2	-.1	-.1	92: 89
M001 1 7607 R USNO	-.0267	-.0050	-.0401	.0009	.0046	-.0482	.1	.2	-1.2	92: 79
M001 1 7607 R NOAA	.0046	.0001	.0086	-.0009	.0001	.0097	-.2	.0	.6	92:104

Velocities

M001 1 7607 R GSFC	-.0031	.0008	-.0036	.0015	.0008	-.0045	.3	.0	-.2
M001 1 7607 R USNO	.0049	.0020	.0080	.0009	-.0007	.0095	.1	.0	.4
M001 1 7607 R NOAA	-.0051	-.0016	-.0092	-.0005	.0003	-.0107	-.1	.0	-.4

10330 STAVANGER

Positions

M001 1 STAV P EUR	-.0002	.0001	-.0002	.0001	.0001	-.0003	.1	.0	.0	97:150
M001 2 STAV P EUR	.0007	.0001	.0011	.0001	-.0001	.0013	.0	.0	.2	98: 93

Velocities

M001 1 STAV P EUR	-.0021	-.0003	-.0043	-.0001	-.0004	-.0047	.0	.0	-.2
M001 2 STAV P EUR	-.0021	-.0003	-.0043	-.0001	-.0004	-.0047	.0	.0	-.2

10331 TRONDHEIM

Positions

M001 1 TRON P EUR	-.0008	.0001	-.0012	.0003	.0001	-.0014	.1	.0	-.1	97:145
M001 2 TRON P EUR	.0004	.0001	.0005	.0000	-.0001	.0006	.0	.0	.1	98: 91

Velocities

M001 1 TRON P EUR	.0005	-.0001	-.0003	-.0002	-.0006	-.0001	.0	.0	.0
M001 2 TRON P EUR	.0005	-.0001	-.0003	-.0002	-.0006	-.0001	.0	.0	.0

10402 ONSALA

Positions

M004 1 ONSA TIE10402	.0019	-.0004	-.0016	-.0008	-.0023	-.0004	.0	.0	.0	93: 1
M004 1 ONSA P CODE	-.0001	-.0008	.0005	-.0008	.0005	.0003	-.5	.2	.1	96:238
M004 1 ONSA P GFZ	-.0065	-.0063	.0024	-.0049	.0077	-.0021	-1.4	1.6	-.4	96: 60
M004 1 ONSA P NRCAN	-.0001	.0000	-.0001	.0000	.0001	-.0001	.0	.0	-.1	97:249
M004 1 ONSA P EUR	.0000	.0003	.0002	.0003	.0001	.0002	.3	.0	.1	97:140
M004 1 ONSA P JPL	.0006	.0001	.0000	-.0001	-.0005	.0003	.0	-.2	.1	95:147
M006 1 7211 TIE10402	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M006 1 7211 R GSFC	.0042	.0022	.0103	.0012	.0017	.0111	.3	.2	1.1	94:149
S002 1 7213 TIE10402	.0003	.0003	.0003	.0003	-.0001	.0004	.0	.0	.0	93: 1
S002 1 7213 R GSFC	.0025	.0011	.0060	.0005	.0010	.0065	.6	.4	2.1	94:110
S002 1 7213 R USNO	.0066	.0005	.0127	-.0009	.0013	.0143	-1.1	.5	4.8	94:176
S002 1 7213 R NOAA	.0032	.0002	.0020	-.0005	-.0016	.0034	-.2	-.5	1.0	91:138
S002 1 7213 R GIUB	-.0025	-.0010	-.0009	-.0005	.0018	-.0022	-.3	.9	-1.1	93:279

Velocities

M004 1 ONSA P CODE	.0007	-.0003	.0013	-.0004	.0002	.0014	-.8	.2	1.6
M004 1 ONSA P GFZ	.0041	.0036	.0002	.0027	-.0039	.0028	1.3	-1.5	.9
M004 1 ONSA P NRCAN	-.0001	.0003	-.0011	.0003	-.0006	-.0009	.3	-.3	-.4
M004 1 ONSA P EUR	.0008	.0007	.0005	.0005	-.0005	.0009	.6	-.3	.5
M004 1 ONSA P JPL	-.0013	.0010	-.0008	.0013	.0004	-.0013	1.1	.2	-.6
M006 1 7211 R GSFC	-.0004	.0000	-.0004	.0001	.0001	-.0005	.4	.3	-1.2
S002 1 7213 R GSFC	-.0004	.0000	-.0004	.0001	.0001	-.0005	.4	.3	-1.2
S002 1 7213 R USNO	.0003	.0001	-.0006	.0000	-.0006	-.0003	.2	-1.3	-.5
S002 1 7213 R NOAA	-.0004	-.0001	-.0003	.0000	.0002	-.0005	.1	.3	-.7
S002 1 7213 R GIUB	.0000	.0000	-.0005	.0000	-.0002	-.0004	-.1	-.4	-.7

10403 KIRUNA

Positions

M002 1 KIRU P CODE	-.0005	-.0015	-.0022	-.0012	.0001	-.0024	-.5	.0	-.3	98: 22
M002 1 KIRU P NRCAN	-.0001	-.0007	.0003	-.0006	.0004	.0001	-.5	.2	.0	97:230
M002 1 KIRU P EUR	.0003	-.0002	.0006	-.0003	.0000	.0006	-.2	.0	.1	97:216
M002 1 KIRU P JPL	.0004	.0004	.0003	.0003	-.0004	.0004	.1	-.1	.1	95:365

Velocities

M002 1 KIRU P CODE	.0024	.0059	.0206	.0046	.0037	.0207	.7	.2	.7
M002 1 KIRU P NRCAN	-.0007	.0006	-.0030	.0008	-.0008	-.0030	.5	-.3	-.6
M002 1 KIRU P EUR	.0017	-.0009	.0042	-.0014	.0004	.0044	-.7	.1	.5
M002 1 KIRU P JPL	.0003	.0013	.0016	.0011	-.0001	.0017	.6	-.1	.4

10405 MAARTSBO

Positions

M002 1 MAR6 P EUR	.0000	.0000	.0002	.0000	.0001	.0001	.0	.0	.0	97:346
Velocities										
M002 1 MAR6 P EUR	.0007	-.0004	.0005	-.0005	-.0002	.0007	-.2	.0	.1	
10422 KIRUNA										
Positions										
M001 1 KIRO P EUR	.0000	-.0001	-.0004	-.0001	-.0001	-.0003	.0	.0	-.1	97:331
Velocities										
M001 1 KIRO P EUR	.0017	-.0008	.0042	-.0014	.0004	.0044	-.7	.1	.5	
10423 VISBY										
Positions										
M001 1 VIS0 P EUR	-.0002	-.0002	.0000	-.0001	.0002	-.0001	-.1	.1	.0	97:348
Velocities										
M001 1 VIS0 P EUR	.0000	-.0007	-.0005	-.0007	-.0001	-.0005	-.2	.0	.0	
10424 VILHELMINA										
Positions										
M001 1 VILO P EUR	.0001	.0001	.0002	.0000	.0000	.0002	.0	.0	.1	97:351
Velocities										
M001 1 VILO P EUR	.0015	-.0001	.0018	-.0006	-.0005	.0022	-.2	-.1	.2	
10503 METSAHOVI										
Positions										
M002 1 7601 TIE10503	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M002 1 7601 R GSFC	.0155	.0044	.0210	-.0024	-.0034	.0261	-.2	-.1	.9	89:189
M002 1 7601 R USNO	.0261	.0152	.0730	.0031	.0102	.0782	.1	.1	.5	97: 1
M002 1 7601 R NOAA	.0221	.0047	.0263	-.0048	-.0061	.0338	-.4	-.3	1.1	93: 1
S001 1 7805 TIE10503	-.0008	.0003	.0002	.0007	.0006	-.0001	.0	.0	.0	93: 1
S001 1 7805 L CGS	.0295	.0223	-.0005	.0082	-.0316	.0175	.3	-.8	.3	94:333
S001 1 7805 L DUT	.0570	.0787	-.0179	.0481	-.0822	.0264	.4	-.7	.3	93: 1
S001 1 7805 L1 GZ	.1539	.1043	.1710	.0314	-.0741	.2394	.0	-.1	.2	93: 1
S001 1 7805 C GRIM	.1337	-.0066	.1020	-.0613	-.0526	.1477	-.3	-.2	.4	93: 1
S001 1 7805 L CSR	.2375	-.4304	.4577	-.4900	.1939	.4164	-4.4	1.1	2.0	87: 6
S011 1 METS TIE10503	.0020	-.0044	.0039	-.0049	.0019	.0034	.0	.0	.0	93: 1
S011 1 METS P CODE	-.0007	-.0016	-.0016	-.0011	.0004	-.0020	-.6	.1	-.7	96:258
S011 1 METS P GFZ	-.0086	-.0039	-.0004	.0000	.0080	-.0051	.0	1.7	-.8	96: 47
S011 1 METS P NRCAN	-.0017	-.0007	-.0026	.0000	.0003	-.0032	.0	.2	-1.4	97:192
S011 1 METS P EUR	-.0006	-.0001	-.0006	.0002	.0002	-.0008	.1	.1	-.3	97:135
S011 1 METS P JPL	.0038	.0041	.0075	.0021	-.0007	.0091	1.0	-.2	2.3	95:152
S013 1 META TIE10503	.0004	.0018	-.0022	.0014	-.0021	-.0014	.0	.0	.0	93: 1
S013 1 META C GRIM	.0135	-.0125	.0103	-.0169	-.0011	.0125	-.9	-.1	.7	95:190
S013 1 META D GRGS	.0034	-.0023	.0183	-.0035	.0072	.0170	-.2	.4	.9	95:244
S013 1 META D IGN	-.0125	-.0172	.0116	-.0105	.0218	.0009	-.3	.7	.0	96:273
S013 1 META D CSR	.0185	-.0193	.0283	-.0252	.0064	.0289	-.7	.1	.8	94: 97
Velocities										
M002 1 7601 R GSFC	.0003	.0000	-.0002	-.0002	-.0003	.0000	.0	.0	.0	
M002 1 7601 R USNO	-.0014	.0000	-.0001	.0006	.0010	-.0007	.0	.0	.0	
M002 1 7601 R NOAA	-.0005	.0000	-.0005	.0002	.0002	-.0007	.0	.0	.0	
S001 1 7805 L CGS	.0108	.0074	.0145	.0023	-.0040	.0190	.1	-.1	.6	
S001 1 7805 L DUT	-.0005	-.0013	.0006	-.0010	.0012	.0000	.0	.0	.0	
S001 1 7805 L1 GZ	-.0202	.0154	.0061	.0223	.0134	-.0007	.0	.0	.0	
S001 1 7805 C GRIM	-.0165	.0140	.0063	.0196	.0112	.0009	.0	.0	.0	
S001 1 7805 L CSR	-.0159	.0540	-.0391	.0557	-.0262	-.0300	2.4	-.8	-.7	

S011 1	METS P	CODE	-.0013	-.0016	-.0022	-.0009	.0005	-.0028	-1.0	.3	-1.4
S011 1	METS P	GFZ	.0030	.0017	-.0035	.0003	-.0047	-.0014	.2	-1.8	-.4
S011 1	METS P	NRCAN	-.0008	-.0004	-.0016	.0000	.0000	-.0018	.0	.0	-.6
S011 1	METS P	EUR	.0003	-.0003	.0007	-.0004	.0002	.0007	-.2	.1	.1
S011 1	METS P	JPL	-.0028	-.0001	-.0038	.0011	.0004	-.0046	.8	.2	-2.0
S013 1	META C	GRIM	.0049	.0044	.0000	.0020	-.0055	.0031	.2	-.6	.4
S013 1	META D	GRGS	.0031	.0017	.0017	.0003	-.0022	.0032	.0	-.2	.3
S013 1	META D	IGN	.0032	.0020	-.0196	.0005	-.0130	-.0151	.0	-.7	-1.0
S013 1	META D	CSR	.0147	.0026	.0045	-.0037	-.0103	.0111	-.1	-.3	.4
10511 VAASA											
Positions											
M001 1	VAAS P	EUR	-.0001	-.0001	-.0001	-.0001	.0001	-.0001	-.1	.0	.0 97:355
Velocities											
M001 1	VAAS P	EUR	.0011	-.0004	.0013	-.0008	-.0002	.0015	-.2	.0	.1
10512 JOENSUU											
Positions											
M001 1	JOEN P	EUR	-.0002	-.0002	-.0002	.0000	.0002	-.0003	.0	.1	-.1 97:348
Velocities											
M001 1	JOEN P	EUR	.0011	-.0002	.0014	-.0007	-.0001	.0017	-.1	.0	.1
10513 SODANKYLA/PITTIO											
Positions											
M001 1	SODA P	EUR	-.0003	-.0002	-.0012	.0000	-.0001	-.0012	.0	.0	-.1 97:320
Velocities											
M001 1	SODA P	EUR	.0019	.0001	.0033	-.0008	-.0004	.0037	-.1	.0	.2
11001 GRAZ											
Positions											
M002 1	GRAZ	TIE11001	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M002 1	GRAZ P	CODE	-.0050	-.0006	-.0066	.0007	-.0008	-.0083	.3	-.2	-2.1 95: 50
M002 1	GRAZ P	NRCAN	.0005	.0003	.0015	.0001	.0006	.0015	.1	.3	.6 97:287
M002 1	GRAZ P	EUR	.0008	-.0004	.0017	-.0006	.0007	.0017	-.4	.3	.7 97:100
M002 1	GRAZ P	JPL	.0021	.0011	.0020	.0005	-.0003	.0030	.2	-.1	.8 95:333
M002 2	GRAZ P	CODE	.0003	-.0013	.0009	-.0013	.0007	.0006	-.6	.2	.2 97:251
S002 1	7839	TIE11001	.0005	-.0006	.0008	-.0007	.0003	.0008	.0	.0	.0 93: 1
S002 1	7839 L	CGS	.0003	.0050	.0055	.0048	.0025	.0051	1.8	.6	1.1 94: 46
S002 1	7839 L	DUT	-.0113	-.0028	.0097	.0003	.0151	-.0009	.0	1.0	-.1 93: 11
S002 1	7839 L	GSFC	.0014	-.0030	-.0074	-.0032	-.0055	-.0050	-.6	-1.0	-1.0 91: 36
S002 1	7839 L1	GZ	.0063	-.0001	.0058	-.0018	-.0005	.0084	-.4	-.1	1.9 96: 71
S002 1	7839 C	GRIM	.0115	.0016	.0020	-.0016	-.0070	.0093	-.6	-1.5	1.9 93:253
S002 1	7839 L	CSR	.0037	.0043	.0066	.0032	.0010	.0081	.9	.3	2.3 92:175
Velocities											
M002 1	GRAZ P	CODE	-.0002	-.0001	-.0008	-.0001	-.0004	-.0007	-.1	-.1	-.2
M002 1	GRAZ P	NRCAN	.0010	.0008	.0020	.0005	.0005	.0023	.4	.2	.7
M002 1	GRAZ P	EUR	-.0011	-.0007	-.0007	-.0004	.0004	-.0014	-.4	.3	-.8
M002 1	GRAZ P	JPL	-.0005	-.0001	.0002	.0001	.0005	-.0002	.0	.2	-.1
M002 2	GRAZ P	CODE	-.0002	-.0001	-.0008	-.0001	-.0004	-.0007	-.1	-.1	-.2
S002 1	7839 L	CGS	-.0003	.0006	-.0007	.0007	-.0003	-.0006	.8	-.2	-.4
S002 1	7839 L	DUT	.0008	.0013	-.0018	.0010	-.0020	-.0006	.4	-.8	-.2
S002 1	7839 L	GSFC	-.0004	.0001	-.0003	.0002	.0000	-.0004	.2	.0	-.3
S002 1	7839 L1	GZ	-.0028	-.0018	-.0046	-.0010	-.0008	-.0055	-.4	-.3	-2.2
S002 1	7839 C	GRIM	.0023	-.0021	-.0008	-.0026	-.0017	.0006	-1.6	-1.0	.3
S002 1	7839 L	CSR	-.0011	.0006	-.0012	.0009	-.0001	-.0015	.5	-.1	-1.0

11005 PFANDER

Positions

S002 1 PFAN P EUR	.0001	-.0003	.0003	-.0003	.0002	.0002	-.2	.0	.1	97:342
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Velocities

S002 1 PFAN P EUR	-.0020	-.0006	-.0018	-.0003	.0003	-.0027	-.1	.0	-.2
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11006 HAFELEKAR

Positions

S003 1 HFLK P CODE	.0119	.0004	.0094	-.0020	-.0023	.0149	-.3	-.1	.9	98:133
S003 1 HFLK P EUR	.0000	-.0001	.0001	-.0001	.0001	.0001	-.1	.0	.0	97: 36

Velocities

S003 1 HFLK P CODE	.0007	-.0008	-.0006	-.0009	-.0008	-.0001	-.1	-.1	.0
S003 1 HFLK P EUR	-.0008	-.0004	-.0003	-.0002	.0004	-.0008	-.1	.1	-.2

11101 SOFIA

Positions

M001 1 7505 TIE11101	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M001 1 7505 L1 GZ	.0037	.0002	-.0051	-.0013	-.0061	-.0009	-.1	-.3	.0	93: 1
M001 1 7505 L CSR	-.0027	.0118	.0097	.0118	.0056	.0082	.5	.2	.2	95:286
M002 1 SOFI TIE11101	-.0001	.0002	.0001	.0002	.0000	.0001	.0	.0	.0	93: 1
M002 1 SOFI P NRCAN	-.0009	-.0021	-.0030	-.0016	-.0011	-.0033	-.1	-.1	-.2	98: 88
M002 1 SOFI P EUR	.0011	-.0003	.0016	-.0007	.0006	.0017	-.3	.2	.4	97:350

Velocities

M001 1 7505 L1 GZ	-.0191	.0203	.0084	.0262	.0126	-.0013	.0	.0	.0
M001 1 7505 L CSR	-.0408	-.0011	.0031	.0152	.0279	-.0258	.0	.1	-.1
M002 1 SOFI P NRCAN	-.0002	-.0008	-.0021	-.0007	-.0012	-.0018	.0	.0	.0
M002 1 SOFI P EUR	.0011	.0010	.0017	.0004	.0003	.0021	.0	.0	.1

11206 PENC

Positions

M006 1 PENC P CODE	.0053	.0004	.0067	-.0014	.0007	.0085	-.2	.1	.6	98:144
M006 1 PENC P EUR	.0003	-.0001	.0004	-.0002	.0001	.0005	-.1	.0	.2	97:123

Velocities

M006 1 PENC P CODE	-.0009	-.0008	.0008	-.0004	.0014	-.0002	.0	.2	.0
M006 1 PENC P EUR	-.0001	-.0003	.0003	-.0002	.0004	.0000	-.1	.1	.0

11502 PECNY/ONDREJOV

Positions

M002 1 GOPE P CODE	.0006	-.0012	.0013	-.0013	.0006	.0011	-.7	.2	.3	97:120
M002 1 GOPE P NRCAN	.0004	.0005	-.0001	.0004	-.0005	.0003	.3	-.2	.1	97:246
M002 1 GOPE P EUR	-.0003	-.0004	.0003	-.0003	.0005	-.0001	-.2	.2	.0	97:128

Velocities

M002 1 GOPE P CODE	-.0002	-.0003	-.0005	-.0002	-.0001	-.0006	-.2	.0	-.1
M002 1 GOPE P NRCAN	-.0004	-.0014	.0009	-.0012	.0011	.0001	-.7	.2	.0
M002 1 GOPE P EUR	-.0012	-.0002	-.0013	.0001	.0001	-.0017	.0	.0	-.4

11507 MODRA-PIESKY

Positions

M001 1 MOPI P EUR	.0000	-.0003	.0002	-.0002	.0002	.0001	-.1	.0	.0	97:228
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Velocities

M001 1 MOPI P EUR	-.0024	-.0010	-.0025	-.0003	.0003	-.0036	-.1	.0	-.4
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12204 JOZEFOSLAW

Positions

M001 1 JOZE P CODE	.0013	-.0009	.0018	-.0013	.0004	.0020	-.7	.2	.7 96:337
M001 1 JOZE P EUR	-.0004	.0000	-.0002	.0001	.0002	-.0004	.1	.1	-.2 97:116
M001 1 JOZE P JPL	-.0353	-.0093	-.0574	.0040	-.0066	-.0676	.1	-.2	-1.5 96:356

Velocities

M001 1 JOZE P CODE	.0010	-.0002	.0018	-.0006	.0004	.0019	-.6	.2	.9
M001 1 JOZE P EUR	-.0030	-.0015	-.0051	-.0004	-.0005	-.0061	-.2	-.2	-1.7
M001 1 JOZE P JPL	-.0007	-.0005	-.0021	-.0002	-.0006	-.0022	.0	.0	.0

12205 BOROWIEC

Positions

M002 1 BOR1 TIE12205	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M002 1 BOR1 P CODE	.0010	-.0006	.0020	-.0009	.0006	.0021	-.5	.2	.7 96:364
M002 1 BOR1 P NRCAN	.0009	.0003	.0014	.0001	.0001	.0017	.1	.1	.8 97:153
M002 1 BOR1 P EUR	.0003	-.0002	.0003	-.0003	.0000	.0004	-.2	.0	.1 97: 81
M002 1 BOR1 P JPL	.0016	.0009	.0016	.0004	-.0004	.0024	.1	-.1	.6 96:210
S001 1 7811 TIE12205	.0006	.0007	.0040	.0005	.0018	.0036	.0	.0	.0 93: 1
S001 1 7811 L CGS	.0204	.0099	.0189	.0035	-.0062	.0286	.4	-.4	1.8 94:319
S001 1 7811 L DUT	-.0093	-.0048	-.0028	-.0019	.0064	-.0085	-.1	.3	-.4 95:128
S001 1 7811 L1 GZ	-.0119	-.0018	-.0125	.0017	.0018	-.0172	.1	.1	-1.1 95:338
S001 1 7811 C GRIM	.0457	.0049	.0323	-.0087	-.0159	.0532	-.5	-.5	1.4 94:257
S001 1 7811 L CSR	.0272	.0187	.0411	.0099	.0002	.0518	.5	.0	1.5 96:148

Velocities

M002 1 BOR1 P CODE	-.0003	-.0008	-.0002	-.0007	.0003	-.0004	-.6	.1	-.2
M002 1 BOR1 P NRCAN	.0002	.0000	-.0003	-.0001	-.0004	-.0001	.0	-.1	.0
M002 1 BOR1 P EUR	-.0017	-.0006	-.0025	-.0001	-.0001	-.0030	-.1	-.1	-1.7
M002 1 BOR1 P JPL	-.0021	-.0013	-.0025	-.0006	.0003	-.0035	-.2	.1	-.8
S001 1 7811 L CGS	.0071	.0071	.0129	.0047	.0009	.0156	1.4	.2	2.4
S001 1 7811 L DUT	-.0025	.0022	.0001	.0029	.0015	-.0010	.3	.2	-.1
S001 1 7811 L1 GZ	-.0016	.0007	-.0001	.0011	.0009	-.0009	.1	.1	-.1
S001 1 7811 C GRIM	-.0007	-.0010	-.0025	-.0007	-.0008	-.0026	-.1	-.1	-.3
S001 1 7811 L CSR	-.0101	-.0004	-.0082	.0026	.0027	-.0124	.3	.2	-.8

12207 BOROWA GORA

Positions

M002 1 BOGO P CODE	.0023	-.0010	.0046	-.0018	.0014	.0047	-.3	.1	.4 98:148
M002 1 BOGO P NRCAN	.0007	.0000	.0015	-.0003	.0004	.0016	-.1	.0	.1 98:185
M002 1 BOGO P EUR	.0002	.0000	.0004	.0000	.0002	.0005	.0	.1	.2 97:182

Velocities

M002 1 BOGO P CODE	-.0015	.0004	.0009	.0009	.0015	.0000	.1	.2	.0
M002 1 BOGO P NRCAN	-.0062	-.0029	-.0187	-.0005	-.0060	-.0190	.0	-.1	-.2
M002 1 BOGO P EUR	-.0017	-.0008	-.0022	-.0002	.0002	-.0029	-.1	.0	-.6

12209 LAMKOWKO

Positions

M001 1 LAMA P CODE	-.0019	-.0019	-.0023	-.0011	.0006	-.0033	-.5	.2	-1.0 97: 41
M001 1 LAMA P NRCAN	-.0020	-.0008	-.0025	.0000	.0002	-.0033	.0	.1	-.9 97:295
M001 1 LAMA P EUR	.0025	.0007	.0037	-.0002	.0000	.0045	-.1	.0	1.6 97:128
M001 1 LAMA P JPL	.0029	.0000	.0036	-.0010	.0000	.0045	-.3	.0	.8 97: 3

Velocities

M001 1 LAMA P CODE	.0001	-.0006	.0003	-.0006	.0003	.0002	-.4	.1	.1
M001 1 LAMA P NRCAN	.0032	.0003	.0047	-.0008	.0003	.0056	-.3	.1	1.0

M001 1 LAMA P EUR	-.0019	-.0007	-.0027	.0000	.0000	-.0034	.0	.0	-.8
M001 1 LAMA P JPL	-.0027	-.0018	-.0037	-.0007	.0004	-.0049	-.2	.1	-.7

12217 WROCLAW

Positions

M001 1 WROC P EUR	.0000	-.0003	.0002	-.0003	.0002	.0000	-.2	.1	.0 97:270
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Velocities

M001 1 WROC P EUR	-.0012	-.0007	-.0015	-.0003	.0002	-.0020	-.1	.0	-.2
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12302 RIGA

Positions

M001 1 7560 TIE12302	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M001 1 7560 L CGS	-.0048	-.0063	-.0011	-.0038	.0052	-.0048	-.1	.1	-.1 93: 1
M001 1 7560 C GRIM	-.0419	.0288	-.0458	.0434	-.0028	-.0529	.2	.0	-.2 93: 1
M001 1 7560 L CSR	.0051	.0124	.0183	.0092	.0018	.0206	.1	.0	.1 91:268
M002 1 RIGA TIE12302	-.0001	-.0001	.0000	.0000	.0001	-.0001	.0	.0	.0 93: 1
M002 1 RIGA P EUR	-.0006	-.0005	-.0004	-.0002	.0004	-.0008	-.1	.1	-.2 97:341
S002 1 1884 TIE12302	-.0022	.0005	.0009	.0013	.0020	-.0003	.0	.0	.0 93: 1
S002 1 1884 L CGS	-.0040	-.0005	-.0101	.0012	-.0022	-.0106	.2	-.2	-1.0 94:307
S002 1 1884 L DUT	.0108	-.0019	.0138	-.0061	-.0001	.0165	-.3	.0	.8 95:102
S002 1 1884 L1 GZ	-.0151	-.0124	-.0472	-.0052	-.0100	-.0498	-.3	-.3	-1.4 95:246
S002 1 1884 C GRIM	-.0067	-.0074	-.0236	-.0040	-.0052	-.0248	-.1	-.1	-.3 94:213
S002 1 1884 L CSR	-.0091	.0022	-.0067	.0057	.0026	-.0097	.2	.1	-.2 95:359
S006 1 1885 L1 GZ	-.2094	-.1833	-.1401	-.0820	.1465	-.2624	-.1	.3	-.6 93: 1

Velocities

M001 1 7560 L CGS	-.0194	.0141	.0040	.0207	.0122	-.0032	.0	.0	.0
M001 1 7560 C GRIM	-.0163	.0138	.0052	.0192	.0106	-.0007	.0	.0	.0
M001 1 7560 L CSR	.0001	-.0048	-.0069	-.0044	-.0022	-.0068	.0	.0	.0
M002 1 RIGA P EUR	.0024	-.0029	.0001	-.0036	-.0008	.0006	-.6	-.1	.0
S002 1 1884 L CGS	.0002	.0028	-.0024	.0025	-.0024	-.0013	.9	-.6	-.3
S002 1 1884 L DUT	-.0035	-.0001	.0026	.0013	.0041	.0004	.1	.5	.1
S002 1 1884 L1 GZ	.0037	-.0001	.0022	-.0016	-.0016	.0037	-.1	-.1	.1
S002 1 1884 C GRIM	.0002	.0038	-.0052	.0034	-.0043	-.0035	.4	-.5	-.4
S002 1 1884 L CSR	-.0030	-.0036	-.0099	-.0020	-.0019	-.0106	-.2	-.1	-.5
S006 1 1885 L1 GZ	-.0199	.0153	.0052	.0221	.0129	-.0021	.0	.0	.0

12309 MENDELEEVO

Positions

M001 1 MDVO P CODE	.0018	.0010	.0026	-.0003	-.0003	.0033	.0	.0	.1 95:136
M002 1 MDVO P CODE	.0058	.0014	.0091	-.0024	.0006	.0106	-1.0	.2	3.2 97:206
M002 1 MDVO P NRCAN	-.0037	-.0036	-.0059	-.0006	.0009	-.0078	-.4	.4	-2.8 97:262
M002 1 MDVO P EUR	-.0015	.0001	-.0015	.0010	.0001	-.0019	.5	.1	-.6 97:220

Velocities

M001 1 MDVO P CODE	-.0009	-.0012	-.0024	-.0004	-.0002	-.0028	-.2	-.1	-.7
M002 1 MDVO P CODE	-.0009	-.0012	-.0024	-.0004	-.0002	-.0028	-.2	-.1	-.7
M002 1 MDVO P NRCAN	.0023	.0001	.0060	-.0013	.0018	.0061	-.5	.5	1.4
M002 1 MDVO P EUR	-.0014	-.0009	-.0035	.0001	-.0006	-.0038	.0	-.1	-.7

12312 YEREVAN

Positions

M001 1 NSSP P NRCAN	.0000	.0010	.0012	.0007	.0005	.0013	.0	.0	.1 98:174
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Velocities

M001 1 NSSP P NRCAN	.0060	.0132	.0133	.0052	.0014	.0189	.0	.0	.2
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12313 IRKOUTSK

Positions

M001 1 IRKT P CODE	.0001	.0020	.0068	-.0006	.0027	.0065	-.2	.8	1.8	97:135
M001 1 IRKT P EMR	-.0051	.0000	.0059	.0050	.0026	.0054	1.1	.5	1.1	97: 60
M001 1 IRKT P GFZ	-.0040	.0084	.0089	.0018	-.0017	.0127	.4	-.3	1.9	96:333
M001 1 IRKT P NRCAN	.0003	-.0020	-.0019	.0002	.0004	-.0027	.1	.2	-1.4	97:278

Velocities

M001 1 IRKT P CODE	-.0011	.0001	-.0003	.0010	-.0005	.0000	.9	-.4	.0
M001 1 IRKT P EMR	.0002	.0016	-.0015	-.0006	-.0021	-.0003	-.1	-.6	-.1
M001 1 IRKT P GFZ	.0034	.0054	-.0024	-.0046	-.0049	.0008	-.9	-.6	.1
M001 1 IRKT P NRCAN	.0008	.0009	.0028	-.0010	.0012	.0026	-.6	.4	1.0

12329 SAKHALINS

Positions

S001 1 SAKA C GRIM	.0085	.0126	.0052	-.0152	.0029	.0043	-.8	.2	.2	95: 87
S001 1 SAKA D IGN	-.0302	.0104	.0257	.0100	-.0047	.0395	.2	-.1	1.1	96:356
S001 1 SAKA D CSR	.0112	-.0269	-.0105	.0146	.0112	-.0249	.5	.4	-1.0	94: 71

Velocities

S001 1 SAKA C GRIM	.0049	-.0008	-.0064	-.0023	-.0012	-.0076	-.3	-.1	-.9
S001 1 SAKA D IGN	-.0170	.0039	-.0058	.0072	-.0156	.0066	.2	-.6	.3
S001 1 SAKA D CSR	-.0108	-.0060	.0107	.0113	.0036	.0112	.4	.1	.4

12330 ZWENIGOROD

Positions

M001 1 ZWEN P CODE	-.0001	-.0031	-.0004	-.0024	.0013	-.0014	-.9	.4	-.3	97:291
M001 1 ZWEN P GFZ	-.0065	-.0057	-.0040	-.0007	.0048	-.0082	-.2	.9	-1.2	96:224
M001 1 ZWEN P NRCAN	.0002	.0000	.0007	-.0001	.0002	.0006	-.1	.1	.3	97:295
M001 1 ZWEN P EUR	-.0002	.0003	.0009	.0004	.0005	.0007	.1	.2	.2	97:199

Velocities

M001 1 ZWEN P CODE	-.0010	.0009	.0003	.0013	.0004	.0001	1.1	.3	.1
M001 1 ZWEN P GFZ	.0048	.0017	-.0024	-.0015	-.0054	.0008	-.4	-1.0	.1
M001 1 ZWEN P NRCAN	.0003	-.0004	-.0005	-.0005	-.0003	-.0004	-.3	-.1	-.1
M001 1 ZWEN P EUR	-.0003	-.0007	-.0003	-.0004	.0004	-.0007	-.3	.2	-.3

12334 KITAB

Positions

M001 1 KIT3 TIE12334	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M001 1 KIT3 P CODE	.0006	-.0034	.0001	-.0018	.0019	-.0022	-.6	.6	-.6	97: 29
M001 1 KIT3 P EMR	-.0048	.0012	.0019	.0049	.0020	.0006	1.0	.4	.1	97: 8
M001 1 KIT3 P GFZ	-.0023	-.0024	.0006	.0012	.0024	-.0021	.3	.4	-.3	96:173
M001 1 KIT3 P NRCAN	.0000	.0013	.0013	.0005	.0002	.0017	.3	.1	1.0	97:223
M001 1 KIT3 P JPL	-.0004	-.0027	-.0033	-.0007	-.0009	-.0041	-.2	-.2	-.9	96:168
S004 1 KITA TIE12334	.0001	.0002	-.0004	.0000	-.0005	-.0001	.0	.0	.0	93: 1
S004 1 KITA C GRIM	-.0386	.0136	.0010	.0409	.0025	-.0014	1.3	.1	-.1	94:246
S004 1 KITA D GRGS	-.0078	-.0095	.0151	.0035	.0192	.0004	.1	1.1	.0	94:331
S004 1 KITA D IGN	.0209	-.0247	.0249	-.0289	.0284	.0045	-.4	.7	.1	96:102
S004 1 KITA D CSR	.0263	.0179	-.0160	-.0171	-.0293	.0107	-.5	-1.1	.4	94:148
S005 1 KITB TIE12334	-.0001	.0002	.0001	.0001	.0000	.0002	.0	.0	.0	93: 1
S005 1 KITB C GRIM	-.0524	.0305	-.0060	.0601	-.0094	.0020	.5	-.1	.0	96:191
S005 1 KITB D GRGS	.0088	-.0717	-.0472	-.0362	.0029	-.0783	-.6	.1	-1.7	96:359
S005 1 KITB D IGN	.0533	-.0144	-.0015	-.0547	-.0060	.0050	-.9	-.1	.1	97:140

Velocities

M001 1 KIT3 P CODE	-.0004	-.0007	-.0007	.0000	.0000	-.0011	.0	.0	-1.0
M001 1 KIT3 P EMR	.0017	-.0016	-.0031	-.0022	-.0019	-.0026	-.6	-.5	-.6
M001 1 KIT3 P GFZ	.0051	.0059	.0020	-.0024	-.0031	.0070	-.5	-.6	1.3
M001 1 KIT3 P NRCAN	.0025	.0047	.0040	-.0005	-.0002	.0066	-.2	-.1	2.9

M001 1 KIT3 P JPL	.0004	.0024	.0041	.0006	.0017	.0044	.2	.4	1.0
S004 1 KITA C GRIM	.0023	-.0004	-.0004	-.0023	-.0007	.0002	-.2	-.1	.0
S004 1 KITA D GRGS	-.0032	-.0033	.0025	.0017	.0047	-.0018	.1	.2	-.1
S004 1 KITA D IGN	.0012	-.0109	.0020	-.0054	.0076	-.0062	-.1	.3	-.2
S004 1 KITA D CSR	.0014	.0002	.0026	-.0012	.0016	.0022	.0	.1	.1
S005 1 KITB C GRIM	.0030	.0003	.0000	-.0027	-.0009	.0011	-.3	-.1	.1
S005 1 KITB D GRGS	-.0032	-.0033	.0025	.0017	.0047	-.0018	.1	.2	-.1
S005 1 KITB D IGN	.0012	-.0109	.0020	-.0054	.0076	-.0062	-.1	.3	-.2

12337 SIMEIS

Positions

M001 1 7561 L CGS	.0186	.0089	.0052	-.0030	-.0106	.0182	-.1	-.2	.4 93: 1
M001 1 7561 C GRIM	.0388	.0111	.0450	-.0124	.0053	.0589	-.3	.1	.9 93: 1
M001 1 7561 L CSR	-.0033	.0051	.0128	.0061	.0091	.0090	.2	.2	.2 91:311
S003 1 1873 L CGS	.0351	.0297	.0574	.0049	.0090	.0728	.2	.3	2.7 93:101
S003 1 1873 L DUT	-.0484	-.0633	-.0196	-.0254	.0389	-.0677	-.3	.6	-1.0 92: 55
S003 1 1873 L1 GZ	.0633	.0199	.1975	-.0189	.0966	.1836	-.1	.2	.5 95:357
S003 1 1873 C GRIM	.0640	.1178	.1106	.0618	-.0043	.1623	.2	.0	.5 93: 1
S003 1 1873 L CSR	.0103	.0179	-.0412	.0091	-.0424	-.0156	.1	-.2	-.1 92:117
S006 1 1893 L CGS	.0036	.0031	.0112	.0006	.0047	.0112	.0	.2	.4 93:294
S006 1 1893 L1 GZ	.0329	.0266	.0173	.0037	-.0171	.0422	.0	-.2	.4 93: 1
S006 1 1893 C GRIM	.0148	.0095	.0133	-.0003	-.0028	.0219	.0	.0	.2 93:318
S006 1 1893 L CSR	.0125	.0034	-.0215	-.0042	-.0240	-.0063	.0	-.2	.0 95:348
S008 1 7332 R GSFC	-.0007	.0010	.0008	.0012	.0006	.0006	.3	.1	.1 95:349
S008 1 7332 R USNO	-.0028	-.0023	-.0009	-.0003	.0018	-.0032	.0	.2	-.3 95:340
S008 1 7332 R NOAA	.0135	.0080	.0216	-.0009	.0045	.0263	-.1	.3	2.1 93: 1
S008 1 7332 R GIUB	-.0054	-.0032	-.0032	.0003	.0021	-.0067	.1	.3	-.9 95:151

Velocities

M001 1 7561 L CGS	-.0212	.0158	.0072	.0250	.0113	-.0012	.0	.0	.0
M001 1 7561 C GRIM	-.0172	.0151	.0076	.0221	.0095	.0012	.0	.0	.0
M001 1 7561 L CSR	.0090	-.0112	.0417	-.0144	.0289	.0300	.0	.1	.1
S003 1 1873 L CGS	.0017	.0097	.0142	.0071	.0053	.0148	.9	.5	1.4
S003 1 1873 L DUT	-.0207	-.0141	.0000	-.0001	.0176	-.0179	.0	.7	-.7
S003 1 1873 L1 GZ	-.0013	-.0042	.0035	-.0028	.0048	.0000	-.1	.2	.0
S003 1 1873 C GRIM	-.0172	.0151	.0076	.0221	.0095	.0012	.0	.0	.0
S003 1 1873 L CSR	-.0104	.0015	-.0003	.0071	.0052	-.0057	.1	.1	-.1
S006 1 1893 L CGS	-.0046	.0030	.0080	.0051	.0072	.0041	.5	.6	.3
S006 1 1893 L1 GZ	-.0213	.0168	.0085	.0258	.0118	.0000	.0	.0	.0
S006 1 1893 C GRIM	.0019	-.0005	.0028	-.0015	.0011	.0028	-.2	.1	.3
S006 1 1893 L CSR	.0047	.0041	.0052	.0008	-.0006	.0080	.0	.0	.2
S008 1 7332 R GSFC	-.0013	-.0011	-.0016	-.0002	.0000	-.0023	-.1	.0	-.7
S008 1 7332 R USNO	-.0033	-.0020	-.0056	.0001	-.0013	-.0067	.0	-.3	-1.7
S008 1 7332 R NOAA	-.0006	-.0006	.0000	-.0002	.0006	-.0006	.0	.0	.0
S008 1 7332 R GIUB	.0029	-.0006	-.0013	-.0021	-.0024	.0006	-.7	-.7	.2

12338 BADARY

Positions

S001 1 BADA C GRIM	-.0222	-.0477	.0022	.0318	.0343	-.0242	1.8	2.4	-1.7 95:186
S001 1 BADA D GRGS	.0079	.0177	-.0019	-.0115	-.0135	.0082	-.5	-.8	.5 95:306
S001 1 BADA D IGN	.0076	.0492	.0025	-.0179	-.0349	.0308	-.5	-1.4	1.2 97: 38
S001 1 BADA D CSR	.0090	-.0132	.0163	-.0060	.0217	.0036	-.2	.8	.1 94: 87

Velocities

S001 1 BADA C GRIM	.0032	.0017	-.0005	-.0035	-.0011	.0003	-.4	-.1	.0
S001 1 BADA D GRGS	-.0078	-.0068	.0019	.0090	.0051	-.0017	.6	.4	-.1
S001 1 BADA D IGN	-.0083	-.0058	-.0028	.0094	.0013	-.0046	.3	.1	-.3
S001 1 BADA D CSR	-.0026	-.0098	.0050	.0046	.0102	-.0017	.2	.4	-.1

12339 PARAMUSHIR

Positions
S001 1 PASB C GRIM -.0083 -.0606 .0083 .0587 .0184 -.0044 .6 .3 -.1 93: 1

Velocities
S001 1 PASB C GRIM .2459 .0426 -.2305 -.1386 .0145 -.3098 -.1 .0 -.3

12340 MAIDANAK

Positions
S001 1 1863 L CGS .1716 .1916 .1427 -.0828 -.0408 .2792 -.6 -.2 1.5 93: 1
S002 1 1864 L CGS -.0037 -.0013 -.0007 .0029 .0012 -.0025 .3 .1 -.2 96: 73
S002 1 1864 L1 GZ -.0031 -.0020 -.0048 .0021 -.0018 -.0054 .0 .0 -.1 96: 41
S002 1 1864 C GRIM .0083 .0023 -.0159 -.0068 -.0158 -.0058 -.2 -.3 -.1 95:271
S002 1 1864 L CSR -.0034 -.0174 -.0217 -.0037 -.0061 -.0271 .0 .0 -.2 97:178

Velocities
S001 1 1863 L CGS -.0271 -.0067 -.0167 .0223 -.0026 -.0235 .0 .0 .0
S002 1 1864 L CGS -.0065 -.0199 -.0229 -.0018 -.0049 -.0306 -.2 -.3 -2.1
S002 1 1864 L1 GZ .0063 -.0218 -.0202 -.0144 -.0047 -.0263 -.3 -.1 -.6
S002 1 1864 C GRIM -.0020 -.0047 -.0042 .0000 .0000 -.0066 .0 .0 -.7
S002 1 1864 L CSR -.0022 -.0220 -.0255 -.0065 -.0067 -.0324 -.1 -.1 -.4

12341 OMSOMOLSK-NA-MUR

Positions
S001 1 1868 L DUT -.0408 -.1130 -.0537 .1103 .0029 -.0717 .3 .0 -.2 96: 53
S001 1 1868 L1 GZ -.0173 .0035 .0287 .0093 .0066 .0317 .1 .0 .1 96:305
S001 1 1868 C GRIM -.0379 -.1020 .0312 .1002 .0525 -.0026 .1 .0 .0 96:305
S001 1 1868 L CSR .0926 -.0385 -.0652 -.0354 .0313 -.1099 -.2 .1 -.4 97: 75

Velocities
S001 1 1868 L DUT .0633 .0753 -.0675 -.0982 -.0470 -.0488 -.3 -.1 -.2
S001 1 1868 L1 GZ .0405 .0752 -.0180 -.0825 -.0285 .0000 -.9 -.4 .0
S001 1 1868 C GRIM .0089 -.0171 -.0016 .0064 .0130 -.0127 .6 1.3 -1.3
S001 1 1868 L CSR .0286 .0992 .0040 -.0918 -.0339 .0330 -.7 -.2 .2

12342 USSURIISK

Positions
S001 1 7247 R GSFC -.0898 -.0231 .1975 .0824 .1125 .1678 .3 .4 .6 92: 74

Velocities
S001 1 7247 R GSFC -.0006 -.0063 .0044 .0047 .0062 .0000 .6 .8 .0

12344 EVPATORIA

Positions
S001 1 1867 L DUT -.0723 .0950 -.2458 .1191 -.1670 -.1805 .1 -.2 -.2 93: 1
S001 1 1867 L1 GZ -.0869 -.0220 -.1233 .0291 -.0267 -.1472 .0 .0 -.1 93: 1

Velocities
S001 1 1867 L DUT .0041 -.0037 -.0014 -.0053 -.0020 .0000 .0 .0 .0
S001 1 1867 L1 GZ -.0148 .0131 .0051 .0190 .0073 -.0001 .0 .0 .0

12348 POLIGAN/BISHKEK

Positions
M001 1 POL2 P CODE .0012 -.0019 .0019 -.0017 .0024 .0002 -.6 .6 .0 97:256
M001 1 POL2 P NRCAN -.0004 .0000 .0002 .0004 .0003 .0001 .3 .1 .0 97:259

Velocities
M001 1 POL2 P CODE -.0001 .0012 .0016 .0005 .0005 .0019 .2 .1 .3
M001 1 POL2 P NRCAN .0008 -.0007 -.0002 -.0009 .0002 -.0005 -.4 .1 -.1

12349 KRASNOYARSK

Positions

M002 1 KSTU P CODE	.0003	-.0008	.0034	-.0002	.0026	.0024	-.1	.4	.3	98: 15
M002 1 KSTU P NRCAN	.0003	-.0002	.0004	-.0002	.0004	.0002	-.2	.1	.0	98: 54

Velocities

M002 1 KSTU P CODE	-.0020	.0049	.0066	.0018	-.0005	.0082	.3	.0	.3
M002 1 KSTU P NRCAN	.0018	-.0096	-.0117	-.0013	.0015	-.0151	-.3	.1	-1.2

12350 SVETLOE

Positions

M001 1 SVTL P EUR	-.0005	-.0003	-.0005	.0000	.0002	-.0008	.0	.1	-.1	97:341
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Velocities

M001 1 SVTL P EUR	.0004	-.0006	.0000	-.0008	.0000	.0001	-.1	.0	.0
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12351 ZELENCHUKSKAYA

Positions

M001 1 ZECK P CODE	.0016	-.0017	.0014	-.0024	.0010	.0010	-.5	.2	.2	98: 62
M001 1 ZECK P GFZ	-.0032	-.0071	-.0096	-.0032	-.0020	-.0117	-.1	-.1	-.4	97:317
M001 1 ZECK P EUR	.0006	.0004	.0015	-.0001	.0007	.0015	.0	.1	.3	98: 31

Velocities

M001 1 ZECK P CODE	.0078	.0109	.0105	.0030	-.0015	.0167	.1	-.1	.7
M001 1 ZECK P GFZ	.0001	-.0003	-.0001	-.0003	.0000	-.0001	-.3	.0	-.1
M001 1 ZECK P EUR	-.0024	.0060	.0017	.0061	-.0003	.0028	.4	.0	.1

12352 SELEZASCHITA

Positions

M001 1 SELE P CODE	.0011	.0012	.0060	-.0008	.0034	.0052	-.2	.4	.6	98:120
M001 1 SELE P NRCAN	.0003	-.0003	-.0002	-.0004	.0000	-.0003	-.2	.0	-.1	98: 62

Velocities

M001 1 SELE P CODE	.0053	-.0093	-.0048	-.0072	.0018	-.0090	-.3	.1	-.4
M001 1 SELE P NRCAN	-.0005	-.0030	-.0027	-.0002	.0001	-.0041	.0	.0	-.3

12353 YAKUTSK

Positions

M001 1 YAKA P CODE	-.0007	.0004	.0035	.0003	.0010	.0035	.1	.2	.4	98:114
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Velocities

M001 1 YAKA P CODE	.0089	-.0233	.0026	.0080	.0221	-.0088	.3	.9	-.4
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12354 MAGADAN

Positions

M001 1 MAGO P CODE	-.0001	-.0004	.0021	.0004	.0011	.0018	.1	.2	.2	98:121
M001 1 MAGO P NRCAN	-.0004	.0000	.0017	.0001	.0006	.0016	.1	.1	.3	98:145

Velocities

M001 1 MAGO P CODE	.0067	-.0055	-.0038	.0016	.0054	-.0076	.1	.2	-.3
M001 1 MAGO P NRCAN	.0111	-.0125	-.0142	.0055	.0064	-.0202	.3	.2	-.5

12355 PETROPVLOVSK-KA

Positions

M001 1 PETR P CODE	-.0005	-.0001	.0030	.0002	.0014	.0026	.0	.2	.3	98:117
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Velocities

M001 1 PETR P CODE	.0140	-.0224	.0043	.0157	.0195	-.0093	.6	.8	-.4
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12356 GOLOSIV

Positions

M001 1 GLSV P CODE	.0016	-.0010	.0023	-.0017	.0008	.0023	-.3	.1	.2 98:144
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Velocities

M001 1 GLSV P CODE	-.0016	-.0007	.0014	.0002	.0022	-.0001	.0	.2	.0
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12358 BISHKEK

Positions

M001 1 BISH P GFZ	-.0028	-.0001	-.0015	.0026	-.0005	-.0016	.5	-.1	-.2 97: 91
M001 1 BISH P NRCAN	-.0008	-.0003	.0007	.0007	.0008	.0001	.1	.1	.0 97:333

Velocities

M001 1 BISH P GFZ	.0049	.0038	-.0018	-.0038	-.0047	.0024	-.4	-.4	.2
M001 1 BISH P NRCAN	-.0004	.0005	.0026	.0005	.0017	.0020	.1	.1	.1

12602 DIONYSOS

Positions

M002 1 7515 TIE12602	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M002 1 7515 L CGS	.0035	.0054	.0012	.0035	-.0023	.0050	.3	-.1	.3 88: 8
M002 1 7515 L DUT	-.0021	.0014	.0198	.0021	.0164	.0111	.1	.6	.4 88:179
M002 1 7515 L GSFC	.0050	.0055	.0014	.0030	-.0031	.0062	.2	-.2	.4 88:102
M002 1 7515 C GRIM	-.0052	.0080	-.0089	.0094	-.0061	-.0067	.4	-.3	-.3 93: 1
M002 1 7515 L CSR	.0011	.0017	-.0003	.0011	-.0013	.0012	.1	-.1	.1 88:228
S001 1 7940 L CSR	.0036	-.0014	-.0053	-.0028	-.0058	-.0011	.0	.0	.0 84:181
S011 1 DIOA TIE12602	.0002	.0000	.0002	-.0001	.0000	.0003	.0	.0	.0 93: 1
S011 1 DIOA C GRIM	-.0126	.0161	-.0056	.0199	-.0013	-.0074	.9	-.1	-.4 93:230
S011 1 DIOA D GRGS	-.0108	-.0097	-.0192	-.0044	-.0066	-.0227	-.1	-.2	-.7 95:208
S011 1 DIOA D IGN	-.0206	-.0199	.0167	-.0098	.0298	-.0109	-.1	.7	-.2 96: 69
S011 1 DIOA D CSR	.0373	.0320	.0022	.0141	-.0273	.0384	.2	-.4	.5 95:101

Velocities

M002 1 7515 L CGS	.0081	-.0031	.0006	-.0062	-.0033	.0052	-.6	-.2	.4
M002 1 7515 L DUT	.0029	.0047	-.0030	.0031	-.0052	.0018	.3	-.5	.2
M002 1 7515 L GSFC	.0036	.0031	.0058	.0014	.0017	.0072	.1	.2	.8
M002 1 7515 C GRIM	.0089	.0092	-.0087	.0048	-.0142	.0039	.0	.0	.0
M002 1 7515 L CSR	.0033	.0018	.0031	.0003	.0001	.0049	.0	.0	.4
S001 1 7940 L CSR	.0021	-.0023	.0013	-.0029	.0004	.0016	.0	.0	.0
S011 1 DIOA C GRIM	.0023	-.0011	.0008	-.0019	-.0004	.0018	-.4	-.1	.4
S011 1 DIOA D GRGS	.0092	.0185	-.0012	.0132	-.0108	.0118	.3	-.3	.3
S011 1 DIOA D IGN	-.0040	.0126	-.0028	.0131	-.0031	-.0006	.3	-.1	.0
S011 1 DIOA D CSR	.0074	-.0123	.0022	-.0142	.0007	.0028	-.1	.0	.0

12612 ASKITES

Positions

M001 1 7510 L CGS	-.0051	.0009	-.0044	.0030	-.0006	-.0061	.2	.0	-.3 88:144
M001 1 7510 L DUT	-.0059	.0024	.0206	.0047	.0184	.0102	.2	.7	.4 88:284
M001 1 7510 L GSFC	.0033	.0040	.0029	.0022	-.0009	.0055	.1	-.1	.4 88:194
M001 1 7510 C GRIM	-.0093	.0098	-.0121	.0128	-.0064	-.0111	.7	-.2	-.4 89: 84
M001 1 7510 L CSR	-.0009	.0042	-.0033	.0042	-.0032	-.0014	.3	-.2	-.1 88:340

Velocities

M001 1 7510 L CGS	.0092	-.0012	.0099	-.0050	.0024	.0124	-.7	.2	1.1
M001 1 7510 L DUT	-.0009	-.0001	-.0066	.0003	-.0044	-.0050	.0	-.4	-.5
M001 1 7510 L GSFC	.0019	.0011	-.0010	.0002	-.0022	.0010	.0	-.3	.1

M001 1 7510 C GRIM	.0052	-.0023	.0010	-.0044	-.0016	.0035	-.6	-.2	.4
M001 1 7510 L CSR	.0041	.0022	.0059	.0003	.0014	.0073	.0	.1	.6

12613 ROUMELLI

Positions

M001 1 7517 L CGS	.0050	.0078	.0086	.0050	.0025	.0114	.4	.2	.7 88:187
M001 1 7517 L DUT	-.0001	-.0044	.0223	-.0040	.0193	.0114	-.2	.7	.5 88: 87
M001 1 7517 L GSFC	.0021	.0044	-.0010	.0031	-.0030	.0025	.2	-.2	.2 88:128
M001 1 7517 C GRIM	-.0041	.0096	-.0145	.0104	-.0120	-.0082	.4	-.3	-.2 88: 86
M001 1 7517 L CSR	.0031	.0024	.0008	.0009	-.0016	.0036	.1	-.1	.2 88:326

Velocities

M001 1 7517 L CGS	.0019	-.0007	.0002	-.0014	-.0007	.0012	-.2	-.1	.1
M001 1 7517 L DUT	-.0062	-.0018	-.0018	.0010	.0023	-.0063	.1	.2	-.5
M001 1 7517 L GSFC	.0017	-.0008	.0023	-.0014	.0012	.0023	-.2	.1	.3
M001 1 7517 C GRIM	.0080	-.0041	.0014	-.0071	-.0021	.0053	-.8	-.2	.6
M001 1 7517 L CSR	.0021	.0000	.0017	-.0009	.0002	.0026	-.1	.0	.3

12614 KARITSA

Positions

M001 1 7520 L CGS	-.0085	.0035	-.0017	.0063	.0030	-.0063	.3	.1	-.2 87:176
M001 1 7520 L DUT	-.0021	.0067	.0325	.0070	.0248	.0211	.3	.9	.8 91:201
M001 1 7520 L GSFC	.0119	.0056	.0139	.0011	.0023	.0189	.0	.1	.8 89:349
M001 1 7520 L1 GZ	.0056	-.0092	-.0153	-.0106	-.0131	-.0082	-.4	-.6	-.4 93: 1
M001 1 7520 C GRIM	-.0058	.0058	-.0129	.0074	-.0077	-.0108	.4	-.3	-.4 92: 8
M001 1 7520 L CSR	-.0058	.0021	-.0039	.0040	.0000	-.0061	.3	.0	-.3 91:314

Velocities

M001 1 7520 L CGS	.0061	.0087	.0131	.0059	.0044	.0151	.5	.2	.8
M001 1 7520 L DUT	.0001	-.0008	-.0033	-.0008	-.0024	-.0022	-.1	-.4	-.4
M001 1 7520 L GSFC	-.0018	-.0008	-.0020	-.0002	-.0003	-.0028	.0	.0	-.4
M001 1 7520 L1 GZ	-.0177	.0180	.0097	.0231	.0140	-.0017	.0	.0	.0
M001 1 7520 C GRIM	.0037	-.0033	.0014	-.0044	-.0004	.0026	-1.1	-.1	.5
M001 1 7520 L CSR	-.0012	-.0003	.0005	.0001	.0012	-.0007	.0	.2	-.1

12615 KATAVIA

Positions

M001 1 7512 L CGS	.0148	.0094	.0141	.0014	.0012	.0225	.1	.1	1.2 89:169
M001 1 7512 L DUT	-.0036	-.0048	.0167	-.0026	.0167	.0054	-.1	.6	.2 89:220
M001 1 7512 L GSFC	.0050	-.0005	.0025	-.0028	-.0005	.0048	-.1	.0	.2 89: 1
M001 1 7512 C GRIM	.0040	.0171	.0113	.0133	.0024	.0160	.7	.1	.7 90: 98
M001 1 7512 L CSR	.0036	.0048	-.0015	.0025	-.0044	.0035	.2	-.2	.2 89:173

Velocities

M001 1 7512 L CGS	.0014	-.0019	.0037	-.0023	.0028	.0024	-.4	.3	.3
M001 1 7512 L DUT	-.0042	.0003	-.0054	.0022	-.0022	-.0061	.3	-.2	-.7
M001 1 7512 L GSFC	.0041	-.0008	.0049	-.0026	.0020	.0055	-.2	.2	.4
M001 1 7512 C GRIM	.0086	.0000	.0027	-.0040	-.0022	.0077	-.7	-.3	1.2
M001 1 7512 L CSR	-.0007	.0010	-.0012	.0012	-.0009	-.0008	.2	-.1	-.1

12616 XRISOKALARIA

Positions

M001 1 7525 L CGS	-.0002	.0052	.0002	.0049	-.0009	.0015	.4	-.1	.1 90: 15
M001 1 7525 L DUT	-.0004	.0046	.0249	.0044	.0192	.0160	.2	.8	.7 90:280
M001 1 7525 L GSFC	.0005	.0005	.0003	.0003	-.0002	.0006	.0	.0	.1 91:103
M001 1 7525 C GRIM	-.0075	.0134	-.0116	.0152	-.0081	-.0085	.5	-.2	-.2 89:270
M001 1 7525 L CSR	-.0026	-.0001	.0005	.0009	.0019	-.0017	.1	.1	-.1 90:261

Velocities

M001 1 7525 L CGS	-.0019	-.0027	-.0011	-.0018	.0007	-.0029	-.4	.1	-.4
M001 1 7525 L DUT	-.0003	.0027	.0009	.0026	.0002	.0011	.4	.0	.2
M001 1 7525 L GSFC	-.0007	.0001	-.0014	.0003	-.0007	-.0013	.1	-.2	-.3
M001 1 7525 C GRIM	.0034	-.0040	.0022	-.0050	.0008	.0027	-.7	.1	.4
M001 1 7525 L CSR	-.0006	-.0003	-.0009	.0000	-.0004	-.0011	.0	-.1	-.2

12706 LAMPEDUSA

Positions

M001 1 7544 L CGS	.0081	.0075	.0084	.0056	.0013	.0127	.4	.0	.5 88:332
M001 1 7544 L DUT	.0000	.0068	.0352	.0066	.0278	.0216	.3	1.0	.9 90:169
M001 1 7544 L GSFC	.0083	.0083	.0045	.0063	-.0021	.0106	.3	-.1	.3 89: 92
M001 1 7544 C GRIM	.0028	.0125	.0011	.0116	-.0023	.0051	.5	-.1	.1 89:111
M001 1 7544 L CSR	-.0010	-.0004	.0022	-.0002	.0024	.0004	.0	.1	.0 89:310

Velocities

M001 1 7544 L CGS	-.0061	-.0107	-.0068	-.0091	-.0007	-.0107	-.9	.0	-.5
M001 1 7544 L DUT	-.0032	.0001	-.0031	.0008	-.0007	-.0043	.1	-.1	-.4
M001 1 7544 L GSFC	.0093	-.0007	.0038	-.0027	-.0021	.0094	-.2	-.1	.5
M001 1 7544 C GRIM	.0088	-.0090	.0004	-.0107	-.0035	.0057	-1.2	-.4	.6
M001 1 7544 L CSR	-.0043	.0009	-.0012	.0018	.0013	-.0039	.3	.1	-.3

12711 BOLOGNA

Positions

M002 1 7546 TIE12711	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M002 1 7546 L DUT	-.0118	-.0969	.0406	-.0925	.0508	.0063	-.5	.4	.1 93: 1
M002 1 7546 L CSR	-.0342	-.1119	-.0655	-.1027	-.0074	-.0859	-1.1	.0	-.5 88:149
M003 1 MEDI TIE12711	-.0020	.0023	.0004	.0026	.0013	-.0008	.0	.0	.0 93: 1
M003 1 MEDI P CODE	.0070	-.0030	.0068	-.0044	.0005	.0092	-.8	.0	.6 98:145
M003 1 MEDI P EUR	.0026	-.0003	.0025	-.0009	.0000	.0035	-.6	.0	1.4 97:111
S001 1 7230 TIE12711	.0009	-.0010	-.0043	-.0012	-.0035	-.0026	.0	.0	.0 93: 1
S001 1 7230 R GSFC	.0021	.0013	.0027	.0008	.0004	.0035	.6	.1	1.0 94: 28
S001 1 7230 R USNO	.0018	.0013	.0039	.0009	.0013	.0042	.7	.4	1.2 94:101
S001 1 7230 R NOAA	.0003	.0005	.0015	.0004	.0008	.0013	.1	.2	.3 92: 28
S001 1 7230 R GIUB	-.0028	.0000	.0002	.0006	.0020	-.0018	.3	.7	-.7 93:297
S001 2 7230 R GSFC	.0001	.0008	.0010	.0008	.0006	.0009	.5	.1	.2 97: 1
S001 2 7230 R USNO	.0029	.0003	.0032	-.0003	.0002	.0043	-.2	.1	1.1 97: 1

Velocities

M002 1 7546 L DUT	-.0052	.0031	-.0012	.0041	.0022	-.0040	.0	.0	.0
M002 1 7546 L CSR	-.0200	-.0041	-.0078	.0001	.0088	-.0200	.0	.0	-.1
M003 1 MEDI P CODE	-.0042	-.0016	-.0034	-.0007	.0007	-.0055	-.1	.1	-.6
M003 1 MEDI P EUR	-.0035	-.0059	-.0003	-.0051	.0030	-.0035	-3.5	.8	-.9
S001 1 7230 R GSFC	.0003	.0003	.0002	.0003	-.0001	.0004	.7	-.1	.4
S001 1 7230 R USNO	.0010	.0006	.0000	.0004	-.0007	.0008	1.1	-.8	.9
S001 1 7230 R NOAA	-.0008	.0002	.0000	.0004	.0005	-.0005	.5	.4	-.3
S001 1 7230 R GIUB	.0005	.0005	.0005	.0004	-.0001	.0008	.8	.0	.7
S001 2 7230 R GSFC	-.0177	.0200	.0088	.0232	.0156	-.0033	.0	.0	.0
S001 2 7230 R USNO	-.0188	.0199	.0093	.0233	.0168	-.0037	.0	.0	.0

12717 NOTO

Positions

M001 1 7543 TIE12717	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M001 1 7543 L CGS	.0262	.0053	-.0135	-.0016	-.0268	.0132	-.1	-.9	.5 92: 80
M001 1 7543 L DUT	-.0066	-.0033	-.0052	-.0015	.0002	-.0089	-.1	.0	-.3 92:150
M001 1 7543 C GRIM	-.0007	.0051	-.0225	.0051	-.0184	-.0130	.3	-.5	-.4 91:240
M001 1 7543 L CSR	-.0147	.0028	-.0059	.0065	.0034	-.0143	.5	.1	-.6 92:124
M003 1 NOTO TIE12717	-.0015	.0011	.0027	.0014	.0029	.0007	.0	.0	.0 93: 1
M003 1 NOTO P CODE	.0062	.0010	.0050	-.0007	.0002	.0080	-.1	.0	.4 98:139
M003 1 NOTO P NRCAN	-.0092	-.0043	-.0082	-.0017	-.0006	-.0129	-.7	-.1	-3.0 97: 23
M003 1 NOTO P EUR	.0009	.0001	.0008	-.0001	.0001	.0012	-.1	.0	.3 97:155

S001 1 7547 TIE12717	.0066	-.0047	-.0127	-.0063	-.0132	-.0035	.0	.0	.0	93: 1
S001 1 7547 R GSFC	.0009	.0013	.0019	.0010	.0008	.0021	.4	.2	.4	95: 86
S001 1 7547 R USNO	.0077	.0028	.0083	.0007	.0018	.0115	.3	.4	2.2	95:186
S001 1 7547 R NOAA	.0050	.0049	.0068	.0034	.0018	.0089	.7	.3	1.5	91:351
S001 1 7547 R GIUB	-.0011	.0008	.0021	.0011	.0022	.0005	.4	.6	.1	94:300

Velocities

M001 1 7543 L CGS	.0096	.0006	-.0030	-.0019	-.0081	.0057	-.2	-.4	.3
M001 1 7543 L DUT	-.0013	-.0058	.0016	-.0053	.0029	-.0013	-.3	.2	-.1
M001 1 7543 C GRIM	.0033	-.0028	-.0018	-.0035	-.0029	.0009	-.4	-.3	.1
M001 1 7543 L CSR	-.0054	-.0061	-.0019	-.0045	.0026	-.0066	-.4	.1	-.4
M003 1 NOTO P CODE	-.0006	-.0006	-.0011	-.0005	-.0004	-.0013	.0	.0	-.1
M003 1 NOTO P NRCAN	.0058	.0032	.0075	.0016	.0021	.0097	.5	.4	1.9
M003 1 NOTO P EUR	-.0022	.0000	.0005	.0006	.0017	-.0014	.3	.3	-.3
S001 1 7547 R GSFC	.0009	.0003	.0008	.0001	.0001	.0012	.2	.1	1.3
S001 1 7547 R USNO	.0011	.0002	.0001	-.0001	-.0006	.0010	-.2	-.6	1.0
S001 1 7547 R NOAA	.0019	.0013	.0010	.0008	-.0005	.0023	.5	-.2	.8
S001 1 7547 R GIUB	.0006	.0003	.0014	.0001	.0007	.0014	.1	.5	.9

12718 TRIESTE

Positions

M002 1 7550 L CGS	-.0417	-.0080	-.0627	.0023	-.0135	-.0745	.1	-.2	-1.3	93: 1
M002 1 7550 L DUT	-.0145	.0291	.0865	.0318	.0656	.0569	.5	1.3	1.1	86:357
M002 1 7550 C GRIM	-.0358	.0481	.0308	.0553	.0381	.0058	.2	.1	.0	86:215
M002 1 7550 L CSR	.0060	.0149	.0236	.0130	.0098	.0234	.3	.1	.3	87: 5

Velocities

M002 1 7550 L CGS	-.0198	.0162	-.0022	.0204	.0095	-.0123	.0	.0	.0
M002 1 7550 L DUT	-.0034	-.0028	-.0206	-.0019	-.0116	-.0175	.0	-.3	-.5
M002 1 7550 C GRIM	.0126	.0055	.0230	.0023	.0064	.0259	.2	.6	2.6
M002 1 7550 L CSR	.0061	.0010	.0025	-.0005	-.0026	.0061	.0	.0	.1

12725 CAGLIARI

Positions

M002 1 7545 TIE12725	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M002 1 7545 L CGS	-.0106	.0018	-.0080	.0034	.0003	-.0130	.2	.0	-.4	92: 23
M002 1 7545 L DUT	-.0082	.0055	.0300	.0067	.0278	.0133	.3	1.0	.5	89:360
M002 1 7545 L GSFC	.0085	.0031	-.0064	.0017	-.0105	.0028	.1	-.7	.2	89:363
M002 1 7545 C GRIM	.0023	.0038	-.0025	.0034	-.0037	.0007	.1	-.1	.0	93: 1
M002 1 7545 L CSR	.0036	-.0018	.0032	-.0023	.0004	.0045	-.2	.0	.2	89:244
M003 1 CAGL TIE12725	.0000	-.0001	-.0001	-.0001	-.0001	-.0001	.0	.0	.0	93: 1
M003 1 CAGL P CODE	.0088	-.0007	.0065	-.0021	-.0004	.0107	-.5	.0	.9	98:143
M003 1 CAGL P EUR	.0005	.0000	.0004	-.0001	.0000	.0006	-.1	.0	.2	97:132
S013 1 7548 L CGS	.0162	.0012	.0176	-.0014	.0034	.0236	-.1	.1	.7	93: 1
S013 1 7548 L1 GZ	-.0160	.0274	.0080	.0296	.0135	-.0039	.3	.1	.0	96:130
S013 1 7548 C GRIM	.0051	.0251	.0138	.0240	.0050	.0157	.4	.0	.1	95:227
S013 1 7548 L CSR	.0097	-.0005	.0134	-.0020	.0044	.0159	.0	.0	.0	97:314

Velocities

M002 1 7545 L CGS	.0052	-.0036	-.0011	-.0043	-.0037	.0029	-.5	-.2	.2
M002 1 7545 L DUT	.0002	-.0001	-.0009	-.0002	-.0008	-.0005	.0	-.1	-.1
M002 1 7545 L GSFC	.0014	-.0012	.0002	-.0014	-.0006	.0011	-.2	-.1	.2
M002 1 7545 C GRIM	-.0099	.0180	.0120	.0194	.0137	.0022	.0	.0	.0
M002 1 7545 L CSR	-.0080	.0046	-.0024	.0058	.0027	-.0071	1.0	.3	-.8
M003 1 CAGL P CODE	-.0041	.0059	.0029	.0065	.0042	-.0006	.5	.5	-.1
M003 1 CAGL P EUR	.0001	-.0007	.0006	-.0007	.0004	.0003	-.5	.1	.1
S013 1 7548 L CGS	-.0128	.0203	.0113	.0221	.0148	-.0002	.0	.0	.0
S013 1 7548 L1 GZ	.0215	.0091	.0214	.0057	.0023	.0311	.1	.0	.6
S013 1 7548 C GRIM	.0014	-.0024	.0003	-.0026	-.0004	.0010	-.4	-.1	.1
S013 1 7548 L CSR	-.0267	.0287	-.0135	.0325	.0033	-.0255	.2	.0	-.1

12734 MATERA

Positions

M004	1	7541	TIE12734	-.0036	-.0061	.0050	-.0048	.0072	-.0007	.0	.0	.0	93:	1
M004	1	7541	L CGS	.0193	.0093	.0168	.0034	-.0011	.0270	.2	.0	.9	93:	1
M004	1	7541	C GRIM	.0177	.0050	-.0042	-.0003	-.0151	.0112	.0	-.6	.5	93:	1
M004	1	7541	L CSR	.0099	.0065	-.0065	.0034	-.0123	.0044	.2	-.4	.1	89:314	
M005	1	7540	TIE12734	-.0034	-.0056	.0048	-.0044	.0068	-.0006	.0	.0	.0	93:	1
M005	1	7540	L CGS	.0258	.0044	.0123	-.0032	-.0076	.0277	-.1	-.2	.6	93:	1
M005	1	7540	C GRIM	.0211	.0003	.0006	-.0058	-.0128	.0158	-.2	-.5	.6	93:	1
M005	1	7540	L CSR	.0143	-.0062	-.0164	-.0101	-.0202	-.0016	-.2	-.3	.0	86:	43
M008	1	MATE	TIE12734	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93:	1
M008	1	MATE	P CODE	-.0008	-.0013	-.0001	-.0010	.0007	-.0010	-.5	.2	-.3	96:354	
M008	1	MATE	P GFZ	-.0104	-.0063	-.0030	-.0030	.0054	-.0109	-.7	1.0	-2.0	96:	68
M008	1	MATE	P NRCAN	.0012	.0009	.0015	.0005	.0003	.0020	.5	.1	1.1	97:246	
M008	1	MATE	P EUR	-.0011	-.0010	-.0012	-.0007	-.0001	-.0018	-.5	.0	-.8	97:132	
M008	1	MATE	P JPL	.0012	.0009	.0006	.0005	-.0004	.0015	.1	-.1	.3	97:182	
S001	1	7939	TIE12734	-.0032	-.0058	.0045	-.0046	.0065	-.0007	.0	.0	.0	93:	1
S001	1	7939	L CGS	.0119	.0077	.0175	.0040	.0044	.0217	1.3	.9	4.5	92:	3
S001	1	7939	L DUT	-.0116	-.0059	.0087	-.0023	.0149	-.0040	-.2	.9	-.2	92:134	
S001	1	7939	L GSFC	-.0018	.0018	-.0109	.0022	-.0075	-.0080	.5	-1.6	-1.8	89:	64
S001	1	7939	L1 GZ	-.0139	-.0077	-.0091	-.0034	.0032	-.0177	-.1	.1	-.6	95:288	
S001	1	7939	C GRIM	.0186	.0112	.0051	.0054	-.0098	.0193	.9	-1.2	2.3	90:330	
S001	1	7939	L CSR	.0207	.0091	.0154	.0028	-.0029	.0271	.6	-.5	4.9	91:193	
S005	1	7243	TIE12734	.0124	-.0061	-.0006	-.0094	-.0071	.0073	.0	.0	.0	93:	1
S005	1	7243	R GSFC	.0017	.0014	.0026	.0009	.0006	.0033	.5	.2	.9	95:259	
S005	1	7243	R USNO	.0022	.0009	.0033	.0003	.0010	.0040	.2	.3	1.2	95:237	
S005	1	7243	R NOAA	.0022	.0025	.0068	.0017	.0033	.0065	.4	.7	1.4	93:	24
S005	1	7243	R GIUB	-.0042	-.0004	-.0017	.0008	.0014	-.0042	.4	.5	-1.6	94:234	

Velocities

M004	1	7541	L CGS	-.0199	.0199	.0137	.0248	.0191	-.0012	.0	.0	.0		
M004	1	7541	C GRIM	-.0166	.0180	.0143	.0220	.0178	.0011	.0	.0	.0		
M004	1	7541	L CSR	-.0020	-.0002	.0001	.0004	.0014	-.0014	.1	.2	-.2		
M005	1	7540	L CGS	-.0199	.0199	.0137	.0248	.0191	-.0012	.0	.0	.0		
M005	1	7540	C GRIM	-.0166	.0180	.0143	.0220	.0178	.0011	.0	.0	.0		
M005	1	7540	L CSR	.0048	-.0174	-.0039	-.0180	-.0027	-.0029	-.1	.0	.0		
M008	1	MATE	P CODE	.0003	.0004	.0001	.0003	-.0002	.0003	.5	-.2	.4		
M008	1	MATE	P GFZ	.0040	.0025	-.0006	.0013	-.0035	.0031	.5	-1.3	1.1		
M008	1	MATE	P NRCAN	-.0027	.0004	-.0026	.0011	-.0003	-.0036	.8	-.1	-1.4		
M008	1	MATE	P EUR	.0005	.0011	.0012	.0009	.0004	.0014	.8	.3	.8		
M008	1	MATE	P JPL	.0010	.0018	.0013	.0014	.0000	.0019	.4	.0	.4		
S001	1	7939	L CGS	-.0030	-.0015	-.0012	-.0006	.0012	-.0033	-.7	.9	-2.5		
S001	1	7939	L DUT	-.0001	.0007	-.0018	.0007	-.0014	-.0011	.3	-.5	-.4		
S001	1	7939	L GSFC	-.0005	-.0006	.0003	-.0004	.0006	-.0003	-.3	.5	-.2		
S001	1	7939	L1 GZ	-.0011	-.0012	.0037	-.0008	.0037	.0013	.0	.2	.1		
S001	1	7939	C GRIM	.0014	-.0043	-.0009	-.0045	-.0007	-.0005	-2.3	-.4	-.3		
S001	1	7939	L CSR	-.0013	.0001	-.0006	.0005	.0003	-.0013	.3	.2	-.8		
S005	1	7243	R GSFC	.0008	.0002	.0009	-.0001	.0001	.0012	-.2	.2	1.8		
S005	1	7243	R USNO	.0008	.0002	.0002	-.0001	-.0004	.0007	-.2	-.6	1.1		
S005	1	7243	R NOAA	.0032	-.0001	.0028	-.0010	.0002	.0041	-.7	.1	1.6		
S005	1	7243	R GIUB	.0003	-.0003	.0004	-.0004	.0002	.0005	-.6	.2	.4		

12741 VENICE

Positions

M001	1	VENE	P EUR	.0002	-.0004	.0003	-.0004	.0001	.0003	-.2	.0	.1	97:237	
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Velocities

M001	1	VENE	P EUR	-.0016	-.0012	-.0011	-.0008	.0006	-.0021	-.3	.1	-.3		
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12749 MONTE VENDA

Positions

M001 1 7542 L CGS	.0038	.0150	.0113	.0139	.0031	.0127	.6	.1	.3 93: 1
M001 1 7542 L DUT	-.0143	.0147	.0289	.0172	.0282	.0128	.2	.4	.2 93: 1
M001 1 7542 C GRIM	-.0108	.0165	.0105	.0184	.0126	.0024	.0	.0	.0 91:241
M001 1 7542 L CSR	.0211	.0078	.0244	.0034	.0013	.0329	.1	.0	.6 91:173

Velocities

M001 1 7542 L CGS	-.0160	.0213	.0079	.0241	.0137	-.0023	.0	.0	.0
M001 1 7542 L DUT	-.0010	.0039	-.0019	.0041	-.0012	-.0015	.0	.0	.0
M001 1 7542 C GRIM	.0355	.0213	.1306	.0137	.0640	.1204	.1	.6	1.2
M001 1 7542 L CSR	-.0396	.0172	-.0361	.0249	-.0003	-.0505	.1	.0	-.2

12750 PADOVA

Positions

M001 1 UPAD P CODE	.0276	.0064	.0285	.0006	-.0002	.0402	.0	.0	.5 95:152
M002 1 UPAD P CODE	.0001	-.0015	.0011	-.0015	.0009	.0007	-.8	.3	.2 97:103
M002 1 UPAD P NRCAN	.0002	.0000	-.0003	.0000	-.0004	-.0001	.0	-.1	.0 97:244
M002 1 UPAD P EUR	.0002	.0002	.0005	.0001	.0002	.0006	.1	.1	.2 97:122
M002 1 UPAD P JPL	-.0049	-.0002	-.0076	.0008	-.0020	-.0088	.0	.0	-.2 97:150

Velocities

M001 1 UPAD P CODE	-.0013	-.0001	-.0009	.0002	.0003	-.0016	.1	.1	-.4
M002 1 UPAD P CODE	-.0013	-.0001	-.0009	.0002	.0003	-.0016	.1	.1	-.4
M002 1 UPAD P NRCAN	.0007	-.0019	.0022	-.0020	.0014	.0018	-1.1	.3	.3
M002 1 UPAD P EUR	-.0011	-.0011	-.0021	-.0009	-.0005	-.0024	-.5	-.1	-.5
M002 1 UPAD P JPL	.0007	.0002	.0010	.0001	.0002	.0012	.0	.0	.2

13101 BRUSSELS

Positions

M004 1 BRUS P CODE	-.0015	-.0008	-.0010	-.0007	.0006	-.0017	-.4	.2	-.6 96:358
M004 1 BRUS P NRCAN	.0003	.0001	.0006	.0001	.0002	.0007	.2	.1	.3 97:180
M004 1 BRUS P EUR	-.0003	-.0003	-.0003	-.0003	.0000	-.0005	-.3	.0	-.2 97: 72
M004 1 BRUS P JPL	.0016	.0020	.0024	.0019	.0002	.0030	.8	.0	.7 96:201

Velocities

M004 1 BRUS P CODE	.0012	-.0004	.0011	-.0005	-.0002	.0016	-.9	-.1	.8
M004 1 BRUS P NRCAN	-.0003	.0004	.0009	.0005	.0008	.0005	.6	.3	.2
M004 1 BRUS P EUR	-.0003	.0001	.0004	.0001	.0005	.0001	.1	.1	.0
M004 1 BRUS P JPL	-.0010	-.0004	-.0022	-.0003	-.0006	-.0023	-.2	-.2	-.7

13112 DENTERGEM

Positions

M001 1 DENT P EUR	-.0002	-.0001	.0000	-.0001	.0001	-.0001	-.1	.0	.0 97: 50
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Velocities

M001 1 DENT P EUR	.0008	.0002	.0008	.0002	-.0001	.0011	.1	.0	.3
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13113 DOURBES

Positions

M001 1 DOUR P EUR	.0000	.0000	.0001	.0000	.0001	.0001	.0	.0	.0 97: 94
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Velocities

M001 1 DOUR P EUR	.0006	.0001	.0008	.0000	.0000	.0010	.0	.0	.3
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13114 WAREMME

Positions

M001 1 WARE P EUR	-.0001	-.0001	.0000	-.0001	.0001	.0000	-.1	.0	.0 97: 69
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Velocities

M001 1 WARE P EUR .0007 .0002 .0007 .0001 -.0001 .0010 .1 .0 .2

13201 CHILBOLTON

Positions

S002 1 7215 R GSFC .0108 .0004 .0166 .0006 .0020 .0197 .1 .1 .8 80:297
 S002 1 7215 R USNO -.0701 .0023 -.0634 .0005 .0148 -.0934 .1 .2 -1.4 97: 1
 S002 1 7215 R NOAA .0082 .0052 -.0096 .0054 -.0123 -.0025 .6 -.5 -.1 93: 1

Velocities

S002 1 7215 R GSFC .0013 .0002 -.0010 .0002 -.0016 .0000 .0 -.2 .0
 S002 1 7215 R USNO -.0010 .0000 -.0001 -.0001 .0007 -.0007 .0 .0 .0
 S002 1 7215 R NOAA .0008 .0003 -.0009 .0003 -.0012 -.0002 .0 .0 .0

13212 HERSTIMONCEUX

Positions

M007 1 HERS TIE13212 .0024 -.0044 .0003 -.0044 -.0016 .0017 .0 .0 .0 93: 1
 M007 1 HERS P CODE -.0041 .0004 -.0039 .0005 .0007 -.0057 .3 .2 -1.5 95:337
 M007 1 HERS P NRCAN -.0002 .0003 -.0005 .0003 -.0002 -.0005 .3 .0 -.1 96:315
 M007 1 HERS P EUR -.0002 -.0007 -.0002 -.0007 .0001 -.0003 -.6 .0 -.1 96:340
 M007 1 HERS P JPL .0015 .0014 .0013 .0014 -.0004 .0020 .5 -.1 .5 95:184
 S001 1 7840 TIE13212 .0000 .0000 .0000 .0000 .0000 .0000 .0 .0 .0 93: 1
 S001 1 7840 L CGS -.0082 .0017 -.0057 .0017 .0027 -.0096 .0 .0 .0 93: 1
 S001 1 7840 L DUT -.0041 -.0014 .0180 -.0014 .0145 .0114 -.1 1.0 .7 92:366
 S001 1 7840 L GSFC .0062 .0017 -.0001 .0017 -.0049 .0038 .4 -1.2 1.0 90: 95
 S001 1 7840 L1 GZ -.0001 -.0010 -.0010 -.0010 -.0006 -.0008 -.3 -.2 -.2 95:238
 S001 1 7840 C GRIM .0030 -.0011 -.0078 -.0011 -.0072 -.0042 -.8 -1.9 -1.0 93: 36
 S001 1 7840 L CSR -.0051 .0040 -.0061 .0041 .0000 -.0079 1.2 .0 -2.5 92:116

Velocities

M007 1 HERS P CODE .0011 -.0008 .0008 -.0008 -.0004 .0013 -1.0 -.1 .5
 M007 1 HERS P NRCAN .0038 -.0012 .0021 -.0012 -.0016 .0040 -.8 -.2 .6
 M007 1 HERS P EUR .0037 -.0007 .0020 -.0007 -.0016 .0039 -.6 -.3 .7
 M007 1 HERS P JPL -.0002 .0008 -.0002 .0008 .0001 -.0003 .5 .0 -.1
 S001 1 7840 L CGS -.0019 -.0001 -.0013 -.0001 .0006 -.0022 .0 .0 .0
 S001 1 7840 L DUT .0008 .0007 -.0017 .0007 -.0016 -.0008 .3 -.7 -.4
 S001 1 7840 L GSFC -.0001 -.0006 .0002 -.0006 .0002 .0001 -.5 .2 .1
 S001 1 7840 L1 GZ .0005 -.0005 .0012 -.0005 .0004 .0012 -.2 .2 .6
 S001 1 7840 C GRIM .0026 -.0024 .0021 -.0024 -.0007 .0033 -1.7 -.6 2.5
 S001 1 7840 L CSR .0003 .0007 .0016 .0007 .0008 .0014 .4 .6 1.1

13296 CARNUSTY

Positions

M002 1 7603 R GSFC -.0216 .0004 -.0283 -.0006 .0024 -.0355 -.1 .1 -.9 89:234
 M002 1 7603 R USNO -.0159 -.0028 -.0136 -.0036 .0056 -.0201 -.2 .0 -.1 97: 1
 M002 1 7603 R NOAA .0102 .0018 .0046 .0023 -.0059 .0094 .2 -.1 .2 93: 1

Velocities

M002 1 7603 R GSFC .0035 .0017 -.0022 .0019 -.0040 .0000 .2 -.6 .0
 M002 1 7603 R USNO .0003 -.0005 -.0011 -.0005 -.0009 -.0008 .0 .0 .0
 M002 1 7603 R NOAA .0029 .0018 -.0021 .0020 -.0036 -.0002 .0 .0 .0

13402 SAN FERNANDO

Positions

M004 1 SFER TIE13402 .0000 .0000 .0000 .0000 .0000 .0000 .0 .0 .0 93: 1
 M004 1 SFER P EUR -.0239 .0030 -.0175 .0004 .0002 -.0298 .2 .0 -3.6 97: 97
 S004 1 7824 TIE13402 -.0015 .0005 -.0012 .0003 -.0001 -.0020 .0 .0 .0 93: 1
 S004 1 7824 L CGS -.2928 -.2221 -.1724 -.2524 .0201 -.3173 -3.4 .2 -3.2 93: 1
 S004 1 7824 L DUT .0669 -.0206 .0642 -.0132 .0108 .0934 -.3 .3 2.7 97:225

S004 1 7824 L1 GZ	.0837	.0071	.0478	.0161	-.0106	.0947	.2	-.1	1.1	93: 1
S004 1 7824 C GRIM	.0608	-.0246	.0066	-.0179	-.0322	.0547	.0	.0	.1	94: 59
S004 1 7824 L CSR	.0201	-.0154	.0279	-.0132	.0096	.0340	-.2	.1	.3	98: 89

Velocities

M004 1 SFER P EUR	.0049	-.0015	.0028	-.0010	-.0007	.0057	-.3	-.1	.4
S004 1 7824 L CGS	-.0110	.0150	.0119	.0137	.0170	-.0030	.0	.0	.0
S004 1 7824 L DUT	.0477	.0419	.0991	.0468	.0541	.0934	.3	.4	.7
S004 1 7824 L1 GZ	-.0114	.0157	.0141	.0144	.0191	-.0021	.0	.0	.0
S004 1 7824 C GRIM	-.0025	-.0075	-.0004	-.0077	.0007	-.0016	-.8	.1	-.2
S004 1 7824 L CSR	.0107	-.0580	-.0260	-.0565	-.0310	-.0019	-.3	-.1	.0

13406 VILLAFRANCA

Positions

M001 1 VILL P CODE	.0012	-.0012	.0022	-.0012	.0008	.0024	-.6	.2	.5	97:240
M001 1 VILL P GFZ	.0110	-.0025	.0108	-.0018	.0010	.0155	-.2	.0	.7	97:264
M001 1 VILL P NRCAN	.0008	-.0004	.0008	-.0003	.0000	.0012	-.3	.0	.5	97:278
M001 1 VILL P EUR	-.0009	.0005	-.0005	.0004	.0003	-.0011	.3	.1	-.2	97:126
M001 1 VILL P JPL	-.0049	.0009	-.0047	.0005	-.0003	-.0068	.2	-.1	-1.4	96:186

Velocities

M001 1 VILL P CODE	.0000	.0000	-.0005	.0000	-.0003	-.0003	.0	-.3	-.3
M001 1 VILL P GFZ	.0022	.0034	-.0029	.0035	-.0035	-.0004	1.2	-1.0	-.1
M001 1 VILL P NRCAN	.0028	.0007	.0032	.0009	.0007	.0042	.6	.2	1.3
M001 1 VILL P EUR	.0006	.0003	.0007	.0003	.0001	.0009	.3	.1	.5
M001 1 VILL P JPL	.0038	-.0006	.0026	-.0004	-.0005	.0046	-.1	-.1	.9

13407 MADRID

Positions

S003 1 1561 R GSFC	.0942	-.0304	.0949	-.0234	.0098	.1348	-.7	.1	1.1	84:261
S003 1 1561 R USNO	.0348	-.0120	.0639	-.0094	.0255	.0686	-.1	.1	.3	88:233
S010 1 1565 TIE13407	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S010 1 1565 R GSFC	.0040	.0007	.0028	.0010	-.0005	.0048	.8	-.1	.9	94:136
S010 1 1565 R USNO	.0053	.0004	.0047	.0008	.0002	.0070	.7	.0	1.4	94:178
S010 1 1565 R NOAA	.0011	.0019	.0007	.0020	.0000	.0012	.5	.0	.2	91: 5
S010 1 1565 R GIUB	.0006	.0003	.0020	.0004	.0011	.0018	.2	.3	.4	93:332
S010 2 1565 R GSFC	.0019	-.0003	.0020	-.0002	.0003	.0028	-.1	.0	.4	97: 1
S010 2 1565 R USNO	.0044	.0003	.0032	.0006	-.0004	.0054	.4	-.1	.8	97: 1
S012 1 MADR TIE13407	.0084	.0020	-.0069	.0026	-.0105	.0018	.0	.0	.0	93: 1
S012 1 MADR P CODE	-.0128	.0011	-.0092	.0001	.0013	-.0157	.1	.4	-4.8	95:344
S012 1 MADR P EMR	-.0028	.0037	.0079	.0035	.0080	.0028	.9	1.9	.7	96:333
S012 1 MADR P GFZ	-.0221	-.0071	-.0096	-.0087	.0067	-.0226	-1.9	1.0	-3.5	95:133
S012 1 MADR P NRCAN	.0050	-.0025	.0030	-.0022	-.0011	.0059	-1.9	-.4	2.4	97:109
S012 1 MADR P EUR	.0026	-.0009	-.0011	-.0007	-.0025	.0013	-.4	-.5	.2	97: 39
S012 1 MADR P JPL	.0061	-.0006	.0055	-.0002	.0002	.0082	-.1	.1	2.3	94:339
S012 2 MADR P GFZ	.1042	.0003	.0815	.0080	-.0053	.1320	.1	.0	.7	97:326

Velocities

S003 1 1561 R GSFC	-.0001	.0005	-.0003	.0005	-.0002	-.0003	1.1	-.1	-.2
S003 1 1561 R USNO	.0013	.0003	.0002	.0004	-.0006	.0011	1.1	-.5	.9
S010 1 1565 R GSFC	-.0001	.0005	-.0003	.0005	-.0002	-.0003	1.1	-.1	-.2
S010 1 1565 R USNO	.0013	.0003	.0002	.0004	-.0006	.0011	1.1	-.5	.9
S010 1 1565 R NOAA	-.0028	.0005	-.0029	.0003	-.0004	-.0041	.3	-.1	-1.6
S010 1 1565 R GIUB	.0007	.0002	.0005	.0003	.0000	.0008	.5	.0	.5
S010 2 1565 R GSFC	-.0071	.0199	.0129	.0193	.0154	.0018	.0	.0	.0
S010 2 1565 R USNO	-.0075	.0198	.0132	.0192	.0159	.0018	.0	.0	.0
S012 1 MADR P CODE	.0015	.0000	.0014	.0001	.0001	.0021	.1	.0	.7
S012 1 MADR P EMR	-.0024	-.0003	-.0003	-.0004	.0013	-.0020	-.4	1.4	-2.3
S012 1 MADR P GFZ	.0023	.0043	-.0018	.0045	-.0027	.0003	1.6	-.8	.1
S012 1 MADR P NRCAN	.0054	-.0026	.0028	-.0022	-.0015	.0061	-1.6	-.5	2.0
S012 1 MADR P EUR	.0114	-.0023	.0048	-.0014	-.0039	.0119	-.9	-.6	1.9

S012 1 MADR P JPL	-.0004	.0009	-.0011	.0009	-.0005	-.0011	.6	-.2	-.4
S012 2 MADR P GFZ	.0023	.0043	-.0018	.0045	-.0027	.0003	1.5	-.7	.1

13410 ROQUETES

Positions

M001 1 EBRE P CODE	.0078	-.0017	.0065	-.0018	-.0002	.0102	-.6	.0	1.0 98:144
M001 1 EBRE P NRCAN	.0023	-.0008	.0021	-.0008	.0001	.0031	-.4	.0	.5 98:151
M001 1 EBRE P EUR	-.0009	.0002	-.0004	.0002	.0003	-.0009	.2	.1	-.2 97:279

Velocities

M001 1 EBRE P CODE	.0047	.0055	-.0058	.0054	-.0075	-.0002	.4	-.9	.0
M001 1 EBRE P NRCAN	.0168	-.0097	.0098	-.0098	-.0035	.0190	-.5	-.1	.3
M001 1 EBRE P EUR	.0012	.0003	.0022	.0003	.0009	.0024	.2	.1	.3

13420 YEBES

Positions

S001 1 7333 R GSFC	-.0041	.0014	-.0022	.0011	.0010	-.0046	.4	.1	-.4 97: 28
S001 1 7333 R USNO	.0058	-.0010	.0046	-.0007	-.0003	.0075	-.2	.0	.4 97: 35
S001 1 7333 R GIUB	.0019	.0013	.0024	.0014	.0007	.0030	.4	.1	.2 96:331

Velocities

S001 1 7333 R GSFC	.0176	.0022	.0106	.0031	-.0033	.0202	.5	-.2	1.1
S001 1 7333 R USNO	.0325	.0021	.0250	.0038	-.0020	.0408	.6	-.1	2.2
S001 1 7333 R GIUB	-.0024	.0033	-.0015	.0031	.0005	-.0030	.5	.1	-.6

13502 DELFT

Positions

M004 1 DELF P EUR	-.0001	-.0001	.0001	-.0001	.0001	.0000	-.1	.0	.0 97:113
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Velocities

M004 1 DELF P EUR	.0008	.0003	.0009	.0002	-.0001	.0012	.2	.0	.3
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13504 KOOTWIJK

Positions

M002 1 8833 TIE13504	.0006	.0000	.0006	-.0001	-.0001	.0008	.0	.0	.0 93: 1
M002 1 8833 L DUT	-.0245	-.0084	.0030	-.0059	.0218	-.0131	-.2	.7	-.4 88:248
M002 1 8833 L1 GZ	.0269	-.0434	-.0046	-.0459	-.0205	.0100	-.3	-.1	.1 93: 1
M002 1 8833 C GRIM	-.0189	-.0021	-.0264	-.0001	-.0011	-.0325	.0	.0	-.6 90: 90
M002 1 8833 L CSR	-.0133	-.0062	-.0190	-.0048	-.0008	-.0235	-.3	.0	-.7 89: 90
M003 1 KOSG TIE13504	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M003 1 KOSG P CODE	-.0012	-.0005	-.0007	-.0004	.0005	-.0013	-.2	.2	-.5 96:251
M003 1 KOSG P EMR	-.0015	.0035	.0026	.0037	.0025	.0014	1.1	.6	.3 96:215
M003 1 KOSG P GFZ	-.0054	-.0078	.0029	-.0072	.0067	-.0015	-2.0	1.3	-.3 96: 46
M003 1 KOSG P NRCAN	-.0002	.0000	.0003	.0000	.0003	.0001	.0	.2	.0 97:240
M003 1 KOSG P EUR	-.0005	-.0004	-.0005	-.0003	.0001	-.0007	-.3	.1	-.3 97: 74
M003 1 KOSG P JPL	.0031	.0010	.0028	.0007	-.0008	.0041	.4	-.3	1.4 95:128
S001 1 7833 TIE13504	.0007	-.0003	.0006	-.0004	-.0001	.0008	.0	.0	.0 93: 1
S001 1 7833 L CSR	-.0426	.0901	-.0429	.0939	.0000	-.0542	1.7	.0	-.5 82: 12

Velocities

M002 1 8833 L DUT	.0007	-.0004	.0017	-.0005	.0005	.0017	-.1	.1	.3
M002 1 8833 L1 GZ	-.0156	.0176	.0111	.0191	.0176	.0004	.0	.0	.0
M002 1 8833 C GRIM	.0019	-.0039	.0009	-.0040	-.0007	.0016	-.5	-.1	.2
M002 1 8833 L CSR	.0033	-.0013	.0094	-.0017	.0033	.0094	-.2	.2	.6
M003 1 KOSG P CODE	.0001	-.0005	-.0001	-.0005	-.0001	-.0001	-1.0	-.1	-.1
M003 1 KOSG P EMR	.0009	.0017	-.0055	.0016	-.0042	-.0036	.5	-.9	-.8
M003 1 KOSG P GFZ	.0042	.0019	.0000	.0015	-.0034	.0027	.7	-1.4	1.1
M003 1 KOSG P NRCAN	-.0003	.0002	-.0001	.0003	.0002	-.0003	.4	.1	-.1
M003 1 KOSG P EUR	.0011	.0006	.0009	.0005	-.0003	.0014	.6	-.2	.8

M003 1 KOSG P JPL	-.0004	-.0006	.0001	-.0006	.0004	-.0002	-.6	.2	-.1
S001 1 7833 L CSR	.0404	-.0340	.0129	-.0379	-.0211	.0328	-1.6	-.5	.7

13506 WESTERBORK

Positions

M005 1 WSRT P CODE	.0017	-.0010	.0030	-.0012	.0005	.0033	-.6	.2	.9 98: 30
M005 1 WSRT P GFZ	.0080	-.0036	.0151	-.0045	.0031	.0166	-.8	.3	1.5 97:110
M005 1 WSRT P NRCAN	-.0017	-.0003	-.0017	-.0001	.0004	-.0024	-.1	.2	-1.1 98: 67
M005 1 WSRT P EUR	.0023	.0003	.0028	.0000	-.0002	.0036	.0	.0	.7 98: 12

Velocities

M005 1 WSRT P CODE	-.0011	-.0006	.0007	-.0005	.0013	-.0002	-.1	.1	.0
M005 1 WSRT P GFZ	.0044	.0021	.0000	.0016	-.0037	.0028	.7	-1.3	1.0
M005 1 WSRT P NRCAN	-.0053	-.0009	-.0053	-.0003	.0011	-.0074	-.1	.1	-.9
M005 1 WSRT P EUR	-.0028	-.0004	-.0042	-.0001	-.0003	-.0050	.0	.0	-.2

14001 ZIMMERWALD

Positions

M004 1 ZIMM TIE14001	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M004 1 ZIMM P CODE	.0004	-.0013	.0015	-.0014	.0009	.0012	-.8	.3	.5 96:251
M004 1 ZIMM P EUR	-.0024	.0004	-.0027	.0007	-.0002	-.0036	.6	-.1	-1.6 97: 72
M004 1 ZIMM P JPL	-.0386	-.0036	-.0478	.0014	-.0044	-.0614	.1	-.1	-1.3 96:365
S001 1 7810 TIE14001	-.0013	.0000	-.0034	.0001	-.0014	-.0034	.0	.0	.0 93: 1
S001 1 7810 L CGS	-.0152	.0021	-.0140	.0041	.0013	-.0203	1.1	.2	-2.6 91:302
S001 1 7810 L DUT	-.0015	-.0007	.0205	-.0005	.0152	.0139	.0	.9	.8 92:227
S001 1 7810 L GSFC	.0101	-.0026	.0010	-.0039	-.0064	.0073	-.5	-1.0	1.2 90:187
S001 1 7810 L1 GZ	.0043	-.0005	.0071	-.0010	.0018	.0081	-.1	.2	1.0 96: 40
S001 1 7810 C GRIM	-.0037	.0011	-.0181	.0015	-.0098	-.0156	.2	-1.0	-1.7 92:340
S001 1 7810 L CSR	-.0109	.0025	-.0120	.0039	-.0005	-.0159	.9	-.1	-2.8 92:186

Velocities

M004 1 ZIMM P CODE	.0009	-.0002	.0013	-.0003	.0002	.0015	-.5	.1	1.0
M004 1 ZIMM P EUR	.0004	-.0009	.0002	-.0010	-.0001	.0003	-1.1	-.1	.2
M004 1 ZIMM P JPL	.0024	-.0024	.0021	-.0027	-.0001	.0029	-.1	.0	.1
S001 1 7810 L CGS	-.0017	-.0005	-.0016	-.0003	.0002	-.0023	-.2	.1	-.7
S001 1 7810 L DUT	.0042	.0009	.0016	.0004	-.0020	.0041	.1	-.5	1.1
S001 1 7810 L GSFC	.0010	-.0005	.0020	-.0006	.0007	.0021	-.2	.3	1.0
S001 1 7810 L1 GZ	-.0022	-.0023	-.0019	-.0020	.0005	-.0031	-.4	.1	-.7
S001 1 7810 C GRIM	.0026	-.0032	-.0001	-.0035	-.0016	.0014	-1.2	-.4	.3
S001 1 7810 L CSR	.0002	-.0002	.0008	-.0002	.0004	.0007	-.1	.2	.4

14005 MONTE GENEROSO

Positions

M002 1 7590 L DUT	.0132	-.0388	.0259	-.0404	.0130	.0235	-.9	.3	.6 93: 1
M002 1 7590 C GRIM	-.0287	.0114	-.0091	.0158	.0128	-.0250	.2	.1	-.2 85:284

Velocities

M002 1 7590 L DUT	.0079	-.0030	.0010	-.0042	-.0046	.0058	.0	.0	.0
M002 1 7590 C GRIM	.0090	-.0053	.0024	-.0066	-.0041	.0074	-.7	-.4	.7

14106 POTSDAM

Positions

M003 1 POTS TIE14106	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M003 1 POTS P CODE	-.0022	-.0011	-.0023	-.0006	.0005	-.0033	-.3	.2	-1.2 96:289
M003 1 POTS P GFZ	-.0074	-.0057	-.0022	-.0039	.0054	-.0069	-1.0	1.0	-1.2 96:183
M003 1 POTS P NRCAN	-.0001	.0002	.0002	.0002	.0002	.0001	.3	.1	.0 97:221
M003 1 POTS P EUR	.0017	.0001	.0025	-.0003	.0002	.0030	-.3	.1	1.2 97: 51
M003 1 POTS P JPL	.0019	.0030	.0032	.0025	-.0001	.0041	.9	.0	.9 96:274
S001 1 1181 L CGS	-.0160	.0143	-.0315	.0175	-.0095	-.0325	1.5	-.4	-1.3 88:353

S001	1	1181	L	GSFC	-.0054	-.0099	.0053	-.0084	.0092	-.0003	-1.0	1.2	-.1	88:	84
S001	1	1181	C	GRIM	-.1217	-.0087	-.1466	.0191	.0059	-.1897	.2	.0	-.8	93:	1
S001	1	1181	L	CSR	.0552	.0285	-.1032	.0152	-.1107	-.0450	.3	-1.1	-.4	86:	285
S009	1	7836	TIE14106		-.0006	.0009	.0020	.0010	.0015	.0014	.0	.0	.0	93:	1
S009	1	7836	L	CGS	-.0023	.0046	.0024	.0050	.0024	.0012	1.1	.3	.1	95:	319
S009	1	7836	L	DUT	-.0013	-.0045	.0124	-.0041	.0094	.0084	-.3	.6	.5	95:	52
S009	1	7836	L1	GZ	-.0004	-.0009	-.0020	-.0008	-.0007	-.0020	-.1	-.2	-.4	95:	307
S009	1	7836	C	GRIM	.0146	-.0024	.0013	-.0057	-.0100	.0094	-.6	-.7	.6	95:	293
S009	1	7836	L	CSR	-.0033	.0045	-.0020	.0051	.0005	-.0029	.7	.1	-.4	95:	155

Velocities

M003	1	POTS	P	CODE	-.0024	-.0014	-.0031	-.0009	.0002	-.0041	-1.5	.2	-4.4		
M003	1	POTS	P	GFZ	.0024	.0014	-.0022	.0008	-.0034	-.0001	.3	-.9	.0		
M003	1	POTS	P	NRCAN	.0004	.0011	.0007	.0010	-.0001	.0009	1.0	.0	.4		
M003	1	POTS	P	EUR	-.0026	-.0001	-.0034	.0005	.0000	-.0042	.5	.0	-2.4		
M003	1	POTS	P	JPL	-.0024	-.0011	-.0029	-.0005	.0003	-.0039	-.2	.1	-.8		
S001	1	1181	L	CGS	-.0190	.0013	-.0206	.0056	.0019	-.0275	.7	.1	-1.7		
S001	1	1181	L	GSFC	.0033	-.0001	.0000	-.0008	-.0025	.0019	-.5	-1.7	1.5		
S001	1	1181	C	GRIM	-.0145	.0160	.0093	.0189	.0140	.0010	.0	.0	.0		
S001	1	1181	L	CSR	-.0208	-.0024	-.0080	.0024	.0116	-.0190	.1	.3	-.4		
S009	1	7836	L	CGS	.0019	.0009	.0005	.0005	-.0013	.0017	.1	-.2	.3		
S009	1	7836	L	DUT	.0006	.0023	.0027	.0021	.0008	.0029	.4	.2	.5		
S009	1	7836	L1	GZ	.0041	-.0004	.0034	-.0013	-.0010	.0051	-.4	-.3	1.5		
S009	1	7836	C	GRIM	-.0038	-.0032	-.0017	-.0023	.0025	-.0041	-.3	.3	-.5		
S009	1	7836	L	CSR	-.0003	.0011	.0010	.0011	.0006	.0008	.4	.2	.2		

14201 WETTZELL

Positions

M004	1	7596	TIE14201		.0010	-.0006	-.0007	-.0008	-.0011	.0000	.0	.0	.0	93:	1
M004	1	7596	C	GRIM	-.0572	-.0010	.0565	.0118	.0793	.0061	.4	2.7	.2	93:	1
M004	1	7596	L	CSR	-.0259	.0633	-.0218	.0675	-.0059	-.0238	1.3	-.1	-.2	85:	248
M005	1	7597	TIE14201		.0007	-.0002	-.0004	-.0003	-.0008	.0001	.0	.0	.0	93:	1
M005	1	7597	L1	GZ	.0043	.0035	-.0092	.0025	-.0098	-.0036	.1	-.3	-.1	95:	288
M005	1	7597	C	GRIM	-.0367	.0107	.0394	.0186	.0510	.0080	.7	1.7	.3	93:	1
M005	1	7597	L	CSR	-.0138	.0013	-.0119	.0043	.0021	-.0176	.3	.1	-.5	95:	79
M007	1	7599	L	CSR	.0001	.0008	-.0020	.0007	-.0015	-.0013	.0	.0	.0	84:	325
M009	1	WETT	TIE14201		-.0026	.0014	-.0008	.0020	.0012	-.0021	.0	.0	.0	93:	1
M009	1	WETT	P	CODE	-.0013	.0007	-.0002	.0010	.0007	-.0009	.5	.2	-.2	95:	314
M009	1	WETT	P	EMR	.0036	.0069	.0179	.0060	.0079	.0168	1.1	1.1	2.3	95:	222
M009	1	WETT	P	GFZ	-.0123	-.0080	.0040	-.0050	.0130	-.0060	-.9	1.7	-.8	94:	228
M009	1	WETT	P	EUR	.0027	-.0031	-.0033	-.0036	-.0036	-.0012	-1.6	-.6	-.2	96:	196
M010	1	WTZR	TIE14201		.0002	-.0002	.0022	-.0003	.0013	.0018	.0	.0	.0	93:	1
M010	1	WTZR	P	CODE	-.0007	-.0011	-.0002	-.0009	.0005	-.0007	-.5	.2	-.3	96:	302
M010	1	WTZR	P	EMR	-.0002	.0043	.0008	.0042	.0000	.0011	1.2	.0	.3	97:	106
M010	1	WTZR	P	GFZ	-.0050	-.0053	-.0014	-.0040	.0037	-.0050	-1.0	.6	-.8	96:	353
M010	1	WTZR	P	NRCAN	-.0002	.0001	.0003	.0001	.0003	.0001	.1	.2	.1	97:	216
M010	1	WTZR	P	EUR	-.0001	-.0001	.0000	-.0001	.0000	-.0001	-.1	.0	.0	97:	89
S002	1	7834	TIE14201		.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93:	1
S002	1	7834	L	CGS	.0057	.0030	.0063	.0017	-.0006	.0088	.2	.0	.5	88:	242
S002	1	7834	L	GSFC	.0039	-.0007	-.0191	-.0016	-.0152	-.0121	-.2	-2.1	-1.7	87:	19
S002	1	7834	L	CSR	.0062	-.0001	.0008	-.0014	-.0040	.0046	-.1	-.3	.3	87:	280
S004	1	7224	TIE14201		.0009	.0018	-.0017	.0016	-.0021	-.0004	.0	.0	.0	93:	1
S004	1	7224	R	GSFC	-.0012	.0004	-.0008	.0007	.0003	-.0013	.9	.2	-.7	95:	113
S004	1	7224	R	USNO	-.0028	-.0011	-.0019	-.0005	.0010	-.0033	-.8	.7	-2.1	95:	86
S004	1	7224	R	NOAA	.0034	.0013	.0037	.0005	-.0003	.0052	.2	-.1	1.5	90:	345
S004	1	7224	R	GIUB	-.0009	-.0001	.0010	.0001	.0013	.0002	.0	.7	.1	94:	202
S018	1	8834	TIE14201		-.0020	-.0040	-.0060	-.0035	-.0018	-.0064	.0	.0	.0	93:	1
S018	1	8834	L	CGS	-.0021	.0036	.0051	.0040	.0043	.0031	1.4	.9	.6	95:	18
S018	1	8834	L	DUT	-.0012	-.0005	.0234	-.0002	.0162	.0169	.0	1.0	1.0	93:	292
S018	1	8834	L1	GZ	-.0021	.0058	-.0042	.0061	-.0022	-.0037	.6	-.1	-.2	93:	1
S018	1	8834	L	CSR	.0060	.0071	.0101	.0056	.0010	.0125	1.1	.2	2.2	93:	322
S100	1	7593	R	GSFC	-.0017	-.0006	-.0002	-.0002	.0012	-.0013	.0	.1	-.1	95:	316

S100 1 7593 R USNO	.0056	.0009	.0075	-.0004	.0006	.0094	.0	.0	.2	96: 41
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Velocities

M004 1 7596 C GRIM	-.0149	.0164	.0086	.0193	.0138	-.0006	.0	.0	.0
M004 1 7596 L CSR	-.0175	-.0092	.0255	-.0051	.0312	.0068	.0	.1	.0
M005 1 7597 L1 GZ	.0003	-.0015	.0016	-.0015	.0011	.0012	-.5	.3	.3
M005 1 7597 C GRIM	-.0149	.0164	.0086	.0193	.0138	-.0006	.0	.0	.0
M005 1 7597 L CSR	.0022	-.0001	-.0025	-.0006	-.0033	-.0005	-.1	-.2	.0
M007 1 7599 L CSR	-.0032	-.0027	-.0071	-.0019	-.0019	-.0078	.0	.0	.0
M009 1 WETT P CODE	.0000	-.0003	.0002	-.0003	.0001	.0001	-.6	.2	.1
M009 1 WETT P EMR	-.0027	-.0019	-.0073	-.0013	-.0025	-.0075	-.1	-.2	-.5
M009 1 WETT P GFZ	.0031	.0018	-.0018	.0010	-.0037	.0008	.3	-1.0	.2
M009 1 WETT P EUR	.0005	-.0006	.0002	-.0007	-.0002	.0004	-.8	-.1	.3
M010 1 WIZR P CODE	.0000	-.0003	.0001	-.0003	.0001	.0000	-.5	.2	.0
M010 1 WIZR P EMR	-.0001	.0000	.0005	.0000	.0004	.0004	.4	1.8	1.6
M010 1 WIZR P GFZ	.0030	.0018	-.0017	.0011	-.0036	.0009	.4	-1.0	.2
M010 1 WIZR P NRCAN	-.0022	.0001	-.0023	.0005	.0001	-.0031	.6	.0	-1.6
M010 1 WIZR P EUR	.0005	-.0006	.0001	-.0007	-.0002	.0003	-.8	-.2	.2
S002 1 7834 L CGS	-.0055	.0000	-.0024	.0012	.0025	-.0054	.2	.2	-.5
S002 1 7834 L GSFC	-.0002	-.0011	.0005	-.0011	.0006	.0001	-.4	.3	.0
S002 1 7834 L CSR	-.0045	-.0014	-.0034	-.0004	.0013	-.0057	-.1	.2	-1.0
S004 1 7224 R GSFC	-.0002	.0000	-.0003	.0000	.0000	-.0004	.3	-.1	-1.1
S004 1 7224 R USNO	.0000	.0001	-.0011	.0001	-.0007	-.0008	.6	-1.8	-2.0
S004 1 7224 R NOAA	-.0001	.0002	.0006	.0002	.0004	.0005	.4	.7	.7
S004 1 7224 R GIUB	.0001	.0000	-.0003	.0000	-.0003	-.0002	.0	-.6	-.4
S018 1 8834 L CGS	-.0046	-.0013	-.0059	-.0003	-.0002	-.0076	-.2	-.1	-2.6
S018 1 8834 L DUT	.0000	.0003	-.0011	.0003	-.0008	-.0008	.1	-.3	-.3
S018 1 8834 L1 GZ	-.0183	.0188	.0091	.0224	.0163	-.0020	.0	.0	.0
S018 1 8834 L CSR	-.0030	-.0004	-.0036	.0003	-.0001	-.0047	.2	.0	-2.1
S100 1 7593 R GSFC	-.0002	.0000	-.0003	.0000	.0000	-.0004	.3	-.1	-1.1
S100 1 7593 R USNO	.0000	.0001	-.0011	.0001	-.0007	-.0008	.6	-1.8	-2.0

14202 HOHENBUNSTORF

Positions

M002 1 7600 R GSFC	.0040	.0000	.0074	-.0007	.0013	.0083	-.1	.1	.5	89:176
M002 1 7600 R USNO	.0475	.0031	.0734	-.0056	.0064	.0871	-.2	.1	.9	97: 1
M002 1 7600 R NOAA	-.0082	.0003	-.0150	.0018	-.0026	-.0168	.3	-.1	-.9	93: 1

Velocities

M002 1 7600 R GSFC	.0015	.0008	-.0012	.0005	-.0020	.0000	.1	-.3	.0
M002 1 7600 R USNO	-.0011	-.0001	-.0001	.0001	.0008	-.0007	.0	.0	.0
M002 1 7600 R NOAA	.0007	.0009	-.0013	.0007	-.0015	-.0005	.0	.0	.0

14208 OBERPFAFFENHOFEN

Positions

M001 1 OBER P GFZ	-.0031	-.0038	.0004	-.0031	.0031	-.0022	-.7	.5	-.3	97: 65
M001 1 OBER P NRCAN	.0023	.0004	.0022	.0000	-.0002	.0032	.0	-.1	.7	98: 50
M001 1 OBER P EUR	-.0015	-.0005	-.0016	-.0002	.0001	-.0022	-.1	.0	-.6	97:282

Velocities

M001 1 OBER P GFZ	.0019	.0044	-.0024	.0039	-.0036	.0000	.6	-1.4	.0
M001 1 OBER P NRCAN	.0003	-.0003	-.0003	-.0004	-.0004	-.0001	-.1	.0	.0
M001 1 OBER P EUR	.0027	.0000	.0052	-.0005	.0015	.0057	-.2	.2	.6

14209 EFFELSBERG

Positions

S001 1 7203 R GSFC	-.0100	-.0006	-.0103	.0006	.0012	-.0143	.4	.2	-2.0	93:144
S001 1 7203 R USNO	-.0033	-.0005	-.0008	-.0001	.0020	-.0028	.0	.3	-.4	93:328
S001 1 7203 R NOAA	.0087	.0013	.0072	.0003	-.0022	.0111	.1	-.4	1.9	93:117
S001 1 7203 R GIUB	.0040	.0002	.0069	-.0002	.0013	.0079	-.1	.2	1.3	93:357

S001 2 7203 R GSFC	-.0097	-.0007	-.0099	.0004	.0012	-.0138	.2	.2	-1.8	97: 1
S001 2 7203 R USNO	-.0001	-.0002	-.0014	-.0002	-.0008	-.0012	-.1	-.1	-.2	97: 1

Velocities

S001 1 7203 R GSFC	.0001	-.0002	.0001	-.0002	.0000	.0002	-.5	.0	.1
S001 1 7203 R USNO	.0008	.0002	.0000	.0001	-.0006	.0005	.3	-.4	.4
S001 1 7203 R NOAA	.0002	-.0005	-.0002	-.0005	-.0003	-.0001	-.7	-.2	.0
S001 1 7203 R GIUB	.0004	.0011	.0013	.0011	.0004	.0013	.5	.1	.4
S001 2 7203 R GSFC	-.0135	.0178	.0085	.0193	.0141	-.0006	.0	.0	.0
S001 2 7203 R USNO	-.0145	.0173	.0090	.0189	.0152	-.0009	.0	.0	.0

14213 HOHENPEISSENBERG

Positions

M002 1 7630 R GSFC	-.0151	-.0026	-.0137	.0003	.0022	-.0205	.0	.1	-.5	92:168
M002 1 7630 R USNO	.0181	.0024	.0247	-.0011	.0031	.0306	.0	.0	.3	97: 1
M002 1 7630 R NOAA	-.0180	-.0010	-.0215	.0025	-.0012	-.0279	.2	.0	-.6	93: 1

Velocities

M002 1 7630 R GSFC	.0021	.0001	-.0019	-.0003	-.0028	.0000	.0	-.4	.0
M002 1 7630 R USNO	.0007	.0001	-.0015	-.0001	-.0015	-.0006	.0	.0	.0
M002 1 7630 R NOAA	.0014	.0002	-.0020	-.0001	-.0024	-.0005	.0	.0	.0

14260 KARLSBURG

Positions

M001 1 7632 R GSFC	-.0281	-.0055	-.0367	.0013	.0015	-.0465	.1	.0	-.8	92:188
M001 1 7632 R USNO	.0061	-.0006	.0105	-.0020	.0015	.0119	.0	.0	.1	97: 1
M001 1 7632 R NOAA	-.0179	-.0032	-.0311	.0011	-.0036	-.0358	.1	-.1	-.6	93: 1

Velocities

M001 1 7632 R GSFC	.0006	.0021	-.0008	.0019	-.0013	.0000	.2	-.2	.0
M001 1 7632 R USNO	-.0002	.0016	-.0010	.0016	-.0008	-.0007	.0	.0	.0
M001 1 7632 R NOAA	-.0001	.0021	-.0009	.0021	-.0008	-.0005	.0	.0	.0

14261 KIRSCHBERG

Positions

M001 1 7631 R GSFC	.0150	.0054	.0119	.0015	-.0049	.0192	.2	-.2	.7	92:179
M001 1 7631 R NOAA	.0073	.0014	.0191	-.0004	.0062	.0196	.0	.2	.7	93: 1

Velocities

M001 1 7631 R GSFC	-.0163	-.0101	.0147	-.0058	.0235	.0000	-.6	3.4	.0
M001 1 7631 R NOAA	-.0170	-.0101	.0146	-.0055	.0239	-.0005	.0	.0	.0

14302 NICOSIA-ATHALASS

Positions

M001 1 NICO P CODE	.0015	-.0006	.0012	-.0013	.0005	.0015	-.3	.1	.3	98: 47
M001 1 NICO P NRCAN	-.0019	-.0011	-.0011	.0001	.0004	-.0024	.0	.1	-.7	98: 81
M001 1 NICO P EUR	.0049	.0022	.0049	-.0009	.0010	.0071	-.2	.2	1.6	97:357

Velocities

M001 1 NICO P CODE	.0042	.0044	.0017	.0014	-.0020	.0058	.1	-.1	.3
M001 1 NICO P NRCAN	-.0127	-.0103	-.0080	-.0016	.0029	-.0179	-.1	.2	-1.4
M001 1 NICO P EUR	-.0051	-.0025	-.0037	.0007	.0002	-.0068	.1	.0	-.4

20101 RIYADH

Positions

S001 1 7832 L1 GZ	.0047	-.0031	.0030	-.0056	.0023	.0021	-.6	.2	.2	96:296
S001 1 7832 C GRIM	.0146	-.0109	-.0152	-.0181	-.0147	-.0044	-.2	-.2	.0	96:208
S001 1 7832 L CSR	-.0219	-.0128	-.0166	.0070	-.0048	-.0291	.4	-.3	-1.8	96:285

Velocities

S001 1 7832 L1 GZ	.0163	.0135	-.0030	-.0024	-.0115	.0178	-.1	-.4	.6
S001 1 7832 C GRIM	-.0026	.0029	-.0072	.0039	-.0067	-.0028	.4	-.7	-.3
S001 1 7832 L CSR	.0048	.0025	-.0069	-.0017	-.0084	.0017	.0	-.2	.0

20702 BAR GIYYORA

Positions

M001 1 7530 L CGS	-.0968	-.0363	-.0648	.0259	-.0025	-.1192	1.7	-.2	-6.9	93: 1
M001 1 7530 L DUT	.0381	-.0057	.0363	-.0266	.0162	.0428	-1.2	.7	1.9	92: 85
M001 1 7530 C GRIM	.0181	-.0174	-.0117	-.0247	-.0125	-.0021	-.2	-.1	.0	93:290
M001 1 7530 L CSR	.0032	-.0120	-.0058	-.0117	-.0026	-.0067	-.5	-.1	-.3	92:250

Velocities

M001 1 7530 L CGS	-.0161	.0187	.0195	.0246	.0179	.0082	.0	.0	.0
M001 1 7530 L DUT	-.0004	.0013	.0014	.0013	.0009	.0011	.2	.1	.2
M001 1 7530 C GRIM	.0173	.0032	.0017	-.0073	-.0070	.0145	-.7	-.7	1.5
M001 1 7530 L CSR	.0040	.0030	.0023	.0002	-.0007	.0055	.0	-.1	.5

20801 DIYARBAKIR

Positions

M001 1 7575 L CGS	-.0021	.0042	-.0143	.0045	-.0119	-.0079	.2	-.4	-.3	93: 1
M001 1 7575 L DUT	.0047	.0134	.0286	.0072	.0150	.0272	.2	.4	.8	89: 61
M001 1 7575 C GRIM	-.0013	-.0069	.0088	-.0045	.0103	.0011	-.2	.3	.0	89:230
M001 1 7575 L CSR	-.0117	-.0051	-.0132	.0037	-.0029	-.0178	.2	-.1	-.7	89:133

Velocities

M001 1 7575 L CGS	-.0273	-.0023	.0151	.0159	.0256	-.0083	.0	.0	.0
M001 1 7575 L DUT	.0024	.0038	.0056	.0014	.0018	.0069	.1	.1	.2
M001 1 7575 C GRIM	.0102	-.0050	.0068	-.0105	.0026	.0078	-1.1	.3	.8
M001 1 7575 L CSR	-.0047	-.0037	.0035	.0002	.0064	-.0026	.0	.2	-.1

20802 YOZGAT

Positions

M001 1 7585 L CGS	-.0186	.0050	-.0122	.0147	-.0014	-.0174	.7	-.1	-.7	90:134
M001 1 7585 L DUT	-.0077	.0128	.0239	.0149	.0177	.0161	.5	.6	.5	90:144
M001 1 7585 L GSFC	.0048	.0156	.0022	.0101	-.0065	.0113	.4	-.3	.5	90: 82
M001 1 7585 C GRIM	-.0138	-.0014	-.0056	.0067	.0035	-.0129	.1	.0	-.2	89:158
M001 1 7585 L CSR	-.0059	-.0071	-.0233	-.0025	-.0122	-.0217	-.1	-.4	-.8	90: 94

Velocities

M001 1 7585 L CGS	-.0078	-.0077	-.0014	-.0019	.0058	-.0091	-.2	.4	-.7
M001 1 7585 L DUT	-.0001	.0015	.0001	.0013	-.0004	.0006	.1	.0	.0
M001 1 7585 L GSFC	.0069	-.0041	-.0046	-.0073	-.0057	-.0005	-.5	-.5	.0
M001 1 7585 C GRIM	.0112	-.0069	-.0053	-.0120	-.0075	.0007	-1.2	-.8	.1
M001 1 7585 L CSR	-.0036	-.0099	-.0093	-.0061	-.0016	-.0126	-.5	-.1	-.9

20803 MELENGICLICK

Positions

M001 1 7580 L CGS	-.0044	-.0018	.0032	.0009	.0054	-.0018	.0	.2	-.1	90:362
M001 1 7580 L DUT	-.0032	.0046	.0213	.0056	.0170	.0128	.2	.6	.5	89:235
M001 1 7580 L GSFC	.0102	.0047	-.0012	-.0017	-.0077	.0081	-.1	-.4	.4	89:106
M001 1 7580 C GRIM	-.0124	.0052	-.0199	.0112	-.0112	-.0181	.3	-.3	-.5	89:155
M001 1 7580 L CSR	-.0047	.0012	-.0043	.0035	-.0015	-.0052	.2	-.1	-.2	89:270

Velocities

M001 1 7580 L CGS	-.0033	-.0041	-.0017	-.0016	.0017	-.0050	-.1	.1	-.3
M001 1 7580 L DUT	.0005	-.0045	.0001	-.0040	.0013	-.0016	-.3	.1	-.1
M001 1 7580 L GSFC	.0036	-.0054	-.0011	-.0065	-.0009	-.0006	-.5	-.1	-.1

M001 1 7580 C GRIM	.0057	-.0032	-.0026	-.0058	-.0040	.0008	-.6	-.4	.1
M001 1 7580 L CSR	-.0037	-.0067	-.0021	-.0036	.0024	-.0067	-.4	.2	-.6

20804 YIGILCA

Positions

M001 1 7587 L CGS	.0038	.0144	.0042	.0103	-.0039	.0109	.6	-.2	.5 89:355
M001 1 7587 L DUT	-.0022	-.0006	.0224	.0006	.0184	.0131	.0	.6	.4 89: 46
M001 1 7587 L GSFC	.0015	.0048	-.0055	.0033	-.0066	-.0007	.1	-.3	.0 89:112
M001 1 7587 C GRIM	-.0075	.0071	-.0010	.0099	.0010	-.0027	.2	.0	-.1 89:132
M001 1 7587 L CSR	.0030	.0003	.0071	-.0013	.0036	.0067	-.1	.2	.3 90: 12

Velocities

M001 1 7587 L CGS	-.0002	-.0016	-.0003	-.0013	.0004	-.0010	-.2	.0	-.1
M001 1 7587 L DUT	.0031	-.0045	-.0002	-.0055	-.0003	.0001	-.4	.0	.0
M001 1 7587 L GSFC	-.0010	-.0071	-.0028	-.0055	.0009	-.0053	-.5	.1	-.4
M001 1 7587 C GRIM	.0056	-.0049	-.0050	-.0071	-.0052	-.0016	-.8	-.5	-.2
M001 1 7587 L CSR	-.0008	-.0033	.0004	-.0024	.0019	-.0016	-.3	.2	-.1

20805 ANKARA

Positions

M001 1 7589 TIE20805	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M001 1 7589 L CGS	.0465	.1188	.0944	.0748	.0062	.1399	2.4	.2	3.7 93: 1
M001 1 7589 L DUT	.0473	.1181	.1374	.0737	.0389	.1676	2.2	1.2	5.1 93: 1
M001 1 7589 L CSR	.0586	.1177	.1063	.0673	.0091	.1549	2.1	.2	4.0 93:103
M002 1 ANKR TIE20805	-.0014	.0291	.0062	.0252	-.0045	.0152	.0	.0	.0 93: 1
M002 1 ANKR P CODE	-.0041	-.0044	-.0036	-.0015	.0010	-.0067	-.4	.2	-1.6 97:150
M002 1 ANKR P NRCAN	-.0017	-.0010	-.0014	.0001	.0002	-.0024	.0	.1	-1.1 97:168
M002 1 ANKR P EUR	.0025	.0008	.0025	-.0007	.0003	.0035	-.2	.1	1.0 97:156

Velocities

M001 1 7589 L CGS	.0042	.0107	.0206	.0067	.0098	.0204	.0	.0	.0
M001 1 7589 L DUT	.0221	-.0051	.0146	-.0163	.0010	.0215	.0	.0	.0
M001 1 7589 L CSR	-.0236	-.0170	.0665	-.0015	.0696	.0203	.0	.3	.1
M002 1 ANKR P CODE	.0174	.0126	.0172	.0012	-.0006	.0274	.2	-.1	4.7
M002 1 ANKR P NRCAN	.0153	.0110	.0158	.0010	.0000	.0246	.4	.0	7.5
M002 1 ANKR P EUR	.0122	.0079	.0132	.0001	.0008	.0196	.0	.2	3.6

21501 EVEREST

Positions

S001 1 EVEB C GRIM	-.0401	-.0555	.0245	.0370	.0487	-.0394	.5	1.1	-.8 95:172
S001 1 EVEB D GRGS	.0088	-.0022	.0011	-.0089	.0017	-.0010	-.2	.1	.0 95:166
S001 1 EVEB D IGN	.0131	.0312	-.0229	-.0114	-.0352	.0174	-.1	-1.0	.4 96:191
S001 1 EVEB D CSR	-.0283	.0036	.0456	.0284	.0393	.0232	.5	1.2	.7 94:181

Velocities

S001 1 EVEB C GRIM	.0029	.0050	-.0059	-.0026	-.0076	.0018	-.3	-.8	.2
S001 1 EVEB D GRGS	-.0206	.0077	.0124	.0210	.0079	.0116	.6	.5	.6
S001 1 EVEB D IGN	-.0151	.0102	.0007	.0157	-.0038	.0086	.3	-.2	.3
S001 1 EVEB D CSR	-.0087	-.0060	.0096	.0083	.0116	-.0012	.1	.3	.0

21601 BEIJING

Positions

S004 1 7249 L DUT	.4400	.3121	-.1919	-.5321	-.2044	-.0541	-1.3	-.6	-.1 93: 1
S004 1 7249 L1 GZ	.1311	.0408	-.0148	-.1358	.0017	-.0253	-.9	.0	-.2 96:166
S004 1 7249 C GRIM	.5363	.3339	-.3248	-.6283	-.2924	-.1560	-.8	-.3	-.2 94: 1
S004 1 7249 L CSR	-.0178	.0234	.0071	.0058	-.0129	.0268	.0	-.1	.2 97: 14

Velocities

S004 1 7249 L DUT	-.0877	-.0823	.0472	.1148	.0592	.0026	.0	.0	.0
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S004 1 7249 L1 GZ	-.0770	-.0802	.0465	.1043	.0604	.0000	1.2	.7	.0
S004 1 7249 C GRIM	-.1347	-.1426	.0654	.1835	.0947	-.0118	.2	.1	.0
S004 1 7249 L CSR	-.0980	-.0867	.0635	.1261	.0714	.0134	1.3	.6	.1

21602 WUHAN

Positions

M001 1 WUHN P CODE	.0030	-.0100	-.0045	.0014	.0014	-.0112	.4	.4	-2.7	97:252
M001 1 WUHN P NRCAN	-.0016	.0029	.0028	.0003	.0007	.0043	.1	.3	1.6	97:326
S003 1 7236 L CGS	.0062	-.0196	-.0132	.0024	-.0011	-.0243	.2	-.1	-1.2	95:173
S003 1 7236 L DUT	-.1546	.2400	.2102	.0419	.0375	.3501	.1	.1	1.2	95:358
S003 1 7236 L1 GZ	.0171	-.0175	-.0056	-.0084	.0068	-.0226	-.1	.1	-.2	95:286
S003 1 7236 C GRIM	-.0091	.0148	-.0114	.0022	-.0186	.0091	.0	-.2	.1	95: 46
S003 1 7236 L CSR	.0127	.0056	-.0033	-.0138	-.0027	-.0018	-.4	-.1	.0	91:149

Velocities

M001 1 WUHN P CODE	-.0049	.0099	.0050	.0004	-.0013	.0120	.1	-.2	1.6
M001 1 WUHN P NRCAN	-.0018	.0057	.0047	-.0007	.0010	.0075	-.2	.2	1.4
S003 1 7236 L CGS	-.0028	.0004	-.0025	.0023	-.0029	.0000	.3	-.3	.0
S003 1 7236 L DUT	-.0075	-.0108	.0258	.0113	.0257	.0073	.0	.1	.0
S003 1 7236 L1 GZ	.0126	.0000	.0087	-.0115	.0101	.0000	-.3	.3	.0
S003 1 7236 C GRIM	.0031	.0062	-.0055	-.0054	-.0070	.0009	-.6	-.7	.1
S003 1 7236 L CSR	.0130	-.0004	-.0002	-.0117	.0027	-.0051	-.3	.1	-.1

21604 PURPLE MOUNTAIN

Positions

S003 1 PURA C GRIM	.0234	-.0249	-.0390	-.0085	-.0155	-.0487	-.2	-.4	-1.0	96: 3
S003 1 PURA D GRGS	-.0168	-.0204	.0052	.0246	.0096	-.0055	.7	.4	-.2	95:264
S003 1 PURA D IGN	-.0071	.0513	.0186	-.0185	-.0099	.0508	-.4	-.3	1.2	96:352
S003 1 PURA D CSR	-.0036	-.0012	.0072	.0037	.0057	.0044	.1	.2	.1	94:179

Velocities

S003 1 PURA C GRIM	-.0016	.0063	-.0032	-.0016	-.0061	.0036	-.2	-.6	.4
S003 1 PURA D GRGS	.0019	-.0124	-.0036	.0043	.0032	-.0119	.2	.2	-.5
S003 1 PURA D IGN	-.0119	.0049	-.0105	.0081	-.0142	.0029	.2	-.6	.1
S003 1 PURA D CSR	.0158	.0043	.0040	-.0159	.0054	-.0012	-.3	.2	.0

21605 SHANGHAI

Positions

M002 1 SHAO P CODE	.0011	-.0046	-.0003	.0015	.0021	-.0040	.5	.7	-1.2	96:341
M002 1 SHAO P NRCAN	-.0014	.0012	.0014	.0005	.0003	.0022	.2	.2	.9	97:215
M002 1 SHAO P JPL	-.0007	.0006	.0001	.0003	-.0003	.0008	.1	-.1	.2	96:236
S001 1 7837 TIE21605	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S001 1 7837 L CGS	-.0296	.0213	.0312	.0143	.0094	.0448	1.8	1.1	5.1	94: 60
S001 1 7837 L DUT	-.0234	-.0025	.0166	.0213	.0091	.0171	1.3	.4	1.0	94: 71
S001 1 7837 L GSFC	-.0070	.0055	.0383	.0031	.0285	.0269	.2	1.5	1.4	92:183
S001 1 7837 L1 GZ	-.0169	.0085	.0048	.0101	-.0042	.0162	.4	-.2	.6	96:281
S001 1 7837 C GRIM	-.0147	.0201	.0007	.0022	-.0123	.0216	.1	-.4	.7	94: 4
S001 1 7837 L CSR	-.0128	.0220	-.0009	-.0004	-.0139	.0213	.0	-.7	1.0	93:228
S008 1 7226 R GSFC	.2111	-.3052	-.0987	-.0209	.1074	-.3681	-.1	.4	-1.4	83:138
S009 1 7227 TIE21605	-.0069	-.0012	.0072	.0065	.0049	.0059	.0	.0	.0	93: 1
S009 1 7227 R GSFC	.0075	-.0086	-.0065	-.0020	.0002	-.0130	-.4	.0	-2.7	94:116
S009 1 7227 R USNO	.0119	-.0161	-.0117	-.0019	.0003	-.0231	-.2	.0	-2.0	95:231
S009 1 7227 R NOAA	.0103	-.0159	-.0063	-.0006	.0044	-.0194	-.1	.5	-2.3	90:361
S009 1 7227 R GIUB	.0090	-.0115	-.0053	-.0017	.0030	-.0152	-.3	.5	-2.3	93:111

Velocities

M002 1 SHAO P CODE	.0004	-.0008	-.0013	.0001	-.0007	-.0014	.1	-.7	-1.5
M002 1 SHAO P NRCAN	.0002	-.0004	.0005	.0001	.0007	-.0001	.0	.2	.0
M002 1 SHAO P JPL	.0009	-.0013	.0011	-.0001	.0017	-.0008	.0	.5	-.2
S001 1 7837 L CGS	-.0042	.0046	.0013	.0013	-.0021	.0059	.4	-.6	1.7

S001 1 7837 L DUT	-.0048	-.0004	-.0027	.0043	-.0034	.0005	1.0	-.7	.1
S001 1 7837 L GSFC	-.0073	.0074	.0036	.0025	-.0022	.0105	.4	-.4	1.7
S001 1 7837 L1 GZ	-.0002	-.0007	-.0036	.0005	-.0028	-.0023	.0	-.1	-.1
S001 1 7837 C GRIM	.0037	.0051	-.0002	-.0058	-.0014	.0020	-.8	-.2	.3
S001 1 7837 L CSR	-.0039	.0070	.0010	-.0003	-.0033	.0074	.0	-.5	1.2
S008 1 7226 R GSFC	.0001	-.0002	-.0004	.0000	-.0002	-.0004	.0	-.1	-.2
S009 1 7227 R GSFC	.0002	-.0002	-.0004	.0000	-.0002	-.0004	.0	-.1	-.3
S009 1 7227 R USNO	.0002	-.0006	-.0004	.0002	.0000	-.0008	.1	.0	-.4
S009 1 7227 R NOAA	-.0013	.0011	.0033	.0005	.0020	.0031	.1	.5	.7
S009 1 7227 R GIUB	.0008	-.0006	-.0011	-.0004	-.0005	-.0014	-.2	-.3	-.8

21611 CHANGCHUN

Positions

S001 1 7237 L CGS	.0137	-.0258	-.0247	.0038	.0022	-.0380	.4	.2	-3.8 96:173
S001 1 7237 L DUT	-.0523	.0228	.0407	.0293	-.0045	.0635	.2	.0	.5 97: 49
S001 1 7237 L1 GZ	-.0260	.0286	.0072	.0046	-.0214	.0327	.2	-.9	1.4 97:170
S001 1 7237 C GRIM	-.0161	-.0074	-.0653	.0174	-.0494	-.0428	.2	-.5	-.4 95:211
S001 1 7237 L CSR	-.0170	.0319	.0076	-.0046	-.0193	.0311	-.3	-1.1	1.7 97:234

Velocities

S001 1 7237 L CGS	-.0105	.0264	.0188	-.0067	-.0055	.0329	-1.2	-.8	5.0
S001 1 7237 L DUT	-.0005	.0145	-.0061	-.0080	-.0128	.0045	.0	-.1	.0
S001 1 7237 L1 GZ	.0079	.0203	-.0124	-.0182	-.0172	.0000	-.5	-.6	.0
S001 1 7237 C GRIM	-.0419	-.0790	.0308	.0800	.0500	-.0076	8.2	5.1	-.8
S001 1 7237 L CSR	-.0071	.0132	.0145	-.0019	.0002	.0208	-.1	.0	1.1

21612 URUMQI

Positions

S001 1 7330 R GSFC	-.0003	-.0025	-.0009	.0002	.0011	-.0024	.0	.1	-.3 97:269
S001 1 7330 R USNO	.0001	.0033	.0016	.0001	-.0011	.0035	.0	.0	.1 97:271
S001 1 7330 R NOAA	-.0092	-.0659	.0006	.0059	.0460	-.0477	.1	.5	-.5 93: 1
S001 1 7330 R GIUB	.0115	-.0028	-.0127	-.0116	-.0077	-.0104	-.6	-.3	-.3 94:260

Velocities

S001 1 7330 R GSFC	.0025	.0098	.0121	-.0020	.0020	.0155	-.4	.2	1.3
S001 1 7330 R USNO	-.0015	.0055	.0070	.0017	.0013	.0087	.3	.1	.6
S001 1 7330 R NOAA	-.0049	-.0082	.0078	.0045	.0115	-.0007	.0	.0	.0
S001 1 7330 R GIUB	.0041	-.0020	.0044	-.0042	.0044	.0017	-.3	.5	.2

21613 LHASA

Positions

M001 1 LHAS P CODE	-.0005	-.0039	.0009	.0005	.0027	-.0029	.2	.7	-.6 97: 66
M001 1 LHAS P EMR	.0008	.0030	.0047	-.0008	.0026	.0049	-.1	.5	.7 97:145
M001 1 LHAS P GFZ	-.0027	-.0073	-.0063	.0029	-.0019	-.0094	.6	-.2	-1.0 96:344
M001 1 LHAS P NRCAN	.0007	.0009	.0012	-.0007	.0006	.0013	-.5	.3	.5 97:296

Velocities

M001 1 LHAS P CODE	-.0016	-.0002	-.0014	.0016	-.0012	-.0008	1.4	-1.2	-.7
M001 1 LHAS P EMR	-.0030	.0005	-.0021	.0030	-.0021	-.0005	.4	-.6	-.1
M001 1 LHAS P GFZ	-.0001	.0016	-.0026	.0000	-.0030	.0001	.0	-1.4	.0
M001 1 LHAS P NRCAN	.0042	-.0021	.0009	-.0041	.0018	-.0014	-1.7	.5	-.3

21614 SHAANXI

Positions

M001 1 XIAN P CODE	-.0005	-.0030	.0002	.0015	.0016	-.0021	.5	.4	-.5 97:245
M001 1 XIAN P NRCAN	.0002	-.0001	.0009	-.0002	.0009	.0003	-.1	.3	.1 97:332

Velocities

M001 1 XIAN P CODE	-.0016	.0013	-.0019	.0011	-.0026	.0004	.2	-.3	.0
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M001 1 XIAN P NRCAN .0044 -.0074 -.0029 -.0017 .0024 -.0086 -.3 .3 -1.1

21701 KASHIMA

Positions

S001 1 1856 R GSFC	-.0005	.0000	.0016	.0003	.0011	.0012	.1	.2	.3	94:250
S001 1 1856 R USNO	.0013	-.0016	.0013	.0004	.0023	-.0008	.1	.5	-.2	94:227
S001 1 1856 R NOAA	.0021	-.0058	-.0007	.0032	.0026	-.0047	.8	.5	-1.0	90:196
S001 1 1856 R GIUB	-.0006	.0025	.0052	-.0015	.0030	.0047	-.5	.8	1.3	93: 71
S004 1 1857 R GSFC	-.0103	.0089	.0097	-.0003	-.0001	.0167	-.1	.0	2.5	93:225
S004 1 1857 R USNO	-.0112	.0094	.0110	-.0001	.0003	.0183	.0	.1	3.0	93:214
S004 1 1857 R NOAA	.0105	-.0100	-.0066	.0011	.0031	-.0156	.2	.5	-2.7	91:215
S004 1 1857 R GIUB	.0005	.0003	.0040	-.0005	.0033	.0022	-.1	.8	.5	93:139

Velocities

S001 1 1856 R GSFC	.0003	-.0006	-.0012	.0003	-.0006	-.0012	.5	-.7	-1.5
S001 1 1856 R USNO	.0002	-.0006	-.0009	.0004	-.0005	-.0010	.6	-.6	-1.3
S001 1 1856 R NOAA	.0010	.0001	.0015	-.0007	.0016	.0003	-.5	.9	.2
S001 1 1856 R GIUB	.0005	-.0001	-.0008	-.0003	-.0003	-.0008	-.3	-.3	-.8
S004 1 1857 R GSFC	-.0027	.0016	.0003	.0005	-.0015	.0027	.3	-.9	1.7
S004 1 1857 R USNO	-.0022	.0020	.0003	-.0001	-.0015	.0026	-.1	-.9	1.7
S004 1 1857 R NOAA	-.0081	.0067	.0085	-.0001	.0007	.0135	.0	.2	4.4
S004 1 1857 R GIUB	.0005	-.0001	-.0008	-.0003	-.0003	-.0008	-.3	-.3	-.8

21702 MIZUSAWA

Positions

S009 1 7314 R GSFC	.0020	-.0012	.0017	-.0003	.0028	-.0007	.0	.2	.0	91:284
S010 1 7324 R GSFC	-.0007	.0028	.0033	-.0018	.0011	.0038	-.1	.1	.2	93:281
S010 1 7324 R USNO	-.0108	.0104	.0163	-.0013	.0032	.0219	.0	.1	.6	93:314
S010 1 7324 R NOAA	-.0021	-.0163	-.0116	.0140	-.0036	-.0140	.7	-.2	-.6	93: 1
S010 1 7324 R GIUB	-.0054	.0030	.0083	.0011	.0026	.0100	.1	.1	.6	93:289

Velocities

S009 1 7314 R GSFC	.0055	.0027	.0031	-.0056	.0041	.0000	-.7	.5	.0
S010 1 7324 R GSFC	.0045	.0006	.0039	-.0033	.0050	.0000	-.4	.7	.0
S010 1 7324 R USNO	.0240	-.0218	-.0265	.0019	-.0002	-.0418	.0	.0	-.8
S010 1 7324 R NOAA	.0045	.0005	.0020	-.0032	.0035	-.0012	.0	.0	.0
S010 1 7324 R GIUB	.0030	-.0016	.0044	-.0006	.0055	.0002	-.1	.6	.0

21704 KOGANEI

Positions

S002 1 7308 L CGS	.0090	-.0170	-.0254	.0070	-.0101	-.0293	.4	-.5	-1.6	93: 1
S002 1 7308 L DUT	-.0500	-.0083	.0530	.0388	.0240	.0575	.1	.1	.2	96:310
S002 1 7308 L1 GZ	.0078	-.0019	.0057	-.0036	.0088	-.0024	-.1	.2	.0	97: 2
S002 1 7308 C GRIM	.0180	.0086	-.0067	-.0182	-.0007	-.0105	-.3	.0	-.2	96:217
S002 1 7308 L CSR	.0165	.0097	.0080	-.0181	.0102	-.0004	-.5	.3	.0	95:107

Velocities

S002 1 7308 L CGS	-.0123	.0014	-.0030	.0069	-.0085	.0066	.0	.0	.0
S002 1 7308 L DUT	.0063	-.0186	.0091	.0100	.0172	-.0084	.0	.1	.0
S002 1 7308 L1 GZ	-.0010	-.0104	-.0054	.0086	-.0009	-.0081	.2	.0	-.2
S002 1 7308 C GRIM	-.0091	-.0022	.0023	.0076	-.0013	.0059	.8	-.1	.6
S002 1 7308 L CSR	-.0099	.0003	.0042	.0062	-.0011	.0087	.6	-.1	.7

21718 MIYAZAKI

Positions

S001 1 7312 R GSFC	.0232	-.0263	-.0129	.0001	.0077	-.0366	.0	.2	-.7	87:254
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Velocities

S001 1 7312 R GSFC	.0014	-.0032	.0052	.0011	.0062	.0000	.2	.9	.0
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21725 NOBEYAMA

Positions

S001	1	7244	R	GSFC	.0272	-.0254	-.0229	.0009	.0033	-.0436	.0	.1	-1.2	90:231
S001	1	7244	R	USNO	-.0051	-.0106	.0061	.0113	.0068	.0009	.2	.1	.0	90:288
S001	1	7244	R	NOAA	-.0416	.0534	.0410	-.0124	-.0059	.0779	-.4	-.2	2.3	93: 1

Velocities

S001	1	7244	R	GSFC	-.0096	-.0169	-.0093	.0190	-.0052	-.0087	.5	-.2	-.3	
S001	1	7244	R	USNO	-.0632	.0208	.0418	.0263	-.0020	.0740	.6	.0	1.8	
S001	1	7244	R	NOAA	-.0374	.0389	.0293	-.0043	-.0078	.0607	.0	.0	.0	

21726 SIMOSATO

Positions

S001	1	7838	L	CGS	-.0025	-.0012	.0023	.0026	.0014	.0021	.4	.2	.3	92:143
S001	1	7838	L	DUT	-.0554	.0432	.0445	.0075	-.0016	.0828	.6	-.1	5.4	92:263
S001	1	7838	L	GSFC	.0086	.0018	.0060	-.0072	.0077	-.0008	-.7	.7	-.1	88:349
S001	1	7838	L1	GZ	.0020	-.0109	-.0052	.0064	.0007	-.0104	.4	.0	-.7	95: 5
S001	1	7838	C	GRIM	-.0014	-.0015	-.0101	.0020	-.0084	-.0056	.3	-1.0	-.7	92:181
S001	1	7838	L	CSR	.0003	-.0027	-.0060	.0017	-.0039	-.0051	.2	-.6	-.7	90:187

Velocities

S001	1	7838	L	CGS	.0015	-.0008	-.0018	-.0005	-.0006	-.0024	-.3	-.4	-1.4	
S001	1	7838	L	DUT	-.0012	-.0054	-.0007	.0047	.0010	-.0028	1.8	.3	-1.0	
S001	1	7838	L	GSFC	-.0023	-.0003	.0027	.0019	.0014	.0027	.6	.5	.9	
S001	1	7838	L1	GZ	.0006	-.0019	-.0036	.0009	-.0021	-.0035	.1	-.3	-.6	
S001	1	7838	C	GRIM	.0017	.0035	-.0003	-.0037	-.0009	.0009	-1.6	-.4	.4	
S001	1	7838	L	CSR	-.0007	.0002	-.0003	.0004	-.0006	.0004	.2	-.3	.2	

21729 USUDA

Positions

S001	1	7246	R	GSFC	.0288	-.0289	-.0244	.0025	.0044	-.0473	.0	.1	-.9	90:208
S007	1	USUD	P	CODE	-.0006	-.0021	.0017	.0020	.0019	.0002	.6	.6	.1	96:299
S007	1	USUD	P	GFZ	-.0031	.0012	.0034	.0012	.0009	.0045	.2	.2	.9	96: 84
S007	1	USUD	P	NRCAN	.0002	-.0010	-.0002	.0006	.0003	-.0007	.3	.2	-.4	97:272
S007	1	USUD	P	JPL	.0030	-.0006	-.0027	-.0016	-.0006	-.0037	-.4	-.2	-1.0	96: 30

Velocities

S001	1	7246	R	GSFC	.0165	.0129	.0052	-.0206	.0064	.0000	-2.6	.8	.0	
S007	1	USUD	P	CODE	-.0024	.0024	.0018	-.0002	-.0005	.0038	-.1	-.3	2.1	
S007	1	USUD	P	GFZ	.0018	.0011	-.0058	-.0020	-.0043	-.0040	-.7	-1.5	-1.3	
S007	1	USUD	P	NRCAN	.0033	-.0053	-.0033	.0018	.0009	-.0067	.7	.3	-2.6	
S007	1	USUD	P	JPL	-.0004	-.0039	-.0001	.0032	.0013	-.0020	1.3	.5	-.8	

21730 TSUKUBA

Positions

S001	1	7311	TIE21730		.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S001	1	7311	R	GSFC	-.0202	-.0008	.0239	.0135	.0105	.0262	.8	.6	1.6	89:262
S005	1	TSKB	TIE21730		-.0021	-.0032	.0013	.0038	.0013	.0004	.0	.0	.0	93: 1
S005	1	TSKB	P	CODE	.0002	-.0025	.0011	.0018	.0019	-.0008	.6	.6	-.2	96:307
S005	1	TSKB	P	EMR	-.0083	.0016	.0113	.0041	.0048	.0127	.8	1.0	2.6	96:335
S005	1	TSKB	P	GFZ	-.0010	.0012	.0005	-.0003	-.0005	.0015	-.1	-.1	.3	96:216
S005	1	TSKB	P	NRCAN	-.0001	-.0010	-.0003	.0008	.0001	-.0007	.4	.1	-.3	97:284
S005	1	TSKB	P	JPL	.0027	-.0004	-.0036	-.0014	-.0015	-.0040	-.4	-.4	-1.1	96:107

Velocities

S001	1	7311	R	GSFC	.0013	.0001	-.0013	-.0009	-.0005	-.0015	-.1	-.1	-.2	
S005	1	TSKB	P	CODE	-.0007	.0003	.0003	.0002	-.0002	.0008	.2	-.2	.8	
S005	1	TSKB	P	EMR	.0015	.0009	-.0035	-.0016	-.0025	-.0026	-.4	-.7	-.7	

S005 1 TSKB P GFZ	.0019	.0030	-.0052	-.0035	-.0045	-.0027	-.8	-1.1	-.6
S005 1 TSKB P NRCAN	.0037	-.0052	-.0047	.0016	-.0002	-.0078	.6	-.1	-3.0
S005 1 TSKB P JPL	-.0011	-.0046	.0014	.0042	.0024	-.0009	1.4	.8	-.3

21731 SHINTOTSUGAWA

Positions

S001 1 7315 R GSFC	.0048	-.0033	.0004	-.0004	.0043	-.0040	.0	.2	-.2 90:204
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Velocities

S001 1 7315 R GSFC	-.0025	-.0065	.0021	.0066	.0030	.0000	.8	.4	.0
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21732 CHICHIJIMA

Positions

S001 1 7316 TIE21732	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
S001 1 7316 R GSFC	.0777	-.0401	-.0188	-.0160	.0224	-.0851	-.3	.4	-1.5 89: 8
S002 1 7844 TIE21732	.0991	.0843	.0441	-.1274	.0514	-.0037	-.1	.1	.0 93: 1
S002 1 7844 C GRIM	-.3534	-.4315	-.0787	.5575	-.0768	-.0225	3.0	-.4	-.1 88: 55

Velocities

S001 1 7316 R GSFC	-.0035	-.0026	-.0022	.0042	-.0024	.0000	.7	-.3	.0
S002 1 7844 C GRIM	-.0003	.0036	-.0025	-.0026	-.0033	.0011	-.3	-.3	.1

21733 MINAMI TORI SIMA

Positions

S001 1 7300 C GRIM	-.3073	-.0143	.1013	.1477	-.0187	.2876	.3	.0	.4 89:192
S002 1 7310 R GSFC	.0034	-.0018	-.0024	.0001	-.0006	-.0045	.0	.0	-.3 92:153
S002 1 7310 R USNO	-.0426	.0130	.0268	.0070	.0063	.0511	.2	.2	1.0 93: 89
S002 1 7310 R NOAA	.0080	-.0016	.0086	-.0021	.0111	-.0037	-.1	.6	-.1 92:283
S002 1 7310 R GIUB	-.0066	.0065	.0066	-.0029	.0024	.0107	-.2	.2	.6 92:325

Velocities

S001 1 7300 C GRIM	.0004	.0071	.0026	-.0066	.0012	.0036	-.7	.1	.4
S002 1 7310 R GSFC	-.0022	.0005	-.0008	.0006	-.0016	.0017	.1	-.2	.1
S002 1 7310 R USNO	.0185	-.0136	-.0105	.0041	-.0002	-.0249	.3	.0	-1.4
S002 1 7310 R NOAA	-.0049	.0031	.0017	-.0006	-.0008	.0060	.0	-.1	.3
S002 1 7310 R GIUB	-.0018	.0003	.0016	.0005	.0007	.0023	.1	.1	.5

21737 SAGARA

Positions

S001 1 7325 R GSFC	.0250	-.0220	-.0209	-.0003	.0018	-.0392	.0	.0	-.8 93: 10
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Velocities

S001 1 7325 R GSFC	.0004	-.0022	.0026	.0014	.0031	.0000	.2	.4	.0
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21738 DAITO

Positions

S001 1 7326 R GSFC	.0519	-.0567	-.0318	-.0017	.0049	-.0830	.0	.1	-1.4 91:102
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Velocities

S001 1 7326 R GSFC	.0038	.0005	.0043	-.0032	.0048	.0000	-.4	.6	.0
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22006 MANILLE

Positions

S001 1 MANA C GRIM	-.0002	-.0030	-.0041	.0018	-.0034	-.0034	.0	-.1	-.1 95:104
S001 1 MANA D GRGS	-.0275	-.0116	.0101	.0295	.0088	.0067	.8	.5	.2 95:187
S001 1 MANA D IGN	.0062	.0241	-.0022	-.0178	-.0065	.0163	-.3	-.2	.3 96:348
S001 1 MANA D CSR	.0402	.0119	-.0061	-.0406	-.0032	-.0117	-.8	-.1	-.3 94:159

Velocities

S001 1 MANA C GRIM	.0005	.0031	-.0039	-.0020	-.0044	.0014	-.2	-.5	.1
S001 1 MANA D GRGS	.0021	-.0040	-.0027	.0002	-.0015	-.0051	.0	-.1	-.2
S001 1 MANA D IGN	.0003	.0018	-.0117	-.0012	-.0116	-.0016	.0	-.6	.0
S001 1 MANA D CSR	.0021	-.0056	-.0023	.0011	-.0007	-.0063	.0	.0	-.1

22306 BANGALORE

Positions

M001 1 IIISC P CODE	.0037	.0736	.0198	.0122	.0029	.0752	.2	.1	.7 95:353
M002 1 IIISC P CODE	.0006	.0048	.0026	.0005	.0015	.0053	.1	.4	.7 97:152
M002 1 IIISC P EMR	-.0137	-.0100	.0004	.0113	.0032	-.0123	1.0	.6	-.9 96:358
M002 1 IIISC P GFZ	.0005	-.0031	-.0018	-.0011	-.0011	-.0032	-.2	-.2	-.3 97:132
M002 1 IIISC P JPL	.0019	.0044	-.0003	-.0010	-.0013	.0045	-.1	-.2	.3 96:251

Velocities

M001 1 IIISC P CODE	-.0036	.0135	.0017	.0064	-.0011	.0125	.9	-.2	1.1
M002 1 IIISC P CODE	-.0036	.0135	.0017	.0064	-.0011	.0125	.9	-.2	1.1
M002 1 IIISC P EMR	-.0119	.0139	-.0003	.0146	-.0028	.0106	.6	-.2	.4
M002 1 IIISC P GFZ	-.0103	.0027	-.0018	.0107	-.0018	.0000	.8	-.4	.0
M002 1 IIISC P JPL	-.0057	.0046	.0017	.0065	.0009	.0036	.6	.1	.2

22601 SINGAPORE

Positions

M001 1 NTUS P CODE	-.0015	.0115	.0001	-.0013	-.0001	.0115	-.2	.0	.8 97:350
M001 1 NTUS P GFZ	-.0119	-.0025	-.0012	.0121	-.0012	.0004	.7	-.2	.0 97:299
M001 1 NTUS P NRCAN	.0015	-.0027	-.0008	-.0008	-.0007	-.0030	-.2	-.5	-.4 98: 44

Velocities

M001 1 NTUS P CODE	-.0160	.0474	-.0087	.0044	-.0099	.0496	.1	-.8	.8
M001 1 NTUS P GFZ	-.0001	-.0002	.0005	.0002	.0005	-.0001	.1	.4	-.1
M001 1 NTUS P NRCAN	.0149	-.0100	-.0079	-.0121	-.0076	-.0135	-.8	-1.4	-.5

23101 CIBINONG

Positions

S001 1 CIBB C GRIM	.0239	.0231	-.0495	-.0296	-.0475	.0207	-.6	-2.0	.5 95:223
S001 1 CIBB D GRGS	-.0421	-.0077	.0282	.0425	.0286	.0016	1.1	1.7	.1 95:276
S001 1 CIBB D IGN	.0134	.0285	-.0062	-.0211	-.0035	.0240	-.3	-.1	.6 96:326
S001 1 CIBB D CSR	.0296	-.0031	-.0146	-.0275	-.0158	-.0098	-.5	-.5	-.2 94:184

Velocities

S001 1 CIBB C GRIM	.0002	.0012	-.0057	-.0006	-.0056	.0017	-.1	-.6	.2
S001 1 CIBB D GRGS	.0140	-.0082	-.0043	-.0110	-.0056	-.0113	-.4	-.4	-.5
S001 1 CIBB D IGN	-.0029	.0095	-.0072	.0000	-.0060	.0106	.0	-.3	.3
S001 1 CIBB D CSR	.0265	.0001	-.0144	-.0254	-.0152	-.0059	-.4	-.5	-.1

23501 COLOMBO

Positions

S001 1 COLA C GRIM	-.0704	-.0169	.0131	.0663	.0165	-.0273	1.4	.8	-.8 95:314
S001 1 COLA D IGN	.0255	.0244	-.0137	-.0208	-.0170	.0267	-.4	-.7	.8 97: 37
S001 1 COLA D CSR	-.0168	.0087	.0074	.0180	.0067	.0064	.4	.2	.2 94:162

Velocities

S001 1 COLA C GRIM	.0049	.0030	-.0065	-.0043	-.0070	.0030	-.4	-.8	.3
S001 1 COLA D IGN	-.0200	.0060	-.0031	.0207	-.0034	.0020	.4	-.2	.1
S001 1 COLA D CSR	-.0246	.0035	.0086	.0248	.0087	.0002	.6	.4	.0

23601 TAIPEI

Positions

M001 1 TAIW P CODE	.0032	-.0087	-.0009	.0018	.0031	-.0086	.5	.9	-2.1	96:100
M001 1 TAIW P EMR	-.0064	.0045	.0106	.0031	.0066	.0109	.5	1.3	1.6	96:140
M001 1 TAIW P GFZ	-.0002	.0060	.0037	-.0030	.0011	.0063	-.6	.2	1.1	96: 59
M001 1 TAIW P NRCAN	-.0019	.0021	.0015	.0005	.0002	.0032	.1	.1	.9	97: 15
M001 1 TAIW P JPL	-.0032	.0011	-.0003	.0021	-.0014	.0022	.3	-.3	.3	96:254

Velocities

M001 1 TAIW P CODE	-.0002	.0011	-.0013	-.0004	-.0016	.0004	-.1	-.7	.1
M001 1 TAIW P EMR	.0052	-.0020	-.0046	-.0033	-.0023	-.0059	-.4	-.4	-.7
M001 1 TAIW P GFZ	-.0019	.0034	-.0024	-.0001	-.0038	.0025	.0	-1.3	.6
M001 1 TAIW P NRCAN	.0044	-.0078	-.0021	.0003	.0019	-.0090	.1	.4	-1.5
M001 1 TAIW P JPL	.0065	-.0098	-.0029	-.0004	.0023	-.0119	-.1	.4	-1.3

23902 TAEJON

Positions

M001 1 TAEJ P CODE	-.0050	.0042	.0074	.0015	.0022	.0095	.4	.7	2.9	97:157
M001 1 TAEJ P NRCAN	.0013	-.0030	-.0022	.0008	.0001	-.0039	.3	.0	-1.6	97:247

Velocities

M001 1 TAEJ P CODE	.0056	-.0086	-.0098	.0007	-.0018	-.0141	.2	-.5	-3.8
M001 1 TAEJ P NRCAN	-.0013	.0026	.0044	-.0005	.0019	.0049	-.2	.6	1.6

23903 SUWON-SHI

Positions

M001 1 SUWN P CODE	-.0011	-.0018	.0011	.0020	.0013	.0001	.2	.1	.0	98:143
M001 1 SUWN P NRCAN	-.0001	-.0010	.0006	.0007	.0010	-.0002	.1	.1	.0	98:175

Velocities

M001 1 SUWN P CODE	-.0018	-.0034	.0020	.0035	.0026	-.0001	.3	.3	.0
M001 1 SUWN P NRCAN	.0065	-.0048	-.0029	-.0023	.0024	-.0079	.0	.0	-.1

24901 BAHRAIN

Positions

M002 1 BAHR P CODE	.0041	.0017	.0032	-.0021	.0012	.0049	-.6	.4	1.5	97:273
M002 1 BAHR P GFZ	.0046	.0085	.0034	.0018	-.0012	.0100	.2	-.1	1.1	97:205
M002 1 BAHR P NRCAN	-.0021	-.0020	-.0007	.0004	.0007	-.0029	.2	.4	-1.5	97:351

Velocities

M002 1 BAHR P CODE	.0043	.0041	.0028	-.0007	-.0002	.0066	-.1	.0	1.1
M002 1 BAHR P GFZ	.0005	.0013	-.0031	.0004	-.0034	-.0002	.4	-2.8	-.2
M002 1 BAHR P NRCAN	.0020	.0019	.0033	-.0003	.0017	.0039	-.1	.6	1.0

30101 HELWAN

Positions

S001 1 7831 L CGS	-.0051	-.0028	.0026	.0003	.0052	-.0038	.0	.4	-.2	92:136
S001 1 7831 L DUT	.0025	.0050	.0118	.0029	.0078	.0100	.2	.4	.6	92:245
S001 1 7831 L1 GZ	-.0337	-.0292	-.0042	-.0074	.0182	-.0403	-.3	.8	-1.6	94: 99
S001 1 7831 C GRIM	.0057	-.0037	.0098	-.0061	.0071	.0074	-.3	.3	.3	92:232
S001 1 7831 L CSR	-.0110	.0054	-.0170	.0103	-.0114	-.0142	.8	-.8	-1.0	91:364

Velocities

S001 1 7831 L CGS	.0033	.0097	-.0067	.0066	-.0097	.0035	.9	-1.2	.4
S001 1 7831 L DUT	-.0106	-.0002	.0103	.0053	.0135	-.0028	.8	1.9	-.4
S001 1 7831 L1 GZ	.0111	.0002	.0010	-.0056	-.0039	.0088	-.2	-.2	.4
S001 1 7831 C GRIM	.0082	.0059	-.0077	.0007	-.0117	.0049	.1	-1.9	.8
S001 1 7831 L CSR	-.0024	-.0075	.0032	-.0051	.0057	-.0035	-1.0	1.0	-.6

30302 HARTEBEESTHOEK

Positions

M002 1 HART TIE30302	-.0037	-.0183	.0157	-.0145	.0089	-.0175	.0	.0	.0	93: 1
M002 1 HART P CODE	.0196	.0086	-.0057	-.0015	.0042	.0217	-.2	.8	3.1	96:169
M002 1 HART P EMR	.0150	.0009	-.0073	-.0062	-.0006	.0155	-1.0	-.1	2.3	97: 12
M002 1 HART P GFZ	-.0041	.0017	-.0051	.0034	-.0058	-.0003	.4	-.8	.0	96:132
M002 1 HART P NRCAN	-.0038	-.0035	.0001	-.0014	-.0021	-.0046	-.5	-1.0	-1.5	97:238
M003 1 7501 L CGS	-.0125	-.0046	.0089	.0017	.0022	-.0158	.1	.1	-.6	93: 1
M003 1 7501 L DUT	.0146	-.0043	.0140	-.0105	.0174	.0037	-.3	.6	.1	93: 1
M003 1 7501 L1 GZ	-.0056	.0138	.0046	.0148	.0048	-.0007	.3	.1	.0	93: 1
M003 1 7501 L CSR	.0009	.0043	.0145	.0034	.0142	-.0038	.1	.6	-.1	93:201
M004 1 HRAO P CODE	-.0043	-.0017	-.0009	.0005	-.0028	-.0038	.1	-.5	-.5	97:297
M004 1 HRAO P NRCAN	-.0022	-.0024	-.0006	-.0011	-.0019	-.0025	-.2	-.5	-.5	98: 87
M007 1 HARK TIE30302	-.0015	-.0170	.0193	-.0144	.0133	-.0168	.0	.0	.0	93: 1
M007 1 HARK P CODE	-.0080	-.0040	.0013	.0002	-.0028	-.0086	.0	-.5	-1.1	97:293
M007 1 HARK P GFZ	-.0174	-.0028	.0028	.0056	-.0048	-.0163	.4	-.4	-1.0	97:141
S001 1 7232 TIE30302	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S001 1 7232 R GSFC	.0009	.0005	-.0034	.0000	-.0026	.0024	.0	-1.1	.8	95:246
S001 1 7232 R USNO	-.0025	.0005	-.0031	.0016	-.0037	-.0004	.6	-1.5	-.1	95:104
S001 1 7232 R NOAA	.0013	.0135	.0157	.0114	.0174	-.0001	1.3	2.6	.0	91:318
S001 1 7232 R GIUB	-.0040	.0004	-.0013	.0022	-.0027	-.0024	.7	-.8	-.7	94:129
S005 1 HBLA D GRGS	-.0516	.0974	-.0117	.1102	-.0107	.0048	1.2	-.2	.1	97:243
S005 1 HBLA D IGN	-.0814	.1277	.0127	.1509	.0059	-.0169	1.7	.1	-.2	97:271
S202 1 HBKA TIE30302	.0118	.0013	-.0063	-.0044	-.0008	.0126	.0	.0	.0	93: 1
S202 1 HBKA C GRIM	-.0022	-.0025	-.0204	-.0012	-.0197	.0061	.0	-1.1	.3	95:152
S202 1 HBKA D GRGS	-.0202	.0120	.0191	.0200	.0118	-.0195	.7	.7	-.9	95:116
S202 1 HBKA D IGN	-.0355	-.0061	.0366	.0111	.0180	-.0468	.2	.6	-1.2	96:361
S202 1 HBKA D CSR	-.0017	.0080	-.0289	.0079	-.0250	.0146	.2	-1.0	.5	94:141

Velocities

M002 1 HART P CODE	.0054	.0048	-.0014	.0018	.0018	.0069	.4	.4	1.2
M002 1 HART P EMR	-.0021	.0011	-.0011	.0019	-.0015	-.0008	.7	-.8	-.3
M002 1 HART P GFZ	.0011	.0034	.0059	.0025	.0064	-.0003	.6	2.5	-.1
M002 1 HART P NRCAN	-.0119	-.0055	-.0002	.0006	-.0059	-.0117	.2	-1.9	-2.7
M003 1 7501 L CGS	-.0007	.0225	.0170	.0203	.0196	.0014	.0	.0	.0
M003 1 7501 L DUT	-.0041	.0066	-.0010	.0078	-.0012	.0000	.0	.0	.0
M003 1 7501 L1 GZ	.0016	.0222	.0188	.0189	.0221	.0023	.0	.0	.0
M003 1 7501 L CSR	-.0037	-.0596	.0086	-.0511	-.0058	-.0316	-.2	.0	-.1
M004 1 HRAO P CODE	.0054	.0048	-.0014	.0018	.0018	.0069	.4	.4	1.2
M004 1 HRAO P NRCAN	.0031	.0018	.0030	.0002	.0043	.0019	.0	.4	.1
M007 1 HARK P CODE	.0054	.0048	-.0014	.0018	.0018	.0069	.4	.4	1.2
M007 1 HARK P GFZ	.0011	.0034	.0059	.0025	.0064	-.0003	.6	2.3	-.1
S001 1 7232 R GSFC	.0026	.0013	.0001	-.0001	.0013	.0026	-.1	1.3	1.8
S001 1 7232 R USNO	.0021	.0008	-.0002	-.0003	.0008	.0021	-.2	.8	1.5
S001 1 7232 R NOAA	.0027	.0045	.0030	.0027	.0046	.0027	.9	1.9	.8
S001 1 7232 R GIUB	.0020	-.0004	.0009	-.0013	.0015	.0010	-.9	1.1	.5
S005 1 HBLA D GRGS	.0045	.0028	-.0021	.0004	.0005	.0057	.0	.0	.3
S005 1 HBLA D IGN	-.0009	.0104	.0005	.0096	.0022	.0034	.2	.1	.1
S202 1 HBKA C GRIM	.0063	.0018	-.0013	-.0014	.0017	.0063	-.2	.2	.7
S202 1 HBKA D GRGS	.0045	.0028	-.0021	.0004	.0005	.0057	.0	.0	.3
S202 1 HBKA D IGN	-.0009	.0104	.0005	.0096	.0022	.0034	.2	.1	.1
S202 1 HBKA D CSR	.0094	.0038	-.0083	-.0010	-.0030	.0127	.0	-.1	.4

30313 MARION ISLAND

Positions

S001 1 MARA C GRIM	-.0015	.0327	.0087	.0268	.0197	.0065	1.0	.8	.3	95: 50
S001 1 MARA D GRGS	.0129	.0020	-.0083	-.0064	.0027	.0139	-.3	.1	.7	95:136
S001 1 MARA D IGN	-.0012	-.0137	-.0103	-.0101	-.0139	.0011	-.3	-.4	.0	96:345
S001 1 MARA D CSR	-.0134	-.0208	-.0113	-.0082	-.0248	-.0077	-.3	-.9	-.3	93:336

Velocities

S001 1 MARA C GRIM	.0026	-.0029	-.0068	-.0039	-.0044	.0052	-.4	-.5	.6
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S001 1 MARA D GRGS	.0014	-.0037	.0040	-.0038	.0019	-.0037	-.3	.1	-.3
S001 1 MARA D IGN	.0045	.0053	-.0025	.0014	.0033	.0064	.1	.2	.3
S001 1 MARA D CSR	-.0060	-.0045	-.0122	.0001	-.0138	.0038	.0	-.4	.1

30314 SUTHERLAND

Positions

M001 1 7502 TIE30314	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M001 1 7502 L CGS	-.0215	-.0129	.0176	-.0045	.0017	-.0303	-.2	.1	-1.1 93: 1
M001 1 7502 L DUT	.0088	.0015	.0136	-.0018	.0162	.0001	-.1	.6	.0 93: 1
M001 1 7502 L1 GZ	-.0119	.0101	.0140	.0137	.0077	-.0139	.3	.2	-.3 93: 1
M001 1 7502 L CSR	-.0162	-.0015	.0225	.0044	.0106	-.0252	.2	.4	-1.0 93:252
M002 1 SUTH TIE30314	-.0004	-.0002	.0002	.0000	-.0001	-.0005	.0	.0	.0 93: 1
M002 1 SUTH P CODE	.0008	.0019	-.0040	.0015	-.0026	.0034	.2	-.3	.3 98:143
M002 1 SUTH P NRCAN	.0021	-.0003	-.0041	-.0010	-.0025	.0037	-.2	-.4	.5 98:160

Velocities

M001 1 7502 L CGS	.0025	.0160	.0115	.0140	.0140	.0006	.0	.0	.0
M001 1 7502 L DUT	-.0057	.0001	-.0063	.0021	-.0082	-.0012	.0	.0	.0
M001 1 7502 L1 GZ	.0049	.0155	.0135	.0128	.0168	.0013	.0	.0	.0
M001 1 7502 L CSR	.1062	.0608	.0300	.0191	.0901	.0861	.1	.4	.3
M002 1 SUTH P CODE	-.0017	-.0103	-.0073	-.0090	-.0089	-.0006	-.8	-.9	-.1
M002 1 SUTH P NRCAN	.0127	.0122	-.0115	.0068	-.0010	.0198	.1	.0	.3

30602 ASCENSION

Positions

M001 1 ASC1 P CODE	-.0018	-.0042	.0008	-.0045	.0007	-.0008	-.7	.2	-.1 97:173
M001 1 ASC1 P GFZ	.0004	.0061	-.0006	.0060	-.0007	-.0010	.7	-.1	-.1 97: 43
M001 1 ASC1 P NRCAN	-.0001	-.0006	-.0012	-.0006	-.0011	.0002	-.2	-.7	.0 97:256

Velocities

M001 1 ASC1 P CODE	.0019	-.0004	-.0010	.0001	-.0007	.0021	.0	-.1	.1
M001 1 ASC1 P GFZ	-.0098	.0119	.0017	.0090	.0000	-.0126	.6	.0	-.4
M001 1 ASC1 P NRCAN	-.0072	.0027	-.0008	.0008	-.0018	-.0075	.2	-.8	-1.0

30604 TRISTAN DA CUNHA

Positions

S001 1 TRIA C GRIM	.0423	.0183	.0466	.0269	.0597	.0018	.9	2.9	.1 95:129
S001 1 TRIA D GRGS	.0006	-.0371	-.0109	-.0361	-.0036	.0133	-1.3	-.2	.7 95:166
S001 1 TRIA D IGN	-.0326	.0050	-.0427	-.0021	-.0539	-.0006	.0	-1.8	.0 97: 15
S001 1 TRIA D CSR	.0028	.0093	.0247	.0097	.0202	-.0143	.3	.8	-.6 94:106

Velocities

S001 1 TRIA C GRIM	.0019	-.0015	-.0065	-.0011	-.0039	.0057	-.1	-.5	.7
S001 1 TRIA D GRGS	.0038	.0004	.0116	.0012	.0114	-.0041	.1	.9	-.3
S001 1 TRIA D IGN	.0124	-.0063	.0122	-.0035	.0178	.0034	-.1	1.0	.2
S001 1 TRIA D CSR	.0082	-.0117	.0062	-.0097	.0112	.0046	-.3	.4	.2

30606 SAINTE-HELENE

Positions

S002 1 HELA C GRIM	-.0106	.0470	.0500	.0457	.0439	-.0283	.8	1.7	-.8 95: 26
S002 1 HELA D GRGS	.0146	-.0585	.0127	-.0567	.0178	.0161	-1.4	.9	.7 95: 38
S002 1 HELA D IGN	-.0028	.0013	-.0482	.0010	-.0472	.0104	.0	-1.4	.2 96:228
S002 1 HELA D CSR	.0028	.0211	.0074	.0213	.0073	-.0013	.4	.2	.0 94:169
S003 1 HELB D GRGS	.0728	-.0245	.0130	-.0172	.0331	.0684	.0	.1	.1 95:155

Velocities

S002 1 HELA C GRIM	.0049	-.0010	-.0051	-.0005	-.0035	.0062	.0	-.4	.6
S002 1 HELA D GRGS	.0070	-.0107	.0100	-.0099	.0119	.0050	-.3	.8	.2
S002 1 HELA D IGN	.0134	.0015	.0063	.0028	.0097	.0109	.1	.5	.5

S002 1 HELA D CSR	-.0071	-.0008	.0052	-.0015	.0030	-.0081	.0	.1	-.2
S003 1 HELB D GRGS	.0070	-.0107	.0100	-.0099	.0119	.0050	-.3	.8	.2

30802 DIEGO GARCIA

Positions

M001 1 DGAR P CODE	.0015	-.0019	-.0011	-.0020	-.0013	-.0012	-.3	-.4	-.1 97:246
M001 1 DGAR P GFZ	-.0060	-.0031	-.0006	.0047	-.0012	-.0047	.4	-.2	-.2 97:197

Velocities

M001 1 DGAR P CODE	.0439	.0227	-.0221	-.0349	-.0176	.0374	-2.2	-2.7	1.5
M001 1 DGAR P GFZ	-.0004	.0001	.0014	.0004	.0014	-.0002	.3	1.2	-.2

31303 MASPALOMAS

Positions

M001 1 MASP P CODE	.0018	-.0021	.0027	-.0015	.0013	.0033	-.3	.2	.4 94:137
M001 1 MASP P GFZ	-.0138	-.0029	-.0039	-.0065	.0024	-.0129	-1.4	.4	-2.1 95:358
M002 1 MAS1 P CODE	.0020	-.0036	.0026	-.0029	.0010	.0038	-1.1	.3	.9 96:315
M002 1 MAS1 P GFZ	-.0133	-.0026	-.0039	-.0060	.0021	-.0125	-1.3	.4	-2.1 96: 24
M002 1 MAS1 P NRCAN	-.0009	-.0009	-.0004	-.0011	-.0001	-.0008	-.7	.0	-.3 97:177
M002 1 MAS1 P EUR	.0037	.0005	.0017	.0015	-.0001	.0039	.6	.0	.7 97:180
M002 1 MAS1 P JPL	-.0022	-.0001	-.0003	-.0007	.0007	-.0020	-.2	.2	-.4 96: 62

Velocities

M001 1 MASP P CODE	.0007	-.0004	.0006	-.0002	.0002	.0010	-.1	.1	.3
M001 1 MASP P GFZ	.0048	.0015	.0003	.0027	-.0017	.0038	1.0	-.7	1.2
M002 1 MAS1 P CODE	.0007	-.0004	.0006	-.0002	.0002	.0010	-.1	.1	.3
M002 1 MAS1 P GFZ	.0046	.0016	.0005	.0028	-.0014	.0038	1.0	-.6	1.2
M002 1 MAS1 P NRCAN	.0015	-.0013	.0012	-.0008	.0003	.0021	-.4	.1	.6
M002 1 MAS1 P EUR	-.0023	.0003	-.0002	-.0003	.0009	-.0021	-.1	.1	-.2
M002 1 MAS1 P JPL	-.0034	.0005	-.0041	-.0004	-.0020	-.0049	-.2	-.7	-1.3

31901 FLORES

Positions

S001 1 FLOA D IGN	.0110	-.0300	.0226	-.0200	.0016	.0336	-.1	.0	.3 92:245
S001 1 FLOA D CSR	-.0615	.0719	.0145	.0298	.0683	-.0601	.4	1.2	-1.0 93: 43

Velocities

S001 1 FLOA D IGN	-.0838	.0397	-.0017	-.0093	.0573	-.0723	-.1	.9	-1.1
S001 1 FLOA D CSR	-.0596	.0869	-.0064	.0436	.0561	-.0782	.2	.3	-.4

31903 SANTA MARIA

Positions

S001 1 SAMB TIE31903	-.0122	-.0211	-.0084	-.0243	-.0054	-.0067	.0	.0	.0 93: 1
S001 1 SAMB C GRIM	-.0112	-.0280	-.0232	-.0301	-.0196	-.0125	-.5	-.4	-.3 95:260
S001 1 SAMB D GRGS	-.0508	.0191	.0054	-.0043	.0369	-.0399	-.1	1.2	-1.2 95:252
S001 1 SAMB D IGN	.0453	.0061	.0123	.0248	-.0133	.0381	.4	-.3	.9 96:109
S001 1 SAMB D CSR	.0266	-.1024	-.0009	-.0814	-.0414	.0535	-1.1	-.7	.9 95: 77

Velocities

S001 1 SAMB C GRIM	.0072	-.0001	.0006	.0030	-.0034	.0055	.3	-.4	.6
S001 1 SAMB D GRGS	-.0037	-.0163	-.0008	-.0163	-.0028	.0024	-.4	-.1	.1
S001 1 SAMB D IGN	-.0327	-.0384	.0123	-.0487	.0178	-.0032	-1.0	.6	-.1
S001 1 SAMB D CSR	-.0121	-.0263	.0156	-.0289	.0123	.0096	-.3	.1	.1

31906 SAO MIGUEL

Positions

M001 1 7609 TIE31903	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M001 1 7609 R GSFC	-.0036	.0014	-.0019	-.0003	.0008	-.0042	.0	.0	-.2 92:152

M001 1 7609 R USNO	-.0033	.0002	.0001	-.0013	.0020	-.0024	.0	.0	.0	97: 1
M001 1 7609 R NOAA	-.0085	.0077	-.0124	.0032	-.0031	-.0162	.2	-.1	-.6	93: 1

Velocities

M001 1 7609 R GSFC	-.0009	-.0018	.0000	-.0020	.0000	.0000	-.2	.0	.0
M001 1 7609 R USNO	-.0004	-.0005	-.0009	-.0006	-.0007	-.0007	.0	.0	.0
M001 1 7609 R NOAA	.0003	.0020	.0015	.0019	.0016	.0005	.0	.0	.0

32809 LIBREVILLE

Positions

S002 1 LIBA C GRIM	-.0436	.0706	.0089	.0769	.0091	-.0311	1.5	.4	-.8	95:153
S002 1 LIBA D GRGS	.0154	-.0283	-.0078	-.0305	-.0079	.0103	-.8	-.5	.4	95:212
S002 1 LIBA D IGN	.0119	-.0145	.0050	-.0163	.0049	.0093	-.3	.2	.2	97: 36
S002 1 LIBA D CSR	.0111	.0143	.0124	.0122	.0123	.0134	.2	.4	.4	94: 83

Velocities

S002 1 LIBA C GRIM	.0054	.0001	-.0039	-.0008	-.0039	.0053	-.1	-.4	.6
S002 1 LIBA D GRGS	.0007	.0047	.0055	.0045	.0055	.0015	.2	.5	.1
S002 1 LIBA D IGN	.0092	.0057	.0003	.0040	.0002	.0101	.1	.0	.5
S002 1 LIBA D CSR	-.0017	.0139	.0121	.0140	.0121	.0007	.3	.4	.0

33201 MALINDI

Positions

M001 1 MALI P CODE	.0006	-.0103	.0027	-.0082	.0024	-.0063	-1.0	.9	-.7	97: 40
M001 1 MALI P EMR	.0036	.0054	.0002	.0017	.0005	.0062	.1	.1	.4	96:321
M001 1 MALI P GFZ	-.0122	.0030	-.0014	.0102	-.0018	-.0073	1.1	-.4	-.8	96:353
M001 1 MALI P NRCAN	-.0001	-.0003	-.0007	-.0001	-.0007	-.0003	.0	-.7	-.1	97:238
M001 2 MALI P CODE	-.0027	-.0012	-.0008	.0008	-.0010	-.0028	.1	-.3	-.2	98: 67

Velocities

M001 1 MALI P CODE	-.0115	-.0135	.0023	-.0028	.0014	-.0176	-.2	.4	-1.1
M001 1 MALI P EMR	.0190	-.0171	-.0005	-.0253	-.0003	.0035	-.9	-.1	.1
M001 1 MALI P GFZ	-.0060	.0036	.0045	.0066	.0043	-.0025	.4	1.1	-.1
M001 1 MALI P NRCAN	-.0058	-.0010	-.0011	.0030	-.0014	-.0050	.6	-1.0	-1.0
M001 2 MALI P CODE	-.0115	-.0135	.0023	-.0028	.0014	-.0176	-.2	.4	-1.1

33710 ARLIT

Positions

S001 1 ARLA TIE33710	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S001 1 ARLA D IGN	.0639	-.2597	.0378	-.2658	.0262	.0406	-.9	.2	.2	93:155
S001 1 ARLA D CSR	-.0453	.0253	.1043	.0309	.1122	-.0060	.1	.4	.0	93: 3
S002 1 ARMA TIE33710	.0006	-.0008	-.0001	-.0009	-.0002	.0004	.0	.0	.0	93: 1
S002 1 ARMA C GRIM	.0162	.0923	.0094	.0894	-.0001	.0295	.9	.0	.4	95:268
S002 1 ARMA D GRGS	.0217	.0068	-.0099	.0040	-.0166	.0180	.1	-.5	.4	95:115
S002 1 ARMA D IGN	-.0109	-.0370	.0128	-.0353	.0171	-.0106	-.4	.4	-.2	96:107
S002 1 ARMA D CSR	-.0212	.0265	.0378	.0290	.0415	-.0045	.3	.6	-.1	94:224

Velocities

S001 1 ARLA D IGN	.0185	-.0422	.0131	-.0442	.0083	.0164	-.7	.3	.4
S001 1 ARLA D CSR	.0145	.0144	.0099	.0124	.0042	.0186	.1	.1	.3
S002 1 ARMA C GRIM	.0058	.0029	-.0015	.0021	-.0034	.0053	.2	-.3	.5
S002 1 ARMA D GRGS	.0075	-.0058	.0078	-.0067	.0052	.0089	-.1	.2	.2
S002 1 ARMA D IGN	.0185	-.0422	.0131	-.0442	.0082	.0164	-.7	.3	.4
S002 1 ARMA D CSR	.0142	.0146	.0099	.0127	.0042	.0183	.1	.1	.3

34101 DAKAR

Positions

S004 1 DAKA C GRIM	-.0066	-.0342	.0219	-.0346	.0201	.0094	-.6	.8	.2	95:134
S004 1 DAKA D GRGS	-.0244	-.0372	.0212	-.0428	.0236	-.0064	-1.2	1.3	-.3	95:228

S004 1 DAKA D IGN	.0167	.0226	-.0273	.0265	-.0287	.0019	.5	-1.0	.1	97: 11
S004 1 DAKA D CSR	.0143	.0084	.0165	.0123	.0131	.0150	.2	.4	.4	94:180

Velocities

S004 1 DAKA C GRIM	.0072	.0026	-.0049	.0046	-.0063	.0047	.5	-.7	.5
S004 1 DAKA D GRGS	.0022	-.0118	.0098	-.0106	.0081	.0080	-.4	.6	.4
S004 1 DAKA D IGN	-.0005	-.0041	.0067	-.0040	.0063	.0024	-.1	.4	.1
S004 1 DAKA D CSR	-.0006	-.0057	.0232	-.0057	.0221	.0070	-.1	.6	.2

39801 SEYCHELLES

Positions

M001 1 SEY1 P CODE	.0021	.0005	.0025	-.0014	.0027	.0014	.0	.4	.0	96:342
M001 1 SEY1 P GFZ	-.0132	.0129	-.0029	.0182	-.0026	.0034	.5	-.3	.1	96: 82
M001 1 SEY1 P NRCAN	-.0045	.0027	.0008	.0053	.0007	-.0004	.3	.2	.0	96:261

Velocities

M001 1 SEY1 P CODE	.0034	-.0021	.0020	-.0040	.0020	.0000	-.5	.3	.0
M001 1 SEY1 P GFZ	-.0002	-.0096	.0048	-.0053	.0041	-.0084	-.1	.3	-.2
M001 1 SEY1 P NRCAN	.0239	.0059	-.0017	-.0163	-.0002	.0185	-.5	.0	.5

39901 DJIBOUTI

Positions

S002 1 DJIA C GRIM	-.0084	-.0053	-.0134	.0018	-.0111	-.0123	.1	-.5	-.3	95:191
S002 1 DJIA D GRGS	-.0170	.0172	.0031	.0241	.0032	-.0001	.9	.2	.0	95:220
S002 1 DJIA D IGN	.0048	-.0054	.0104	-.0072	.0103	.0020	-.2	.4	.0	97: 44
S002 1 DJIA D CSR	.0427	.0021	-.0344	-.0274	-.0402	.0252	-.7	-1.5	.7	94:177

Velocities

S002 1 DJIA C GRIM	.0036	.0018	-.0029	-.0011	-.0036	.0032	-.1	-.4	.3
S002 1 DJIA D GRGS	.0092	-.0006	-.0028	-.0067	-.0041	.0057	-.3	-.4	.3
S002 1 DJIA D IGN	.0045	.0127	-.0068	.0063	-.0091	.0103	.2	-.6	.3
S002 1 DJIA D CSR	.0139	-.0019	-.0038	-.0109	-.0055	.0080	-.3	-.2	.2

40101 ST. JOHNS

Positions

M001 1 STJO P CODE	.0033	-.0009	.0047	.0020	.0012	.0053	.9	.5	2.1	96:288
M001 1 STJO P EMR	-.0024	.0015	-.0065	-.0010	-.0024	-.0066	-.3	-.6	-1.7	96:194
M001 1 STJO P GFZ	-.0107	-.0074	.0014	-.0130	.0014	.0007	-3.2	.3	.1	96: 38
M001 1 STJO P NRCAN	.0001	.0011	.0000	.0007	.0006	-.0005	.6	.4	-.3	97:193
M001 1 STJO P JPL	-.0017	.0012	-.0014	-.0006	.0005	-.0023	-.3	.2	-.9	95:128

Velocities

M001 1 STJO P CODE	.0002	.0007	-.0010	.0006	-.0003	-.0011	.5	-.2	-.7
M001 1 STJO P EMR	-.0001	.0043	-.0022	.0026	.0011	-.0040	.7	.3	-1.0
M001 1 STJO P GFZ	.0048	-.0013	.0022	.0030	-.0014	.0043	1.3	-.6	1.7
M001 1 STJO P NRCAN	.0000	.0009	-.0012	.0006	-.0003	-.0014	.4	-.2	-.7
M001 1 STJO P JPL	.0004	-.0011	.0002	-.0004	-.0007	.0009	-.2	-.4	.5

40102 OTTAWA

Positions

S005 1 OTTA TIE40102	-.0241	-.0560	-.1231	-.0371	-.1208	-.0537	.0	-.1	-.1	93: 1
S005 1 OTTA C GRIM	.0123	-.0139	.0159	.0085	-.0006	.0229	.3	.0	1.0	95:231
S007 1 OTTA D IGN	-.0695	.0206	-.0285	-.0622	.0065	-.0463	-.4	.1	-.5	94:219
S007 1 OTTA D CSR	-.0976	.0066	.0101	-.0929	.0288	-.0143	-1.2	.4	-.2	93: 82
S009 1 OTTA D GRGS	.0211	-.0091	.0191	.0182	.0034	.0235	.7	.2	1.4	95:262
S009 1 OTTA D IGN	-.0136	.0241	.0154	-.0073	.0298	-.0078	-.2	1.2	-.3	96:314
S009 1 OTTA D CSR	-.0027	-.0229	-.0997	-.0082	-.0853	-.0558	-.2	-2.5	-1.6	94:321

Velocities

S005	1	OTTA	C	GRIM	-.0030	-.0027	-.0045	-.0036	-.0045	-.0019	-.4	-.5	-.2
S007	1	OTTA	D	IGN	.0050	.0057	-.0204	.0063	-.0112	-.0175	.2	-.6	-1.0
S007	1	OTTA	D	CSR	.0168	.0158	.0112	.0202	.0158	.0001	.4	.3	.0
S009	1	OTTA	D	GRGS	-.0040	.0025	-.0015	-.0032	.0014	-.0035	-.2	.1	-.3
S009	1	OTTA	D	IGN	.0050	.0057	-.0204	.0063	-.0112	-.0175	.2	-.6	-1.0
S009	1	OTTA	D	CSR	.0168	.0158	.0112	.0202	.0158	.0001	.4	.3	.0

40104 ALGONQUIN

Positions

M002	1	ALGO	TIE40102	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M002	1	ALGO	P CODE	.0020	-.0007	.0049	.0018	.0027	.0043	1.0	1.0	1.6	96:282
M002	1	ALGO	P EMR	.0017	-.0008	-.0027	.0015	-.0027	-.0012	.5	-.8	-.4	96:343
M002	1	ALGO	P GFZ	-.0096	-.0078	.0031	-.0110	-.0019	.0061	-2.9	-.4	1.2	96: 33
M002	1	ALGO	P NRCAN	-.0002	-.0002	.0014	-.0003	.0009	.0011	-.3	.6	.8	97:225
M002	1	ALGO	P JPL	.0003	-.0033	.0018	-.0004	-.0011	.0036	-.2	-.3	1.1	96: 36
M003	1	7410	TIE40102	.0004	-.0001	-.0008	.0004	-.0007	-.0004	.0	.0	.0	93: 1
M003	1	7410	L CGS	-.0457	.0048	.0123	-.0438	.0187	-.0010	-.4	.1	.0	93: 1
M003	1	7410	L DUT	-.0004	.0031	.0072	.0003	.0073	.0030	.0	.3	.1	93: 1
M003	1	7410	L1 GZ	-.0062	-.0023	.0096	-.0066	.0060	.0075	-.4	.3	.4	93: 1
M003	1	7410	C GRIM	.0037	.0014	-.0040	.0039	-.0023	-.0033	.2	-.1	-.1	93:216
M003	1	7410	L CSR	-.0024	.0137	.0043	.0004	.0130	-.0066	.0	.5	-.2	93:221
S001	1	7282	TIE40102	-.0004	-.0087	.0097	-.0022	.0006	.0128	.0	.0	.0	93: 1
S001	1	7282	R GSFC	-.0009	.0036	-.0029	-.0001	.0006	-.0046	-.1	.2	-1.5	96:225
S001	1	7282	R USNO	-.0020	.0074	-.0078	-.0004	.0001	-.0109	-.4	.0	-4.0	96:206
S001	1	7282	R NOAA	.0011	.0035	-.0088	.0018	-.0038	-.0085	.7	-.9	-2.0	91:338
S001	1	7282	R GIUB	.0010	-.0018	.0009	.0006	-.0008	.0020	.4	-.3	.8	94:285

Velocities

M002	1	ALGO	P CODE	.0009	-.0010	.0010	.0007	-.0001	.0016	1.2	-.1	1.9	
M002	1	ALGO	P EMR	.0009	-.0009	.0006	.0007	-.0003	.0012	.7	-.2	.7	
M002	1	ALGO	P GFZ	.0020	-.0007	-.0004	.0018	-.0010	.0005	.9	-.4	.2	
M002	1	ALGO	P NRCAN	-.0008	.0026	-.0023	-.0003	.0003	-.0035	-.2	.2	-1.9	
M002	1	ALGO	P JPL	-.0003	.0010	-.0001	-.0001	.0007	-.0008	-.1	.3	-.3	
M003	1	7410	L CGS	-.0160	-.0028	-.0005	-.0162	.0000	-.0008	.0	.0	.0	
M003	1	7410	L DUT	.0057	-.0032	-.0039	.0049	-.0058	.0002	.0	.0	.0	
M003	1	7410	L1 GZ	-.0173	-.0011	.0008	-.0171	.0024	-.0011	.0	.0	.0	
M003	1	7410	C GRIM	-.0026	-.0011	.0026	-.0028	.0014	.0022	-.3	.1	.2	
M003	1	7410	L CSR	.0422	-.0107	-.0134	.0391	-.0231	.0037	.2	-.1	.0	
S001	1	7282	R GSFC	-.0001	.0004	-.0007	-.0001	-.0002	-.0008	-.2	-.3	-1.5	
S001	1	7282	R USNO	-.0001	.0002	-.0003	.0000	.0000	-.0004	-.1	.0	-.7	
S001	1	7282	R NOAA	-.0001	-.0001	-.0002	-.0001	-.0002	-.0001	-.2	-.1	-.1	
S001	1	7282	R GIUB	.0003	.0004	-.0005	.0004	-.0001	-.0006	1.0	-.1	-.7	

40105 PENTICTON

Positions

M001	1	7283	TIE40105	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M001	1	7283	R GSFC	-.0054	-.0112	.0167	.0009	.0015	.0208	.0	.0	.5	89: 10
M001	1	7283	R USNO	.0163	.0468	-.0401	-.0090	.0109	-.0622	-.2	.1	-.7	91:274
M001	1	7283	R NOAA	-.0100	-.0197	.0185	.0011	-.0046	.0284	.0	-.1	.4	89: 62
M002	1	DRAO	TIE40105	.0004	-.0003	.0000	.0005	.0000	.0000	.0	.0	.0	93: 1
M002	1	DRAO	P CODE	.0022	.0022	.0025	.0008	.0039	-.0001	.4	1.6	.0	96:257
M002	1	DRAO	P EMR	-.0006	-.0018	-.0013	.0004	-.0023	.0002	.1	-.7	.1	96:311
M002	1	DRAO	P GFZ	-.0104	-.0018	-.0011	-.0082	-.0058	.0035	-2.1	-1.2	.7	96:137
M002	1	DRAO	P NRCAN	-.0006	.0011	.0014	-.0010	.0015	.0006	-.8	.9	.3	97:256
M002	1	DRAO	P JPL	.0013	.0001	-.0015	.0010	-.0004	-.0017	.4	-.1	-.5	96:156

Velocities

M001	1	7283	R GSFC	.0067	.0137	-.0181	-.0010	-.0002	-.0236	-.1	.0	-1.2	
M001	1	7283	R USNO	.0022	.0128	-.0094	-.0044	.0031	-.0151	-.4	.2	-.7	
M001	1	7283	R NOAA	.0144	.0260	-.0338	-.0003	.0005	-.0450	.0	.0	-1.5	
M002	1	DRAO	P CODE	.0001	-.0008	.0007	.0005	.0000	.0009	.7	.0	1.1	

M002 1 DRAO P EMR	.0007	.0000	-.0019	.0006	-.0010	-.0017	.4	-.5	-.8
M002 1 DRAO P GFZ	.0005	-.0003	-.0007	.0005	-.0004	-.0005	.3	-.3	-.3
M002 1 DRAO P NRCAN	.0010	.0006	.0016	.0006	.0018	.0006	.4	.8	.3
M002 1 DRAO P JPL	-.0019	-.0006	.0016	-.0013	.0000	.0022	-.6	.0	.8

40114 OTTAWA NRC

Positions

M001 1 NRC1 P CODE	.0027	.0010	.0050	.0029	.0037	.0033	1.1	.7	.6 98:106
M001 1 NRC1 P EMR	.0005	.0010	-.0055	.0007	-.0032	-.0045	.2	-.8	-1.2 96:203
M001 1 NRC1 P NRCAN	.0000	.0004	.0009	.0001	.0010	.0004	.1	.4	.2 97:357

Velocities

M001 1 NRC1 P CODE	.0055	.0008	.0080	.0055	.0052	.0061	.5	.4	.4
M001 1 NRC1 P EMR	-.0014	.0030	-.0047	-.0006	-.0010	-.0057	-.2	-.3	-1.4
M001 1 NRC1 P NRCAN	.0011	.0002	.0007	.0011	.0004	.0005	.4	.1	.1

40118 WHITEHORSE

Positions

M001 1 7284 R GSFC	-.0238	-.0250	.0550	.0008	-.0032	.0648	.0	-.1	1.0 86:223
M001 1 7284 R USNO	-.0048	-.0275	.0429	.0161	.0011	.0485	.2	.0	.4 86:242
M001 1 7284 R NOAA	.0194	.0175	-.0423	.0013	.0021	-.0497	.1	.1	-1.4 88:237
M001 2 7284 R GSFC	-.2270	-.1430	.2260	-.0590	-.1177	.3252	-.4	-.5	1.0 97: 1
M001 2 7284 R USNO	-.2189	-.1275	.2379	-.0643	-.0973	.3274	-.4	-.4	1.0 97: 1

Velocities

M001 1 7284 R GSFC	-.0286	-.0182	.0272	-.0073	-.0156	.0399	-.4	-.5	1.0
M001 1 7284 R USNO	-.0281	-.0160	.0299	-.0086	-.0126	.0413	-.4	-.5	1.0
M001 1 7284 R NOAA	.0154	.0167	-.0325	-.0009	.0039	-.0395	-.1	.2	-1.2
M001 2 7284 R GSFC	-.0100	.0211	-.0484	-.0220	-.0169	-.0460	.0	.0	.0
M001 2 7284 R USNO	-.0102	.0171	-.0486	-.0193	-.0196	-.0448	.0	.0	.0

40124 CALGARY

Positions

M001 1 PRDS P NRCAN	.0000	.0003	.0018	-.0001	.0014	.0012	.0	.3	.2 98: 36
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Velocities

M001 1 PRDS P NRCAN	.0011	-.0007	.0011	.0013	.0005	.0010	.1	.0	.0
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40127 YELLOWKNIFE

Positions

M001 1 7285 TIE40127	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M001 1 7285 R GSFC	-.0045	-.0196	.0483	.0041	.0049	.0519	.2	.1	.8 85:149
M001 1 7285 R USNO	-.0063	-.0335	.0580	.0081	-.0025	.0667	.1	.0	.3 85:265
M001 1 7285 R NOAA	-.0076	-.0145	.0344	-.0009	.0014	.0381	.0	.0	.4 85:297
M003 1 YELL TIE40127	-.0002	.0010	.0008	-.0006	.0011	.0003	.0	.0	.0 93: 1
M003 1 YELL P CODE	-.0061	-.0009	.0177	-.0052	.0052	.0173	-1.1	.8	2.0 94: 37
M003 1 YELL P EMR	.0022	.0003	-.0067	.0018	-.0020	-.0064	.7	-.6	-1.6 97: 5
M003 1 YELL P GFZ	-.0134	-.0004	-.0051	-.0120	-.0076	-.0018	-3.4	-1.7	-.3 96: 16
M003 1 YELL P NRCAN	-.0002	.0001	.0025	-.0002	.0011	.0023	-.2	.7	1.2 97:256
M003 1 YELL P JPL	-.0027	-.0020	.0045	-.0016	-.0005	.0054	-.4	-.1	.8 97:180
M003 2 YELL P CODE	.0023	.0021	.0026	.0012	.0037	.0010	.6	1.5	.3 97: 32
M004 1 7296 TIE40127	-.0016	.0014	-.0039	-.0020	-.0013	-.0037	.0	.0	.0 93: 1
M004 1 7296 R GSFC	-.0012	-.0033	.0106	.0003	.0018	.0110	.1	.5	2.1 93:232
M004 1 7296 R USNO	-.0008	-.0034	.0093	.0007	.0012	.0098	.1	.1	.7 93:149
M004 1 7296 R NOAA	-.0014	-.0074	.0024	.0018	-.0054	.0055	.5	-1.1	.8 92:326
S007 1 YELA TIE40127	.0026	-.0029	.0032	.0035	.0001	.0036	.0	.0	.0 93: 1
S007 1 YELA C GRIM	.0146	-.0200	-.0291	.0216	-.0243	-.0202	1.9	-2.4	-2.0 95:117
S007 1 YELA D GRGS	-.0099	.0351	-.0067	-.0235	.0216	-.0188	-1.5	1.6	-1.4 95:175
S007 1 YELA D IGN	-.0267	.0537	.0115	-.0466	.0389	-.0072	-1.6	1.6	-.3 96:287

S007 1 YELA D CSR	.0064	.0037	-.0154	.0043	-.0017	-.0165	.2	-.1	-.7	94:120
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Velocities

M001 1 7285 R GSFC	.0006	.0008	-.0025	.0002	-.0003	-.0026	.2	-.1	-.9
M001 1 7285 R USNO	.0007	.0011	-.0020	.0002	.0002	-.0024	.1	.1	-.9
M001 1 7285 R NOAA	.0015	.0058	-.0093	-.0011	.0009	-.0109	-.5	.2	-2.0
M003 1 YELL P CODE	-.0013	-.0022	.0043	-.0002	-.0002	.0050	-.3	-.1	2.2
M003 1 YELL P EMR	.0000	-.0026	.0036	.0011	-.0004	.0043	.8	-.2	1.8
M003 1 YELL P GFZ	.0000	-.0004	.0027	.0002	.0009	.0025	.1	.4	.8
M003 1 YELL P NRCAN	.0001	-.0014	.0039	.0006	.0007	.0040	.5	.4	1.6
M003 1 YELL P JPL	.0014	.0009	-.0037	.0009	-.0005	-.0040	.5	-.2	-1.1
M003 2 YELL P CODE	-.0013	-.0022	.0043	-.0002	-.0002	.0050	-.3	-.1	2.2
M004 1 7296 R GSFC	.0006	.0008	-.0025	.0002	-.0003	-.0026	.2	-.1	-.9
M004 1 7296 R USNO	.0007	.0011	-.0020	.0002	.0002	-.0024	.1	.1	-.9
M004 1 7296 R NOAA	.0015	.0058	-.0093	-.0011	.0009	-.0109	-.5	.2	-2.0
S007 1 YELA C GRIM	.0002	.0011	.0036	-.0003	.0026	.0027	.0	.4	.4
S007 1 YELA D GRGS	.0022	.0011	.0006	.0016	.0020	-.0003	.2	.2	.0
S007 1 YELA D IGN	.0027	-.0013	-.0105	.0030	-.0049	-.0093	.2	-.3	-.7
S007 1 YELA D CSR	.0098	-.0064	.0046	.0115	.0006	.0049	.5	.0	.2

40128 CHURCHILL

Positions

M002 1 CHUR P CODE	.0022	.0008	.0044	.0021	.0031	.0032	1.2	1.0	.9	97:241
M002 1 CHUR P EMR	-.0006	.0019	-.0076	-.0007	-.0024	-.0075	-.2	-.4	-1.0	96:114
M002 1 CHUR P NRCAN	.0000	.0012	.0007	-.0001	.0014	.0000	-.1	.5	.0	97:269

Velocities

M002 1 CHUR P CODE	.0000	.0007	-.0012	.0000	.0000	-.0014	.0	.0	-.2
M002 1 CHUR P EMR	.0020	.0001	-.0016	.0020	-.0006	-.0015	.3	-.1	-.1
M002 1 CHUR P NRCAN	.0009	.0009	-.0003	.0009	.0007	-.0008	.6	.2	-.1

40129 ALBERT_HEAD

Positions

M001 1 7289 TIE40129	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M001 1 7289 R GSFC	-.0078	.0018	.0150	-.0075	.0079	.0131	-.2	.1	.2	90:213
M001 1 7289 R USNO	-.0302	-.0525	.0411	.0038	-.0179	.0709	.0	-.1	.4	97: 1
M001 1 7289 R NOAA	.0187	.0034	.0034	.0137	.0121	-.0062	.3	.2	-.1	93: 1
M003 1 ALBH TIE40129	.0006	.0000	.0003	.0005	.0005	.0000	.0	.0	.0	93: 1
M003 1 ALBH P CODE	.0016	.0005	.0046	.0010	.0040	.0026	.4	1.4	.9	97:223
M003 1 ALBH P EMR	.0008	.0000	-.0032	.0007	-.0018	-.0027	.2	-.5	-.7	96:220
M003 1 ALBH P NRCAN	-.0008	.0009	.0013	-.0012	.0012	.0008	-.8	.6	.4	97:235
M003 1 ALBH P JPL	-.0001	-.0004	-.0004	.0001	-.0006	.0000	.0	-.1	.0	96:305

Velocities

M001 1 7289 R GSFC	.0070	.0003	.0037	.0056	.0055	.0000	.7	.7	.0
M001 1 7289 R USNO	-.0007	-.0004	-.0024	-.0003	-.0021	-.0013	.0	.0	.0
M001 1 7289 R NOAA	.0074	-.0011	.0039	.0067	.0050	.0008	.0	.0	.0
M003 1 ALBH P CODE	.0011	.0007	-.0010	.0005	.0002	-.0015	.2	.1	-.4
M003 1 ALBH P EMR	.0008	-.0018	.0004	.0017	-.0006	.0011	.5	-.2	.3
M003 1 ALBH P NRCAN	.0007	-.0002	.0011	.0007	.0009	.0007	.4	.4	.3
M003 1 ALBH P JPL	-.0013	-.0010	.0028	-.0005	.0007	.0031	-.2	.2	.8

40130 HOLBERG

Positions

M001 1 HOLB P NRCAN	-.0007	.0004	.0022	-.0008	.0013	.0017	-.1	.2	.2	98:133
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Velocities

M001 1 HOLB P NRCAN	-.0022	-.0027	.0045	.0000	.0002	.0057	.0	.0	.1
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40132 LA GRANDE

Positions

M001 1 7411 L CGS	.0738	-.0210	-.0211	.0682	-.0408	.0039	2.8	-1.0	.1	93: 1
M001 1 7411 L DUT	.0544	-.0225	-.0179	.0489	-.0371	.0050	1.5	-1.1	.2	93: 1
M001 1 7411 C GRIM	-.0787	-.0105	-.0301	-.0792	-.0135	-.0274	-1.7	-.2	-.3	94:244
M001 1 7411 L CSR	-.0724	.0685	.0043	-.0574	.0682	-.0448	-2.3	1.6	-1.0	94:243

Velocities

M001 1 7411 L CGS	-.1094	.0596	.0074	-.0954	.0689	-.0414	.0	.0	.0
M001 1 7411 L DUT	-.0859	.0588	.0051	-.0725	.0632	-.0401	.0	.0	.0
M001 1 7411 C GRIM	.0335	-.0154	-.0028	.0298	-.0192	.0107	3.0	-1.9	1.1
M001 1 7411 L CSR	-.0919	.0804	.0095	-.0742	.0838	-.0498	-.3	.3	-.2

40133 SCHEFFERVILLE

Positions

M001 1 SCHE P EMR	.0001	-.0020	-.0021	-.0007	-.0027	-.0006	-.1	-.4	-.1	96: 17
M001 1 SCHE P NRCAN	-.0025	-.0028	.0036	-.0033	.0008	.0039	-.4	.1	.3	96:118
M002 1 SCH2 P CODE	.0038	-.0001	.0052	.0035	.0017	.0052	1.1	.3	.9	98:107
M002 1 SCH2 P NRCAN	.0001	.0017	-.0009	.0007	.0008	-.0016	.3	.2	-.4	98: 82

Velocities

M001 1 SCHE P EMR	-.0028	.0003	.0011	-.0025	.0018	.0001	-.2	.1	.0
M001 1 SCHE P NRCAN	.0057	.0155	.0059	.0113	.0132	-.0021	.3	.2	.0
M002 1 SCH2 P CODE	-.0044	.0027	.0105	-.0030	.0095	.0061	-.2	.6	.4
M002 1 SCH2 P NRCAN	.0033	-.0056	.0126	.0008	.0020	.0140	.1	.1	.8

40134 WILLIAMS LAKE

Positions

M001 1 WILL P EMR	.0007	-.0005	-.0031	.0008	-.0020	-.0024	.3	-.5	-.6	96:278
M001 1 WILL P NRCAN	-.0014	-.0001	.0024	-.0012	.0008	.0024	-.4	.2	.6	97:146

Velocities

M001 1 WILL P EMR	.0004	-.0009	-.0005	.0008	-.0008	.0000	.2	-.2	.0
M001 1 WILL P NRCAN	.0002	-.0009	.0020	.0006	.0007	.0019	.2	.2	.4

40135 FLIN FLON

Positions

M001 1 FLIN P CODE	.0022	.0014	.0037	.0018	.0037	.0020	1.0	1.1	.6	97:247
M001 1 FLIN P EMR	.0012	.0010	-.0055	.0009	-.0022	-.0052	.2	-.2	-.5	97: 87
M001 1 FLIN P NRCAN	-.0002	.0009	.0008	-.0004	.0011	.0001	-.3	.4	.0	97:282

Velocities

M001 1 FLIN P CODE	.0003	.0001	-.0001	.0003	.0001	-.0002	.2	.0	.0
M001 1 FLIN P EMR	.0004	.0017	.0008	.0000	.0019	-.0004	.0	.1	.0
M001 1 FLIN P NRCAN	.0005	-.0004	.0014	.0006	.0006	.0013	.3	.1	.2

40136 WHITEHORSE GPS

Positions

M001 1 WHIT P CODE	.0016	.0004	.0055	.0009	.0039	.0041	.4	1.3	1.1	97:257
M001 1 WHIT P EMR	.0001	-.0018	-.0016	.0014	-.0018	-.0008	.4	-.4	-.1	97:112
M001 1 WHIT P NRCAN	-.0007	.0007	.0023	-.0010	.0011	.0020	-.6	.6	.8	97:326

Velocities

M001 1 WHIT P CODE	.0005	.0002	-.0012	.0002	-.0001	-.0013	.1	.0	-.2
M001 1 WHIT P EMR	.0009	-.0012	-.0024	.0015	-.0014	-.0020	.2	-.1	-.1
M001 1 WHIT P NRCAN	-.0007	-.0014	.0045	.0005	.0009	.0046	.2	.2	.9

40137 LAC DU BONNET

Positions

M001 1 DUBO P CODE	.0026	.0020	.0032	.0024	.0038	.0011	1.1	.7	.2	98:106
M001 1 DUBO P EMR	.0002	-.0047	.0006	.0007	-.0032	.0034	.1	-.3	.3	97:144
M001 1 DUBO P NRCAN	.0001	.0012	.0008	.0000	.0014	-.0002	.0	.3	.0	98:105

Velocities

M001 1 DUBO P CODE	-.0012	-.0022	.0064	-.0010	.0023	.0064	-.1	.2	.4	
M001 1 DUBO P EMR	.0047	-.0006	-.0004	.0047	-.0003	-.0002	.3	.0	.0	
M001 1 DUBO P NRCAN	-.0002	.0059	-.0064	-.0008	.0004	-.0087	-.1	.0	-.6	

40140 UCLUELET

Positions

M001 1 UCLU P NRCAN	-.0007	.0004	.0021	-.0008	.0014	.0016	-.1	.1	.2	98:140
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Velocities

M001 1 UCLU P NRCAN	-.0023	-.0030	.0048	-.0001	.0003	.0061	.0	.0	.1	
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40400 PASADENA

Positions

M001 1 7896 L CSR	-.0060	-.0250	-.0178	.0065	-.0287	.0106	.1	-.4	.1	80:327
M003 1 7263 TIE40400	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M003 1 7263 R GSFC	.0023	.0050	.0050	-.0003	.0072	-.0017	.0	.4	-.1	86:254
M003 1 7263 R USNO	-.0275	-.0594	.0526	.0038	.0068	.0836	.1	.1	1.6	87:116
M003 1 7263 R NOAA	.0107	.0113	-.0094	.0041	.0007	-.0177	.2	.0	-.8	87: 76
M006 1 JPL0 TIE40400	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M007 1 JPLM P GFZ	-.0092	-.0032	.0004	-.0066	-.0037	.0062	-1.4	-.7	1.2	96: 71
M007 1 JPLM P NRCAN	-.0009	.0015	-.0001	-.0015	.0005	-.0008	-.5	.2	-.2	97:130
M007 1 JPLM P JPL	-.0014	-.0005	.0011	-.0010	.0003	.0016	-.3	.1	.4	96:157
M101 1 WLSN P JPL	-.0001	-.0002	.0000	.0000	-.0001	.0002	.0	.0	.0	97:331
M301 1 BRAN P JPL	-.0002	-.0006	.0000	.0001	-.0003	.0005	.0	-.1	.1	96:351
S201 1 CIT1 P JPL	.0000	-.0002	-.0001	.0000	-.0002	.0001	.0	.0	.0	96:268

Velocities

M001 1 7896 L CSR	.0370	-.0625	-.0223	.0621	-.0396	.0186	.2	-.1	.1	
M003 1 7263 R GSFC	.0068	.0058	-.0039	.0032	.0015	-.0091	.4	.1	-.8	
M003 1 7263 R USNO	.0091	.0151	-.0050	.0009	.0058	-.0174	.1	.5	-1.5	
M003 1 7263 R NOAA	.0012	.0020	-.0024	.0001	-.0007	-.0033	.0	.0	-.1	
M007 1 JPLM P GFZ	-.0009	-.0015	.0002	-.0001	-.0008	.0015	.0	-.3	.5	
M007 1 JPLM P NRCAN	.0014	-.0023	.0011	.0023	.0001	.0018	.7	.0	.5	
M007 1 JPLM P JPL	-.0013	.0010	-.0006	-.0016	-.0004	-.0006	-.6	-.1	-.2	
M101 1 WLSN P JPL	-.0028	.0077	-.0040	-.0061	-.0002	-.0068	-1.0	.0	-1.1	
M301 1 BRAN P JPL	-.0029	-.0036	.0009	-.0009	-.0018	.0042	-.2	-.3	.7	
S201 1 CIT1 P JPL	-.0016	.0004	-.0008	-.0016	-.0009	-.0001	-.4	-.2	.0	

40403 PALOS_VERDES

Positions

M001 1 7268 R GSFC	.0018	.0042	.0052	-.0004	.0068	-.0009	.0	.3	.0	88:247
M001 1 7268 R USNO	-.0193	-.0374	.0335	.0008	.0045	.0536	.0	.1	.8	88:253
M001 1 7268 R NOAA	.0024	.0015	-.0053	.0014	-.0030	-.0050	.1	-.1	-.1	88:270
M002 1 FVEP P JPL	-.0001	.0000	-.0001	-.0001	-.0001	.0000	.0	.0	.0	98: 63

Velocities

M001 1 7268 R GSFC	-.0053	-.0102	.0105	.0002	.0023	.0154	.0	.1	.9	
M001 1 7268 R USNO	-.0017	-.0065	.0055	.0016	.0010	.0084	.1	.1	.5	
M001 1 7268 R NOAA	-.0078	-.0119	.0143	-.0012	.0040	.0197	-.1	.2	.9	
M002 1 FVEP P JPL	-.0011	.0009	-.0008	-.0013	-.0005	-.0007	-.4	-.2	-.2	

40404 HOLCOMB/PEARBLOS

Positions

M001 1 7254 R GSFC	.0041	.0104	.0014	-.0012	.0074	-.0083	-.1	.3	-.3	86: 69
M001 1 7254 R USNO	-.0323	-.0500	.0516	-.0052	.0089	.0781	-.1	.1	1.0	86:354
M001 1 7254 R NOAA	.0000	-.0096	.0027	.0045	-.0026	.0085	.2	-.1	.3	87: 40
M101 1 HOLC P JPL	.0001	.0001	-.0001	.0000	.0000	-.0001	.0	.0	.0	97: 0

Velocities

M001 1 7254 R GSFC	-.0033	-.0068	.0050	.0003	-.0001	.0091	.0	.0	.6
M001 1 7254 R USNO	-.0101	-.0141	.0100	-.0023	-.0015	.0198	-.1	-.1	1.0
M001 1 7254 R NOAA	-.0098	-.0148	.0112	-.0017	-.0008	.0209	-.1	.0	.8
M101 1 HOLC P JPL	-.0012	.0023	-.0012	-.0021	-.0001	-.0019	-.4	.0	-.3

40405 GOLDSTONE

Positions

M001 1 7085 TIE40405	-.0066	.0005	-.0117	-.0061	-.0110	-.0047	.0	.0	.0	93: 1
M001 1 7085 L CSR	-.2053	-.1385	-.2159	-.1205	-.3013	.0512	-.5	-.9	.2	78: 80
M002 1 7115 TIE40405	-.0232	-.0232	.0055	-.0102	-.0135	.0286	.0	.0	.0	93: 1
M002 1 7115 L CSR	-.0509	-.0925	.0487	-.0037	-.0211	.1142	-.1	-.5	2.9	80:199
M006 1 7265 TIE40405	.0078	.0140	-.0127	.0006	-.0011	-.0204	.0	.0	.0	93: 1
M006 1 7265 L CSR	.0059	.0259	-.0380	-.0064	-.0161	-.0430	-.1	-.3	-.7	84: 36
M013 1 7288 TIE40405	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M013 1 7288 R GSFC	-.0025	-.0031	.0050	-.0009	.0019	.0061	.0	.1	.2	91: 23
M013 1 7288 R USNO	-.0322	-.0559	.0334	-.0035	-.0100	.0719	-.1	-.1	1.0	97: 1
M013 1 7288 R NOAA	.0045	-.0018	-.0047	.0048	-.0036	-.0031	.2	-.1	-.1	89:125
M013 1 7288 L CGS	-.0607	.0110	-.0060	-.0592	-.0151	.0109	-.6	-.2	.1	93: 1
M013 1 7288 L DUT	-.0016	.0002	-.0089	-.0015	-.0075	-.0047	-.1	-.3	-.2	89:361
M013 1 7288 L GSFC	.0068	.0057	-.0048	.0035	.0008	-.0095	.2	.1	-.7	88:305
M013 1 7288 C GRIM	.0112	.0048	-.0127	.0078	-.0049	-.0150	.3	-.2	-.7	93: 1
M013 1 7288 L CSR	-.0027	.0100	-.0067	-.0069	-.0010	-.0102	-.5	-.1	-.6	89:306
S001 1 1514 TIE40405	-.0066	.0005	-.0117	-.0061	-.0110	-.0047	.0	.0	.0	93: 1
S005 1 GOMA TIE40405	-.0256	-.0257	.0029	-.0112	-.0176	.0298	.0	.0	.0	93: 1
S005 1 GOMA C GRIM	.0516	.0171	.0110	.0383	.0313	-.0251	1.2	1.3	-.9	95:325
S005 1 GOMA D GRGS	.0370	-.0016	.0103	.0338	.0172	-.0065	.9	.7	-.2	95:251
S005 1 GOMA D IGN	.0020	.0389	-.0009	-.0158	.0198	-.0296	-.3	.5	-.7	96:183
S005 1 GOMA D CSR	.0566	-.0668	.0634	.0807	.0321	.0644	1.3	.7	1.2	95:189
S009 1 7222 TIE40405	.0077	.0140	-.0129	.0005	-.0012	-.0205	.0	.0	.0	93: 1
S009 1 7222 R GSFC	-.0006	.0004	.0016	-.0007	.0013	.0009	-.4	.5	.4	91:241
S009 1 7222 R USNO	-.0005	-.0007	.0008	-.0002	.0002	.0012	-.1	.1	.7	91:110
S009 1 7222 R NOAA	.0032	.0017	-.0056	.0021	-.0029	-.0056	.9	-1.0	-2.1	89:301
S009 1 7222 R GIUB	-.0005	-.0017	.0016	.0004	.0003	.0023	.2	.1	1.1	91: 18
S009 2 7222 R GSFC	-.0009	-.0028	-.0001	.0005	-.0018	.0023	.1	-.2	.3	97: 1
S009 2 7222 R USNO	-.0031	-.0039	-.0006	-.0010	-.0034	.0036	-.2	-.4	.5	97: 1
S009 2 7222 R NOAA	.0054	.0026	-.0086	.0036	-.0043	-.0089	.6	-.5	-1.0	90:306
S009 2 7222 R GIUB	.0002	-.0026	.0028	.0014	.0010	.0035	.2	.1	.4	93: 1
S014 1 1513 TIE40405	-.0225	-.0220	.0065	-.0101	-.0119	.0281	.0	.0	.0	93: 1
S014 1 1513 R GSFC	-.0038	-.0013	.0079	-.0028	.0048	.0069	-.5	.6	.9	87:317
S014 1 1513 R USNO	.0020	.0037	-.0019	.0001	.0009	-.0045	.0	.0	-.2	90:241
S014 1 1513 R NOAA	.0016	.0005	-.0025	.0012	-.0013	-.0024	.2	-.1	-.3	89:295
S014 1 1513 R GIUB	-.0007	.0010	.0023	-.0010	.0023	.0008	-.1	.2	.1	90:103
S019 1 1515 TIE40405	-.0068	.0010	-.0130	-.0065	-.0119	-.0057	.0	.0	.0	93: 1
S019 1 1515 R GSFC	-.0079	-.0100	.0175	-.0025	.0071	.0203	-.3	.6	1.7	88:218
S019 1 1515 R USNO	-.0064	-.0127	.0129	.0000	.0022	.0191	.0	.1	1.2	88:271
S019 1 1515 R NOAA	-.0002	-.0073	-.0008	.0031	-.0045	.0049	.3	-.3	.4	89:232
S019 1 1515 R GIUB	.0021	-.0010	.0030	.0023	.0025	.0017	.2	.1	.1	89: 72
S019 2 1515 R GSFC	.0007	.0002	.0006	.0006	.0008	-.0001	.1	.2	.0	97: 1
S019 2 1515 R USNO	-.0043	-.0103	.0102	.0008	.0018	.0149	.1	.2	1.7	97: 1
S019 2 1515 R NOAA	-.0013	-.0060	-.0043	.0016	-.0069	.0024	.2	-.7	.2	91:217
S019 2 1515 R GIUB	-.0003	-.0008	.0006	.0001	.0000	.0010	.0	.0	.1	93: 1
S028 1 GOL0 TIE40405	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S031 1 GOLD P CODE	.0019	.0046	.0008	-.0003	.0035	-.0036	-.1	1.2	-1.2	96:273
S031 1 GOLD P EMR	-.0024	.0004	-.0017	-.0023	-.0018	-.0004	-.6	-.4	-.1	96:249
S031 1 GOLD P GFZ	-.0109	-.0045	.0018	-.0077	-.0037	.0083	-1.7	-.7	1.6	96: 50
S031 1 GOLD P NRCAN	.0002	.0004	.0013	.0000	.0013	.0004	.0	.7	.2	97:248

S031	1	GOLD	P	JPL	.0001	-.0001	-.0002	.0001	-.0002	-.0001	.0	-.1	.0	96:251
S031	2	GOLD	P	GFZ	-.0104	-.0048	.0018	-.0071	-.0037	.0084	-1.5	-.7	1.6	96:117
S031	2	GOLD	P	JPL	-.0007	.0017	-.0026	-.0014	-.0014	-.0025	-.5	-.4	-.7	95: 57
S035	1	GOLA	TIE40405		-.0010	.0001	.0009	-.0009	.0005	.0008	.0	.0	.0	93: 1
S035	1	GOLA	C	GRIM	.0278	-.0080	-.0175	.0284	-.0111	-.0146	1.2	-.6	-.7	92:194
S035	1	GOLA	D	GRGS	.0509	-.0290	-.0164	.0585	-.0150	-.0072	1.2	-.5	-.2	93:326
S035	1	GOLA	D	IGN	.0273	-.0064	-.0128	.0273	-.0066	-.0128	.3	-.1	-.2	95: 76
S035	1	GOLA	D	CSR	.0545	-.0122	-.0305	.0541	-.0169	-.0289	1.1	-.4	-.7	93:179
S037	1	GOMB	TIE40405		-.0241	-.0241	.0047	-.0107	-.0149	.0292	.0	.0	.0	93: 1
S037	1	GOMB	C	GRIM	.0460	.0384	-.0088	.0237	.0246	-.0500	.2	.3	-.5	96:278
S037	1	GOMB	D	GRGS	.0334	.0206	.0030	.0206	.0217	-.0256	.4	.6	-.6	97:141
S037	1	GOMB	D	IGN	.0530	.0177	-.0046	.0394	.0191	-.0351	.7	.5	-.8	97:199

Velocities

M001	1	7085	L	CSR	.0068	.0176	-.0080	-.0019	.0044	-.0200	.0	.0	-.1	
M002	1	7115	L	CSR	-.0517	-.0075	.0081	-.0427	-.0107	.0291	-.8	-.2	.5	
M006	1	7265	L	CSR	.0096	-.0024	-.0128	.0096	-.0091	-.0092	.0	.0	.0	
M013	1	7288	R	GSFC	-.0005	-.0006	-.0006	-.0001	-.0010	.0003	-.3	-1.3	.4	
M013	1	7288	R	USNO	-.0007	-.0008	-.0012	-.0002	-.0016	.0001	.0	.0	.0	
M013	1	7288	R	NOAA	-.0007	-.0001	.0000	-.0005	-.0002	.0004	-.8	-.2	.3	
M013	1	7288	L	CGS	-.0145	.0052	-.0077	-.0153	-.0074	-.0029	.0	.0	.0	
M013	1	7288	L	DUT	-.0271	.0118	-.0067	-.0295	-.0064	-.0024	-.9	-.2	-.1	
M013	1	7288	L	GSFC	-.0012	.0063	.0021	-.0039	.0046	-.0030	-.6	.8	-.5	
M013	1	7288	C	GRIM	-.0184	.0068	-.0037	-.0194	-.0044	-.0003	.0	.0	.0	
M013	1	7288	L	CSR	.0016	.0024	-.0069	.0003	-.0039	-.0063	.0	-.3	-.5	
S005	1	GOMA	C	GRIM	-.0029	.0040	.0014	-.0044	.0025	-.0011	-.5	.3	-.1	
S005	1	GOMA	D	GRGS	.0095	-.0004	.0042	.0087	.0057	-.0008	.2	.2	.0	
S005	1	GOMA	D	IGN	.0188	-.0083	-.0160	.0205	-.0125	-.0101	.5	-.5	-.3	
S005	1	GOMA	D	CSR	.0098	-.0191	-.0307	.0174	-.0323	-.0074	.2	-.5	-.1	
S009	1	7222	R	GSFC	-.0005	-.0006	-.0006	-.0001	-.0010	.0003	-.3	-1.3	.4	
S009	1	7222	R	USNO	-.0002	-.0003	-.0010	.0000	-.0010	-.0003	.0	-1.2	-.4	
S009	1	7222	R	NOAA	-.0007	-.0001	.0000	-.0006	-.0002	.0004	-.8	-.2	.3	
S009	1	7222	R	GIUB	-.0003	-.0011	.0002	.0002	-.0005	.0010	.3	-.4	.9	
S009	2	7222	R	GSFC	-.0162	.0071	-.0045	-.0177	-.0042	-.0018	.0	.0	.0	
S009	2	7222	R	USNO	-.0151	.0032	-.0052	-.0149	-.0066	.0002	.0	.0	.0	
S009	2	7222	R	NOAA	-.0007	-.0001	.0000	-.0006	-.0002	.0004	-.8	-.2	.3	
S009	2	7222	R	GIUB	-.0161	.0075	-.0032	-.0178	-.0030	-.0014	.0	.0	.0	
S014	1	1513	R	GSFC	-.0003	-.0002	-.0005	-.0002	-.0006	.0000	-.1	-.2	.0	
S014	1	1513	R	USNO	-.0013	-.0030	.0013	.0001	-.0009	.0034	.1	-.2	.9	
S014	1	1513	R	NOAA	-.0024	-.0022	.0036	-.0011	.0012	.0046	-.3	.2	.9	
S014	1	1513	R	GIUB	.0002	.0006	.0003	.0000	.0006	-.0003	.0	.3	-.2	
S019	1	1515	R	GSFC	.0007	-.0016	.0011	.0013	.0002	.0016	.7	.1	.6	
S019	1	1515	R	USNO	.0005	.0003	.0009	.0003	.0010	.0001	.2	.4	.0	
S019	1	1515	R	NOAA	-.0007	-.0001	.0000	-.0006	-.0002	.0004	-.8	-.2	.4	
S019	1	1515	R	GIUB	.0003	.0006	.0003	.0000	.0006	-.0004	.0	.3	-.2	
S019	2	1515	R	GSFC	-.0162	.0071	-.0045	-.0177	-.0042	-.0018	.0	.0	.0	
S019	2	1515	R	USNO	-.0151	.0031	-.0052	-.0149	-.0066	.0002	.0	.0	.0	
S019	2	1515	R	NOAA	-.0007	-.0001	.0000	-.0006	-.0002	.0004	-.8	-.2	.4	
S019	2	1515	R	GIUB	-.0161	.0075	-.0032	-.0178	-.0030	-.0014	.0	.0	.0	
S031	1	GOLD	P	CODE	.0027	-.0005	.0006	.0026	.0009	-.0003	3.4	1.1	-.3	
S031	1	GOLD	P	EMR	.0008	.0004	-.0010	.0005	-.0004	-.0011	.7	-.5	-1.3	
S031	1	GOLD	P	GFZ	.0028	-.0025	-.0008	.0037	-.0012	.0003	1.4	-.5	.1	
S031	1	GOLD	P	NRCAN	.0009	-.0015	.0019	.0015	.0010	.0019	.8	.4	.8	
S031	1	GOLD	P	JPL	.0004	-.0006	.0017	.0007	.0012	.0012	.2	.4	.4	
S031	2	GOLD	P	GFZ	.0027	-.0025	-.0008	.0036	-.0012	.0003	1.2	-.4	.1	
S031	2	GOLD	P	JPL	.0004	-.0015	.0020	.0010	.0010	.0021	.5	.4	.9	
S035	1	GOLA	C	GRIM	.0006	.0010	-.0021	.0001	-.0011	-.0022	.0	-.2	-.3	
S035	1	GOLA	D	GRGS	.0095	-.0005	.0042	.0086	.0056	-.0007	.2	.2	.0	
S035	1	GOLA	D	IGN	.0187	-.0084	-.0160	.0205	-.0125	-.0101	.5	-.5	-.3	
S035	1	GOLA	D	CSR	.0113	-.0182	-.0306	.0183	-.0314	-.0086	.2	-.5	-.1	
S037	1	GOMB	C	GRIM	-.0039	.0028	.0003	-.0047	.0006	-.0004	-.5	.1	.0	
S037	1	GOMB	D	GRGS	.0095	-.0004	.0042	.0086	.0057	-.0008	.2	.2	.0	
S037	1	GOMB	D	IGN	.0188	-.0083	-.0160	.0205	-.0125	-.0101	.5	-.5	-.3	

40406 PRESIDIO

Positions

M001 1 7252 R GSFC	.0020	.0049	.0010	-.0010	.0039	-.0035	-.1	.3	-.2	87:295
M001 1 7252 R USNO	.0022	.0017	.0084	.0010	.0083	.0031	.0	.3	.1	87:305
M001 1 7252 R NOAA	-.0021	-.0065	.0009	.0017	-.0033	.0058	.1	-.2	.3	88:131
M001 2 7252 R GSFC	.0069	.0203	-.0249	-.0050	-.0069	-.0317	-.1	-.1	-.5	97: 1
M001 2 7252 R USNO	.0016	-.0083	-.0135	.0058	-.0145	-.0034	.1	-.2	.0	97: 1

Velocities

M001 1 7252 R GSFC	.0001	.0015	-.0031	-.0007	-.0016	-.0029	-.1	-.2	-.3	
M001 1 7252 R USNO	.0010	-.0010	-.0027	.0014	-.0023	-.0014	.2	-.2	-.1	
M001 1 7252 R NOAA	-.0005	.0016	.0011	-.0013	.0015	-.0002	-.2	.2	.0	
M001 2 7252 R GSFC	-.0205	.0294	.0027	-.0331	.0106	-.0092	.0	.0	.0	
M001 2 7252 R USNO	-.0196	.0252	.0020	-.0301	.0082	-.0073	.0	.0	.0	

40407 PINYON

Positions

M001 1 7256 TIE40407	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M001 1 7256 R GSFC	.0031	.0066	.0030	-.0002	.0065	-.0044	.0	.5	-.3	87: 54
M001 1 7256 R USNO	-.0180	-.0305	.0290	-.0025	.0046	.0455	-.1	.1	.8	87:282
M001 1 7256 R NOAA	.0029	-.0018	-.0032	.0034	-.0029	-.0015	.3	-.2	-.1	87:139
M002 1 PIN1 TIE40407	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M003 1 PIN1 P JPL	.0000	.0002	-.0001	-.0001	.0000	-.0002	.0	.0	.0	97: 5

Velocities

M001 1 7256 R GSFC	-.0010	-.0039	.0013	.0009	-.0011	.0040	.1	-.1	.4	
M001 1 7256 R USNO	-.0014	.0023	-.0030	-.0023	-.0017	-.0029	-.2	-.1	-.2	
M001 1 7256 R NOAA	-.0040	-.0066	.0049	-.0006	-.0002	.0091	-.1	.0	.7	
M003 1 PIN1 P JPL	-.0026	.0019	-.0002	-.0032	.0001	-.0006	-.7	.0	-.1	

40408 FAIRBANKS

Positions

M001 1 FAIR TIE40408	.0121	.0058	-.0071	.0016	.0091	-.0121	.0	.0	.0	93: 1
M001 1 FAIR P CODE	.0046	.0049	-.0057	-.0017	.0035	-.0079	-.5	.9	-1.4	95: 67
M001 1 FAIR P EMR	.0009	-.0058	.0020	.0054	-.0013	.0028	1.8	-.4	.6	97: 39
M001 1 FAIR P GFZ	-.0069	.0001	-.0103	-.0038	-.0095	-.0069	-1.1	-2.1	-1.1	96: 25
M001 1 FAIR P NRCAN	-.0042	-.0016	.0110	-.0009	.0006	.0118	-.7	.4	5.2	97:250
M001 1 FAIR P JPL	.0022	.0000	.0000	.0012	.0017	-.0008	.6	.7	-.2	95:154
M001 2 FAIR P CODE	.0024	.0014	.0025	.0001	.0036	.0011	.0	1.2	.3	97:216
S002 1 7225 TIE40408	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S002 1 7225 R GSFC	.0005	.0011	-.0014	-.0006	.0003	-.0017	-.9	.4	-1.3	96: 20
S002 1 7225 R USNO	-.0003	-.0005	.0023	.0003	.0005	.0023	.4	.7	2.0	95: 54
S002 1 7225 R NOAA	-.0012	-.0050	.0044	.0036	-.0014	.0055	1.5	-.6	1.9	90:281
S002 1 7225 R GIUB	.0018	-.0003	-.0011	.0013	.0008	-.0016	.9	.5	-1.1	93:354
S004 1 FAIA TIE40408	.0030	.0163	.0098	-.0122	.0144	.0041	.0	.0	.0	93: 1
S004 1 FAIA C GRIM	.0328	-.0579	-.0354	.0665	-.0181	-.0306	6.6	-1.9	-3.2	95:130
S004 1 FAIA D GRGS	-.0186	-.0679	-.0229	.0473	-.0570	.0013	3.5	-4.3	.1	95:168
S004 1 FAIA D IGN	-.0347	-.0464	-.0016	.0205	-.0498	.0215	.8	-2.0	.9	96:296
S004 1 FAIA D CSR	.0211	-.0138	.0133	.0230	.0150	.0076	1.0	.6	.3	94:146

Velocities

M001 1 FAIR P CODE	-.0011	-.0005	-.0005	-.0002	-.0013	.0001	-.1	-.4	.0	
M001 1 FAIR P EMR	.0001	-.0005	-.0002	.0005	-.0003	-.0001	.5	-.3	-.1	
M001 1 FAIR P GFZ	-.0044	.0026	.0040	-.0045	-.0004	.0046	-2.2	-.2	1.3	
M001 1 FAIR P NRCAN	-.0020	-.0010	.0080	-.0002	.0014	.0082	-.1	.6	2.7	
M001 1 FAIR P JPL	-.0032	-.0015	.0037	-.0005	-.0015	.0048	-.4	-.9	2.0	
M001 2 FAIR P CODE	-.0011	-.0005	-.0005	-.0002	-.0013	.0001	-.1	-.4	.0	
M999 1 P NRCAN	.0203	-.0039	-.0184	.0142	.0059	-.0230	.2	.1	-.2	
S002 1 7225 R GSFC	-.0001	-.0001	-.0006	.0000	-.0004	-.0004	-.1	-1.1	-1.0	

S002 1 7225 R USNO	-.0001	.0001	-.0001	-.0002	-.0001	.0000	-.7	-.4	-.1
S002 1 7225 R NOAA	-.0002	-.0009	.0002	.0007	-.0005	.0005	1.1	-.8	.6
S002 1 7225 R GIUB	.0000	-.0003	-.0002	.0002	-.0003	-.0001	1.0	-.9	-.2
S004 1 FAIA C GRIM	.0035	.0047	-.0031	-.0021	.0037	-.0051	-.3	.6	-.9
S004 1 FAIA D GRGS	.0009	.0007	-.0006	-.0001	.0007	-.0011	.0	.1	-.1
S004 1 FAIA D IGN	-.0074	-.0053	-.0146	.0005	-.0144	-.0094	.0	-.9	-.7
S004 1 FAIA D CSR	.0079	-.0080	.0007	.0110	.0024	-.0004	.4	.1	.0

40410 POINT REYES

Positions

M001 1 7251 R GSFC	-.0023	-.0002	.0060	-.0018	.0039	.0048	-.2	.3	.3 88:210
M001 1 7251 R USNO	.0064	.0065	-.0027	.0019	.0034	-.0088	.1	.1	-.3 89: 92
M001 1 7251 R NOAA	.0030	.0009	-.0051	.0020	-.0025	-.0050	.1	-.1	-.3 88:289

Velocities

M001 1 7251 R GSFC	-.0024	-.0027	.0010	-.0006	-.0014	.0034	-.1	-.2	.4
M001 1 7251 R USNO	.0012	.0018	-.0025	.0001	-.0006	-.0033	.0	-.1	-.5
M001 1 7251 R NOAA	-.0035	-.0029	.0035	-.0013	.0001	.0056	-.1	.0	.5

40412 AUSTIN

Positions

M003 1 7271 R GSFC	-.0001	.0085	-.0064	-.0013	-.0013	-.0105	-.1	.0	-.2 87:193
M003 1 7271 R NOAA	.0070	.0142	-.0001	.0050	.0075	-.0130	.2	.1	-.1 93: 1

Velocities

M003 1 7271 R GSFC	-.0008	.0008	.0011	-.0009	.0013	.0000	-.1	.2	.0
M003 1 7271 R NOAA	.0002	-.0005	.0020	.0003	.0014	.0014	.0	.0	.0

40416 YAKATAGA

Positions

M001 1 7277 R GSFC	.0010	.0030	.0103	-.0017	.0074	.0077	-.1	.3	.2 86:330
M001 1 7277 R USNO	.0001	-.0089	.0125	.0071	.0016	.0135	.2	.0	.2 86:308
M001 1 7277 R NOAA	.0019	-.0001	-.0121	.0012	-.0048	-.0112	.1	-.2	-.3 87: 87
M001 2 7277 R GSFC	.0423	.0638	-.1391	-.0248	-.0066	-.1567	-.3	-.1	-.8 97: 1
M001 2 7277 R USNO	.0547	.0728	-.1235	-.0244	.0144	-.1507	-.2	.1	-.7 97: 1
M001 2 7277 R NOAA	.0067	.0021	-.0172	.0024	-.0029	-.0182	.2	-.1	-.6 89:167

Velocities

M001 1 7277 R GSFC	.0059	.0082	-.0197	-.0030	-.0014	-.0219	-.3	-.1	-.9
M001 1 7277 R USNO	.0075	.0106	-.0183	-.0038	.0016	-.0220	-.3	.1	-.8
M001 1 7277 R NOAA	-.0070	-.0018	.0175	-.0029	.0030	.0185	-.2	.1	.6
M001 2 7277 R GSFC	-.0156	.0293	.0120	-.0327	.0107	.0076	.0	.0	.0
M001 2 7277 R USNO	-.0159	.0252	.0118	-.0297	.0082	.0089	.0	.0	.0
M001 2 7277 R NOAA	-.0070	-.0018	.0175	-.0029	.0030	.0185	-.2	.1	.6

40419 KODIAK

Positions

M001 1 7278 R GSFC	.0050	.0053	-.0008	-.0024	.0054	-.0043	-.2	.3	-.2 88:208
M001 1 7278 R USNO	-.0074	-.0226	.0457	.0166	.0101	.0477	.4	.2	.6 87: 21
M001 1 7278 R NOAA	-.0030	-.0049	.0017	.0029	-.0032	.0041	.2	-.1	.2 88:236
M001 2 7278 R USNO	.1095	.0819	-.1490	-.0221	.0346	-.1981	-.2	.2	-.9 97: 1

Velocities

M001 1 7278 R GSFC	.0012	.0011	-.0017	-.0004	.0004	-.0023	-.1	.0	-.1
M001 1 7278 R USNO	.0127	.0099	-.0174	-.0029	.0041	-.0232	-.2	.2	-.9
M001 1 7278 R NOAA	.0102	.0069	-.0169	-.0014	.0013	-.0209	-.1	.1	-1.0
M001 2 7278 R USNO	-.0199	.0041	-.0048	-.0128	-.0159	.0043	.0	.0	.0

40420 VANDENB/HARVEST

Positions

M002 1 7223 TIE40420	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M002 1 7223 R GSFC	-.0009	.0000	.0041	-.0008	.0032	.0027	-.1	.4	.3	89: 29
M002 1 7223 R USNO	-.0022	-.0020	.0040	-.0009	.0017	.0046	-.1	.2	.6	89: 28
M002 1 7223 R NOAA	.0042	.0027	-.0061	.0022	-.0025	-.0072	.6	-.6	-1.7	88:149
M007 1 VNDP TIE40420	-.0026	.0037	.0025	-.0041	.0031	-.0001	.0	.0	.0	93: 1
M007 1 VNDP P JPL	.0030	-.0021	.0000	.0036	-.0002	.0002	.8	.0	.0	97: 37
M101 1 HARV P NRCAN	-.0027	-.0060	.0096	.0007	.0042	.0108	.0	.2	.4	96:186
M101 1 HARV P JPL	-.0007	-.0001	-.0016	-.0006	-.0015	-.0005	-.2	-.5	-.1	95:141

Velocities

M002 1 7223 R GSFC	.0007	.0017	-.0034	-.0003	-.0018	-.0034	-.2	-1.0	-2.0
M002 1 7223 R USNO	.0015	.0031	-.0047	-.0003	-.0020	-.0055	-.1	-.8	-2.4
M002 1 7223 R NOAA	.0012	.0035	-.0033	-.0007	-.0007	-.0048	-.4	-.3	-2.1
M007 1 VNDP P JPL	-.0026	-.0014	.0035	-.0015	.0015	.0041	-.3	.3	.7
M101 1 HARV P NRCAN	-.0055	-.0071	.0075	-.0011	.0012	.0116	.0	.0	.3
M101 1 HARV P JPL	-.0028	-.0065	.0091	.0009	.0036	.0109	.5	1.8	5.1

40421 NOME

Positions

M001 1 7279 R GSFC	.0020	.0020	.0051	-.0015	.0044	.0036	-.2	.2	.1	87: 53
M001 1 7279 R USNO	.0036	-.0022	-.0174	.0030	-.0048	-.0170	.1	-.1	-.2	87:328
M001 1 7279 R NOAA	-.0059	-.0044	.0031	.0028	-.0048	.0057	.2	-.2	.1	88: 16

Velocities

M001 1 7279 R GSFC	-.0012	.0001	-.0010	-.0004	-.0014	-.0004	-.1	-.1	.0
M001 1 7279 R USNO	.0013	-.0001	.0114	.0004	.0060	.0098	.1	.4	.5
M001 1 7279 R NOAA	.0078	.0048	-.0132	-.0027	.0023	-.0157	-.5	.2	-.7

40423 SANDPOINT

Positions

M001 1 7280 R GSFC	-.0021	.0040	.0068	-.0045	.0034	.0059	-.4	.2	.2	89: 28
M001 1 7280 R USNO	-.0062	-.0079	.0269	.0054	.0083	.0269	.2	.1	.4	89:259
M001 1 7280 R NOAA	-.0047	-.0048	.0017	.0029	-.0040	.0048	.2	-.2	.2	89: 30

Velocities

M001 1 7280 R GSFC	-.0053	-.0018	.0066	-.0001	-.0008	.0086	.0	-.1	.5
M001 1 7280 R USNO	.0065	.0075	-.0128	-.0049	-.0001	-.0154	-.4	.0	-.7
M001 1 7280 R NOAA	-.0019	.0025	.0008	-.0030	-.0004	.0012	-.3	.0	.1

40424 KAUAI

Positions

M004 1 KOKB TIE40424	.0076	.0007	-.0008	.0020	.0021	-.0071	.0	.0	.0	93: 1
M004 1 KOKB P CODE	-.0047	-.0019	.0040	.0001	.0017	.0062	.0	.5	1.4	96:296
M004 1 KOKB P EMR	-.0065	.0070	.0021	-.0089	.0005	.0042	-1.7	.1	.7	97: 37
M004 1 KOKB P GFZ	-.0122	.0009	.0038	-.0051	-.0007	.0118	-1.0	-.1	1.6	96: 60
M004 1 KOKB P NRCAN	-.0040	.0005	.0034	-.0019	.0018	.0046	-.8	.9	1.7	97:277
M004 1 KOKB P JPL	.0046	.0072	-.0046	-.0051	-.0016	-.0080	-1.5	-.6	-1.8	95:204
S001 1 1311 TIE40424	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S001 1 1311 R GSFC	.0009	.0008	-.0005	-.0005	.0000	-.0012	-.2	.0	-.5	93: 1
S001 1 1311 R USNO	.0008	.0001	.0020	.0002	.0021	.0001	.1	1.0	.0	92: 96
S001 1 1311 R NOAA	-.0029	-.0038	.0022	.0026	.0005	.0046	.7	.1	1.2	90:215
S001 1 1311 R GIUB	.0018	.0015	.0017	-.0008	.0024	-.0014	-.3	.9	-.6	92:178
S007 1 7298 R GSFC	.0081	.0025	-.0029	.0004	.0005	-.0089	.3	.3	-3.6	95:345
S007 1 7298 R USNO	.0105	.0038	-.0028	.0001	.0017	-.0114	.1	.9	-4.5	95:257
S007 1 7298 R NOAA	-.0076	-.0060	.0053	.0030	.0014	.0105	.7	.3	2.3	91:212
S007 1 7298 R GIUB	-.0008	-.0007	.0032	.0004	.0026	.0021	.2	1.2	1.1	94:341
S008 1 KOKA TIE40424	-.0039	-.0019	-.0006	.0004	-.0021	.0037	.0	.0	.0	93: 1
S008 1 KOKA C GRIM	.0327	.0196	-.0007	-.0070	.0135	-.0350	-.3	1.0	-2.0	95:131

S008 1 KOKA D GRGS	.0326	.0124	-.0078	-.0003	.0060	-.0353	.0	.4	-1.9	95:185
S008 1 KOKA D IGN	.0172	.0253	-.0197	-.0177	-.0089	-.0305	-.4	-.3	-.9	97: 68
S008 1 KOKA D CSR	.0244	.0262	.0100	-.0161	.0213	-.0258	-.5	.9	-1.0	94:163

Velocities

M004 1 KOKB P CODE	-.0003	-.0015	.0017	.0013	.0012	.0014	1.2	1.4	1.3	
M004 1 KOKB P EMR	-.0006	-.0020	.0000	.0017	-.0005	.0012	1.7	-.4	.9	
M004 1 KOKB P GFZ	-.0029	.0026	-.0033	-.0034	-.0037	.0004	-1.3	-2.3	.3	
M004 1 KOKB P NRCAN	.0065	.0013	-.0009	.0010	.0016	-.0064	.4	.6	-1.9	
M004 1 KOKB P JPL	-.0037	-.0037	.0033	.0022	.0013	.0056	1.0	.7	1.9	
S001 1 1311 R GSFC	-.0006	-.0007	-.0015	.0004	-.0017	.0002	.5	-1.7	.2	
S001 1 1311 R USNO	-.0006	-.0005	-.0013	.0003	-.0015	.0002	.4	-1.4	.2	
S001 1 1311 R NOAA	.0002	.0004	-.0010	-.0003	-.0009	-.0007	-.3	-.9	-.6	
S001 1 1311 R GIUB	-.0006	-.0008	-.0007	.0005	-.0009	.0005	.5	-.7	.4	
S007 1 7298 R GSFC	-.0001	-.0002	.0004	.0001	.0003	.0003	.2	.4	.4	
S007 1 7298 R USNO	-.0003	-.0002	.0005	.0001	.0003	.0005	.1	.4	.7	
S007 1 7298 R NOAA	.0002	.0004	-.0010	-.0003	-.0009	-.0007	-.3	-.9	-.6	
S007 1 7298 R GIUB	.0004	-.0009	-.0006	.0010	-.0005	-.0003	1.0	-.5	-.3	
S008 1 KOKA C GRIM	-.0013	.0037	.0006	-.0039	.0006	.0002	-.4	.1	.0	
S008 1 KOKA D GRGS	.0000	.0011	.0013	-.0010	.0014	.0001	-.1	.1	.0	
S008 1 KOKA D IGN	.0048	-.0027	-.0150	.0042	-.0126	-.0090	.1	-.7	-.4	
S008 1 KOKA D CSR	-.0001	.0069	.0069	-.0065	.0073	.0005	-.2	.3	.0	

40425 SOURDOUGH

Positions

M001 1 7281 R GSFC	-.0017	-.0018	.0190	.0005	.0066	.0180	.0	.4	.7	86: 14
M001 1 7281 R USNO	.0262	.0065	-.0362	.0094	.0058	-.0438	.3	.1	-.6	86: 57
M001 1 7281 R NOAA	.0012	.0006	-.0082	.0002	-.0025	-.0079	.0	-.2	-.3	87:330
M001 2 7281 R GSFC	.0405	.0086	-.0097	.0158	.0296	-.0262	.2	.3	-.1	97: 1
M001 2 7281 R USNO	.0977	.0547	-.1269	.0103	.0408	-.1639	.1	.3	-.8	97: 1

Velocities

M001 1 7281 R GSFC	.0045	.0008	-.0008	.0019	.0034	-.0026	.2	.2	-.1	
M001 1 7281 R USNO	.0096	.0048	-.0106	.0015	.0046	-.0143	.1	.3	-.6	
M001 1 7281 R NOAA	.0010	.0021	-.0047	-.0012	-.0004	-.0051	-.2	.0	-.3	
M001 2 7281 R GSFC	-.0204	.0008	-.0141	-.0122	-.0210	-.0050	.0	.0	.0	
M001 2 7281 R USNO	-.0209	-.0032	-.0142	-.0092	-.0234	-.0039	.0	.0	.0	

40427 FORT ORD

Positions

M001 1 7266 R GSFC	.0086	.0114	-.0017	.0013	.0071	-.0125	.1	.4	-.6	86:324
M001 1 7266 R USNO	-.0245	-.0371	.0476	-.0013	.0117	.0641	.0	.3	1.6	87:246
M001 1 7266 R NOAA	-.0016	-.0052	-.0042	.0014	-.0065	.0018	.1	-.3	.1	87:119
M002 1 7241 R GSFC	.0036	.0059	.0017	-.0001	.0054	-.0045	.0	.2	-.2	89: 44
M002 1 7241 R USNO	-.0114	-.0064	.0074	-.0063	-.0009	.0136	-.2	.0	.3	88:276
M002 1 7241 R NOAA	.0032	.0003	-.0073	.0025	-.0047	-.0059	.1	-.1	-.2	89: 50
M002 2 7241 R GSFC	-.0284	-.0311	.0281	-.0077	-.0021	.0500	-.1	.0	.7	97: 1
M002 2 7241 R USNO	-.0058	.0134	.0102	-.0119	.0132	-.0006	-.2	.2	.0	97: 1
M002 2 7241 R NOAA	.0027	.0001	-.0052	.0022	-.0033	-.0043	.1	-.2	-.2	90: 98

Velocities

M001 1 7266 R GSFC	-.0042	-.0047	.0038	-.0011	-.0006	.0073	-.1	-.1	.7	
M001 1 7266 R USNO	-.0007	.0016	.0013	-.0014	.0016	.0000	-.2	.2	.0	
M001 1 7266 R NOAA	.0012	.0035	-.0034	-.0009	-.0006	-.0049	-.1	.0	-.3	
M002 1 7241 R GSFC	-.0041	-.0047	.0038	-.0010	-.0006	.0072	-.1	-.1	.7	
M002 1 7241 R USNO	-.0007	.0016	.0013	-.0014	.0016	.0000	-.2	.2	.0	
M002 1 7241 R NOAA	.0012	.0035	-.0034	-.0009	-.0006	-.0049	-.1	.0	-.3	
M002 2 7241 R GSFC	-.0338	.0272	.0260	-.0430	.0240	.0112	.0	.0	.0	
M002 2 7241 R USNO	-.0328	.0230	.0252	-.0400	.0216	.0132	.0	.0	.0	
M002 2 7241 R NOAA	.0012	.0035	-.0034	-.0009	-.0006	-.0049	-.1	.0	-.3	

40428 SANTA PAOLA

Positions

M001 1 7255 R GSFC	-.0002	.0026	.0044	-.0014	.0048	.0007	-.1	.2	.0	88:180
M001 1 7255 R USNO	-.0192	-.0393	.0277	.0023	-.0018	.0517	.0	.0	.8	88:339
M001 1 7255 R NOAA	.0046	.0053	-.0076	.0015	-.0024	-.0100	.1	-.1	-.3	88:255

Velocities

M001 1 7255 R GSFC	-.0011	.0002	-.0010	-.0010	-.0010	-.0003	-.1	-.1	.0
M001 1 7255 R USNO	-.0039	-.0094	.0025	.0011	-.0036	.0097	.1	-.2	.5
M001 1 7255 R NOAA	.0006	.0059	-.0016	-.0023	.0018	-.0054	-.1	.1	-.2

40429 ALBUQUERQUE

Positions

S001 1 7884 L DUT	.0341	.0280	-.0194	.0248	.0050	-.0411	.1	.0	-.1	96:221
S001 1 7884 L1 GZ	-.0220	-.0064	-.0045	-.0192	-.0107	.0076	-.5	-.3	.2	93: 1
S001 1 7884 L CSR	.0079	.0164	-.0105	.0029	.0017	-.0208	.1	.0	-.4	96:294

Velocities

S001 1 7884 L DUT	-.0283	-.0170	-.0187	-.0223	-.0293	.0092	-.1	-.1	.0
S001 1 7884 L1 GZ	-.0052	.0053	-.0087	-.0065	-.0051	-.0080	.0	.0	.0
S001 1 7884 L CSR	-.0010	.0236	.0131	-.0077	.0235	-.0108	-.1	.1	.0

40430 BLACK BUTTE

Positions

M001 1 7269 R GSFC	.0002	.0018	.0045	-.0006	.0047	.0011	.0	.3	.1	87: 22
M001 1 7269 R USNO	.0232	.0495	-.0312	-.0006	.0044	-.0628	.0	.1	-1.0	88: 33
M001 1 7269 R NOAA	.0002	-.0063	.0009	.0030	-.0023	.0052	.2	-.1	.2	87: 61

Velocities

M001 1 7269 R GSFC	-.0046	-.0089	.0068	-.0003	.0002	.0121	.0	.0	.7
M001 1 7269 R USNO	-.0042	-.0062	.0022	-.0011	-.0023	.0074	-.1	-.1	.4
M001 1 7269 R NOAA	-.0070	-.0101	.0078	-.0019	-.0003	.0144	-.1	.0	.6

40431 DEADMAN LAKE

Positions

M001 1 7267 R GSFC	.0054	.0057	.0016	.0023	.0055	-.0053	.1	.2	-.2	87:273
M001 1 7267 R USNO	.0474	.0813	-.0644	.0065	-.0004	-.1138	.1	.0	-1.0	88: 16
M001 1 7267 R NOAA	-.0090	-.0145	.0110	-.0016	-.0005	.0202	-.1	.0	.5	93: 1

Velocities

M001 1 7267 R GSFC	.0270	.0423	-.0344	.0055	-.0004	-.0606	.2	.0	-1.3
M001 1 7267 R USNO	.0386	.0584	-.0493	.0087	-.0016	-.0852	.2	.0	-1.4
M001 1 7267 R NOAA	-.0024	-.0024	.0037	-.0011	.0012	.0048	.0	.0	.0

40432 ELY

Positions

M001 1 7286 R GSFC	.0015	.0036	.0039	-.0001	.0055	-.0006	.0	.3	.0	88: 88
M001 1 7286 R USNO	-.0073	-.0043	.0065	-.0048	.0007	.0095	-.2	.0	.2	89: 31
M001 1 7286 R NOAA	.0045	.0026	-.0057	.0030	-.0017	-.0069	.2	-.1	-.3	88: 86

Velocities

M001 1 7286 R GSFC	-.0010	-.0013	.0001	-.0004	-.0009	.0013	.0	-.1	.1
M001 1 7286 R USNO	.0019	.0069	-.0014	-.0012	.0034	-.0064	-.1	.2	-.4
M001 1 7286 R NOAA	-.0023	-.0030	.0029	-.0009	-.0001	.0047	-.1	.0	.3

40433 QUINCY

Positions

M001	1	7051	TIE40433	-.0002	-.0001	-.0004	-.0001	-.0005	-.0001	.0	.0	.0	93:	1
M001	1	7051	L CSR	-.0225	-.0375	.0756	.0000	.0298	.0821	.0	.5	1.5	81:	69
M002	1	7109	TIE40433	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93:	1
M002	1	7109	L CGS	.0066	.0087	-.0066	.0011	.0019	-.0125	.3	.5	-3.1	92:	131
M002	1	7109	L DUT	.0069	-.0044	-.0105	.0082	-.0082	-.0066	.7	-.5	-.5	93:	22
M002	1	7109	L GSFC	.0018	.0002	.0056	.0015	.0050	.0027	.3	1.4	.7	89:	37
M002	1	7109	L1 GZ	.0018	-.0056	.0034	.0044	.0001	.0052	1.0	.0	1.2	95:	10
M002	1	7109	C GRIM	-.0006	-.0018	-.0030	.0004	-.0035	-.0005	.2	-.9	-.1	93:	9
M002	1	7109	L CSR	.0006	.0019	-.0018	-.0005	-.0002	-.0026	-.1	.0	-.8	92:	32
M004	1	7221	TIE40433	-.0005	.0010	.0000	-.0009	.0004	-.0005	.0	.0	.0	93:	1
M004	1	7221	R GSFC	.0012	.0100	-.0040	-.0041	.0029	-.0096	-.4	.2	-.8	87:	329
M004	1	7221	R USNO	.0128	.0244	-.0274	-.0016	-.0033	-.0387	.0	-.1	-.8	88:	14
M004	1	7221	R NOAA	-.0008	-.0010	-.0074	-.0002	-.0065	-.0037	.0	-.4	-.2	88:	193
M004	1	7221	P CODE	.0014	.0015	.0028	.0004	.0035	.0003	.2	1.1	.1	96:	53
M004	1	7221	P NRCAN	-.0029	-.0015	.0032	-.0017	.0007	.0042	-.5	.2	1.0	97:	178
M004	1	7221	P JPL	-.0014	-.0083	.0054	.0031	-.0009	.0094	.9	-.2	2.6	95:	126
M005	1	7886	TIE40433	.0005	-.0004	.0000	.0006	-.0001	.0000	.0	.0	.0	93:	1
M005	1	7886	L CSR	-.0163	.0171	-.0153	-.0228	-.0077	-.0147	-.7	-.2	-.4	84:	227

Velocities

M001	1	7051	L CSR	.0022	-.0544	-.0073	.0298	-.0348	.0302	.3	-.3	.3		
M002	1	7109	L CGS	.0002	.0005	-.0016	-.0001	-.0009	-.0014	-.1	-.7	-1.2		
M002	1	7109	L DUT	.0021	-.0026	-.0022	.0031	-.0024	-.0005	1.4	-1.0	-.2		
M002	1	7109	L GSFC	-.0001	.0007	-.0011	-.0004	-.0005	-.0011	-.4	-.6	-1.2		
M002	1	7109	L1 GZ	-.0019	-.0017	.0016	-.0008	-.0004	.0029	-.2	-.1	.9		
M002	1	7109	C GRIM	-.0035	.0007	.0007	-.0034	-.0002	.0014	-2.3	-.2	1.0		
M002	1	7109	L CSR	.0001	.0006	-.0001	-.0002	.0003	-.0005	-.1	.2	-.3		
M004	1	7221	R GSFC	.0006	.0001	-.0005	.0004	-.0001	-.0006	.1	.0	-.1		
M004	1	7221	R USNO	.0033	-.0005	.0000	.0031	.0008	-.0010	.5	.1	-.1		
M004	1	7221	R NOAA	.0060	.0087	-.0058	.0007	.0023	-.0118	.1	.2	-.9		
M004	1	7221	P CODE	-.0010	-.0009	.0016	-.0004	.0004	.0020	-.3	.2	1.1		
M004	1	7221	P NRCAN	-.0021	-.0057	.0052	.0011	.0001	.0079	.3	.0	1.5		
M004	1	7221	P JPL	-.0018	-.0014	.0023	-.0008	.0004	.0031	-.3	.1	1.3		
M005	1	7886	L CSR	-.0285	-.0174	-.0128	-.0155	-.0288	.0144	-.2	-.3	.1		

40434 MOUNT HOPKINS

Positions

M002	1	7888	L CSR	.0001	-.0019	-.0006	.0008	-.0014	.0011	.0	.0	.0	82:	66
S001	1	7921	L CSR	-.0278	.0288	-.0379	-.0363	-.0233	-.0344	-.4	-.3	-.4	78:	67

Velocities

M002	1	7888	L CSR	.0001	.0017	.0064	-.0005	.0063	.0020	.0	.0	.0		
S001	1	7921	L CSR	.0070	-.0201	-.0010	.0137	-.0094	.0133	.3	-.2	.2		

40436 SAN DIEGO

Positions

M002	1	7062	TIE40436	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93:	1
M002	1	7062	L CSR	-.0133	-.0149	-.0026	-.0051	-.0125	.0148	-.1	-.2	.3	81:	344
M003	1	7035	TIE40436	-.0001	.0001	.0000	-.0002	.0000	.0000	.0	.0	.0	93:	1
M003	1	7035	L CGS	.0104	.0047	-.0151	.0072	-.0079	-.0156	.3	-.3	-.5	93:	1
M003	1	7035	L DUT	.0276	-.0054	.0024	.0270	.0061	-.0052	.9	.2	-.1	93:	1
M003	1	7035	L GSFC	-.0064	-.0116	-.0052	-.0005	-.0115	.0084	.0	-.6	.4	85:	331
M003	1	7035	C GRIM	.0096	.0002	.0097	.0084	.0106	.0014	.2	.2	.0	88:	249
M003	1	7035	L CSR	-.0056	.0070	.0040	-.0081	.0053	-.0010	-.3	.2	.0	88:	244

Velocities

M002	1	7062	L CSR	.0072	-.0140	-.0191	.0127	-.0211	-.0025	.6	-.9	-.1		
M003	1	7035	L CGS	-.0284	.0278	.0157	-.0379	.0197	-.0016	.0	.0	.0		
M003	1	7035	L DUT	.0067	-.0047	-.0023	.0081	-.0026	-.0002	.0	.0	.0		
M003	1	7035	L GSFC	.0000	.0033	.0066	-.0014	.0071	.0011	-.2	1.2	.2		
M003	1	7035	C GRIM	-.0044	.0051	.0058	-.0062	.0062	.0010	-.6	.6	.1		

M003 1 7035 L CSR	.0488	.0211	-.0132	.0341	.0109	-.0415	.1	.0	-.1
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40437 MAMMOTH LAKES

Positions

M001 1 7259 R GSFC	.0122	.0163	.0007	.0028	.0129	-.0155	.1	.3	-.4 85:320
M001 1 7259 R USNO	.0224	.0440	-.0287	-.0017	.0074	-.0566	.0	.1	-.6 86:136
M001 1 7259 R NOAA	-.0281	-.0346	.0226	-.0078	-.0089	.0486	-.2	-.2	1.0 93: 1
M002 1 CASA P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 95:263

Velocities

M001 1 7259 R GSFC	-.0111	-.0397	.0170	.0095	-.0110	.0421	.4	-.4	1.4
M001 1 7259 R USNO	-.0221	-.0307	.0202	-.0044	-.0070	.0421	-.2	-.2	1.3
M001 1 7259 R NOAA	-.0080	-.0076	.0076	-.0033	-.0005	.0130	.0	.0	.0
M002 1 CASA P JPL	.0032	.0000	-.0006	.0028	.0004	-.0016	1.1	.2	-.5

40438 BEAR LAKE

Positions

M001 1 7082 TIE40438	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M001 1 7082 L GSFC	-.0011	-.0062	-.0029	.0012	-.0063	.0027	.1	-.4	.1 90:181
M001 1 7082 L CSR	-.0989	-.0693	.1535	-.0668	.0469	.1775	-.9	.5	1.9 80:202
M002 1 7046 TIE40438	.0001	.0000	-.0001	.0001	.0000	-.0001	.0	.0	.0 93: 1
M002 1 7046 L CGS	-.0056	-.0051	.0113	-.0033	.0038	.0126	-.2	.2	.6 91: 79
M002 1 7046 L DUT	.0134	.0045	.0026	.0108	.0080	-.0050	.5	.3	-.2 91: 96
M002 1 7046 C GRIM	.0031	-.0222	.0016	.0110	-.0119	.0156	.4	-.3	.4 91:273
M002 1 7046 L CSR	-.0013	-.0046	.0078	.0005	.0026	.0087	.0	.1	.4 91:100

Velocities

M001 1 7082 L GSFC	.0015	.0005	.0017	.0012	.0019	.0004	.2	.2	.1
M001 1 7082 L CSR	.0444	-.0147	-.0887	.0467	-.0643	-.0612	1.0	-1.0	-1.0
M002 1 7046 L CGS	-.0098	-.0052	.0078	-.0073	.0002	.0114	-.3	.0	.4
M002 1 7046 L DUT	.0068	.0087	-.0019	.0031	.0057	-.0091	.1	.1	-.2
M002 1 7046 C GRIM	-.0001	.0041	.0020	-.0016	.0040	-.0015	-.2	.4	-.1
M002 1 7046 L CSR	.0001	.0017	.0015	-.0005	.0022	-.0002	.0	.1	.0

40439 OWENS VALLEY

Positions

M001 1 7114 TIE40439	.0002	.0002	.0001	.0001	.0003	-.0001	.0	.0	.0 93: 1
M001 1 7114 L CSR	-.0201	-.0334	-.0040	-.0018	-.0267	.0286	-.1	-.7	.7 80:339
M003 1 7084 TIE40439	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M003 1 7084 L CSR	-.1391	.2233	-.2396	-.2283	-.1117	-.2490	-.8	-.3	-.7 78: 75
M004 1 7853 TIE40439	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M004 1 7853 R GSFC	-.0050	-.0157	.0031	.0031	-.0073	.0148	.2	-.4	.8 87:320
M004 1 7853 R USNO	-.0308	.0059	.1043	-.0299	.0773	.0705	-.7	1.4	1.3 97: 1
M004 1 7853 R NOAA	.0025	-.0166	-.0095	.0101	-.0157	.0050	.5	-.7	.2 87:204
M004 1 7853 L DUT	-.0185	-.0332	.0060	-.0005	-.0182	.0338	.0	-.6	1.1 89:248
M004 1 7853 C GRIM	.0086	-.0104	-.0099	.0125	-.0110	-.0020	.5	-.4	-.1 88:334
M004 1 7853 L CSR	-.0029	-.0457	-.0241	.0191	-.0444	.0185	1.1	-2.0	.9 89: 88
S002 1 7207 TIE40439	-.0068	.0044	.0066	-.0081	.0056	.0034	.0	.0	.0 93: 1
S002 1 7207 R GSFC	.0081	.0174	-.0071	-.0011	.0059	-.0195	-.1	.6	-1.9 86:354
S002 1 7207 R USNO	.0092	.0179	-.0123	-.0004	.0024	-.0235	.0	.2	-2.2 87: 76
S002 1 7207 R NOAA	.0006	-.0048	-.0019	.0028	-.0039	.0020	.6	-.7	.3 87: 6
S002 1 7207 R GIUB	.0034	.0040	-.0004	.0012	.0028	-.0043	.2	.3	-.5 87: 48
S006 1 7616 R GSFC	-.0012	-.0026	.0023	.0002	.0001	.0037	.1	.0	2.0 96: 2
S006 1 7616 R USNO	-.0022	-.0044	.0048	.0001	.0008	.0068	.1	.4	3.1 95:149
S006 1 7616 R NOAA	.0030	.0011	-.0022	.0021	-.0003	-.0032	.6	-.1	-.7 93:248
S006 1 7616 R GIUB	.0004	-.0008	.0021	.0008	.0013	.0016	.4	.6	.8 95: 17

Velocities

M001 1 7114 L CSR	-.0015	.0194	.0085	-.0105	.0167	-.0078	-.4	.5	-.3
M003 1 7084 L CSR	-.0091	-.0013	-.0021	-.0074	-.0050	.0030	.0	.0	.0

M004	1	7853	R	GSFC	.0004	.0015	-.0034	-.0004	-.0017	-.0033	-.3	-1.0	-1.9
M004	1	7853	R	USNO	-.0025	.0036	.0105	-.0040	.0095	.0048	.0	.0	.0
M004	1	7853	R	NOAA	.0004	.0008	-.0023	.0000	-.0013	-.0021	.0	-.6	-.9
M004	1	7853	L	DUT	-.0028	-.0266	.0292	.0102	.0083	.0373	.4	.3	1.3
M004	1	7853	C	GRIM	-.0053	.0060	.0111	-.0075	.0105	.0045	-.8	1.1	.5
M004	1	7853	L	CSR	.0051	.0307	-.0065	-.0100	.0127	-.0274	-.4	.4	-1.0
S002	1	7207	R	GSFC	.0004	.0015	-.0034	-.0004	-.0017	-.0033	-.3	-1.0	-1.9
S002	1	7207	R	USNO	.0013	.0020	-.0045	.0001	-.0021	-.0046	.1	-.9	-2.0
S002	1	7207	R	NOAA	.0004	.0008	-.0023	.0000	-.0013	-.0021	.0	-.6	-.9
S002	1	7207	R	GIUB	.0012	.0004	-.0047	.0008	-.0032	-.0036	.4	-1.2	-1.3
S006	1	7616	R	GSFC	-.0001	-.0010	.0004	.0004	-.0003	.0010	.8	-.4	1.4
S006	1	7616	R	USNO	.0002	.0000	.0004	.0002	.0004	.0001	.4	.5	.2
S006	1	7616	R	NOAA	.0004	.0008	-.0023	.0000	-.0013	-.0021	.0	-.6	-.9
S006	1	7616	R	GIUB	-.0011	-.0031	.0026	.0004	.0001	.0041	.4	.1	3.1

40440 WESTFORD

Positions

M001	1	7091	TIE40440	.0048	.0073	-.0014	.0069	.0026	-.0050	.0	.0	.0	93: 1
M001	1	7091	L CGS	-.0128	.0199	-.0122	-.0058	.0065	-.0251	-.3	.2	-.7	90:278
M001	1	7091	L DUT	-.0068	.0250	-.0058	.0015	.0133	-.0229	.1	.4	-.7	93: 1
M001	1	7091	C GRIM	.0118	.0082	-.0052	.0137	-.0011	-.0065	.7	.0	-.2	90: 0
M001	1	7091	L CSR	-.0228	.0322	-.0301	-.0114	.0035	-.0482	-.7	.2	-2.3	88:120
S002	1	7205	TIE40440	.0051	.0097	-.0020	.0079	.0036	-.0069	.0	.0	.0	93: 1
S002	1	7205	R GSFC	.0008	-.0029	.0050	-.0002	.0016	.0056	-.1	.3	.9	89:215
S002	1	7205	R USNO	-.0001	-.0032	.0030	-.0011	.0002	.0043	-.5	.0	.8	90: 43
S002	1	7205	R NOAA	.0034	.0015	-.0046	.0037	-.0031	-.0033	1.4	-.8	-.9	89: 88
S002	1	7205	R GIUB	.0007	-.0048	.0041	-.0009	-.0002	.0063	-.4	-.1	2.0	92:261
S003	1	7209	TIE40440	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S003	1	7209	R GSFC	.0008	-.0020	.0035	.0001	.0011	.0040	.1	.7	2.6	95:228
S003	1	7209	R USNO	-.0012	.0014	-.0010	-.0007	.0004	-.0019	-1.0	.3	-1.5	94:254
S003	1	7209	R NOAA	.0023	.0019	-.0054	.0028	-.0032	-.0044	1.3	-1.1	-1.5	89:249
S003	1	7209	R GIUB	.0007	-.0020	.0019	.0000	.0000	.0028	.0	.0	1.7	93: 71
S020	1	WES2	TIE40440	-.0099	.0124	-.0145	-.0055	-.0006	-.0208	.0	.0	.0	93: 1
S020	1	WES2	P CODE	.0028	-.0025	.0057	.0019	.0020	.0062	1.0	.8	2.4	96:222
S020	1	WES2	P GFZ	-.0103	-.0096	.0049	-.0128	-.0004	.0076	-3.2	-.1	1.4	96: 53
S020	1	WES2	P NRCAN	.0004	.0011	-.0008	.0007	.0000	-.0012	.6	.0	-.7	97:223
S020	1	WES2	P JPL	.0043	.0013	-.0057	.0045	-.0043	-.0037	.8	-.5	-.5	97:329

Velocities

M001	1	7091	L CGS	.0248	.0192	-.0119	.0296	-.0018	-.0157	.8	.0	-.4	
M001	1	7091	L DUT	.0051	-.0003	-.0054	.0047	-.0053	-.0023	.0	.0	.0	
M001	1	7091	C GRIM	-.0027	.0011	.0027	-.0022	.0033	.0004	-.3	.4	.0	
M001	1	7091	L CSR	.0051	-.0181	.0162	-.0009	-.0008	.0248	-.2	-.2	5.0	
S002	1	7205	R GSFC	-.0011	.0005	-.0011	-.0009	-.0002	-.0013	-1.9	-.3	-1.4	
S002	1	7205	R USNO	-.0005	.0005	-.0007	-.0003	-.0001	-.0010	-.6	-.1	-1.0	
S002	1	7205	R NOAA	-.0010	.0014	-.0019	-.0005	-.0003	-.0025	-.7	-.3	-2.0	
S002	1	7205	R GIUB	.0000	-.0002	.0006	.0000	.0003	.0005	-.2	.9	1.5	
S003	1	7209	R GSFC	-.0001	.0001	-.0002	-.0001	-.0001	-.0002	-.5	-.3	-.7	
S003	1	7209	R USNO	.0000	-.0002	.0002	-.0001	.0000	.0003	-.5	.0	1.1	
S003	1	7209	R NOAA	-.0004	.0004	-.0013	-.0003	-.0007	-.0012	-.7	-.9	-1.7	
S003	1	7209	R GIUB	.0000	-.0002	.0006	-.0001	.0003	.0005	-.3	.9	1.5	
S020	1	WES2	P CODE	.0022	.0008	-.0005	.0023	-.0004	-.0004	3.7	-.4	-.4	
S020	1	WES2	P GFZ	.0041	-.0005	.0002	.0038	-.0011	.0014	1.6	-.4	.5	
S020	1	WES2	P NRCAN	.0018	.0028	-.0058	.0026	-.0028	-.0055	1.7	-1.2	-2.3	
S020	1	WES2	P JPL	-.0012	-.0015	.0020	-.0016	.0008	.0021	-.5	.2	.5	

40441 GREENBANK

Positions

S001	1	7204	R GSFC	-.0003	-.0019	-.0006	-.0006	-.0016	.0011	-.5	-.6	.4	94:133
S001	1	7204	R USNO	.0008	-.0018	-.0011	.0005	-.0020	.0008	.3	-.5	.2	92:345
S001	1	7204	R NOAA	.0043	.0087	-.0001	.0058	.0048	-.0062	1.9	.7	-.9	90:221

S001 1 7204 R GIUB	.0001	.0026	.0029	.0006	.0039	-.0002	.2	.7	.0	94: 43
S004 1 7214 R GSFC	-.0050	-.0143	.0106	-.0074	.0001	.0169	-3.5	.0	3.8	91: 65
S004 1 7214 R USNO	-.0052	-.0120	.0063	-.0072	-.0019	.0125	-2.9	-.3	2.0	90:286
S004 1 7214 R NOAA	.0031	.0009	-.0051	.0033	-.0038	-.0034	1.3	-.9	-.8	92:123
S004 1 7214 R GIUB	-.0051	-.0136	.0101	-.0075	.0001	.0161	-3.0	.0	3.1	90:252
S004 2 7214 R GSFC	-.0014	-.0010	.0007	-.0016	.0001	.0010	-1.2	.0	.3	97: 1
S004 2 7214 R USNO	-.0007	-.0046	.0019	-.0015	-.0013	.0046	-1.0	-.4	1.4	97: 1
S004 2 7214 R GIUB	.0009	.0005	.0015	.0010	.0014	.0006	.6	.6	.3	93: 1
S005 1 7248 R GSFC	.0017	-.0053	.0046	.0007	.0002	.0072	.2	.0	.6	93:182
S005 1 7248 R USNO	-.0018	.0066	-.0017	-.0006	.0029	-.0064	-.1	.2	-.4	93:164
S007 1 7208 R GSFC	-.0009	.0017	-.0006	-.0006	.0007	-.0018	-.7	.3	-.9	96:359
S007 1 7208 R USNO	-.0020	.0067	-.0054	-.0008	.0001	-.0088	-1.1	.0	-4.4	97: 33
S007 1 7208 R GIUB	.0018	-.0028	.0025	.0013	.0000	.0040	.8	.0	1.9	96:201

Velocities

S001 1 7204 R GSFC	-.0003	.0004	-.0004	-.0003	.0000	-.0006	-.8	.0	-.6	
S001 1 7204 R USNO	.0000	.0005	.0003	.0001	.0006	-.0002	.3	.4	-.1	
S001 1 7204 R NOAA	-.0004	.0012	-.0011	-.0001	.0000	-.0017	-.2	.0	-.9	
S001 1 7204 R GIUB	-.0006	-.0001	.0008	-.0006	.0006	.0005	-1.1	.6	.4	
S004 1 7214 R GSFC	-.0006	.0002	.0002	-.0006	.0003	-.0001	-1.3	.3	-.1	
S004 1 7214 R USNO	-.0004	-.0002	.0006	-.0004	.0004	.0005	-.9	.5	.5	
S004 1 7214 R NOAA	.0005	.0013	-.0011	.0008	-.0001	-.0016	1.2	.0	-1.1	
S004 1 7214 R GIUB	-.0006	-.0001	.0008	-.0006	.0006	.0005	-1.1	.6	.4	
S004 2 7214 R GSFC	-.0156	.0010	.0004	-.0152	.0026	-.0027	.0	.0	.0	
S004 2 7214 R USNO	-.0141	-.0014	-.0003	-.0141	.0005	-.0010	.0	.0	.0	
S004 2 7214 R GIUB	-.0155	.0010	.0014	-.0151	.0035	-.0020	.0	.0	.0	
S005 1 7248 R GSFC	-.0003	.0004	-.0004	-.0003	.0000	-.0006	-.8	.0	-.7	
S005 1 7248 R USNO	-.0004	-.0002	.0006	-.0004	.0004	.0005	-.9	.5	.5	
S007 1 7208 R GSFC	-.0002	-.0012	-.0008	-.0004	-.0014	.0004	-.7	-1.3	.4	
S007 1 7208 R USNO	-.0003	-.0012	-.0001	-.0006	-.0008	.0008	-1.1	-.8	.7	
S007 1 7208 R GIUB	.0010	-.0015	-.0013	.0008	-.0020	.0005	.6	-.9	.2	

40442 FORT DAVIS

Positions

M001 1 7086 TIE40442	-.0008	.0077	.0024	-.0027	.0058	-.0050	.0	.0	.0	93: 1
M001 1 7086 L CGS	.0076	-.0074	.0108	.0091	.0065	.0101	1.2	.6	.9	87: 68
M001 1 7086 C GRIM	.0057	-.0140	.0029	.0089	-.0038	.0120	.8	-.2	.7	93: 1
M001 1 7086 L CSR	.0008	-.0274	.0099	.0074	-.0050	.0277	.7	-.5	2.9	87:261
M005 1 7885 TIE40442	-.0010	.0078	.0024	-.0029	.0058	-.0051	.0	.0	.0	93: 1
M005 1 7885 L CSR	.0317	-.0779	.0296	.0497	-.0092	.0735	.7	-.1	.6	82:237
M006 1 7080 TIE40442	.0006	-.0009	-.0017	.0007	-.0018	-.0002	.0	.0	.0	93: 1
M006 1 7080 L CGS	.0035	.0071	-.0036	.0017	.0008	-.0085	.4	.2	-1.4	94:120
M006 1 7080 L DUT	.0081	-.0020	-.0046	.0083	-.0040	-.0024	.7	-.2	-.2	93:217
M006 1 7080 L GSFC	.0030	.0078	-.0097	.0010	-.0041	-.0121	.2	-.5	-1.4	89:245
M006 1 7080 L1 GZ	.0016	.0018	-.0009	.0011	.0003	-.0023	.2	.1	-.6	95:169
M006 1 7080 C GRIM	-.0066	-.0122	.0020	-.0034	-.0051	.0126	-.9	-.8	1.9	93: 1
M006 1 7080 L CSR	-.0009	-.0024	.0038	-.0003	.0020	.0042	-.1	.5	1.2	92:106
M008 1 7850 TIE40442	.0024	.0008	.0018	.0022	.0022	-.0003	.0	.0	.0	93: 1
M008 1 7850 R GSFC	.0021	.0061	.0023	.0006	.0052	-.0043	.0	.2	-.1	91:350
M008 1 7850 R USNO	-.0113	-.0303	.0289	-.0036	.0084	.0424	-.1	.2	.7	97: 1
M008 1 7850 L CGS	-.0042	.0100	.0021	-.0065	.0062	-.0064	-.4	.2	-.2	93: 1
M008 1 7850 L1 GZ	.0042	-.0008	.0061	.0043	.0054	.0029	.3	.4	.2	93: 1
M008 1 7850 C GRIM	-.0001	-.0114	.0025	.0027	-.0035	.0108	.2	-.2	.6	91:187
M008 1 7850 L CSR	.0030	-.0057	.0130	.0043	.0087	.0108	.3	.4	.5	93: 74
M009 1 7900 TIE40442	-.0041	.0005	-.0005	-.0041	-.0007	.0001	.0	.0	.0	93: 1
M009 1 7900 R GSFC	.0150	.0164	-.0068	.0106	.0041	-.0202	.7	.2	-.6	91:296
M009 1 7900 R USNO	.0185	.0283	-.0102	.0111	.0075	-.0326	.4	.1	-.4	97: 1
M012 1 MDO1 TIE40442	.0053	-.0062	.0030	.0067	.0002	.0056	.0	.0	.0	93: 1
M012 1 MDO1 P CODE	.0034	.0092	-.0020	.0010	.0032	-.0094	.5	1.2	-3.0	96:251
M012 1 MDO1 P GFZ	-.0065	-.0010	-.0021	-.0061	-.0031	.0011	-1.4	-.5	.2	96:191
M012 1 MDO1 P NRCAN	-.0006	.0034	-.0004	-.0014	.0012	-.0029	-1.0	.6	-1.1	97:254
M012 1 MDO1 P JPL	.0005	-.0048	.0021	.0017	-.0005	.0050	.7	-.2	1.3	95:275

S001	1	7086	TIE40442	-.0008	.0077	.0024	-.0027	.0058	-.0050	.0	.0	.0	93:	1
S002	1	7206	TIE40442	-.0008	.0077	.0024	-.0027	.0058	-.0050	.0	.0	.0	93:	1
S003	1	7216	TIE40442	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93:	1
S003	1	7216	R GSFC	-.0002	-.0012	.0040	.0001	.0029	.0031	.1	.9	.9	89:	271
S003	1	7216	R USNO	-.0020	-.0066	.0066	-.0003	.0021	.0093	-.2	.6	2.5	88:	281
S003	1	7216	R NOAA	.0036	.0035	-.0042	.0026	-.0014	-.0058	.9	-.3	-1.4	88:	185
S003	1	7216	R GIUB	.0004	-.0017	.0000	.0008	-.0008	.0013	.3	-.2	.3	88:	266
S017	1	7613	TIE40442	-.0088	-.0067	.0035	-.0069	-.0014	.0093	.0	.0	.0	93:	1
S017	1	7613	R GSFC	-.0010	-.0037	.0026	-.0001	.0002	.0046	-.1	.1	2.5	95:	301
S017	1	7613	R USNO	.0000	-.0007	.0011	.0001	.0006	.0012	.2	.3	.5	95:	63
S017	1	7613	R NOAA	.0007	.0045	-.0055	-.0004	-.0025	-.0067	-.2	-.5	-1.4	93:	53
S017	1	7613	R GIUB	.0006	-.0005	.0011	.0007	.0008	.0008	.4	.4	.5	94:	72

Velocities

M001	1	7086	L CGS	-.0025	-.0170	.0035	.0017	-.0057	.0165	.2	-.4	1.1		
M001	1	7086	C GRIM	-.0157	-.0008	-.0046	-.0151	-.0063	.0016	.0	.0	.0		
M001	1	7086	L CSR	-.0006	-.0048	.0028	.0006	.0000	.0055	.2	.0	1.3		
M005	1	7885	L CSR	-.0049	-.0088	-.0039	-.0026	-.0083	.0064	.0	.0	.0		
M006	1	7080	L CGS	.0001	-.0004	.0001	.0002	-.0001	.0003	.1	.0	.1		
M006	1	7080	L DUT	.0040	-.0003	-.0027	.0040	-.0020	-.0020	1.5	-.6	-.7		
M006	1	7080	L GSFC	-.0007	-.0013	.0020	-.0004	.0010	.0022	-.3	.5	1.0		
M006	1	7080	L1 GZ	-.0011	-.0003	-.0002	-.0010	-.0005	.0003	-.3	-.2	.1		
M006	1	7080	C GRIM	-.0157	-.0008	-.0046	-.0151	-.0063	.0016	.0	.0	.0		
M006	1	7080	L CSR	.0009	-.0009	.0010	.0011	.0006	.0011	.5	.3	.7		
M008	1	7850	R GSFC	-.0005	-.0010	.0002	-.0002	-.0004	.0010	-.8	-.8	1.8		
M008	1	7850	R USNO	-.0003	.0000	.0002	-.0003	.0001	.0002	.0	.0	.0		
M008	1	7850	L CGS	-.0115	-.0011	-.0084	-.0109	-.0092	-.0009	.0	.0	.0		
M008	1	7850	L1 GZ	-.0126	.0008	-.0076	-.0124	-.0077	-.0019	.0	.0	.0		
M008	1	7850	C GRIM	-.0025	-.0021	.0003	-.0019	-.0011	.0024	-.8	-.5	1.0		
M008	1	7850	L CSR	-.0026	.0177	.0104	-.0068	.0174	-.0089	.0	.1	.0		
M009	1	7900	R GSFC	-.0005	-.0010	.0001	-.0003	-.0004	.0010	-.8	-.8	1.8		
M009	1	7900	R USNO	-.0003	.0000	.0002	-.0003	.0001	.0002	.0	.0	.0		
M012	1	MDO1	P CODE	.0000	.0006	.0009	-.0002	.0010	-.0001	-.2	1.3	-.1		
M012	1	MDO1	P GFZ	.0015	.0005	-.0025	.0013	-.0017	-.0020	.4	-.4	-.4		
M012	1	MDO1	P NRCAN	-.0013	-.0040	.0036	-.0002	.0010	.0055	-.1	.4	1.6		
M012	1	MDO1	P JPL	-.0014	.0009	.0003	-.0016	.0006	-.0003	-1.0	.3	-.1		
S003	1	7216	R GSFC	-.0006	-.0024	.0007	.0000	-.0006	.0025	.0	-.7	2.5		
S003	1	7216	R USNO	.0006	-.0012	-.0001	.0009	-.0006	.0009	1.4	-.4	.6		
S003	1	7216	R NOAA	-.0002	.0003	-.0002	-.0003	.0000	-.0003	-.3	.0	-.2		
S003	1	7216	R GIUB	.0029	.0034	.0000	.0020	.0020	-.0035	2.1	1.1	-1.6		
S017	1	7613	R GSFC	-.0005	-.0010	.0001	-.0003	-.0004	.0010	-.8	-.8	1.8		
S017	1	7613	R USNO	-.0004	-.0010	.0008	-.0001	.0001	.0014	-.4	.3	2.4		
S017	1	7613	R NOAA	.0014	-.0009	-.0006	.0016	-.0008	.0001	1.2	-.3	.1		
S017	1	7613	R GIUB	.0000	-.0013	.0005	.0003	-.0002	.0013	.5	-.2	1.3		

40445 MAUI

Positions

M001	1	7210	TIE40445	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93:	1
M001	1	7210	L CGS	-.0054	-.0074	.0082	.0046	.0048	.0103	1.3	1.3	2.4	93:	203
M001	1	7210	L DUT	.0023	-.0112	-.0096	.0112	-.0099	-.0011	.9	-.5	-.1	93:	66
M001	1	7210	L GSFC	-.0038	.0070	.0001	-.0079	-.0001	.0007	-1.6	-.1	.2	88:	168
M001	1	7210	L1 GZ	.0145	.0041	-.0041	.0021	.0015	-.0154	.5	.4	-4.6	95:	188
M001	1	7210	C GRIM	-.0235	-.0116	.0077	.0011	-.0021	.0272	.3	-.4	4.8	93:	15
M001	1	7210	L CSR	.0000	-.0015	.0010	.0014	.0007	.0009	.4	.2	.3	92:	56
M002	1	7120	TIE40445	-.0006	.0027	.0008	-.0027	.0010	-.0002	.0	.0	.0	93:	1
M002	1	7120	R GSFC	.0037	-.0026	.0039	.0038	.0045	-.0008	.1	.2	.0	92:	115
M002	1	7120	R USNO	.0452	-.0032	-.0190	.0211	-.0036	-.0442	.4	-.1	-.5	97:	1
M002	1	7120	R NOAA	-.0227	-.0046	.0169	-.0049	.0078	.0272	-.2	.3	.6	93:	1
M002	1	7120	L CSR	-.0476	-.0309	-.0117	.0091	-.0308	.0483	.3	-1.0	1.4	81:	164
S005	1	7210	TIE40445	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93:	1

Velocities

M001 1 7210 L CGS	-.0013	.0020	-.0022	-.0023	-.0022	-.0004	-2.1	-1.8	-.3
M001 1 7210 L DUT	.0023	-.0022	.0002	.0030	.0006	-.0011	1.2	.2	-.5
M001 1 7210 L GSFC	.0025	-.0003	-.0008	.0013	.0000	-.0023	1.4	.0	-3.0
M001 1 7210 L1 GZ	-.0114	-.0033	.0029	-.0016	-.0014	.0121	-.6	-.6	5.7
M001 1 7210 C GRIM	-.0061	.0033	.0008	-.0055	-.0008	.0043	-2.4	-.5	1.9
M001 1 7210 L CSR	-.0025	-.0007	.0004	-.0004	-.0006	.0025	-.2	-.3	1.8
M002 1 7120 R GSFC	-.0006	-.0007	-.0015	.0004	-.0017	.0002	.5	-1.8	.2
M002 1 7120 R USNO	-.0026	-.0027	-.0001	.0014	-.0013	.0032	.0	.0	.0
M002 1 7120 R NOAA	-.0009	.0028	.0005	-.0029	.0006	-.0001	.0	.0	.0
M002 1 7120 L CSR	-.0462	.0212	.0535	-.0380	.0381	.0504	-.7	.7	.7

40449 OCOTILLO

Positions

M001 1 7270 R GSFC	.0113	.0231	-.0089	.0001	.0064	-.0264	.0	.1	-.4 85: 42
M001 1 7270 R USNO	-.0307	-.0467	.0442	-.0073	.0071	.0705	-.1	.1	.5 97: 1
M001 1 7270 R NOAA	-.0134	-.0406	.0254	.0056	-.0016	.0493	.1	.0	.6 93: 1

Velocities

M001 1 7270 R GSFC	-.0023	.0017	.0008	-.0028	.0009	.0000	-.3	.1	.0
M001 1 7270 R USNO	-.0005	.0006	-.0014	-.0007	-.0010	-.0010	.0	.0	.0
M001 1 7270 R NOAA	-.0006	-.0009	.0007	-.0001	.0000	.0012	.0	.0	.0

40451 WASHINGTON

Positions

M101 1 7101 TIE40451	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M101 1 7101 L CSR	.0302	-.0314	.0665	.0222	.0281	.0710	.1	.1	.2 79:250
M102 1 7102 TIE40451	-.0056	.0002	.0017	-.0055	.0023	-.0001	.0	.0	.0 93: 1
M102 1 7102 R GSFC	.0030	.0009	.0003	.0031	.0004	.0000	.6	.0	.0 91:200
M102 1 7102 R USNO	.0026	-.0006	.0012	.0024	.0002	.0017	.2	.0	.1 91:106
M102 1 7102 R NOAA	.0039	-.0024	-.0078	.0033	-.0081	-.0025	.5	-.5	-.1 91:210
M102 1 7102 L CSR	-.0076	.0002	.0094	-.0074	.0085	.0044	-.2	.2	.1 81:283
M103 1 7103 TIE40451	-.0002	.0000	.0000	-.0002	.0001	-.0001	.0	.0	.0 93: 1
M103 1 7103 L CSR	.0324	-.0336	.0337	.0239	.0010	.0524	.6	.0	.8 82:202
M104 1 7104 TIE40451	.0001	.0000	.0000	.0001	.0000	.0000	.0	.0	.0 93: 1
M104 1 7104 L CSR	-.0844	.0011	.0393	-.0819	.0433	.0089	-.5	.2	.0 79:105
M105 1 7105 TIE40451	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M105 1 7105 L CGS	.0026	.0075	.0013	.0042	.0053	-.0044	.0	.0	.0 93: 1
M105 1 7105 L DUT	.0019	-.0080	.0045	.0000	-.0017	.0093	.0	-.1	.7 93: 68
M105 1 7105 L GSFC	-.0007	.0031	-.0025	.0000	.0001	-.0040	.0	.0	-2.0 89:331
M105 1 7105 L1 GZ	.0007	-.0034	.0023	-.0001	-.0004	.0041	-.1	-.1	1.2 95:250
M105 1 7105 C GRIM	.0017	-.0076	-.0038	-.0001	-.0078	.0036	.0	-1.5	.7 93: 1
M105 1 7105 L CSR	-.0012	.0012	-.0006	-.0009	.0004	-.0015	-.3	.1	-.5 92: 93
M106 1 7100 TIE40451	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M106 1 7100 L CSR	.0667	-.2392	-.3402	.0104	-.4205	-.0214	.0	-.7	.0 77:299
M108 1 7065 TIE40451	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M108 1 7065 L CSR	-.2942	-.2408	.6241	-.3413	.3795	.5230	-.2	.2	.3 76:175
M111 1 7899 TIE40451	.0000	.0000	.0000	.0000	.0001	.0000	.0	.0	.0 93: 1
M111 1 7899 L CSR	.0251	-.0657	.0299	.0094	-.0206	.0730	.1	-.1	.5 80:262
M112 1 7063 TIE40451	.0001	-.0004	-.0009	.0000	-.0009	-.0002	.0	.0	.0 93: 1
M112 1 7063 L CSR	-.0091	-.0180	.0709	-.0130	.0454	.0567	-.4	1.1	1.4 80:176
M113 1 L CSR	-.0045	.0053	.0031	-.0032	.0063	-.0028	.0	.0	.0 94:351
M114 1 7125 TIE40451	.0001	-.0007	-.0005	-.0001	-.0009	.0003	.0	.0	.0 93: 1
M114 1 7125 C GRIM	.0023	-.0022	-.0026	.0018	-.0037	.0005	.1	-.1	.0 93: 1
M114 1 7125 L CSR	-.0250	.0483	.0193	-.0134	.0481	-.0288	-.4	.8	-.5 85:170
M116 1 7130 TIE40451	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M116 1 7130 L CSR	-.0031	-.0170	.0041	-.0069	-.0068	.0149	-.1	-.1	.1 86:336
M117 1 7920 TIE40451	.0003	.0003	.0002	.0004	.0003	-.0001	.0	.0	.0 93: 1
M117 1 7920 L CGS	.0069	.0077	-.0153	.0084	-.0082	-.0142	.2	-.1	-.1 93: 1
M117 1 7920 C GRIM	.0029	-.0062	-.0041	.0014	-.0074	.0027	.1	-.3	.1 93: 1
M117 1 7920 L CSR	-.0072	.0026	-.0047	-.0064	-.0010	-.0062	-.3	.0	-.1 90:223
M120 1 7918 TIE40451	.0001	-.0007	.0010	-.0001	.0003	.0011	.0	.0	.0 93: 1

M120 1 7918 L CGS	.0023	.0145	-.0077	.0055	.0026	-.0154	.7	.2	-1.1	94:360
M120 1 7918 L1 GZ	-.0052	.0094	.0017	-.0030	.0079	-.0069	-.3	.7	-.7	93: 1
M120 1 7918 C GRIM	.0025	-.0075	-.0027	.0008	-.0071	.0044	.1	-.5	.3	93:166
M120 1 7918 L CSR	-.0020	.0042	.0010	-.0010	.0036	-.0029	-.1	.3	-.2	94:139
M121 1 7919 L CSR	-.0001	-.0015	-.0018	-.0004	-.0023	.0000	.0	.0	.0	86:118
M123 1 GODE TIE40451	-.0055	-.0118	-.0001	-.0081	-.0065	.0079	.0	.0	.0	93: 1
M123 1 GODE P CODE	.0008	.0063	-.0012	.0022	.0028	-.0054	1.1	.9	-1.7	97: 66
M123 1 GODE P NRCAN	-.0014	.0047	-.0024	-.0003	.0012	-.0053	-.2	.4	-1.8	97:294
M123 1 GODE P JPL	-.0019	.0027	-.0034	-.0013	-.0007	-.0046	-.5	-.2	-1.2	96: 67
M125 1 7108 TIE40451	.0062	.0055	.0003	.0073	.0027	-.0029	.0	.0	.0	93: 1
M125 1 7108 R GSFC	.0004	-.0025	.0020	-.0002	-.0001	.0032	-.1	.0	.8	94:258
M125 1 7108 R USNO	.0025	-.0095	.0090	.0002	.0008	.0133	.1	.1	1.6	94:288
M125 1 7108 R NOAA	.0006	-.0060	-.0021	-.0008	-.0054	.0033	-.2	-.7	.4	94: 48
S003 1 USNO P CODE	.0025	.0012	.0034	.0027	.0030	.0017	1.2	.8	.4	98: 25
S003 1 USNO P NRCAN	-.0002	.0016	-.0002	.0001	.0009	-.0014	.1	.3	-.5	98: 77

Velocities

M101 1 7101 L CSR	-.0142	-.0050	-.0152	-.0150	-.0129	-.0083	-.1	-.1	.0
M102 1 7102 R GSFC	.0000	-.0010	.0017	-.0003	.0007	.0018	-.1	.2	.4
M102 1 7102 R USNO	.0011	-.0041	.0032	.0002	-.0002	.0053	.0	.0	.5
M102 1 7102 R NOAA	.0008	-.0026	.0015	.0002	-.0005	.0031	.1	-.1	.3
M102 1 7102 L CSR	.0026	.0145	-.0285	.0058	-.0136	-.0284	.3	-.4	-.9
M103 1 7103 L CSR	-.0394	.0355	-.0417	-.0303	-.0050	-.0601	-.7	-.1	-.8
M104 1 7104 L CSR	.0064	.0035	.0118	.0070	.0104	.0059	.0	.0	.0
M105 1 7105 L CGS	.0007	.0008	-.0003	.0008	.0001	-.0007	.0	.0	.0
M105 1 7105 L DUT	.0041	-.0017	-.0024	.0036	-.0035	.0005	1.5	-1.5	.2
M105 1 7105 L GSFC	-.0001	.0005	-.0004	.0000	.0000	-.0006	.0	.0	-1.5
M105 1 7105 L1 GZ	.0004	-.0016	-.0013	.0000	-.0021	.0005	.0	-.9	.2
M105 1 7105 C GRIM	-.0170	-.0018	.0033	-.0170	.0039	.0004	.0	.0	.0
M105 1 7105 L CSR	.0004	.0013	.0003	.0007	.0010	-.0007	.4	.7	-.5
M106 1 7100 L CSR	-.0013	-.0015	-.0009	-.0016	-.0014	.0003	.0	.0	.0
M108 1 7065 L CSR	-.0012	-.0004	-.0020	-.0012	-.0016	-.0012	.0	.0	.0
M111 1 7899 L CSR	-.0243	-.0266	-.0201	-.0298	-.0284	.0031	-.1	-.1	.0
M112 1 7063 L CSR	-.0051	.0171	-.0496	-.0011	-.0273	-.0451	.0	-.7	-1.1
M113 1 L CSR	-.0008	-.0011	-.0016	-.0010	-.0018	-.0003	.0	.0	.0
M114 1 7125 C GRIM	-.0170	-.0018	.0033	-.0170	.0039	.0004	.0	.0	.0
M114 1 7125 L CSR	-.0129	-.0126	-.0130	-.0155	-.0160	-.0010	-.1	-.1	.0
M116 1 7130 L CSR	-.0037	.0030	.0009	-.0029	.0031	-.0024	.0	.0	.0
M117 1 7920 L CGS	-.0142	-.0006	.0000	-.0140	.0016	-.0021	.0	.0	.0
M117 1 7920 C GRIM	-.0170	-.0018	.0033	-.0170	.0039	.0004	.0	.0	.0
M117 1 7920 L CSR	-.0014	.0063	-.0019	.0001	.0026	-.0062	.0	.0	-.1
M120 1 7918 L CGS	.0000	.0030	-.0013	.0007	.0008	-.0031	.2	.1	-.5
M120 1 7918 L1 GZ	-.0154	.0010	.0015	-.0148	.0040	-.0025	.0	.0	.0
M120 1 7918 C GRIM	-.0028	-.0020	-.0002	-.0032	-.0010	.0009	-1.8	-.6	.6
M120 1 7918 L CSR	.0003	.0029	.0015	.0009	.0029	-.0012	.3	.5	-.2
M121 1 7919 L CSR	.0030	-.0053	-.0023	.0017	-.0055	.0031	.0	.0	.0
M123 1 GODE P CODE	.0001	-.0012	.0021	-.0002	.0009	.0022	-.1	.3	.7
M123 1 GODE P NRCAN	-.0008	-.0010	.0020	-.0010	.0010	.0019	-.6	.3	.4
M123 1 GODE P JPL	-.0008	.0008	.0000	-.0006	.0006	-.0007	-.3	.2	-.2
M125 1 7108 R GSFC	.0000	-.0010	.0017	-.0002	.0007	.0018	-.1	.2	.4
M125 1 7108 R USNO	.0032	-.0038	.0058	.0023	.0017	.0071	.9	.3	1.2
M125 1 7108 R NOAA	.0008	-.0026	.0015	.0002	-.0005	.0031	.1	-.1	.3
S003 1 USNO P CODE	.0031	-.0103	.0089	.0007	.0002	.0139	.1	.0	.9
S003 1 USNO P NRCAN	-.0006	-.0016	.0021	-.0010	.0008	.0025	-.2	.1	.2

40452 BLOOMINGTON

Positions

M001 1 7291 R GSFC	-.0067	.0093	-.0041	-.0061	.0030	-.0101	-.2	.0	-.1	87:243
M001 1 7291 R NOAA	-.0386	.0344	.0851	-.0364	.0892	.0253	-.4	.4	.1	93: 1

Velocities

M001 1 7291 R GSFC	-.0049	.0101	.0127	-.0043	.0164	.0000	-.5	2.4	.0
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M001 1 7291 R NOAA	-.0041	.0092	.0136	-.0036	.0165	.0012	.0	.0	.0	
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40453 CARROLLTON

Positions

M001 1 7228 R GSFC	-.0110	.0265	-.0259	-.0087	-.0064	-.0370	-.3	-.1	-.4	87:210
M001 1 7228 R NOAA	-.0032	-.1594	.1558	-.0168	.0422	.2182	-.2	.2	.8	93: 1

Velocities

M001 1 7228 R GSFC	-.0020	.0066	.0102	-.0014	.0122	.0000	-.2	1.7	.0	
M001 1 7228 R NOAA	-.0011	.0057	.0111	-.0006	.0124	.0013	.0	.0	.0	

40454 LEONARD

Positions

M001 1 7292 R GSFC	.0011	.0060	-.0072	.0005	-.0023	-.0091	.0	.0	-.2	87:238
M001 1 7292 R NOAA	.0026	.0053	.0059	.0021	.0080	-.0010	.1	.1	.0	93: 1

Velocities

M001 1 7292 R GSFC	.0001	.0022	.0031	-.0001	.0038	.0000	.0	.5	.0	
M001 1 7292 R NOAA	.0010	.0011	.0039	.0009	.0039	.0013	.0	.0	.0	

40455 MILES CITY

Positions

M001 1 7038 R GSFC	.0013	.0043	-.0076	.0000	-.0020	-.0086	.0	.0	-.1	88:111
M001 1 7038 R NOAA	-.0093	-.0008	.0104	-.0087	.0048	.0098	-.2	.0	.1	93: 1

Velocities

M001 1 7038 R GSFC	-.0024	.0027	.0018	-.0030	.0026	.0000	-.3	.4	.0	
M001 1 7038 R NOAA	-.0018	.0016	.0023	-.0022	.0023	.0010	.0	.0	.0	

40456 PIETOWN

Positions

M001 1 PIE1 TIE40456	.0015	-.0034	.0047	.0025	.0023	.0050	.0	.0	.0	93: 1
M001 1 PIE1 P CODE	.0040	.0094	-.0029	.0009	.0034	-.0101	.4	1.2	-3.5	96:255
M001 1 PIE1 P NRCAN	-.0002	.0040	-.0020	-.0014	.0005	-.0042	-.8	.2	-1.4	97:290
M001 1 PIE1 P JPL	-.0008	-.0103	.0068	.0024	.0000	.0122	.9	.0	3.3	95:277
S001 1 7234 TIE40456	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S001 1 7234 R GSFC	.0006	.0018	-.0010	.0000	.0002	-.0022	.0	.1	-1.2	95:326
S001 1 7234 R USNO	.0007	.0019	-.0004	.0001	.0008	-.0019	.1	.5	-1.0	95: 19
S001 1 7234 R NOAA	.0024	-.0011	-.0037	.0026	-.0032	-.0018	1.0	-.9	-.5	90:301
S001 1 7234 R GIUB	-.0001	-.0017	.0021	.0004	.0008	.0026	.3	.4	1.5	93:122

Velocities

M001 1 PIE1 P CODE	-.0002	.0003	-.0001	-.0003	.0000	-.0002	-.4	.0	-.3	
M001 1 PIE1 P NRCAN	-.0012	-.0026	.0022	-.0003	.0002	.0036	-.1	.0	.9	
M001 1 PIE1 P JPL	-.0014	.0023	-.0017	-.0020	-.0004	-.0023	-1.3	-.2	-1.0	
S001 1 7234 R GSFC	.0000	-.0004	-.0002	.0001	-.0003	.0002	.4	-.7	.5	
S001 1 7234 R USNO	-.0002	-.0009	.0007	.0001	.0001	.0012	.6	.2	3.1	
S001 1 7234 R NOAA	-.0008	-.0008	.0011	-.0005	.0004	.0015	-.8	.3	1.2	
S001 1 7234 R GIUB	.0000	-.0001	.0005	.0001	.0003	.0003	.1	.5	.6	

40457 SEATTLE

Positions

M001 1 7229 R GSFC	.0045	.0084	-.0036	-.0007	.0046	-.0091	.0	.1	-.2	89: 77
M001 1 7229 R USNO	-.0039	.0052	.0043	-.0061	.0046	.0016	-.1	.0	.0	97: 1
M001 1 7229 R NOAA	-.0020	-.0082	.0040	.0027	-.0033	.0083	.1	.0	.1	89:274

Velocities

M001 1 7229 R GSFC	-.0109	-.0188	.0210	.0008	-.0019	.0301	.0	-.1	1.1	
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M001 1 7229 R USNO	-.0048	-.0053	.0060	-.0012	-.0011	.0092	.0	.0	.0
M001 1 7229 R NOAA	.0005	.0029	-.0017	-.0011	.0009	-.0031	.0	.0	-.1

40460 SCRIPPS_3

Positions

M004 1 SIO3 P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 96:364
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Velocities

M004 1 SIO3 P JPL	.0000	.0001	.0000	.0000	.0000	-.0001	.0	.0	.0
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40461 WHITTIER

Positions

M001 1 WHC1 P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 97: 3
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Velocities

M001 1 WHC1 P JPL	.0000	.0000	.0000	.0000	.0000	-.0001	.0	.0	.0
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40463 LOS ALAMOS

Positions

S001 1 7611 R GSFC	-.0002	-.0005	.0007	-.0001	.0003	.0009	-.1	.2	.5 95:333
S001 1 7611 R USNO	.0003	.0000	.0005	.0003	.0004	.0002	.4	.2	.1 95: 57
S001 1 7611 R NOAA	.0025	.0004	-.0039	.0023	-.0026	-.0032	.9	-.6	-.8 92: 90
S001 1 7611 R GIUB	.0001	-.0020	.0024	.0007	.0008	.0029	.5	.5	1.8 93:321

Velocities

S001 1 7611 R GSFC	-.0001	-.0001	-.0003	-.0001	-.0003	-.0001	-.3	-.6	-.2
S001 1 7611 R USNO	-.0001	-.0008	.0008	.0001	.0002	.0012	.5	.4	2.7
S001 1 7611 R NOAA	-.0005	.0009	-.0010	-.0007	-.0004	-.0012	-.8	-.2	-.8
S001 1 7611 R GIUB	-.0003	-.0010	.0011	.0000	.0003	.0015	.0	.4	2.0

40465 NORTH LIBERTY

Positions

M001 1 NLIB TIE40465	.0014	-.0014	-.0008	.0015	-.0015	.0004	.0	.0	.0 93: 1
M001 1 NLIB P CODE	.0020	.0022	.0024	.0019	.0033	-.0001	1.1	1.1	.0 97: 28
M001 1 NLIB P GFZ	-.0108	-.0049	.0004	-.0107	-.0032	.0041	-2.8	-.6	.7 96:203
M001 1 NLIB P NRCAN	-.0004	.0026	-.0006	-.0005	.0013	-.0023	-.5	.6	-1.0 97:247
M001 1 NLIB P JPL	-.0002	-.0019	.0002	-.0001	-.0011	.0015	-.1	-.3	.4 95:222
S001 1 7612 TIE40465	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
S001 1 7612 R GSFC	-.0003	-.0060	.0056	-.0001	.0002	.0082	-.1	.1	4.1 96: 97
S001 1 7612 R USNO	-.0002	.0026	-.0018	-.0002	.0004	-.0032	-.5	.2	-1.3 95:257
S001 1 7612 R NOAA	.0015	-.0006	-.0060	.0015	-.0048	-.0036	.6	-1.0	-.7 93:313
S001 1 7612 R GIUB	.0010	.0021	-.0006	.0009	.0010	-.0020	.6	.4	-.9 94:320

Velocities

M001 1 NLIB P CODE	.0007	.0001	.0008	.0007	.0007	.0005	1.2	.7	.5
M001 1 NLIB P GFZ	.0021	.0008	-.0025	.0021	-.0013	-.0023	.7	-.3	-.5
M001 1 NLIB P NRCAN	.0006	.0034	-.0015	.0005	.0012	-.0035	.4	.4	-1.2
M001 1 NLIB P JPL	-.0012	.0021	-.0009	-.0013	.0007	-.0022	-1.1	.3	-1.0
S001 1 7612 R GSFC	.0000	-.0005	-.0003	.0000	-.0006	.0002	-.1	-.9	.3
S001 1 7612 R USNO	-.0002	-.0003	.0001	-.0002	-.0001	.0003	-.7	-.1	.4
S001 1 7612 R NOAA	-.0003	-.0120	.0078	.0000	-.0022	.0141	.0	-.3	2.0
S001 1 7612 R GIUB	-.0008	.0000	.0002	-.0008	.0001	.0001	-1.2	.1	.1

40466 KITTT PEAK

Positions

S001 1 7610 R GSFC	.0007	.0017	-.0009	.0000	.0002	-.0021	.0	.1	-1.0 96:124
S001 1 7610 R USNO	-.0005	-.0018	.0019	.0002	.0006	.0026	.1	.3	1.0 96: 58
S001 1 7610 R NOAA	-.0005	-.0028	-.0013	.0006	-.0026	.0017	.2	-.4	.3 94: 43

S001 1 7610 R GIUB	-.0002	-.0025	.0040	.0007	.0022	.0042	.4	.9	1.8	95:155
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Velocities

S001 1 7610 R GSFC	-.0001	.0000	-.0003	.0000	-.0002	-.0001	-.1	-.3	-.1
S001 1 7610 R USNO	-.0003	-.0012	.0009	.0002	.0001	.0015	.5	.2	2.1
S001 1 7610 R NOAA	-.0008	-.0085	.0047	.0023	-.0003	.0094	.6	-.1	1.5
S001 1 7610 R GIUB	-.0012	-.0030	.0029	.0000	.0007	.0043	.0	.5	2.6

40471 HANCOCK

Positions

S001 1 7618 R GSFC	.0009	-.0028	.0027	.0000	.0000	.0039	.0	.0	1.5	96:108
S001 1 7618 R USNO	.0000	-.0027	.0029	-.0008	.0003	.0039	-.6	.1	1.3	96: 15
S001 1 7618 R NOAA	.0016	.0069	-.0161	.0037	-.0076	-.0154	1.1	-1.2	-2.5	94: 11
S001 1 7618 R GIUB	-.0003	-.0014	.0022	-.0007	.0007	.0024	-.4	.3	.8	95:199

Velocities

S001 1 7618 R GSFC	-.0003	.0007	-.0012	.0000	-.0003	-.0014	.0	-.3	-1.3
S001 1 7618 R USNO	-.0001	.0000	-.0001	-.0001	.0000	.0000	-.3	.0	.0
S001 1 7618 R NOAA	-.0026	-.0065	.0061	-.0045	.0008	.0081	-.8	.1	.7
S001 1 7618 R GIUB	-.0009	.0000	.0016	-.0009	.0014	.0009	-.8	.6	.4

40472 COLORADO SPRINGS

Positions

S003 1 AMCT P CODE	.0022	.0014	.0040	.0017	.0043	.0010	.4	.5	.1	98:144
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Velocities

S003 1 AMCT P CODE	.0034	.0009	.0020	.0030	.0027	-.0001	.3	.3	.0
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40473 BREWSTER

Positions

S001 1 7614 R GSFC	-.0007	-.0013	.0021	.0001	.0003	.0025	.0	.1	1.3	95:363
S001 1 7614 R USNO	-.0020	-.0044	.0060	.0004	.0004	.0077	.3	.2	3.5	95:170
S001 1 7614 R NOAA	.0026	-.0008	-.0048	.0026	-.0028	-.0040	.8	-.6	-.9	93:344
S001 1 7614 R GIUB	.0009	-.0004	.0017	.0010	.0012	.0012	.6	.6	.6	95: 55

Velocities

S001 1 7614 R GSFC	.0002	-.0006	.0001	.0004	-.0002	.0004	.9	-.3	.6
S001 1 7614 R USNO	-.0004	-.0006	.0001	.0000	-.0004	.0006	.0	-.6	.8
S001 1 7614 R NOAA	-.0027	-.0016	.0033	-.0016	.0001	.0042	-.3	.0	.6
S001 1 7614 R GIUB	-.0008	-.0007	.0015	-.0003	.0002	.0018	-.4	.2	1.5

40474 LAKE_MATHEWS

Positions

M001 1 MATH P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	96:184
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Velocities

M001 1 MATH P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0
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40477 MAUNA KEA

Positions

M001 1 MKEA TIE40477	.0007	-.0023	.0010	.0024	.0009	.0007	.0	.0	.0	93: 1
M001 1 MKEA P CODE	-.0004	-.0014	.0036	.0011	.0030	.0021	.2	.8	.4	97:250
M001 1 MKEA P NRCAN	-.0003	.0022	.0016	-.0021	.0017	-.0001	-.8	.8	.0	97:319
S001 1 7617 TIE40477	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S001 1 7617 R GSFC	-.0044	-.0036	.0027	.0014	.0006	.0061	.6	.3	1.8	96: 32
S001 1 7617 R USNO	-.0013	-.0016	.0016	.0009	.0009	.0023	.3	.4	.6	95:269
S001 1 7617 R NOAA	-.0020	-.0042	.0042	.0030	.0027	.0048	.5	.4	.9	94: 19
S001 1 7617 R GIUB	.0014	.0003	.0024	.0003	.0028	-.0005	.1	.9	-.2	95:107

Velocities

M001 1 MKEA P CODE	-.0013	-.0042	.0024	.0033	.0012	.0036	.5	.2	.4
M001 1 MKEA P NRCAN	.0072	.0000	-.0008	.0030	.0014	-.0065	.6	.4	-1.0
S001 1 7617 R GSFC	-.0009	-.0016	.0017	.0011	.0011	.0020	.9	.9	1.6
S001 1 7617 R USNO	-.0004	-.0007	.0003	.0004	.0000	.0007	.4	.0	.5
S001 1 7617 R NOAA	-.0086	-.0075	.0009	.0032	-.0028	.0105	.4	-.3	1.0
S001 1 7617 R GIUB	.0001	-.0007	.0003	.0006	.0002	.0003	.3	.1	.1

40478 OATT MOUNTAIN

Positions

S101 1 OAT2 P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 96:333
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Velocities

S101 1 OAT2 P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0
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40479 BLYTHE

Positions

M001 1 BLYT P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 96:364
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Velocities

M001 1 BLYT P JPL	.0000	.0001	.0000	.0000	.0000	-.0001	.0	.0	.0
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40480 BOMMER CANYON

Positions

M001 1 TRAK P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 97: 75
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Velocities

M001 1 TRAK P JPL	.0001	.0001	.0000	.0000	.0000	-.0001	.0	.0	.0
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40481 YUCAIPA

Positions

M001 1 CRFP P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 96:361
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Velocities

M001 1 CRFP P JPL	.0000	.0001	.0000	.0000	.0000	-.0001	.0	.0	.0
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40482 LONG BEACH CITY

Positions

M001 1 LBCH P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 96:121
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Velocities

M001 1 LBCH P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0
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40483 WESTLAKE

Positions

S001 1 AQA1 P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 96:296
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Velocities

S001 1 AQA1 P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0
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40484 CHILAO FLATES

Positions

M001 1 CHIL P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 97: 10
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Velocities

M001 1 CHIL P JPL	.0000	.0000	.0000	.0000	.0000	-.0001	.0	.0	.0
40485 LONGDON YARD									
Positions									
M001 1 LONG P JPL	.0000	.0001	.0000	.0000	.0000	-.0001	.0	.0	.0 97:281
Velocities									
M001 1 LONG P JPL	.0003	.0001	.0000	.0002	.0002	-.0002	.0	.0	.0
40487 LOS ANGELES									
Positions									
M001 1 USC1 P JPL	-.0001	-.0003	-.0001	.0000	-.0003	.0003	.0	-.1	.1 96:315
M002 1 UCLP P JPL	.0001	.0004	.0001	-.0001	.0003	-.0003	.0	.1	-.1 96:334
Velocities									
M001 1 USC1 P JPL	-.0015	-.0022	.0004	-.0003	-.0012	.0024	-.1	-.3	.5
M002 1 UCLP P JPL	.0018	.0025	-.0004	.0004	.0014	-.0028	.1	.3	-.6
40489 HAT CREEK									
Positions									
S001 1 7218 R GSFC	.0006	.0034	.0066	-.0012	.0071	.0019	-.4	1.6	.4 88:320
S001 1 7218 R USNO	.0031	.0050	.0048	.0000	.0074	-.0013	.0	1.5	-.3 88:256
S001 1 7218 R NOAA	.0034	.0008	-.0081	.0025	-.0045	-.0071	.7	-1.0	-1.7 88:366
S001 1 7218 R GIUB	.0023	.0053	-.0043	-.0008	.0005	-.0072	-.1	.1	-.9 88: 68
Velocities									
S001 1 7218 R GSFC	-.0004	.0002	-.0018	-.0004	-.0014	-.0012	-.3	-.8	-.7
S001 1 7218 R USNO	.0008	.0016	-.0010	-.0002	.0004	-.0020	-.1	.2	-.9
S001 1 7218 R NOAA	-.0005	-.0003	.0010	-.0003	.0004	.0011	-.2	.2	.4
S001 1 7218 R GIUB	-.0009	-.0018	.0003	.0002	-.0011	.0017	.1	-.3	.4
40490 MARYLAND POINT									
Positions									
S001 1 7217 R GSFC	-.0027	-.0080	.0084	-.0044	.0021	.0108	-1.0	.2	1.0 88: 63
S001 1 7217 R USNO	-.0022	.0094	-.0030	-.0001	.0037	-.0094	.0	.2	-.6 87:295
S001 1 7217 R NOAA	-.0012	.0219	-.0121	.0037	.0040	-.0244	.3	.2	-.9 88:111
S001 1 7217 R GIUB	-.0048	-.0195	.0096	-.0090	-.0036	.0200	-1.3	-.2	1.2 89:149
Velocities									
S001 1 7217 R GSFC	-.0008	-.0030	.0024	-.0014	.0002	.0036	-.8	.0	.8
S001 1 7217 R USNO	.0000	-.0012	.0000	-.0003	-.0007	.0010	-.1	-.1	.2
S001 1 7217 R NOAA	.0001	.0029	-.0033	.0007	-.0008	-.0043	.2	-.1	-.4
S001 1 7217 R GIUB	-.0011	.0050	.0019	.0000	.0047	-.0028	.0	.7	-.4
40491 FLAGSTAFF									
Positions									
M002 1 7891 L CSR	-.0051	-.0129	-.0088	.0000	-.0152	.0063	.0	-.2	.1 81:190
M003 1 7261 R GSFC	.0019	.0069	.0000	-.0008	.0041	-.0058	-.1	.2	-.2 87:307
M003 1 7261 R USNO	.0006	.0038	.0051	-.0009	.0063	-.0001	.0	.1	.0 88:173
M003 1 7261 R NOAA	-.0006	-.0097	.0024	.0030	-.0034	.0090	.2	-.1	.3 87:259
Velocities									
M002 1 7891 L CSR	.0246	-.0326	.0241	.0348	.0075	.0312	.1	.0	.1
M003 1 7261 R GSFC	-.0021	-.0020	.0010	-.0012	-.0007	.0028	-.1	-.1	.2
M003 1 7261 R USNO	.0007	-.0014	.0032	.0012	.0020	.0027	.2	.2	.2
M003 1 7261 R NOAA	-.0012	.0001	-.0002	-.0011	-.0004	.0001	-.1	.0	.0
40492 VERNAL									

Positions

M001 1 7892 L CSR	-.0066	-.0175	.0208	-.0003	.0038	.0277	.0	.0	.3	81:362
M002 1 7290 R GSFC	.0006	-.0003	.0086	.0007	.0065	.0056	.1	.3	.3	88:229
M002 1 7290 R USNO	.0015	.0117	-.0161	-.0025	-.0047	-.0192	-.1	-.1	-.4	89: 42
M002 1 7290 R NOAA	.0039	.0041	-.0068	.0023	-.0018	-.0083	.2	-.1	-.3	88:181

Velocities

M001 1 7892 L CSR	-.0318	-.0993	-.0320	.0033	-.0918	.0587	.0	-.8	.5	
M002 1 7290 R GSFC	-.0016	-.0018	.0009	-.0009	-.0008	.0023	-.1	.0	.1	
M002 1 7290 R USNO	.0012	.0028	-.0006	.0002	.0015	-.0027	.0	.1	-.2	
M002 1 7290 R NOAA	-.0022	-.0013	.0032	-.0016	.0012	.0036	-.2	.1	.2	

40493 YUMA

Positions

M001 1 7894 R GSFC	.0033	.0091	.0005	-.0008	.0057	-.0078	-.1	.4	-.5	87: 86
M001 1 7894 R USNO	-.0228	-.0497	.0402	-.0004	.0040	.0677	.0	.1	1.5	88:130
M001 1 7894 R NOAA	.0035	-.0004	-.0028	.0034	-.0018	-.0024	.3	-.1	-.1	87: 66
M001 1 7894 L CSR	-.0035	.0535	-.0307	-.0251	.0000	-.0564	-.3	.0	-.6	83:136

Velocities

M001 1 7894 R GSFC	-.0013	-.0020	.0007	-.0004	-.0007	.0024	.0	-.1	.2	
M001 1 7894 R USNO	.0038	.0055	-.0054	.0012	-.0009	-.0085	.1	-.1	-.6	
M001 1 7894 R NOAA	-.0039	-.0056	.0051	-.0012	.0006	.0084	-.1	.0	.5	
M001 1 7894 L CSR	-.0783	.0260	.0394	-.0820	.0285	.0285	-.4	.1	.1	

40496 PLATTEVILLE

Positions

M001 1 7112 TIE40496	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M001 1 7112 L CGS	-.0008	.0084	-.0006	-.0029	.0046	-.0065	-.2	.2	-.3	89:355
M001 1 7112 L DUT	-.0018	.0079	.0142	-.0038	.0155	.0036	-.2	.6	.1	89:227
M001 1 7112 L GSFC	.0105	-.0038	.0111	.0111	.0079	.0079	.9	.6	.6	87: 37
M001 1 7112 C GRIM	.0140	.0005	-.0014	.0135	.0015	-.0040	.8	.1	-.1	90: 49
M001 1 7112 L CSR	.0002	-.0067	.0129	.0019	.0057	.0133	.1	.3	.8	87:241
M002 1 7258 TIE40496	.0002	.0001	.0003	.0001	.0003	.0001	.0	.0	.0	93: 1
M002 1 7258 R GSFC	.0027	.0063	-.0001	.0011	.0043	-.0053	.2	.3	-.4	87:268
M002 1 7258 R USNO	.0013	.0030	-.0040	.0005	-.0010	-.0050	.0	.0	-.2	88: 56
M002 1 7258 R NOAA	.0048	.0069	-.0098	.0029	-.0024	-.0123	.4	-.1	-.7	88: 79

Velocities

M001 1 7112 L CGS	.0031	-.0037	.0022	.0039	-.0001	.0036	.4	.0	.2	
M001 1 7112 L DUT	.0040	-.0005	-.0032	.0040	-.0022	-.0024	.9	-.4	-.5	
M001 1 7112 L GSFC	-.0017	-.0007	.0003	-.0015	-.0004	.0010	-.5	-.1	.3	
M001 1 7112 C GRIM	-.0042	-.0024	.0001	-.0034	-.0021	.0027	-.5	-.3	.3	
M001 1 7112 L CSR	.0009	.0063	-.0053	-.0007	.0001	-.0083	-.2	.0	-1.9	
M002 1 7258 R GSFC	.0012	.0028	-.0010	.0004	.0012	-.0030	.1	.2	-.4	
M002 1 7258 R USNO	.0032	.0041	-.0014	.0020	.0020	-.0045	.5	.3	-.6	
M002 1 7258 R NOAA	.0004	.0003	.0032	.0003	.0027	.0017	.1	.6	.4	

40497 MONUMENT PEAK

Positions

M001 1 7110 TIE40497	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M001 1 7110 L CGS	.0061	.0085	-.0053	.0017	.0012	-.0116	.6	.3	-3.4	93:128
M001 1 7110 L DUT	.0079	-.0053	-.0076	.0095	-.0070	-.0031	.9	-.4	-.2	93: 74
M001 1 7110 L GSFC	-.0006	-.0009	.0053	-.0002	.0038	.0038	.0	1.1	1.1	89:362
M001 1 7110 L1 GZ	-.0015	-.0038	.0005	.0003	-.0019	.0037	.1	-.5	1.2	95:227
M001 1 7110 C GRIM	-.0030	-.0063	-.0037	.0001	-.0069	.0038	.1	-1.9	1.2	93: 60
M001 1 7110 L CSR	.0027	.0029	-.0013	.0011	.0010	-.0039	.3	.3	-1.2	92: 50
M002 1 7220 TIE40497	-.0003	.0002	.0001	-.0004	.0001	.0000	.0	.0	.0	93: 1
M002 1 7220 L CSR	.0231	-.0120	-.0119	.0261	-.0103	-.0061	.7	-.2	-.1	84:296

M003	1	7274	TIE40436	.0007	-.0234	-.0075	.0110	-.0175	.0133	.0	.0	.0	93:	1
M003	1	7274	TIE40497	.0017	.0010	.0054	.0011	.0054	.0015	.0	.0	.0	93:	1
M003	1	7274	R GSFC	.0126	.0241	-.0109	.0006	.0056	-.0287	.1	.5	-2.4	87:	89
M003	1	7274	R USNO	.0171	.0301	-.0150	.0019	.0062	-.0371	.1	.2	-.9	88:	259
M003	1	7274	R NOAA	.0168	.0220	-.0174	.0052	.0002	-.0323	.5	.0	-2.2	87:	204
M003	1	7274	L CSR	.0140	-.0274	-.0194	.0248	-.0262	.0048	.6	-.5	.1	85:	175
M004	1	MONP	P CODE	.0020	.0019	.0038	.0009	.0046	-.0001	.3	1.4	.0	97:	290
M004	1	MONP	P NRCAN	-.0012	.0008	.0025	-.0015	.0022	.0012	-.6	.7	.4	97:	339
M004	1	MONP	P JPL	.0027	.0021	-.0036	.0015	-.0014	-.0045	.4	-.3	-1.0	97:	3

Velocities

M001	1	7110	L CGS	-.0008	-.0007	-.0008	-.0004	-.0012	.0004	-.4	-1.2	.4		
M001	1	7110	L DUT	.0032	-.0015	-.0028	.0036	-.0023	-.0016	1.6	-.9	-.7		
M001	1	7110	L GSFC	.0003	.0007	.0000	.0000	.0004	-.0006	.0	.5	-.8		
M001	1	7110	L1 GZ	-.0017	.0033	-.0024	-.0030	-.0008	-.0032	-1.3	-.4	-1.6		
M001	1	7110	C GRIM	-.0044	-.0009	.0009	-.0036	-.0007	.0029	-2.1	-.6	2.1		
M001	1	7110	L CSR	-.0005	-.0004	.0008	-.0003	.0004	.0010	-.2	.2	.6		
M002	1	7220	L CSR	-.0180	-.0199	.0192	-.0072	.0021	.0321	-.1	.0	.5		
M003	1	7274	R GSFC	.0006	-.0059	.0066	.0032	.0028	.0078	.7	.5	1.3		
M003	1	7274	R USNO	.0023	-.0016	.0041	.0028	.0032	.0026	.5	.5	.3		
M003	1	7274	R NOAA	.0036	-.0022	.0046	.0042	.0037	.0027	.6	.4	.3		
M003	1	7274	L CSR	-.0874	.0084	-.0167	-.0820	-.0310	.0173	-.4	-.1	.1		
M004	1	MONP	P CODE	.0004	.0015	.0015	-.0003	.0021	-.0005	-.1	.4	-.1		
M004	1	MONP	P NRCAN	.0003	.0008	.0024	-.0001	.0025	.0006	.0	.4	.1		
M004	1	MONP	P JPL	-.0032	.0015	.0045	-.0035	.0038	.0025	-.7	.7	.4		

40498 VLA

Positions

S001	1	7619	R GSFC	.2548	.8070	-.5311	-.0014	.0343	-.9985	.0	.1	-3.9	84:	61
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Velocities

S001	1	7619	R GSFC	.0135	.0059	.0144	.0111	.0174	.0000	1.3	2.4	.0		
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40499 RICHMOND

Positions

M002	1	7295	TIE40499	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93:	1
M002	1	7295	L CGS	-.0065	.0010	.0036	-.0063	.0041	-.0003	-.5	.2	.0	93:	260
M002	1	7295	L DUT	.0057	-.0083	.0046	.0043	.0002	.0102	.2	.0	.6	93:	200
M002	1	7295	L GSFC	-.0060	-.0084	.0017	-.0073	-.0017	.0073	-.4	-.1	.5	92:	276
M002	1	7295	L1 GZ	.0013	-.0109	.0032	-.0006	-.0018	.0113	.0	-.1	.4	93:	1
M002	1	7295	C GRIM	-.0014	-.0102	-.0055	-.0030	-.0092	.0065	-.2	-.4	.2	93:	4
M002	1	7295	P CODE	-.0010	.0121	-.0132	.0010	-.0066	-.0166	.1	-.5	-.9	93:	234
M002	1	7295	P GFZ	-.0125	.0060	-.0094	-.0113	-.0050	-.0113	-1.0	-.4	-.6	93:	267
M002	1	7295	L CSR	.0006	-.0045	.0024	-.0002	.0002	.0052	.0	.0	.3	92:	273
M005	1	RCM4	TIE40499	-.0002	.0003	.0011	-.0002	.0012	.0002	.0	.0	.0	93:	1
M005	1	RCM4	P CODE	-.0044	.0042	-.0029	-.0036	-.0005	-.0056	-.2	.0	-.2	94:	37
M005	1	RCM4	P GFZ	-.0140	.0107	-.0078	-.0120	-.0015	-.0150	-.5	-.1	-.4	94:	54
S001	1	7219	TIE40499	.0066	.0031	-.0115	.0070	-.0095	-.0068	.0	.0	.0	93:	1
S001	1	7219	R GSFC	.0004	-.0028	.0008	-.0001	-.0005	.0029	.0	-.2	1.2	90:	255
S001	1	7219	R USNO	.0006	-.0067	.0007	-.0006	-.0022	.0064	-.5	-1.1	2.8	91:	51
S001	1	7219	R NOAA	.0021	.0052	-.0035	.0030	-.0011	-.0059	1.1	-.3	-1.6	89:	284
S001	1	7219	R GIUB	.0005	-.0028	.0002	.0000	-.0010	.0027	.0	-.4	1.0	90:	342
S015	1	RICA	TIE40499	-.0003	.0000	.0000	-.0003	.0000	.0000	.0	.0	.0	93:	1
S015	1	RICA	D IGN	.0548	.0519	.0231	.0627	.0390	-.0279	.3	.4	-.2	95:	84
S016	1	RIDA	TIE40499	-.0008	-.0054	-.0023	-.0017	-.0044	.0037	.0	.0	.0	93:	1
S016	1	RIDA	C GRIM	.0581	.0413	-.0348	.0642	-.0179	-.0430	2.0	-1.0	-2.1	95:	107
S016	1	RIDA	D GRGS	.0305	.0821	.0129	.0438	.0445	-.0628	1.4	2.6	-3.2	95:	190
S016	1	RIDA	D IGN	.0169	.0809	.0283	.0302	.0588	-.0571	.6	2.2	-1.8	96:	365
S016	1	RIDA	D CSR	.0225	-.0109	-.0317	.0203	-.0348	-.0006	.4	-1.2	.0	94:	162
S018	1	RCM5	TIE40499	-.0043	-.0094	.0135	-.0058	.0084	.0135	.0	.0	.0	93:	1
S018	1	RCM5	P CODE	.0001	.0110	-.0038	.0019	.0013	-.0114	.8	.4	-2.6	95:	186

S018	1	RCM5	P	EMR	.0056	.0160	-.0096	.0082	-.0023	-.0176	1.4	-.3	-1.8	95:362
S018	1	RCM5	P	GFZ	-.0139	.0230	-.0115	-.0098	.0004	-.0275	-1.9	.1	-3.7	95:240
S018	1	RCM5	P	NRCAN	-.0023	.0128	-.0065	-.0002	-.0002	-.0145	-.1	-.1	-3.0	96:157
S019	1	7201	R	GSFC	-.0004	.0003	.0009	-.0004	.0010	.0001	-.1	.2	.0	95:339
S019	1	7201	R	USNO	.0010	-.0134	.0071	-.0013	.0006	.0152	-.2	.0	.7	95:365
S019	1	7201	R	GIUB	.0000	.0001	.0010	.0000	.0010	.0004	.0	.1	.0	95:308
S020	1	RCM6	P	CODE	.0021	-.0003	.0038	.0020	.0032	.0022	.9	1.0	.5	97:270
S020	1	RCM6	P	EMR	.0026	.0022	-.0036	.0030	-.0025	-.0031	.6	-.4	-.4	97:138
S020	1	RCM6	P	GFZ	-.0033	.0005	-.0051	-.0032	-.0042	-.0032	-.5	-.5	-.3	97:134
S020	1	RCM6	P	NRCAN	-.0008	.0015	-.0004	-.0005	.0004	-.0016	-.4	.2	-.5	97:313

Velocities

M002	1	7295	L	CGS	-.0004	-.0017	.0011	-.0007	.0003	.0020	-.1	.0	.2	
M002	1	7295	L	DUT	.0055	-.0029	-.0019	.0050	-.0033	.0026	.8	-.4	.5	
M002	1	7295	L	GSFC	.0081	-.0003	.0029	.0079	.0019	.0028	.8	.2	.3	
M002	1	7295	L1	GZ	-.0095	-.0008	.0023	-.0095	.0024	.0002	.0	.0	.0	
M002	1	7295	C	GRIM	-.0024	-.0029	.0008	-.0028	-.0003	.0026	-.5	.0	.4	
M002	1	7295	P	CODE	-.0009	.0008	.0002	-.0008	.0006	-.0007	-.5	.2	-.2	
M002	1	7295	P	GFZ	.0021	-.0018	-.0016	.0018	-.0023	.0012	.5	-.6	.2	
M002	1	7295	L	CSR	.0022	-.0015	.0030	.0019	.0019	.0029	.4	.3	.4	
M005	1	RCM4	P	CODE	-.0009	.0008	.0002	-.0008	.0006	-.0007	-.4	.2	-.2	
M005	1	RCM4	P	GFZ	.0021	-.0018	-.0016	.0018	-.0023	.0012	.5	-.6	.2	
S001	1	7219	R	GSFC	.0004	-.0023	.0012	.0000	.0001	.0027	.2	.1	3.2	
S001	1	7219	R	USNO	.0007	-.0039	.0021	.0000	.0002	.0045	.1	.3	5.0	
S001	1	7219	R	NOAA	-.0002	-.0011	.0001	-.0003	-.0004	.0010	-.6	-.4	.8	
S001	1	7219	R	GIUB	.0005	-.0024	.0019	.0001	.0006	.0030	.2	.7	2.7	
S015	1	RICA	D	IGN	.0216	-.0018	-.0076	.0210	-.0092	.0016	.5	-.5	.1	
S016	1	RIDA	C	GRIM	-.0034	.0014	-.0018	-.0031	-.0007	-.0025	-.3	-.1	-.3	
S016	1	RIDA	D	GRGS	.0002	.0015	-.0019	.0005	-.0011	-.0022	.0	-.1	-.1	
S016	1	RIDA	D	IGN	.0216	-.0018	-.0076	.0210	-.0092	.0016	.5	-.5	.1	
S016	1	RIDA	D	CSR	.0122	.0002	-.0025	.0121	-.0030	.0006	.2	-.1	.0	
S018	1	RCM5	P	CODE	-.0009	.0008	.0002	-.0008	.0006	-.0007	-.4	.2	-.2	
S018	1	RCM5	P	EMR	.0068	-.0057	.0042	.0058	.0009	.0079	.5	.1	.5	
S018	1	RCM5	P	GFZ	.0022	-.0019	-.0016	.0018	-.0024	.0013	.5	-.7	.3	
S018	1	RCM5	P	NRCAN	-.0120	-.0016	.0010	-.0121	.0011	.0000	-1.4	.1	.0	
S019	1	7201	R	GSFC	.0004	-.0023	.0012	.0000	.0001	.0027	.2	.1	3.2	
S019	1	7201	R	USNO	-.0090	.0279	-.0161	-.0042	-.0020	-.0332	-.4	-.1	-1.1	
S019	1	7201	R	GIUB	.0005	-.0024	.0019	.0001	.0006	.0030	.2	.7	2.7	
S020	1	RCM6	P	CODE	-.0009	.0008	.0002	-.0008	.0006	-.0007	-.5	.2	-.2	
S020	1	RCM6	P	EMR	.0041	-.0102	.0033	.0023	-.0017	.0111	.2	-.1	.5	
S020	1	RCM6	P	GFZ	.0022	-.0018	-.0016	.0018	-.0023	.0012	.5	-.6	.2	
S020	1	RCM6	P	NRCAN	-.0006	-.0017	.0009	-.0009	.0001	.0018	-.4	.0	.3	

40503 SOCORRO ISLAND

Positions

S002	1	SOCA	TIE40503	-.0003	.0001	.0001	-.0003	.0001	.0000	.0	.0	.0	93: 1
S002	1	SOCA	D	IGN	.1065	-.0971	.0395	.1342	.0205	.0625	.5	.1	.3 94:138
S003	1	SODA	TIE40503	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S003	1	SODA	C	GRIM	-.0353	-.0079	-.0255	-.0301	-.0305	.0107	-.6	-1.0	.2 96: 21
S003	1	SODA	D	GRGS	.0022	-.0057	.0150	.0041	.0127	.0091	.1	.7	.3 95:286
S003	1	SODA	D	IGN	-.0229	.0102	.0196	-.0251	.0190	.0050	-.4	.7	.1 96:335
S003	1	SODA	D	CSR	-.0456	.0510	.0082	-.0608	.0178	-.0270	-1.1	.5	-.6 94:140

Velocities

S002	1	SOCA	D	IGN	.0302	.0051	-.0004	.0263	.0046	-.0148	.6	.2	-.5
S003	1	SODA	C	GRIM	.0029	-.0039	.0011	.0041	.0002	.0028	.4	.0	.3
S003	1	SODA	D	GRGS	.0018	.0107	.0056	-.0021	.0088	-.0082	-.1	.6	-.3
S003	1	SODA	D	IGN	.0302	.0051	-.0004	.0263	.0046	-.0148	.6	.2	-.5
S003	1	SODA	D	CSR	.0138	-.0280	-.0283	.0229	-.0336	.0110	.5	-1.1	.3

40504 MAZATLAN

Positions

M001 1 7122 L CGS	.0065	.0048	.0001	.0049	.0027	-.0059	.8	.4	-.7	88:318
M001 1 7122 L DUT	.0057	-.0006	-.0055	.0057	-.0047	-.0032	.4	-.2	-.2	90:299
M001 1 7122 L GSFC	.0047	-.0040	-.0034	.0057	-.0041	.0009	.7	-.6	.1	86:140
M001 1 7122 C GRIM	.0112	-.0058	-.0011	.0124	-.0019	.0017	1.2	-.2	.1	89: 51
M001 1 7122 L CSR	-.0006	-.0051	.0040	.0008	.0016	.0063	.1	.3	1.0	90:193

Velocities

M001 1 7122 L CGS	.0006	.0004	.0003	.0005	.0005	-.0003	.2	.2	-.1
M001 1 7122 L DUT	.0038	-.0010	-.0043	.0039	-.0039	-.0018	1.4	-1.2	-.7
M001 1 7122 L GSFC	.0004	.0050	-.0028	-.0010	-.0006	-.0056	-.3	-.2	-1.4
M001 1 7122 C GRIM	-.0054	-.0024	.0003	-.0045	-.0012	.0037	-1.3	-.4	.9
M001 1 7122 L CSR	-.0002	-.0013	.0016	.0002	.0010	.0019	.1	.4	.9

40505 CABO SAN LUCAS

Positions

M001 1 7882 L CGS	.0172	.0068	-.0037	.0139	.0013	-.0127	.8	.1	-.5	93:110
M001 1 7882 L DUT	.0135	.0002	-.0130	.0126	-.0101	-.0094	.6	-.4	-.5	93:170
M001 1 7882 L GSFC	.0078	-.0165	.0045	.0130	-.0009	.0136	.6	.0	.7	91:275
M001 1 7882 L1 GZ	-.0003	-.0089	.0003	.0028	-.0030	.0080	.1	-.2	.4	93: 1
M001 1 7882 C GRIM	-.0037	-.0160	.0013	.0020	-.0052	.0155	.1	-.3	.6	91:278
M001 1 7882 L CSR	-.0052	-.0078	.0063	-.0023	.0022	.0108	-.2	.1	.5	91:260

Velocities

M001 1 7882 L CGS	-.0047	-.0012	-.0034	-.0040	-.0042	.0012	-.3	-.3	.1
M001 1 7882 L DUT	.0024	-.0015	-.0047	.0028	-.0046	-.0013	.2	-.4	-.1
M001 1 7882 L GSFC	.0054	.0067	-.0023	.0028	.0011	-.0084	.3	.1	-.8
M001 1 7882 L1 GZ	-.0412	.0310	.0099	-.0493	.0150	-.0101	.0	.0	.0
M001 1 7882 C GRIM	.0006	.0063	-.0010	-.0016	.0015	-.0060	-.3	.3	-.9
M001 1 7882 L CSR	.0014	.0063	-.0009	-.0009	.0016	-.0062	-.2	.3	-.8

40506 ENSENADA

Positions

M001 1 7883 L CGS	.0066	.0107	-.0007	.0013	.0059	-.0111	.1	.3	-.5	93:118
M001 1 7883 L DUT	.0054	-.0005	-.0054	.0050	-.0036	-.0045	.3	-.2	-.2	92:224
M001 1 7883 L GSFC	-.0037	.0044	.0017	-.0052	.0027	-.0011	-.2	.2	-.1	92: 12
M001 1 7883 L1 GZ	.0085	-.0064	.0055	.0105	.0036	.0046	.3	.1	.1	93: 1
M001 1 7883 C GRIM	-.0045	-.0113	.0022	.0010	-.0044	.0115	.1	-.2	.6	93: 15
M001 1 7883 L CSR	.0000	-.0077	.0017	.0034	-.0021	.0068	.2	-.1	.4	92:289

Velocities

M001 1 7883 L CGS	.0021	.0057	.0044	-.0006	.0069	-.0029	.0	.3	-.1
M001 1 7883 L DUT	.0056	.0015	-.0017	.0044	.0005	-.0041	.5	.1	-.5
M001 1 7883 L GSFC	.0045	.0006	-.0028	.0037	-.0011	-.0036	.3	-.1	-.4
M001 1 7883 L1 GZ	-.0260	.0323	.0144	-.0376	.0214	-.0075	.0	.0	.0
M001 1 7883 C GRIM	.0009	.0057	-.0002	-.0017	.0027	-.0049	-.2	.4	-.7
M001 1 7883 L CSR	.0085	.0018	-.0009	.0069	.0020	-.0051	.6	.2	-.4

40508 CICESE

Positions

M001 1 CICE P NRCAN	-.0015	.0003	.0012	-.0014	.0008	.0010	-.1	.0	.0	97: 59
M001 1 CICE P JPL	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	96:334

Velocities

M001 1 CICE P NRCAN	.0019	-.0006	.0013	.0020	.0012	.0005	.1	.1	.0
M001 1 CICE P JPL	-.0001	.0001	.0000	-.0001	.0000	.0000	.0	.0	.0

40601 MOIN/COSTA-RICA

Positions

M001 1 MOIN P CODE	.0018	-.0017	.0031	.0016	.0027	.0025	.5	.7	.2	97:235
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Velocities

M001 1 MOIN P CODE	-.0045	.0356	-.0058	-.0001	.0006	-.0363	.0	.1	-1.3
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40701 SANTIAGO DE CUBA

Positions

S001 1 1953 L CGS	.0054	.0090	.0067	.0075	.0088	-.0047	.5	.4	-.1	93: 6
S001 1 1953 L DUT	.0606	.0742	.0200	.0770	.0383	-.0467	1.4	.7	-1.0	93:184
S001 1 1953 L1 GZ	.0773	.0675	.0008	.0915	.0166	-.0434	.5	.1	-.3	93: 1
S001 1 1953 L CSR	-.0157	-.0946	.0286	-.0384	-.0032	.0923	-.3	.0	.3	92:177

Velocities

S001 1 1953 L CGS	-.0034	.0192	-.0055	.0014	.0014	-.0201	.2	.2	-1.6
S001 1 1953 L DUT	-.0017	-.0198	.0221	-.0065	.0143	.0252	-.3	.6	1.3
S001 1 1953 L1 GZ	-.0118	-.0260	.0134	-.0179	.0049	.0255	.0	.0	.0
S001 1 1953 L CSR	.0030	-.0072	.0097	.0012	.0065	.0106	.0	.1	.1

41507 RIO GRANDE

Positions

M004 1 RIOG TIE41507	.0020	-.0017	.0018	.0012	.0029	-.0001	.0	.0	.0	93: 1
M004 1 RIOG P GFZ	.0026	.0051	-.0047	.0043	-.0058	.0016	.4	-.4	.1	97:297
S003 1 RIOA TIE41507	-.0006	.0011	-.0011	-.0002	-.0017	.0002	.0	.0	.0	93: 1
S003 1 RIOA C GRIM	.0246	.0124	.0199	.0274	.0100	-.0173	.9	.3	-.6	94: 9
S003 1 RIOA D GRGS	.0171	-.0205	.0078	.0081	.0251	.0087	.3	1.1	.4	94: 52
S003 1 RIOA D IGN	-.0122	-.0188	.0053	-.0184	.0134	.0033	-.2	.2	.1	95:202
S003 1 RIOA D CSR	-.0108	-.0315	.0041	-.0219	.0227	.0115	-.8	.9	.5	93:343
S004 1 RIOB TIE41507	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S004 1 RIOB C GRIM	.0159	.0071	-.0004	.0174	-.0006	.0000	.9	.0	.0	96: 21
S004 1 RIOB D GRGS	.0174	-.0129	-.0039	.0113	.0126	.0140	.5	.6	.7	96:147
S004 1 RIOB D IGN	.0274	-.0147	-.0206	.0198	.0072	.0308	.5	.2	.8	97: 29

Velocities

M004 1 RIOG P GFZ	.0007	-.0011	.0011	.0002	.0017	-.0002	.2	1.4	-.1
S003 1 RIOA C GRIM	.0075	.0001	-.0114	.0069	-.0045	.0108	.7	-.5	1.1
S003 1 RIOA D GRGS	-.0072	.0047	.0051	-.0049	-.0027	-.0083	-.2	-.1	-.4
S003 1 RIOA D IGN	.0244	.0092	-.0073	.0260	-.0037	.0063	.7	-.1	.2
S003 1 RIOA D CSR	.0004	-.0135	-.0129	-.0048	.0025	.0179	-.1	.1	.5
S004 1 RIOB C GRIM	.0061	-.0005	-.0101	.0054	-.0037	.0098	.6	-.4	1.1
S004 1 RIOB D GRGS	-.0073	.0047	.0051	-.0049	-.0027	-.0083	-.2	-.1	-.4
S004 1 RIOB D IGN	.0244	.0092	-.0073	.0260	-.0037	.0063	.7	-.1	.2

41510 LA PLATA

Positions

M001 1 LFGS P CODE	-.0003	-.0008	-.0005	-.0007	-.0001	.0007	-.1	.0	.1	97: 71
M001 1 LFGS P GFZ	.0022	-.0011	-.0004	.0013	.0009	.0019	.2	.1	.2	96:267
M001 1 LFGS P NRCAN	.0010	.0014	-.0018	.0016	-.0019	.0004	.5	-.7	.1	97:218

Velocities

M001 1 LFGS P CODE	.0002	.0005	.0002	.0004	.0000	-.0004	.1	.0	-.1
M001 1 LFGS P GFZ	.0073	.0125	.0015	.0128	-.0026	-.0063	1.5	-.3	-.7
M001 1 LFGS P NRCAN	-.0003	.0026	-.0013	.0011	-.0024	-.0012	.3	-.7	-.3

41602 FORTALEZA

Positions

M001 1 FORT TIE41602	-.0055	.0044	-.0016	.0000	-.0021	-.0069	.0	.0	.0	93: 1
M001 1 FORT P CODE	.0092	-.0100	-.0003	-.0021	.0006	.0134	-.5	.3	3.0	96:243
M001 1 FORT P EMR	.0116	.0019	-.0019	.0087	-.0014	.0080	1.1	-.4	1.0	97: 79
M001 1 FORT P GFZ	.0163	-.0148	-.0018	-.0015	-.0003	.0220	-.2	-.1	2.9	96:102

M001 1 FORT P NRCAN	.0015	.0004	-.0011	.0012	-.0010	.0010	.4	-1.0	.3	97:177
M001 1 FORT P JPL	-.0061	.0028	.0026	-.0016	.0022	-.0067	-.3	1.6	-1.4	95:263
S001 1 7297 TIE41602	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S001 1 7297 R GSFC	-.0081	.0052	-.0004	-.0010	-.0010	-.0095	-.3	-.8	-2.3	95:294
S001 1 7297 R USNO	-.0031	.0019	-.0035	-.0004	-.0037	-.0034	-.1	-2.7	-.8	95:251
S001 1 7297 R NOAA	.0030	.0098	.0048	.0096	.0046	-.0041	1.2	.8	-.6	94: 57
S001 1 7297 R GIUB	-.0038	.0028	-.0015	-.0001	-.0018	-.0046	-.1	-.7	-1.7	95:116

Velocities

M001 1 FORT P CODE	-.0021	-.0007	.0013	-.0019	.0012	-.0012	-1.7	1.6	-1.1
M001 1 FORT P EMR	-.0025	-.0003	-.0002	-.0018	-.0003	-.0018	-.4	-.2	-.4
M001 1 FORT P GFZ	.0029	.0043	-.0012	.0052	-.0012	-.0003	1.5	-.6	-.1
M001 1 FORT P NRCAN	-.0038	.0050	-.0005	.0016	-.0009	-.0060	.4	-.7	-1.6
M001 1 FORT P JPL	.0008	.0027	-.0020	.0026	-.0020	-.0009	.7	-1.9	-.2
S001 1 7297 R GSFC	-.0009	.0006	-.0002	-.0001	-.0003	-.0011	-.1	-.4	-.7
S001 1 7297 R USNO	-.0003	-.0003	-.0001	-.0004	-.0001	.0000	-.3	-.2	.0
S001 1 7297 R NOAA	-.0037	.0006	.0023	-.0018	.0021	-.0034	-.3	.5	-.5
S001 1 7297 R GIUB	-.0001	-.0003	.0011	-.0004	.0011	.0000	-.2	.9	.0

41604 NATAL

Positions

S001 1 7929 L CSR	.0174	.0019	.0355	.0116	.0367	.0094	.1	.4	.1	79: 65
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Velocities

S001 1 7929 L CSR	.0005	.0048	-.0057	.0042	-.0059	-.0018	.1	-.1	.0
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41606 BRASILIA

Positions

M001 1 BRAZ P CODE	-.0011	-.0022	-.0001	-.0023	.0001	.0009	-.4	.0	.2	96:273
M001 1 BRAZ P GFZ	.0036	-.0009	-.0012	.0020	-.0003	.0033	.2	.0	.3	96:261
M001 1 BRAZ P NRCAN	.0008	.0000	-.0013	.0006	-.0011	.0009	.1	-.4	.2	97:146

Velocities

M001 1 BRAZ P CODE	.0000	-.0004	.0008	-.0002	.0008	.0001	-.2	.8	.0
M001 1 BRAZ P GFZ	.0044	.0059	-.0017	.0073	-.0020	-.0009	1.5	-.7	-.2
M001 1 BRAZ P NRCAN	-.0084	.0083	-.0001	-.0006	-.0033	-.0113	-.1	-.5	-1.0

41609 CACHOEIRA PAULIS

Positions

S001 1 CACB C GRIM	-.0665	-.0567	-.0129	-.0871	-.0145	-.0014	-1.8	-.4	.0	95:181
S001 1 CACB D GRGS	.0338	.0240	.0217	.0408	.0227	-.0019	1.3	1.1	-.1	95:206
S001 1 CACB D IGN	-.0080	-.0387	-.0079	-.0330	.0011	.0230	-.7	.0	.5	96:340
S001 1 CACB D CSR	-.0359	-.0398	-.0290	-.0535	-.0257	.0138	-1.1	-.7	.3	94:155

Velocities

S001 1 CACB C GRIM	.0049	-.0011	-.0016	.0027	.0002	.0045	.3	.0	.5
S001 1 CACB D GRGS	-.0084	-.0111	-.0002	-.0138	.0006	.0018	-.6	.0	.1
S001 1 CACB D IGN	.0159	-.0170	.0042	-.0008	.0129	.0198	.0	.6	.5
S001 1 CACB D CSR	-.0404	-.0041	-.0113	-.0315	-.0203	-.0193	-.6	-.5	-.4

41703 EASTER ISLAND

Positions

M002 1 7097 TIE41703	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M002 1 7097 L CGS	.0012	-.0231	-.0059	.0088	.0045	.0217	.7	.3	1.2	92:178
M002 1 7097 L DUT	.0163	-.0086	-.0110	.0182	-.0086	.0075	1.1	-.4	.5	92: 63
M002 1 7097 L GSFC	-.0022	.0065	-.0022	-.0042	-.0045	-.0038	-.3	-.4	-.3	88:145
M002 1 7097 C GRIM	.0065	.0119	-.0106	.0021	-.0156	-.0071	.1	-.9	-.4	93: 1
M002 1 7097 L CSR	-.0024	-.0098	-.0039	.0010	.0011	.0107	.1	.1	.7	91:143
M003 1 EISL TIE41703	.0004	.0014	-.0014	-.0001	-.0019	-.0007	.0	.0	.0	93: 1

M003	1	EISL P CODE	-.0016	-.0104	-.0077	.0020	-.0021	.0127	.3	-.4	1.9	96:197
M003	1	EISL P GFZ	-.0084	-.0265	-.0086	.0008	.0050	.0286	.1	.7	3.1	96: 81
M003	1	EISL P NRCAN	.0013	.0049	.0011	-.0004	-.0013	-.0050	-.1	-.5	-1.3	97:281
M003	1	EISL P JPL	-.0004	.0066	.0052	-.0026	.0018	-.0078	-.6	.4	-1.3	96: 48
S008	1	EASA TIE41703	-.0018	-.0021	-.0001	-.0010	.0012	.0024	.0	.0	.0	93: 1
S008	1	EASA C GRIM	-.0026	.0290	.0005	-.0121	-.0116	-.0238	-.7	-1.0	-1.9	94:250
S008	1	EASA D GRGS	.0531	-.0177	.0015	.0560	.0010	-.0015	2.2	.1	-.1	95:151
S008	1	EASA D IGN	.0369	-.0044	-.0126	.0363	-.0149	-.0014	.8	-.5	.0	97: 64
S008	1	EASA D CSR	.0159	-.0011	.0010	.0154	-.0010	-.0043	.4	.0	-.2	94:106

Velocities

M002	1	7097 L CGS	-.0007	-.0020	.0017	.0000	.0025	.0011	.0	.3	.1
M002	1	7097 L DUT	-.0062	.0014	-.0018	-.0063	-.0012	.0015	-1.6	-.3	.4
M002	1	7097 L GSFC	-.0020	-.0020	-.0025	-.0013	-.0011	.0035	-.3	-.2	.8
M002	1	7097 C GRIM	.0614	-.0209	-.0081	.0649	-.0076	.0031	.1	.0	.0
M002	1	7097 L CSR	.0025	.0038	.0033	.0011	.0009	-.0055	.2	.2	-.8
M003	1	EISL P CODE	-.0016	.0111	.0075	-.0052	.0021	-.0123	-1.2	.6	-2.4
M003	1	EISL P GFZ	.0084	.0027	-.0089	.0070	-.0104	-.0007	1.0	-1.5	-.1
M003	1	EISL P NRCAN	-.0004	-.0004	-.0004	-.0002	-.0001	.0007	-.1	.0	.1
M003	1	EISL P JPL	.0047	.0013	-.0004	.0040	-.0016	-.0023	1.0	-.4	-.4
S008	1	EASA C GRIM	-.0022	.0028	-.0014	-.0030	-.0021	-.0010	-.6	-.5	-.2
S008	1	EASA D GRGS	-.0035	.0156	.0042	-.0085	-.0025	-.0140	-.5	-.2	-1.1
S008	1	EASA D IGN	.0105	-.0002	-.0125	.0100	-.0126	.0028	.2	-.7	.1
S008	1	EASA D CSR	-.0149	.0025	-.0089	-.0149	-.0067	.0063	-.4	-.3	.2

41705-00000000

M004 1 7404 L CSR	.0128	.0037	.0105	.0133	.0091	-.0051	.1	.0	.0
S006 1 1404 R GSFC	-.0021	-.0001	-.0016	-.0020	-.0017	.0004	-.8	-.6	.1
S006 1 1404 R USNO	-.0015	-.0011	-.0018	-.0018	-.0012	.0015	-.8	-.4	.5
S006 1 1404 R NOAA	-.0015	.0046	-.0048	.0001	-.0067	-.0014	.0	-.8	-.1
S006 1 1404 R GIUB	.0003	-.0035	-.0030	-.0009	-.0006	.0045	-.4	-.3	1.8
S007 1 SANA C GRIM	-.0029	-.0009	.0159	-.0030	.0132	-.0089	.0	.0	.0
S007 1 SANA D GRGS	.0079	.0080	-.0088	.0101	-.0101	.0007	.2	-.3	.0
S007 1 SANA D IGN	.0029	-.0028	-.0001	.0018	.0019	.0031	.0	.1	.1
S007 1 SANA D CSR	-.0245	.0074	-.0177	-.0206	-.0231	-.0029	-.4	-.7	-.1
S008 1 SAOB D IGN	.0028	-.0029	-.0002	.0017	.0018	.0032	.0	.1	.1

41706 CERRO TOLOLO

Positions

M001 1 7401 L CGS	.0198	-.0967	-.0078	-.0131	.0424	.0885	-.2	.5	.9 93: 1
M001 1 7401 L DUT	.0232	-.0180	.0103	.0160	.0212	.0161	.8	.9	.8 90:256
M001 1 7401 C GRIM	.0070	.0192	-.0032	.0130	-.0107	-.0120	.9	-.6	-.6 90:275
M001 1 7401 L CSR	.0037	.0044	.0072	.0049	.0047	-.0062	.5	.3	-.4 90: 90

Velocities

M001 1 7401 L CGS	.0269	-.0076	.0113	.0229	.0179	.0082	.0	.0	.0
M001 1 7401 L DUT	.0049	-.0133	-.0148	.0002	-.0057	.0196	.0	-.4	1.5
M001 1 7401 C GRIM	.0016	-.0019	-.0024	.0009	-.0009	.0032	.1	-.1	.3
M001 1 7401 L CSR	.0028	.0034	.0035	.0037	.0018	-.0037	.7	.3	-.5

41708 IQUIQUE

Positions

S001 1 IQUB C GRIM	-.1083	-.0661	-.0358	-.1244	-.0250	.0357	-1.1	-.5	.5 95:242
S001 1 IQUB D GRGS	-.0604	-.0384	-.0009	-.0699	.0044	.0147	-1.1	.1	.3 95:216
S001 1 IQUB D IGN	-.0492	-.1057	-.0347	-.0825	-.0041	.0893	-.4	.0	.5 97:292

Velocities

S001 1 IQUB C GRIM	.0087	-.0074	.0014	.0057	.0048	.0088	.6	.5	.9
S001 1 IQUB D GRGS	-.0232	-.0084	-.0018	-.0247	-.0017	.0005	-.5	-.1	.0
S001 1 IQUB D IGN	-.1823	-.0792	.0891	-.1984	.0876	-.0198	-.2	.2	.0

41709 SEST

Positions

S001 1 7239 R GSFC	.0109	-.0472	-.0180	-.0053	.0078	.0509	-.2	.2	1.0 90:137
S001 1 7239 R USNO	-.0084	-.0092	-.0060	-.0110	-.0023	.0081	-.2	.0	.1 97: 1
S001 1 7239 R NOAA	.0025	-.0100	-.0051	-.0010	.0006	.0115	.0	.0	.2 93: 1

Velocities

S001 1 7239 R GSFC	-.0033	-.0020	.0015	-.0038	.0017	.0000	-.4	.2	.0
S001 1 7239 R USNO	-.0007	.0007	-.0016	-.0005	-.0018	.0000	.0	.0	.0
S001 1 7239 R NOAA	-.0017	-.0042	.0025	-.0030	.0038	.0017	.0	.0	.0

41710 CARIQUIMA

Positions

S001 1 CARB C GRIM	-.0500	-.1034	-.0553	-.0841	-.0261	.0921	-.5	-.3	.8 95:301
S001 1 CARB D GRGS	-.0221	-.0648	-.0169	-.0442	.0016	.0550	-.6	.0	1.0 95:202

Velocities

S001 1 CARB C GRIM	.0071	-.0085	.0015	.0035	.0049	.0094	.4	.5	.9
S001 1 CARB D GRGS	-.0072	-.0103	-.0031	-.0105	-.0006	.0076	-.2	.0	.2

41901 BOGOTA

Positions

M001 1 BOGT P CODE	.0036	-.0090	.0035	.0010	.0027	.0100	.2	1.0	1.0 96:277
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M001 1 BOGT P GFZ	-.0068	.0100	-.0029	-.0038	-.0019	-.0116	-.5	-.4	-.9	96: 98
M001 1 BOGT P JPL	-.0058	-.0075	.0007	-.0077	.0003	.0057	-.7	.1	.3	97: 17

Velocities

M001 1 BOGT P CODE	.0078	-.0250	.0044	.0007	.0023	.0265	.2	1.4	3.2
M001 1 BOGT P GFZ	.0028	.0003	-.0072	.0028	-.0072	-.0001	.4	-2.9	.0
M001 1 BOGT P JPL	.0118	-.0186	.0012	.0063	-.0006	.0212	.5	-.1	1.1

42004 SAN CRISTOBAL

Positions

S001 1 GALA C GRIM	-.0573	-.0444	-.0325	-.0576	-.0318	.0445	-.7	-.9	.9	95:298
S001 1 GALA D GRGS	.0090	-.0134	.0117	.0089	.0120	.0133	.2	.6	.5	95:209
S001 1 GALA D IGN	-.0158	.0191	.0187	-.0157	.0184	-.0195	-.2	.6	-.5	96:352
S001 1 GALA D CSR	-.0374	-.0124	-.0337	-.0375	-.0335	.0127	-.6	-.9	.3	94: 10

Velocities

S001 1 GALA C GRIM	.0034	-.0027	.0028	.0034	.0028	.0027	.3	.3	.3
S001 1 GALA D GRGS	.0047	-.0133	-.0007	.0046	-.0005	.0133	.2	.0	.8
S001 1 GALA D IGN	.0205	-.0002	-.0074	.0205	-.0074	.0004	.4	-.4	.0
S001 1 GALA D CSR	-.0004	.0067	.0224	-.0003	.0223	-.0071	.0	.4	-.1

42005 SANTA CRUZ

Positions

M001 1 GALA P CODE	-.0003	-.0103	.0030	-.0003	.0031	.0103	-.1	.8	.5	98: 31
M001 1 GALA P NRCAN	.0002	.0048	-.0008	.0001	-.0009	-.0047	.0	-.4	-.5	98:106

Velocities

M001 1 GALA P CODE	.0064	.0072	.0072	.0063	.0071	-.0073	.2	.4	-.6
M001 1 GALA P NRCAN	.0032	.0007	.0015	.0032	.0015	-.0007	.3	.2	.0

42202 AREQUIPA

Positions

M003 1 7403 TIE42202	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M003 1 7403 L CGS	.0066	.0011	.0038	.0066	.0040	-.0001	1.4	.9	.0	94:196
M003 1 7403 L DUT	.0116	-.0029	.0005	.0101	.0023	.0060	.8	.1	.5	93:300
M003 1 7403 L GSFC	-.0065	-.0009	-.0074	-.0064	-.0074	.0010	-1.2	-1.6	.3	88:344
M003 1 7403 L1 GZ	-.0014	.0025	.0070	-.0006	.0059	-.0047	-.1	1.3	-1.2	95:147
M003 1 7403 C GRIM	.0056	-.0066	-.0079	.0032	-.0053	.0100	.6	-1.0	1.3	93: 1
M003 1 7403 L CSR	.0042	-.0002	.0049	.0039	.0051	.0001	.7	1.0	.0	93:119
M004 1 AREQ TIE42202	-.0001	.0001	-.0006	-.0001	-.0006	.0001	.0	.0	.0	93: 1
M004 1 AREQ P CODE	.0080	-.0116	-.0019	.0039	.0020	.0135	.1	.1	.3	94:303
M005 1 AREQ TIE42202	-.0010	.0013	-.0032	-.0005	-.0035	-.0006	.0	.0	.0	93: 1
M005 1 AREQ P CODE	.0020	-.0069	-.0022	-.0003	-.0001	.0076	-.1	.0	1.4	96:318
M005 1 AREQ P EMR	-.0023	-.0032	.0023	-.0032	.0029	.0015	-.6	.7	.2	97: 9
M005 1 AREQ P GFZ	.0048	-.0147	-.0033	-.0001	.0012	.0158	.0	.2	2.0	96:124
M005 1 AREQ P NRCAN	.0007	.0032	-.0015	.0017	-.0022	-.0023	.7	-1.4	-.7	97:205
M005 1 AREQ P JPL	-.0078	.0084	.0064	-.0048	.0032	-.0118	-1.3	1.2	-2.2	96: 40
S001 1 7907 TIE42202	.0016	-.0018	.0085	.0009	.0088	-.0003	.0	.0	.0	93: 1
S001 1 7907 L CGS	-.0001	-.0005	-.0081	-.0003	-.0076	.0027	.0	-1.3	.3	88:192
S001 1 7907 C GRIM	-.0057	-.0054	-.0118	-.0071	-.0104	.0065	-.6	-.8	.4	93: 1
S001 1 7907 L CSR	.0054	.0018	-.0125	.0057	-.0120	.0036	.4	-.8	.2	86:147
S005 1 AREA TIE42202	-.0003	-.0008	-.0022	-.0005	-.0019	.0013	.0	.0	.0	93: 1
S005 1 AREA C GRIM	.0004	-.0109	-.0028	-.0031	.0003	.0108	-.1	.0	.5	94:157
S005 1 AREA D GRGS	.0503	.0372	.0536	.0595	.0459	-.0337	1.1	1.7	-.9	95:336
S005 1 AREA D IGN	-.0060	.0677	.0615	.0158	.0402	-.0809	.2	1.1	-1.6	96:333
S005 1 AREA D CSR	.0053	.0377	.0244	.0170	.0137	-.0396	.2	.4	-1.0	94:258

Velocities

M003 1 7403 L CGS	-.0007	.0001	.0000	-.0006	-.0001	-.0003	-.3	.0	-.1
M003 1 7403 L DUT	.0005	.0069	-.0073	.0027	-.0088	-.0041	.8	-2.3	-1.4

M003 1 7403 L GSFC	-.0008	-.0016	.0011	-.0012	.0014	.0009	-1.0	1.4	1.1
M003 1 7403 LI GZ	-.0026	.0038	.0004	-.0012	-.0009	-.0044	-.3	-.3	-1.6
M003 1 7403 C GRIM	.0091	-.0031	.0122	.0077	.0133	.0021	.0	.0	.0
M003 1 7403 L CSR	.0006	-.0009	-.0004	.0003	.0000	.0011	.1	.0	.5
M004 1 AREQ P CODE	.0003	.0042	.0016	.0016	.0005	-.0042	.7	.2	-1.0
M005 1 AREQ P CODE	.0003	.0042	.0016	.0016	.0005	-.0042	.7	.2	-1.0
M005 1 AREQ P EMR	.0026	-.0021	-.0002	.0018	.0006	.0027	1.0	.4	1.3
M005 1 AREQ P GFZ	.0106	.0100	-.0032	.0133	-.0048	-.0049	2.6	-1.4	-.7
M005 1 AREQ P NRCAN	.0015	.0036	-.0018	.0026	-.0026	-.0024	.9	-1.3	-.6
M005 1 AREQ P JPL	.0018	.0027	-.0029	.0025	-.0033	-.0011	.8	-1.5	-.2
S001 1 7907 L CGS	.0026	.0049	.0026	.0041	.0014	-.0044	1.3	.4	-.8
S001 1 7907 C GRIM	.0091	-.0031	.0122	.0077	.0133	.0021	.0	.0	.0
S001 1 7907 L CSR	-.0072	.0079	-.0007	-.0043	-.0034	-.0092	-1.2	-1.0	-2.1
S005 1 AREA C GRIM	-.0033	-.0067	-.0020	-.0052	-.0004	.0057	-1.9	-.2	1.9
S005 1 AREA D GRGS	-.0010	.0079	-.0002	.0016	-.0024	-.0074	.0	-.1	-.3
S005 1 AREA D IGN	.0062	.0003	-.0024	.0060	-.0019	.0023	.1	-.1	.1
S005 1 AREA D CSR	-.0242	.0111	-.0013	-.0195	-.0064	-.0171	-.2	-.1	-.3

42501 BERMUDA

Positions

M001 1 7067 L CSR	-.0087	.0473	.0080	.0124	.0316	-.0350	.1	.1	-.1 78:222
M002 1 7294 R GSFC	-.0038	.0048	-.0014	-.0014	.0020	-.0057	-.1	.1	-.2 87:219
M002 1 7294 R USNO	.0020	-.0049	-.0082	-.0003	-.0098	.0001	.0	-.1	.0 97: 1
M002 1 7294 R NOAA	.0003	.0162	-.0011	.0072	.0068	-.0129	.2	.1	-.2 93: 1
S004 1 BRMU P CODE	.0005	.0026	.0008	.0016	.0018	-.0014	.7	.7	-.5 96:183
S004 1 BRMU P GFZ	-.0074	-.0039	-.0003	-.0083	-.0004	.0001	-1.7	-.1	.0 96:185
S004 1 BRMU P NRCAN	.0005	.0003	.0003	.0006	.0003	.0001	.3	.2	.1 97:183
S004 1 BRMU P JPL	-.0018	-.0010	.0003	-.0021	.0002	.0003	-.7	.1	.1 95:196

Velocities

M001 1 7067 L CSR	.0063	.0015	-.0118	.0064	-.0107	-.0051	.0	.0	.0
M002 1 7294 R GSFC	.0003	.0001	.0000	.0003	.0000	.0000	.0	.0	.0
M002 1 7294 R USNO	.0004	.0003	-.0014	.0005	-.0012	-.0009	.0	.0	.0
M002 1 7294 R NOAA	.0012	-.0004	.0010	.0009	.0003	.0013	.0	.0	.0
S004 1 BRMU P CODE	.0002	.0009	-.0002	.0006	.0002	-.0007	.7	.3	-.9
S004 1 BRMU P GFZ	.0041	.0014	-.0024	.0043	-.0023	-.0008	1.3	-.9	-.3
S004 1 BRMU P NRCAN	.0000	.0001	.0000	.0000	.0000	-.0001	.0	.0	.0
S004 1 BRMU P JPL	.0004	-.0010	.0006	.0000	-.0001	.0012	.0	.0	.5

43001 THULE

Positions

M001 1 THUL P CODE	.0019	.0012	.0038	.0022	.0013	.0036	1.1	.6	.7 97: 29
M001 1 THUL P GFZ	-.0098	-.0060	.0081	-.0113	-.0001	.0083	-3.6	.0	.9 96:280
M001 1 THUL P NRCAN	-.0006	.0008	-.0012	-.0003	.0007	-.0014	-.3	.5	-.4 97:223
M001 1 THUL P EUR	.0015	-.0006	.0062	.0012	.0004	.0063	.6	.1	.7 97:206

Velocities

M001 1 THUL P CODE	.0011	-.0014	.0004	.0005	-.0016	.0008	.6	-1.8	.6
M001 1 THUL P GFZ	-.0005	.0042	-.0066	.0011	.0025	-.0074	.4	.5	-.6
M001 1 THUL P NRCAN	-.0013	.0022	-.0073	-.0004	.0007	-.0077	-.3	.4	-1.8
M001 1 THUL P EUR	-.0005	.0009	.0009	-.0001	.0012	.0006	-.1	.8	.3

43005 KELLYVILLE

Positions

M001 1 KELY P CODE	.0037	-.0029	.0081	.0011	-.0010	.0093	.2	-.2	.8 98:108
M001 1 KELY P NRCAN	-.0015	.0004	-.0017	-.0009	.0004	-.0021	-.5	.2	-.6 97:247
M001 1 KELY P EUR	.0037	-.0019	.0101	.0016	.0004	.0107	.6	.1	1.5 97:246

Velocities

M001 1 KELY P CODE	-.0055	-.0053	-.0010	-.0077	-.0010	-.0007	-.3	.0	.0
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M001 1 KELY P NRCAN	-.0006	-.0001	-.0010	-.0005	-.0001	-.0010	-.2	.0	-.2
M001 1 KELY P EUR	-.0005	.0024	-.0019	.0011	.0012	-.0026	.2	.2	-.2

43201 SAINTE CROIX

Positions

M001 1 CRO1 TIE43201	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M001 1 CRO1 P CODE	.0010	.0016	.0019	.0016	.0021	-.0004	.4	.6	-.1 97:162
M001 1 CRO1 P JPL	.0044	-.0081	.0040	.0005	.0010	.0100	.1	.3	1.3 96:285
S001 1 7615 TIE43201	-.0024	.0008	.0074	-.0018	.0076	.0005	.0	.0	.0 93: 1
S001 1 7615 R GSFC	.0006	-.0036	-.0002	-.0010	-.0012	.0032	-.3	-.5	.8 96: 54
S001 1 7615 R USNO	.0075	-.0178	.0069	-.0008	.0007	.0205	-.3	.2	4.0 95:261
S001 1 7615 R NOAA	-.0035	.0089	-.0075	.0006	-.0042	-.0113	.1	-.6	-1.4 94: 11
S001 1 7615 R GIUB	-.0024	.0046	-.0016	-.0002	.0001	-.0054	-.1	.0	-1.3 95: 83

Velocities

M001 1 CRO1 P CODE	.0048	-.0070	.0030	.0013	.0003	.0089	.2	.1	.9
M001 1 CRO1 P JPL	.0002	-.0010	-.0029	-.0002	-.0031	.0001	.0	-.8	.0
S001 1 7615 R GSFC	-.0010	.0022	-.0018	.0001	-.0010	-.0029	.1	-.8	-1.8
S001 1 7615 R USNO	.0001	.0001	.0013	.0001	.0013	.0003	.1	1.0	.2
S001 1 7615 R NOAA	-.0107	-.0058	-.0079	-.0121	-.0077	-.0018	-1.0	-.6	-.1
S001 1 7615 R GIUB	-.0012	-.0005	.0030	-.0013	.0029	.0009	-.7	1.5	.4

43401 BRIDGETOWN

Positions

S001 1 BARB P CODE	.0054	-.0080	.0048	.0006	.0025	.0105	.1	.5	1.1 98:120
S001 1 BARB P NRCAN	-.0016	.0054	-.0018	.0013	-.0005	-.0057	.3	-.2	-.9 98:145

Velocities

S001 1 BARB P CODE	-.0103	.0004	-.0028	-.0087	-.0015	-.0060	-.3	-.1	-.3
S001 1 BARB P NRCAN	.0026	.0103	.0017	.0074	.0034	-.0071	.2	.2	-.2

43602 GRAND TURK

Positions

M002 1 7068 L CSR	-.0018	.0494	.0062	.0142	.0231	-.0418	.0	.0	.0 78:262
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Velocities

M002 1 7068 L CSR	.0000	-.0001	.0000	.0000	.0000	.0001	.0	.0	.0
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49907 SOLOMONS ISLAND

Positions

S001 1 SOL1 P NRCAN	-.0008	.0018	-.0001	-.0003	.0011	-.0016	.0	.1	-.1 98:138
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Velocities

S001 1 SOL1 P NRCAN	-.0015	-.0002	.0010	-.0015	.0009	.0005	.0	.0	.0
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49908 ANNAPOLIS

Positions

S001 1 USNA P NRCAN	-.0007	.0017	-.0001	-.0003	.0011	-.0014	.0	.1	-.2 98:138
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Velocities

S001 1 USNA P NRCAN	-.0014	.0003	.0006	-.0013	.0008	-.0001	.0	.0	.0
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49914 KEYBISCAYNE

Positions

S001 1 AOML P NRCAN	-.0011	.0019	-.0002	-.0008	.0007	-.0020	-.1	.1	-.1 98:130
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Velocities

S001 1 AOML P NRCAN .0015 .0024 -.0005 .0018 .0005 -.0021 .0 .0 .0

50103 CANBERRA/ORRORAL

Positions

M108 1 TIDB TIE50103	-.0081	-.0113	-.0068	.0138	-.0049	.0049	.0	.0	.0	93: 1
M108 1 TIDB P CODE	.0060	-.0098	.0128	.0053	.0045	-.0157	1.0	.9	-2.9	95:136
M108 1 TIDB P EMR	.0079	.0011	.0092	-.0050	.0039	-.0104	-1.0	.8	-2.0	96:332
M108 1 TIDB P GFZ	-.0092	-.0121	.0048	.0151	.0049	-.0015	2.8	.8	-.2	96:106
M108 1 TIDB P NRCAN	.0010	.0000	-.0017	-.0005	-.0019	.0003	-.2	-.9	.1	97:328
M108 1 TIDB P JPL	.0057	-.0024	.0071	-.0008	.0023	-.0091	-.3	.7	-2.6	95:326
M108 2 TIDB P CODE	-.0032	.0068	-.0042	-.0042	.0002	.0075	-1.0	.1	1.8	97:274
M108 2 TIDB P GFZ	-.0086	-.0115	.0053	.0143	.0052	-.0019	2.6	.9	-.3	96:142
S001 1 1543 TIE50103	.0006	.0000	.0000	-.0004	-.0003	-.0004	.0	.0	.0	93: 1
S001 1 1543 R GSFC	-.3840	.2934	-.4382	-.0535	-.0790	.6453	-.3	-.4	3.1	83:240
S003 1 7943 TIE50103	.0040	-.0240	.0116	.0185	.0002	-.0196	.0	.0	.0	93: 1
S003 1 7943 L CSR	-.0981	.0557	-.1017	.0029	-.0171	.1509	.1	-.4	3.8	80:172
S007 1 7843 TIE50103	-.0036	-.0177	.0075	.0170	.0026	-.0093	.0	.0	.0	93: 1
S007 1 7843 L CGS	.0100	-.0092	.0079	.0027	-.0014	-.0154	.6	-.2	-2.9	94:214
S007 1 7843 L DUT	.0060	.0006	-.0058	-.0036	-.0076	-.0005	-.3	-.4	.0	93:100
S007 1 7843 L GSFC	.0124	-.0042	.0085	-.0028	-.0005	-.0153	-.3	.0	-1.5	91:345
S007 1 7843 L1 GZ	-.0151	.0028	-.0024	.0054	.0064	.0131	.7	1.0	1.9	95:215
S007 1 7843 C GRIM	-.0067	.0046	-.0032	-.0005	.0021	.0085	-.1	.2	1.0	93: 1
S007 1 7843 L CSR	.0125	-.0099	.0032	.0021	-.0066	-.0148	.5	-1.6	-3.7	92:167
S010 1 1545 TIE50103	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S010 1 1545 R GSFC	-.0047	.0039	-.0053	-.0009	-.0008	.0079	-.2	-.1	1.3	93:349
S010 1 1545 R USNO	.0016	.0004	-.0024	-.0012	-.0027	.0005	-.2	-.5	.1	94:130
S010 1 1545 R NOAA	-.0207	.0138	.0128	-.0012	.0248	.0129	-.1	3.4	1.6	91:138
S010 1 1545 R GIUB	.0030	-.0011	-.0009	-.0006	-.0025	-.0020	-.1	-.6	-.5	94: 45
S201 1 ORRA TIE50103	-.0027	-.0175	.0044	.0164	-.0003	-.0080	.0	.0	.0	93: 1
S201 1 ORRA C GRIM	-.0038	-.0169	.0171	.0165	.0107	-.0144	.7	.5	-.7	94:123
S201 1 ORRA D GRGS	-.0491	-.0187	.0560	.0413	.0644	-.0063	1.0	2.0	-.2	94:173
S201 1 ORRA D IGN	-.0979	-.0108	.0931	.0597	.1213	.0094	.7	2.1	.1	95: 81
S201 1 ORRA D CSR	-.0087	-.0142	.0533	.0166	.0435	-.0309	.5	1.5	-1.0	94: 4
S202 1 ORRB TIE50103	-.0036	-.0179	.0069	.0172	.0020	-.0090	.0	.0	.0	93: 1
S202 1 ORRB D GRGS	-.0357	.0308	.0690	-.0080	.0831	-.0024	-.1	1.5	.0	97:177
S202 1 ORRB D IGN	-.0259	.0829	.0280	-.0577	.0606	.0365	-.8	1.1	.6	97:227

Velocities

M108 1 TIDB P CODE	.0044	.0015	.0001	-.0036	-.0017	-.0025	-1.0	-.4	-.6	
M108 1 TIDB P EMR	.0014	.0024	-.0032	-.0028	-.0026	.0018	-1.2	-1.1	.7	
M108 1 TIDB P GFZ	.0078	.0044	-.0026	-.0078	-.0047	-.0021	-2.3	-1.5	-.6	
M108 1 TIDB P NRCAN	-.0013	.0006	-.0029	.0002	-.0015	.0028	.1	-.5	.9	
M108 1 TIDB P JPL	.0017	.0004	-.0028	-.0012	-.0030	.0006	-.6	-1.4	.3	
M108 2 TIDB P CODE	.0044	.0015	.0001	-.0036	-.0016	-.0025	-1.0	-.4	-.6	
M108 2 TIDB P GFZ	.0078	.0044	-.0026	-.0078	-.0047	-.0020	-2.2	-1.4	-.6	
S001 1 1543 R GSFC	.0018	-.0014	.0020	.0002	.0003	-.0030	.2	.3	-2.5	
S003 1 7943 L CSR	-.0025	-.0286	.0400	.0258	.0252	-.0335	.9	.7	-1.0	
S007 1 7843 L CGS	.0009	-.0004	-.0005	-.0002	-.0010	-.0005	-.1	-.4	-.2	
S007 1 7843 L DUT	-.0061	-.0007	.0074	.0037	.0089	-.0004	1.3	3.0	-.1	
S007 1 7843 L GSFC	-.0067	.0004	-.0020	.0031	.0018	.0060	1.2	.7	2.2	
S007 1 7843 L1 GZ	.0088	-.0008	.0031	-.0038	-.0021	-.0083	-.8	-.5	-1.8	
S007 1 7843 C GRIM	-.0350	.0018	.0432	.0165	.0531	-.0001	.0	.0	.0	
S007 1 7843 L CSR	-.0020	.0004	-.0009	.0007	.0004	.0021	.4	.2	1.3	
S010 1 1545 R GSFC	.0018	-.0014	.0020	.0002	.0003	-.0030	.2	.3	-2.4	
S010 1 1545 R USNO	.0006	-.0004	.0018	.0000	.0010	-.0016	.0	.8	-1.2	
S010 1 1545 R NOAA	.0043	-.0003	.0031	-.0019	.0003	-.0049	-.6	.1	-1.5	
S010 1 1545 R GIUB	.0009	-.0013	.0019	.0006	.0007	-.0023	.5	.5	-1.5	
S201 1 ORRA C GRIM	-.0042	.0062	-.0045	-.0031	.0003	.0082	-.9	.1	2.3	
S201 1 ORRA D GRGS	-.0256	.0117	-.0149	.0032	.0042	.0314	.1	.1	.9	
S201 1 ORRA D IGN	-.0128	-.0203	-.0067	.0240	-.0052	.0043	.4	-.1	.1	
S201 1 ORRA D CSR	.0029	-.0073	-.0011	.0048	-.0045	-.0044	.1	-.1	-.1	
S202 1 ORRB D GRGS	-.0256	.0117	-.0149	.0032	.0042	.0314	.1	.1	.9	

S202 1 ORRB D IGN -.0128 -.0203 -.0067 .0240 -.0052 .0043 .4 -.1 .1

50107 YARRAGADEE

Positions

M001 1 7090 TIE50107	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M001 1 7090 L CGS	.0050	-.0112	.0074	.0002	.0005	-.0143	.1	.1	-4.3	93:273
M001 1 7090 L DUT	.0092	-.0025	.0061	-.0073	.0023	-.0083	-.7	.1	-.6	92:267
M001 1 7090 L GSFC	.0042	-.0027	-.0017	-.0027	-.0035	-.0029	-.7	-.8	-.8	89:243
M001 1 7090 L1 GZ	-.0080	.0013	-.0001	.0066	.0022	.0040	1.7	.7	1.3	95:196
M001 1 7090 C GRIM	-.0047	.0112	-.0142	-.0006	-.0065	.0175	-.3	-1.8	5.6	93: 1
M001 1 7090 L CSR	-.0022	-.0009	-.0040	.0023	-.0034	.0020	.7	-1.0	.7	92: 67
M004 1 YAR1 TIE50107	.0003	.0013	-.0039	-.0008	-.0029	.0028	.0	.0	.0	93: 1
M004 1 YAR1 P CODE	-.0008	.0008	.0008	.0004	.0012	.0005	.1	.4	.1	96:324
M004 1 YAR1 P EMR	.0044	.0044	.0008	-.0058	.0018	.0014	-1.2	.4	.3	96:321
M004 1 YAR1 P GFZ	-.0122	-.0103	.0020	.0154	-.0003	-.0046	2.8	.0	-.7	96: 87
M004 1 YAR1 P NRCAN	.0024	-.0025	.0016	-.0011	-.0002	-.0037	-.5	-.1	-1.5	97:305
M004 1 YAR1 P JPL	-.0028	.0044	-.0005	.0006	.0020	.0047	.2	.6	1.2	95:318
M004 2 YAR1 P GFZ	-.0117	-.0103	.0018	.0150	-.0005	-.0047	2.6	-.1	-.7	96:134
S006 1 YARA TIE50107	.0009	.0008	-.0024	-.0011	-.0020	.0015	.0	.0	.0	93: 1
S006 1 YARA C GRIM	-.0030	-.0102	-.0055	.0071	-.0087	-.0043	.4	-.6	-.3	93:321
S006 1 YARA D GRGS	-.0387	-.0317	.0619	.0485	.0482	-.0406	1.7	2.5	-1.8	95:197
S006 1 YARA D IGN	-.0229	-.0092	.0236	.0246	.0214	-.0101	.5	.7	-.3	96:363
S006 1 YARA D CSR	-.0483	-.0128	.0177	.0491	.0199	-.0006	1.3	.8	.0	94: 63
S009 1 7847 L1 GZ	.0135	.0129	-.1308	-.0177	-.1114	.0687	-.1	-.4	.2	93: 1
S009 1 7847 L CSR	-.0096	.1768	-.1992	-.0670	-.0945	.2400	.0	-.1	.1	96: 80

Velocities

M001 1 7090 L CGS	.0011	-.0019	.0004	-.0002	-.0007	-.0021	-.3	-.6	-1.9	
M001 1 7090 L DUT	-.0064	.0004	.0039	.0056	.0049	.0008	2.1	1.7	.3	
M001 1 7090 L GSFC	-.0018	.0000	.0006	.0016	.0009	.0003	1.9	.9	.4	
M001 1 7090 L1 GZ	.0043	.0013	-.0001	-.0045	-.0004	-.0005	-1.8	-.2	-.3	
M001 1 7090 C GRIM	-.0448	.0106	.0461	.0359	.0543	.0027	.0	.0	.0	
M001 1 7090 L CSR	.0005	-.0010	-.0001	.0000	-.0006	-.0009	.0	-.4	-.7	
M004 1 YAR1 P CODE	.0020	.0009	-.0005	-.0022	-.0005	.0002	-2.4	-.5	.2	
M004 1 YAR1 P EMR	.0023	.0010	-.0011	-.0025	-.0010	.0005	-2.3	-.8	.4	
M004 1 YAR1 P GFZ	.0031	-.0002	-.0006	-.0027	-.0012	-.0010	-.9	-.5	-.3	
M004 1 YAR1 P NRCAN	.0000	.0048	-.0017	-.0020	.0007	.0046	-.6	.3	1.4	
M004 1 YAR1 P JPL	.0026	.0002	-.0013	-.0025	-.0016	-.0002	-1.1	-.7	-.1	
M004 2 YAR1 P GFZ	.0030	-.0001	-.0004	-.0027	-.0010	-.0010	-.8	-.4	-.3	
S006 1 YARA C GRIM	.0026	.0025	-.0019	-.0034	-.0011	.0020	-1.9	-.9	1.3	
S006 1 YARA D GRGS	-.0011	-.0068	-.0046	.0040	-.0067	-.0027	.2	-.5	-.2	
S006 1 YARA D IGN	.0046	-.0012	-.0065	-.0037	-.0072	.0005	-.1	-.4	.0	
S006 1 YARA D CSR	-.0086	.0052	-.0053	.0055	-.0005	.0099	.1	.0	.3	
S009 1 7847 L1 GZ	-.0440	.0090	.0466	.0359	.0538	.0010	.0	.0	.0	
S009 1 7847 L CSR	-.0003	-.0001	.0025	.0003	.0022	-.0012	.0	.0	.0	

50108 PARKES

Positions

S001 1 7202 R GSFC	.0916	-.0534	.0694	-.0027	.0005	-.1267	-.1	.0	-4.2	94: 34
S001 1 7202 R USNO	-.0463	.0109	-.0315	.0151	-.0018	.0550	.2	.0	.8	95:145

Velocities

S001 1 7202 R GSFC	-.0522	.0369	-.0439	-.0039	-.0021	.0774	-.3	-.1	4.5	
S001 1 7202 R USNO	.0086	-.0359	.0259	.0261	.0074	-.0361	.4	.1	-.6	

50116 HOBART

Positions

M003 1 HOB1 TIE50116	-.0039	-.0085	-.0027	.0093	-.0028	.0009	.0	.0	.0	93: 1
M003 1 HOB1 P CODE	-.0030	-.0089	.0083	.0091	.0046	-.0073	1.2	.6	-.9	94:248
M003 1 HOB1 P GFZ	-.0260	-.0245	.0116	.0346	.0144	-.0015	3.2	1.3	-.1	94:184

M004 1 HOB2 TIE50116	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M004 1 HOB2 P CODE	-.0013	.0023	-.0008	-.0012	.0010	.0023	-.3	.3	.6	96:339
M004 1 HOB2 P GFZ	-.0123	-.0112	.0002	.0160	.0031	.0031	2.6	.4	.4	96:200
M004 1 HOB2 P NRCAN	.0004	-.0014	-.0001	.0010	-.0008	-.0007	.4	-.3	-.3	97:309
M004 1 HOB2 P JPL	.0015	-.0009	.0015	-.0001	-.0001	-.0023	.0	.0	-.5	96:227
S002 1 7242 TIE50116	-.0044	-.0119	-.0031	.0124	-.0041	.0002	.0	.0	.0	93: 1
S002 1 7242 R GSFC	.0001	.0026	-.0016	-.0023	-.0003	.0020	-.9	-.1	.7	94:268
S002 1 7242 R USNO	.0024	.0010	-.0021	-.0021	-.0026	.0004	-.9	-.9	.1	94:283
S002 1 7242 R NOAA	-.0154	.0101	.0187	-.0002	.0263	.0008	.0	3.4	.1	91:204
S002 1 7242 R GIUB	.0045	-.0004	-.0001	-.0021	-.0028	-.0029	-.6	-.8	-.8	94: 12

Velocities

M003 1 HOB1 P CODE	-.0022	.0047	-.0041	-.0028	.0000	.0060	-1.3	.0	2.4
M003 1 HOB1 P GFZ	.0077	.0055	-.0003	-.0088	-.0026	-.0024	-2.0	-.6	-.5
M004 1 HOB2 P CODE	-.0022	.0047	-.0041	-.0028	.0000	.0060	-1.3	.0	2.4
M004 1 HOB2 P GFZ	.0077	.0056	-.0002	-.0089	-.0025	-.0024	-2.1	-.5	-.5
M004 1 HOB2 P NRCAN	-.0009	-.0015	-.0017	.0017	-.0012	.0011	.5	-.3	.3
M004 1 HOB2 P JPL	.0009	.0009	-.0025	-.0012	-.0020	.0015	-.3	-.5	.4
S002 1 7242 R GSFC	.0014	-.0006	.0009	-.0003	-.0003	-.0017	-.3	-.3	-1.5
S002 1 7242 R USNO	.0001	.0004	.0002	-.0004	.0003	.0000	-.4	.2	.0
S002 1 7242 R NOAA	.0037	.0005	.0010	-.0024	-.0013	-.0028	-.7	-.4	-.8
S002 1 7242 R GIUB	.0009	-.0005	.0010	-.0001	.0000	-.0014	-.1	.0	-1.0

50127 COCO ISLAND

Positions

M001 1 COCO P CODE	-.0016	.0160	-.0047	-.0003	-.0012	.0167	-.1	-.3	1.7	97:276
M001 1 COCO P GFZ	-.0120	.0014	-.0019	.0118	-.0013	.0032	1.6	-.2	.2	97:115
M001 1 COCO P NRCAN	.0016	-.0045	.0008	-.0011	-.0002	-.0047	-.4	-.1	-1.0	97:299

Velocities

M001 1 COCO P CODE	.0020	-.0024	-.0011	-.0017	-.0017	-.0023	-.2	-.3	-.1
M001 1 COCO P GFZ	-.0003	.0237	-.0033	-.0025	.0017	.0237	-.6	.1	.7
M001 1 COCO P NRCAN	.0031	-.0067	.0011	-.0023	-.0005	-.0071	-.6	-.1	-.9

50133 PERTH

Positions

M001 1 PERT P CODE	-.0021	.0049	-.0022	-.0002	.0009	.0057	-.1	.3	1.4	97: 44
M001 1 PERT P NRCAN	.0010	-.0008	-.0001	-.0006	-.0008	-.0010	-.2	-.3	-.4	97:279
M001 1 PERT P JPL	.0038	-.0068	.0053	-.0005	.0004	-.0094	-.1	.1	-2.2	96:183

Velocities

M001 1 PERT P CODE	.0016	.0003	.0004	-.0016	.0001	-.0005	-1.6	.1	-.5
M001 1 PERT P NRCAN	.0004	.0017	-.0014	-.0011	-.0004	.0019	-.3	-.1	.5
M001 1 PERT P JPL	.0028	.0017	-.0008	-.0033	-.0005	.0007	-1.0	-.2	.2

50134 DARWIN

Positions

M001 1 DARW P NRCAN	-.0116	.0122	-.0025	.0007	.0013	.0169	.0	.0	.3	98:226
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Velocities

M001 1 DARW P NRCAN	-.0558	.1005	-.0320	-.0241	-.0062	.1167	-.1	.0	.3
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50135 MACQUARIE ISLAND

Positions

M001 1 MAC1 P CODE	.0023	.0026	.0028	-.0032	.0007	-.0030	-.9	.2	-.7	97: 39
M001 1 MAC1 P GFZ	-.0059	-.0126	.0056	.0139	.0041	-.0040	2.4	.5	-.5	96:272
M001 1 MAC1 P NRCAN	-.0013	-.0014	-.0019	.0018	-.0006	.0020	.9	-.2	.8	97:332
M001 1 MAC1 P JPL	.0000	.0026	-.0004	-.0024	.0006	.0009	-.7	.1	.2	96:203

Velocities

M001 1 MAC1 P CODE	.0016	.0027	.0004	-.0031	-.0002	-.0006	-2.8	-.2	-.6
M001 1 MAC1 P GFZ	.0082	.0081	-.0034	-.0105	-.0059	.0000	-2.6	-2.2	.0
M001 1 MAC1 P NRCAN	-.0027	-.0030	-.0018	.0038	.0001	.0023	1.2	.0	.6
M001 1 MAC1 P JPL	.0014	-.0019	-.0021	.0013	-.0028	.0005	.4	-.7	.1

50137 ALICE SPRINGS

Positions

M001 1 ALIC P NRCAN	-.0006	.0020	-.0013	-.0010	-.0004	.0022	.0	.0	.1 98:243
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Velocities

M001 1 ALIC P NRCAN	.0063	-.0081	.0025	.0010	-.0018	-.0104	.0	.0	.0
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50139 KARRATHA

Positions

M001 1 KARR P NRCAN	.0013	.0019	-.0006	-.0020	-.0002	.0013	-.1	.0	.1 98:239
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Velocities

M001 1 KARR P NRCAN	.0046	-.0110	.0035	.0009	-.0009	-.0123	.0	.0	.0
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50207 CHATHAM ISLAND

Positions

M001 1 CHAT P CODE	-.0021	.0052	-.0020	-.0053	-.0002	.0026	-1.5	.0	.6 97:171
M001 1 CHAT P GFZ	.0017	-.0035	-.0007	.0036	-.0015	-.0006	.6	-.2	-.1 97:101
M001 1 CHAT P NRCAN	.0004	-.0013	.0001	.0013	-.0002	-.0003	.7	-.1	-.1 97:308

Velocities

M001 1 CHAT P CODE	.0026	.0032	.0000	-.0030	-.0019	-.0020	-.9	-.4	-.4
M001 1 CHAT P GFZ	.0013	.0103	-.0082	-.0102	-.0073	.0043	-1.0	-1.2	.8
M001 1 CHAT P NRCAN	-.0002	-.0015	-.0006	.0015	-.0002	.0006	.5	-.1	.2

50209 AUCKLAND

Positions

M001 1 AUCK P CODE	-.0014	.0054	-.0015	-.0052	.0000	.0024	-1.5	.0	.5 97:175
M001 1 AUCK P NRCAN	.0007	-.0010	.0002	.0009	-.0003	-.0007	.5	-.1	-.3 97:307

Velocities

M001 1 AUCK P CODE	.0054	.0026	.0014	-.0031	-.0019	-.0049	-.9	-.4	-.9
M001 1 AUCK P NRCAN	-.0004	-.0012	-.0007	.0012	-.0004	.0007	.4	-.1	.2

50501 GUAM

Positions

M002 1 GUAM TIE50501	.0037	-.0009	.0033	-.0014	.0041	-.0027	.0	.0	.0 93: 1
M002 1 GUAM P CODE	.0038	-.0049	-.0008	.0018	.0006	-.0059	.3	.2	-1.0 96:360
M002 1 GUAM P GFZ	.0127	-.0014	-.0024	-.0062	.0003	-.0115	-.9	.1	-1.5 96:222
M002 1 GUAM P NRCAN	-.0025	.0009	.0012	.0007	.0006	.0028	.2	.3	.9 97:231
M002 1 GUAM P JPL	-.0103	.0029	.0030	.0036	.0005	.0105	.6	.2	1.8 96:210
S001 1 GUAB TIE50501	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
S001 1 GUAB C GRIM	.0766	.0249	-.0247	-.0644	-.0127	-.0529	-1.3	-.5	-1.2 95:258
S001 1 GUAB D GRGS	.0159	.0057	.0037	-.0139	.0059	-.0086	-.4	.3	-.3 95:341
S001 1 GUAB D IGN	.0292	.0279	.0312	-.0396	.0322	-.0003	-.8	1.2	.0 96:361
S001 1 GUAB D CSR	.0316	-.0284	-.0091	.0051	.0010	-.0431	.1	.0	-.9 95: 24

Velocities

M002 1 GUAM P CODE	-.0048	.0036	.0010	-.0002	-.0005	.0061	.0	-.2	1.1
M002 1 GUAM P GFZ	.0023	.0049	-.0039	-.0054	-.0040	.0000	-1.5	-1.8	.0
M002 1 GUAM P NRCAN	.0022	-.0030	-.0005	.0011	.0003	-.0036	.3	.1	-.9
M002 1 GUAM P JPL	.0041	-.0032	-.0023	.0002	-.0010	-.0056	.0	-.4	-.9

S001 1 GUAB C GRIM	-.0012	.0050	-.0024	-.0034	-.0032	.0032	-.3	-.3	.3
S001 1 GUAB D GRGS	.0076	-.0030	.0037	-.0019	.0054	-.0068	-.1	.4	-.3
S001 1 GUAB D IGN	.0110	.0122	-.0238	-.0163	-.0226	-.0075	-.4	-1.0	-.2
S001 1 GUAB D CSR	-.0105	-.0030	.0186	.0085	.0165	.0110	.1	.3	.1

50503 AMERICAN SAMOA

Positions

M001 1 7096 L CSR	.0133	-.0238	-.0307	.0256	-.0320	-.0014	.5	-.6	.0 80:146
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Velocities

M001 1 7096 L CSR	-.0083	.0363	.0459	-.0372	.0450	-.0091	-.3	.3	.0
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50505 KWAJALEIN ATOLL

Positions

M001 1 7092 TIE50505	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M001 1 7092 L CSR	.0696	.0088	.0499	-.0236	.0601	-.0570	-.4	1.0	-.6 80:223
S003 1 4968 TIE50505	.0002	.0002	.0004	-.0002	.0004	-.0001	.0	.0	.0 93: 1
S003 1 4968 R GSFC	.0230	-.0026	.0044	-.0024	.0081	-.0220	-.2	.6	-.9 86:189
S003 1 4968 R USNO	.0195	-.0020	.0004	-.0023	.0035	-.0191	-.1	.2	-.4 87: 95
S003 1 4968 R NOAA	.0138	-.0088	.0080	.0056	.0104	-.0139	.5	.8	-.5 86:348

Velocities

M001 1 7092 L CSR	.0349	.1548	.1310	-.1587	.1294	.0209	-.7	.6	.1
S003 1 4968 R GSFC	.0079	-.0012	-.0026	-.0006	-.0012	-.0083	-.1	-.2	-.5
S003 1 4968 R USNO	.0066	-.0011	.0006	-.0004	.0017	-.0065	-.1	.2	-.4
S003 1 4968 R NOAA	.0025	.0029	-.0004	-.0034	-.0001	-.0019	-.5	.0	-.1

50506 KWAJALEIN ATOLL

Positions

M001 1 KWI1 P CODE	-.0041	.0002	.0015	.0006	.0008	.0042	.1	.3	.5 97:227
M001 1 KWI1 P GFZ	.0019	.0057	-.0018	-.0060	-.0017	-.0009	-.8	-.3	-.1 97:101
M001 1 KWI1 P NRCAN	.0012	-.0003	.0005	.0000	.0007	-.0011	.0	.4	-.3 97:279

Velocities

M001 1 KWI1 P CODE	-.0019	.0035	.0002	-.0030	-.0002	.0026	-.4	.0	.2
M001 1 KWI1 P GFZ	.0003	-.0001	-.0033	.0000	-.0032	-.0008	.0	-.7	-.2
M001 1 KWI1 P NRCAN	.0025	-.0018	.0001	.0012	.0005	-.0028	.3	.2	-.5

51001 PORT MORESBY

Positions

S001 1 MORA C GRIM	.0317	.0190	.0074	-.0332	.0046	-.0173	-.3	.1	-.2 93:347
S001 1 MORA D GRGS	-.0131	.0202	-.0066	-.0099	-.0029	.0228	-.2	-.1	.5 94:147
S001 1 MORA D IGN	-.0245	-.0009	.0569	.0141	.0595	.0105	.1	1.3	.1 95:240
S001 1 MORA D CSR	.0002	.0006	-.0215	-.0006	-.0212	.0037	.0	-.8	.1 94: 50

Velocities

S001 1 MORA C GRIM	-.0043	.0013	-.0043	.0013	-.0036	.0049	.1	-.4	.5
S001 1 MORA D GRGS	-.0062	.0075	-.0135	-.0029	-.0118	.0114	-.1	-.5	.2
S001 1 MORA D IGN	.0011	-.0126	-.0128	.0100	-.0140	-.0056	.2	-.5	-.1
S001 1 MORA D CSR	.0106	-.0039	-.0209	-.0025	-.0224	-.0075	.0	-.7	-.2

66001 MC MURDO

Positions

M001 1 MCMU P CODE	-.0124	-.0105	-.0099	.0130	.0073	.0117	1.0	.4	.4 94: 56
M003 1 MCM4 P CODE	.0044	.0036	.0113	-.0046	-.0010	-.0117	-1.3	-.3	-1.8 97: 7
M003 1 MCM4 P EMR	-.0069	-.0134	-.0120	.0147	.0010	.0125	3.4	.2	1.3 96:194
M003 1 MCM4 P GFZ	-.0020	-.0119	.0302	.0121	.0056	-.0297	2.4	1.0	-2.7 96:243
M003 1 MCM4 P NRCAN	-.0003	-.0001	-.0034	.0002	-.0004	.0034	.1	-.2	.9 97:253

M003 1 MCM4 P JPL	-.0033	.0043	-.0143	-.0034	.0011	.0149	-1.4	.4	1.8	96:165
S006 1 MCM2 P CODE	-.0032	-.0027	-.0035	.0034	.0016	.0039	.4	.2	.2	94:361

Velocities

M001 1 MCMU P CODE	-.0016	.0023	-.0050	-.0018	.0009	.0053	-.7	.3	1.0
M003 1 MCM4 P CODE	-.0016	.0023	-.0050	-.0018	.0009	.0053	-.7	.3	1.0
M003 1 MCM4 P EMR	.0041	.0009	.0203	-.0018	.0006	-.0207	-.4	.1	-1.7
M003 1 MCM4 P GFZ	.0127	.0047	.0126	-.0075	-.0083	-.0147	-2.0	-1.7	-1.2
M003 1 MCM4 P NRCAN	.0006	-.0015	.0015	.0013	-.0005	-.0016	.5	-.2	-.3
M003 1 MCM4 P JPL	.0019	-.0012	.0063	.0007	-.0007	-.0066	.3	-.2	-.8
S006 1 MCM2 P CODE	-.0016	.0023	-.0050	-.0018	.0009	.0053	-.7	.3	1.0

66004 MAWSON STATION

Positions

M001 1 MAW1 P NRCAN	.0026	-.0033	.0011	-.0038	-.0012	-.0017	-.3	-.1	.0	98:241
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Velocities

M001 1 MAW1 P NRCAN	-.0072	-.0315	.0587	-.0079	-.0066	-.0662	-.1	.0	-.2
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66006 SYOWA

Positions

S001 1 SYOB C GRIM	.0112	.0060	.0340	-.0024	.0238	-.0273	-.2	2.1	-2.2	95:125
S001 1 SYOB D GRGS	.0012	-.0077	.0064	-.0067	-.0014	-.0075	-.6	-.1	-.6	95:209
S001 1 SYOB D IGN	-.0111	.0045	-.0357	.0105	-.0181	.0313	.5	-.8	1.6	96:253
S001 1 SYOB D CSR	.0008	-.0218	-.0720	-.0173	-.0382	.0625	-.6	-1.3	2.0	94:229

Velocities

S001 1 SYOB C GRIM	.0035	-.0040	-.0068	-.0053	-.0023	.0064	-.8	-.3	.9
S001 1 SYOB D GRGS	.0025	-.0021	.0017	-.0033	.0012	-.0014	-.4	.1	-.1
S001 1 SYOB D IGN	.0196	.0051	.0033	-.0086	.0183	.0035	-.5	1.1	.3
S001 1 SYOB D CSR	.0008	-.0023	.0243	-.0023	.0079	-.0230	-.1	.2	-.6

66007 ROTHERA

Positions

S001 1 ROTA C GRIM	.0252	.0085	.0140	.0265	.0068	-.0124	2.0	.6	-.9	95:253
S001 1 ROTA D GRGS	-.0075	-.0057	-.0079	-.0091	-.0007	.0083	-.7	-.1	.6	95:198
S001 1 ROTA D IGN	-.0323	-.0024	-.0274	-.0308	-.0195	.0216	-1.0	-.8	.9	96:298
S001 1 ROTA D CSR	-.0181	-.0101	.0040	-.0206	.0040	-.0027	-.8	.1	-.1	94:115

Velocities

S001 1 ROTA C GRIM	-.0015	-.0047	-.0041	-.0032	.0020	.0052	-.4	.3	.7
S001 1 ROTA D GRGS	-.0009	-.0010	.0042	-.0012	.0022	-.0036	-.1	.2	-.4
S001 1 ROTA D IGN	.0097	.0017	-.0057	.0096	-.0003	.0061	.4	.0	.4
S001 1 ROTA D CSR	.0020	-.0054	.0023	-.0002	.0062	.0001	.0	.2	.0

66008 O'HIGGIN

Positions

M001 1 OHIG TIE66008	.0037	.0032	-.0054	.0048	-.0031	.0045	.0	.0	.0	93: 1
M001 1 OHIG P CODE	-.0013	.0043	.0038	.0011	-.0022	-.0053	.2	-.3	-.6	97: 66
M001 1 OHIG P GFZ	-.0057	-.0042	.0093	-.0071	.0046	-.0080	-1.0	.5	-.7	96:218
M001 1 OHIG P NRCAN	-.0012	.0024	.0009	.0003	-.0020	-.0020	.1	-.7	-.5	97:277
M001 1 OHIG P JPL	-.0045	.0032	.0101	-.0022	.0000	-.0114	-.6	.0	-1.6	96:312
S001 1 7245 TIE66008	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
S001 1 7245 R GSFC	.0101	-.0114	-.0294	.0025	.0002	.0330	.4	.0	3.1	95: 74
S001 1 7245 R USNO	.0076	-.0069	-.0351	.0028	-.0069	.0358	.2	-.3	1.1	95: 41
S001 1 7245 R NOAA	.0122	-.0021	-.0254	.0093	-.0040	.0264	.7	-.3	1.5	93: 1
S001 1 7245 R GIUB	.0089	-.0064	-.0334	.0041	-.0059	.0344	.6	-.7	3.1	94:313

Velocities

M001 1 OHIG P CODE	.0019	.0043	-.0005	.0039	-.0026	-.0008	.7	-.4	-.1
M001 1 OHIG P GFZ	.0169	.0066	-.0105	.0178	-.0017	.0109	2.4	-.2	.9
M001 1 OHIG P NRCAN	-.0007	.0023	-.0023	.0006	-.0031	.0011	.2	-.8	.2
M001 1 OHIG P JPL	.0016	.0008	-.0086	.0018	-.0037	.0077	.4	-.7	1.1
S001 1 7245 R GSFC	.0018	-.0002	-.0010	.0014	.0005	.0014	.4	.1	.2
S001 1 7245 R USNO	.0029	-.0034	-.0041	.0006	.0021	.0056	.2	.4	.7
S001 1 7245 R NOAA	.0023	-.0073	-.0095	-.0019	.0023	.0118	.0	.0	.0
S001 1 7245 R GIUB	.0035	-.0036	-.0083	.0010	.0006	.0096	.3	.2	2.7

66010 DAVIS

Positions

M001 1 DAV1 P CODE	.0008	.0023	-.0032	-.0003	.0011	.0039	-.1	.2	.6 96:301
M001 1 DAV1 P EMR	.0077	-.0119	-.0022	-.0100	-.0101	-.0016	-1.8	-1.6	-.2 96:271
M001 1 DAV1 P GFZ	-.0187	-.0036	-.0077	.0176	-.0097	.0045	3.2	-1.3	.4 96:151
M001 1 DAV1 P NRCAN	.0019	-.0013	-.0009	-.0021	-.0011	.0006	-.9	-.4	.1 97:263
M001 1 DAV1 P JPL	.0026	-.0005	.0080	-.0026	.0030	-.0075	-.7	.6	-.9 96:178

Velocities

M001 1 DAV1 P CODE	-.0022	-.0007	.0021	.0020	-.0004	-.0024	.8	-.1	-.5
M001 1 DAV1 P EMR	-.0032	.0053	.0013	.0042	.0047	.0004	1.1	1.1	.1
M001 1 DAV1 P GFZ	-.0008	.0048	.0046	.0017	.0059	-.0026	.4	1.0	-.3
M001 1 DAV1 P NRCAN	.0010	-.0023	-.0004	-.0014	-.0020	-.0004	-.4	-.5	-.1
M001 1 DAV1 P JPL	-.0006	.0008	-.0004	.0007	.0005	.0006	.2	.1	.1

66011 CASEY

Positions

M001 1 CAS1 P CODE	-.0007	.0043	-.0084	-.0008	.0005	.0094	-.2	.1	1.5 96:314
M001 1 CAS1 P EMR	.0033	-.0130	.0063	.0014	-.0097	-.0111	.2	-.8	-.7 96:192
M001 1 CAS1 P GFZ	-.0147	-.0181	.0189	.0201	-.0032	-.0221	3.8	-.5	-2.5 96:211
M001 1 CAS1 P NRCAN	.0021	.0002	-.0023	-.0020	-.0014	.0019	-.8	-.5	.6 97:276
M001 1 CAS1 P JPL	.0008	.0013	-.0106	-.0012	-.0034	.0101	-.1	-.3	.6 97:307

Velocities

M001 1 CAS1 P CODE	-.0020	-.0008	.0001	.0022	.0000	-.0001	.8	.0	.0
M001 1 CAS1 P EMR	-.0082	.0015	-.0030	.0071	.0027	.0045	.3	.1	.1
M001 1 CAS1 P GFZ	.0036	.0014	.0092	-.0038	.0038	-.0084	-1.1	1.2	-2.5
M001 1 CAS1 P NRCAN	-.0004	.0009	-.0074	.0000	-.0021	.0072	.0	-.6	1.6
M001 1 CAS1 P JPL	.0007	.0014	-.0023	-.0011	.0001	.0026	-.3	.0	.3

91201 KERGUELEN

Positions

M002 1 KERG TIE91201	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0 93: 1
M002 1 KERG P CODE	.0017	.0043	-.0037	-.0001	.0011	.0058	.0	.3	1.4 96:358
M002 1 KERG P EMR	.0108	-.0134	.0026	-.0147	-.0051	-.0078	-3.0	-.9	-1.4 96:271
M002 1 KERG P GFZ	-.0170	.0043	-.0089	.0174	-.0070	.0057	3.3	-1.0	.8 96:227
M002 1 KERG P NRCAN	.0020	-.0016	-.0004	-.0025	-.0009	-.0003	-1.0	-.4	-.1 97:275
M002 1 KERG P JPL	-.0011	-.0104	.0082	-.0025	-.0024	-.0128	-.3	-.2	-1.2 97:328
S002 1 KERA TIE91201	-.0015	.0018	.0001	.0020	.0009	.0007	.0	.0	.0 93: 1
S002 1 KERA C GRIM	.0402	-.0744	.0105	-.0630	-.0360	-.0447	-1.3	-.9	-1.1 94: 2
S002 1 KERA D GRGS	.0911	-.0335	.0010	-.0971	.0001	-.0012	-2.7	.0	.0 94: 15
S002 1 KERA D IGN	.0562	-.0246	-.0218	-.0612	-.0174	.0138	-.8	-.3	.3 95:145
S002 1 KERA D CSR	.0355	-.0464	-.0004	-.0491	-.0243	-.0204	-1.4	-.8	-.7 93:267
S003 1 KERB TIE91201	-.0012	.0025	.0000	.0020	.0015	.0013	.0	.0	.0 93: 1
S003 1 KERB C GRIM	-.0033	-.0414	.0210	-.0109	-.0167	-.0420	-.4	-.9	-2.2 96: 21
S003 1 KERB D GRGS	.0564	-.0259	.0067	-.0619	.0003	-.0085	-2.1	.0	-.4 96: 94
S003 1 KERB D IGN	.0731	-.0264	-.0177	-.0777	-.0116	.0133	-2.0	-.4	.5 96:318
S003 1 KERB D CSR	.0136	-.0010	-.0076	-.0132	-.0022	.0081	-.3	-.1	.2 95:186

Velocities

M002 1 KERG P CODE	-.0019	-.0010	-.0002	.0014	-.0013	-.0008	.5	-.4	-.3
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M002 1 KERG P EMR	-.0039	.0022	.0007	.0044	.0011	-.0001	1.2	.3	.0
M002 1 KERG P GFZ	.0027	.0057	-.0003	-.0006	.0046	.0043	-.1	.8	.7
M002 1 KERG P NRCAN	.0002	-.0021	.0005	-.0009	-.0012	-.0016	-.3	-.4	-.5
M002 1 KERG P JPL	.0005	.0015	-.0007	.0000	.0007	.0016	.0	.1	.3
S002 1 KERA C GRIM	-.0029	.0034	-.0002	.0039	.0015	.0016	.4	.2	.2
S002 1 KERA D GRGS	-.0013	.0065	-.0096	.0034	-.0020	.0110	.1	-.1	.5
S002 1 KERA D IGN	-.0029	.0222	-.0125	.0102	.0070	.0225	.3	.3	1.0
S002 1 KERA D CSR	.0118	-.0043	-.0104	-.0125	-.0068	.0078	-.3	-.2	.2
S003 1 KERB C GRIM	-.0038	.0024	-.0016	.0043	-.0003	.0018	.5	.0	.2
S003 1 KERB D GRGS	-.0013	.0065	-.0096	.0034	-.0019	.0110	.1	-.1	.5
S003 1 KERB D IGN	-.0029	.0222	-.0125	.0102	.0070	.0225	.3	.3	1.0
S003 1 KERB D CSR	.0118	-.0043	-.0104	-.0125	-.0068	.0078	-.3	-.2	.2

91401 AMSTERDAM

Positions

S001 1 AMSA C GRIM	-.0333	-.0036	.0065	.0318	-.0014	-.0125	.9	-.1	-.5	95:159
S001 1 AMSA D GRGS	.0337	-.0019	.0018	-.0333	.0048	.0032	-1.1	.3	.2	95:113
S001 1 AMSA D IGN	.0227	-.0117	-.0073	-.0247	-.0098	-.0007	-.4	-.3	.0	96:209
S001 1 AMSA D CSR	-.0463	.0191	-.0043	.0493	.0020	.0095	1.2	.1	.3	94:139
S002 1 AMSE D GRGS	-.1334	.0008	-.0434	.1304	-.0514	.0045	.3	-.2	.0	95:299

Velocities

S001 1 AMSA C GRIM	.0026	.0011	-.0068	-.0023	-.0044	.0054	-.2	-.5	.6
S001 1 AMSA D GRGS	-.0108	.0066	-.0048	.0120	-.0013	.0062	.5	-.1	.4
S001 1 AMSA D IGN	.0068	-.0012	.0027	-.0069	.0023	-.0014	-.2	.1	-.1
S001 1 AMSA D CSR	-.0070	-.0047	-.0049	.0058	-.0076	-.0018	.1	-.3	-.1
S002 1 AMSE D GRGS	-.0108	.0066	-.0048	.0120	-.0013	.0062	.5	-.1	.4

91501 ILE DES PETRELS

Positions

S001 1 ADEA C GRIM	.0061	.0122	.0065	-.0133	.0055	-.0047	-1.5	.6	-.5	95:148
S001 1 ADEA D GRGS	.0154	-.0105	-.0168	-.0018	-.0237	.0081	-.2	-2.0	.7	95:181
S001 1 ADEA D IGN	-.0416	.0000	-.0017	.0267	.0286	.0141	1.2	1.3	.7	96:265
S001 1 ADEA D CSR	.0164	.0047	-.0094	-.0141	-.0125	.0048	-.6	-.6	.2	94:118

Velocities

S001 1 ADEA C GRIM	.0015	-.0010	-.0033	-.0002	-.0029	.0023	.0	-.5	.4
S001 1 ADEA D GRGS	.0012	.0008	.0047	-.0014	.0015	-.0045	-.2	.2	-.5
S001 1 ADEA D IGN	.0142	-.0018	-.0110	-.0077	-.0154	.0053	-.5	-1.1	.4
S001 1 ADEA D CSR	-.0032	-.0043	-.0028	.0054	-.0015	.0025	.2	-.1	.1

92201 PAPEETE

Positions

M003 1 PAMA P CODE	.0099	.0010	.0031	.0042	.0003	-.0096	.5	.0	-1.0	95:302
M003 1 PAMA P EMR	-.0238	.0004	-.0015	-.0124	.0047	.0198	-.7	.5	1.1	96:211
M003 1 PAMA P GFZ	-.0147	-.0089	.0097	.0003	.0145	.0135	.0	1.6	.9	94:326
M003 1 PAMA P NRCAN	-.0026	-.0025	-.0011	.0009	.0000	.0036	.1	.0	.5	96:255
M006 1 TAHI TIE92201	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M006 1 TAHI P CODE	-.0043	.0006	-.0008	-.0026	.0003	.0035	-.2	.0	.3	97:294
M006 1 TAHI P GFZ	.0288	.0106	.0040	.0054	-.0053	-.0300	.3	-.5	-1.7	97:225
M006 1 TAHI P NRCAN	-.0076	-.0042	-.0027	-.0002	.0001	.0091	.0	.0	1.5	97:311
M007 1 7124 TIE92201	-.0003	-.0001	-.0004	-.0001	-.0002	.0005	.0	.0	.0	93: 1
M007 1 7124 L1 GZ	.0154	.0217	.0227	-.0109	.0144	-.0300	-.3	.5	-.9	93: 1
S007 1 PAPB TIE92201	-.0008	-.0004	-.0003	-.0001	.0000	.0010	.0	.0	.0	93: 1
S007 1 PAPB C GRIM	.0003	.0812	.0085	-.0699	-.0043	-.0419	-1.1	-.1	-.8	96:236
S007 1 PAPB D GRGS	.3416	.1904	.1525	.0086	.0273	-.4188	.0	.1	-1.2	96:164
S007 1 PAPB D IGN	.0308	.0335	.0224	-.0134	.0082	-.0482	-.2	.3	-1.0	96:290

Velocities

M003 1 PAMA P CODE	-.0062	-.0007	.0002	-.0026	.0019	.0054	-.2	.3	.5
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M003	1	PAMA	P	EMR	-.0097	.0081	-.0038	-.0119	-.0024	.0052	-.4	-.1	.1
M003	1	PAMA	P	GFZ	.0102	.0053	-.0029	.0007	-.0062	-.0101	.1	-1.2	-1.0
M003	1	PAMA	P	NRCAN	.0092	-.0141	.0020	.0168	.0017	-.0013	1.0	.2	-.1
M006	1	TAHI	P	CODE	-.0268	-.0306	-.0125	.0128	-.0003	.0406	.4	.0	1.1
M006	1	TAHI	P	GFZ	.0015	.0003	-.0003	.0005	-.0007	-.0013	.4	-.6	-1.1
M006	1	TAHI	P	NRCAN	-.0152	-.0126	-.0100	.0032	-.0037	.0216	.2	-.3	1.0
M007	1	7124	L1	GZ	-.0383	.0443	.0253	-.0575	.0273	.0025	.0	.0	.0
S007	1	PAPB	C	GRIM	-.0044	-.0045	-.0019	.0016	.0000	.0063	.2	.0	.6
S007	1	PAPB	D	GRGS	.0104	-.0051	-.0015	.0097	-.0033	-.0057	.0	.0	.0
S007	1	PAPB	D	IGN	.0200	-.0198	.0057	.0272	.0032	-.0086	.4	.1	-.1

92202 HUAHINE

Positions

M002	1	7121	TIE92202	-.0001	-.0005	-.0001	.0004	.0000	.0003	.0	.0	.0	93: 1
M002	1	7121	C GRIM	.0074	.0139	-.0021	-.0086	-.0058	-.0120	-.2	-.2	-.3	93: 1
M002	1	7121	L CSR	.0072	.0216	.0040	-.0154	-.0010	-.0171	-.7	.0	-.6	84:348
M004	1	7123	TIE92202	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M004	1	7123	L CGS	-.0069	-.0173	-.0070	.0118	-.0026	.0159	.6	-.2	.7	91:209
M004	1	7123	L DUT	.0122	-.0160	-.0110	.0199	-.0114	.0004	1.2	-.5	.0	90:323
M004	1	7123	L GSFC	.0042	-.0110	.0013	.0117	.0017	.0012	.8	.1	.1	86: 70
M004	1	7123	C GRIM	.0041	.0205	-.0038	-.0159	-.0075	-.0119	-.6	-.3	-.4	93: 1
M004	1	7123	L CSR	.0126	.0011	-.0043	.0051	-.0074	-.0099	.3	-.6	-.5	90:200
S009	1	HUAA	TIE92202	-.0010	-.0004	-.0007	-.0001	-.0004	.0012	.0	.0	.0	93: 1
S009	1	HUAA	C GRIM	.0103	.0223	.0045	-.0145	-.0014	-.0203	-.5	-.1	-.6	91:340
S009	1	HUAA	D GRGS	.0288	.0151	.0242	.0007	.0138	-.0381	.0	.5	-.8	93:344
S009	1	HUAA	D IGN	.0299	-.0049	.0217	.0188	.0140	-.0291	.1	.2	-.3	94:281
S009	1	HUAA	D CSR	.0343	.0165	.0199	.0022	.0081	-.0421	.0	.2	-.9	93:247

Velocities

M002	1	7121	C GRIM	-.0453	.0538	.0283	-.0690	.0310	.0049	-.1	.0	.0
M002	1	7121	L CSR	.0149	-.0254	.0009	.0294	.0007	-.0010	1.1	.0	.0
M004	1	7123	L CGS	-.0071	-.0030	-.0026	-.0008	-.0003	.0081	-.1	.0	.5
M004	1	7123	L DUT	-.0051	-.0025	-.0004	-.0002	.0013	.0055	-.1	.3	1.3
M004	1	7123	L GSFC	.0038	.0034	.0004	-.0011	-.0011	-.0049	-.2	-.3	-.9
M004	1	7123	C GRIM	-.0453	.0538	.0283	-.0690	.0310	.0049	-.1	.0	.0
M004	1	7123	L CSR	-.0059	-.0039	-.0041	.0005	-.0019	.0079	.1	-.3	.7
S009	1	HUAA	C GRIM	-.0019	.0056	-.0006	-.0058	-.0009	-.0009	-.8	-.1	-.1
S009	1	HUAA	D GRGS	-.0068	.0174	-.0111	-.0185	-.0114	.0008	-.2	-.2	.0
S009	1	HUAA	D IGN	.0336	-.0369	-.0138	.0486	-.0165	-.0071	.7	-.5	-.1
S009	1	HUAA	D CSR	-.0084	.0165	-.0027	-.0185	-.0028	.0002	-.2	-.1	.0

92403 RAPA

Positions

S001	1	RAQB	C GRIM	-.0515	.0614	-.0211	-.0799	-.0159	.0151	-1.5	-.4	.3	96:237
S001	1	RAQB	D GRGS	-.0249	-.0364	-.0115	.0150	.0090	.0420	.3	.3	1.0	97: 6
S001	1	RAQB	D IGN	-.0317	.0161	.0053	-.0316	.0123	.0121	-.6	.3	.3	97: 38

Velocities

S001	1	RAQB	C GRIM	.0104	-.0063	-.0004	.0112	-.0026	-.0040	1.1	-.3	-.4
S001	1	RAQB	D GRGS	.0186	.0009	.0059	.0101	-.0020	-.0166	.1	.0	-.2
S001	1	RAQB	D IGN	.0110	-.0556	.0418	.0515	.0479	.0014	.6	.7	.0

92701 NOUMEA

Positions

M003	1	NOUM	TIE92701	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M003	1	NOUM	P CODE	.0018	.0078	-.0016	-.0080	-.0015	.0007	-1.3	-.2	.1	98:114
S001	1	NOUA	TIE92701	.0003	-.0003	-.0006	.0002	-.0007	-.0001	.0	.0	.0	93: 1
S001	1	NOUA	C GRIM	.0131	-.0190	.0234	.0154	.0152	-.0248	.2	.4	-.5	95:278
S001	1	NOUA	D GRGS	-.0063	.0659	-.0012	-.0626	.0071	.0204	-1.4	.3	.7	95:224
S001	1	NOUA	D IGN	-.0404	.0487	.0234	-.0378	.0409	.0381	-.6	1.2	.9	96:295

S001 1 NOUA D CSR	.0028	-.0145	-.0294	.0134	-.0295	.0055	.2	-.9	.1	94:227
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Velocities

M003 1 NOUM P CODE	.0034	.0048	.0151	-.0055	.0132	-.0077	-.2	.6	-.4
S001 1 NOUA C GRIM	-.0057	.0002	.0054	.0011	.0071	.0031	.1	.7	.3
S001 1 NOUA D GRGS	.0037	-.0082	.0091	.0071	.0063	-.0085	.2	.3	-.4
S001 1 NOUA D IGN	.0079	-.0004	-.0108	-.0014	-.0130	-.0031	.0	-.6	-.1
S001 1 NOUA D CSR	-.0048	-.0042	.0055	.0052	.0065	.0013	.1	.2	.0

92722 LIFOU

Positions

S001 1 LIFB C GRIM	-.0206	-.0794	-.0088	.0820	-.0074	.0055	.8	-.2	.1	95:251
S001 1 LIFB D GRGS	-.0433	.0962	-.0235	-.0843	.0005	.0677	-1.4	.0	1.7	95:241
S001 1 LIFB D IGN	-.0509	.0443	-.0224	-.0320	.0001	.0635	-.2	.0	.4	97:287

Velocities

S001 1 LIFB C GRIM	.0018	-.0054	-.0061	.0049	-.0068	-.0006	.5	-.7	-.1
S001 1 LIFB D GRGS	.0032	.0046	.0028	-.0052	.0018	-.0029	-.1	.1	-.1
S001 1 LIFB D IGN	-.0721	.0977	.0806	-.0793	.1080	.0573	-.1	.2	.1

92802 TANNA

Positions

S001 1 TANB C GRIM	-.0397	-.0670	-.0217	.0732	-.0116	.0323	.6	-.2	.4	95:319
S001 1 TANB D GRGS	-.0541	.1167	-.0277	-.1046	-.0010	.0798	-1.5	.0	1.8	95:290
S001 1 TANB D IGN	-.0746	-.0288	.0008	.0422	.0235	.0638	.2	.2	.4	97:288

Velocities

S001 1 TANB C GRIM	.0037	-.0046	-.0091	.0038	-.0101	-.0012	.4	-1.0	-.1
S001 1 TANB D GRGS	-.0081	-.0286	.0176	.0296	.0174	-.0034	.5	.7	-.1
S001 1 TANB D IGN	-.0329	.1044	.1224	-.0965	.1326	.0079	-.1	.2	.0

92901 WALLIS

Positions

S001 1 WALA C GRIM	.0127	.0107	.0021	-.0098	-.0010	-.0135	-.2	.0	-.4	95:109
S001 1 WALA D GRGS	-.0169	.0092	.0006	-.0103	.0043	.0157	-.2	.2	.6	95:118
S001 1 WALA D IGN	-.0237	.0113	-.0005	-.0129	.0048	.0224	-.2	.1	.5	96:309
S001 1 WALA D CSR	-.0023	.0313	.0000	-.0314	.0000	.0002	-.7	.0	.0	94:144

Velocities

S001 1 WALA C GRIM	-.0032	-.0031	-.0019	.0029	-.0011	.0037	.3	-.1	.4
S001 1 WALA D GRGS	.0042	.0031	-.0041	-.0028	-.0050	-.0033	-.1	-.3	-.2
S001 1 WALA D IGN	.0080	-.0037	-.0141	.0042	-.0155	-.0043	.1	-.9	-.2
S001 1 WALA D CSR	.0005	.0054	.0023	-.0054	.0020	-.0014	-.1	.1	.0

97301 KOUROU

Positions

M210 1 KOUR TIE97301	.0000	.0000	.0000	.0000	.0000	.0000	.0	.0	.0	93: 1
M210 1 KOUR P CODE	-.0010	-.0001	-.0002	-.0008	-.0001	-.0005	-.2	-.1	-.1	96: 99
M210 1 KOUR P GFZ	-.0042	-.0021	.0019	-.0046	.0019	-.0007	-.6	.4	-.1	95:247
M210 1 KOUR P NRCAN	.0003	.0017	-.0007	.0012	-.0006	-.0012	.3	-.5	-.3	97:188
M210 1 KOUR P JPL	.0003	-.0046	.0018	-.0025	.0014	.0040	-.5	.9	.8	95: 69
S004 1 KRUB TIE97301	.0090	-.0452	-.0506	-.0203	-.0541	.0367	.0	-.1	.0	93: 1
S004 1 KRUB C GRIM	-.0147	.0155	.0170	-.0023	.0188	-.0196	-.1	1.1	-.6	95:223
S004 1 KRUB D GRGS	-.0081	.0138	.0043	.0019	.0057	-.0155	.1	.4	-.6	95:219
S004 1 KRUB D IGN	-.0051	.0062	-.0009	-.0003	-.0001	-.0081	.0	.0	-.2	97: 37
S004 1 KRUB D CSR	.0219	-.0260	-.0147	.0016	-.0177	.0325	.0	-.6	.9	94:236
S005 1 KRUA TIE97301	-.0084	.0038	-.0018	-.0044	-.0011	-.0083	.0	.0	.0	93: 1
S005 1 KRUA D IGN	-.0826	-.0373	.0382	-.0884	.0398	-.0170	-.5	.4	-.1	95:177

Velocities

M210	1	KOUR	P	CODE	.0001	-.0007	.0011	-.0003	.0011	.0007	-.3	1.6	.7
M210	1	KOUR	P	GFZ	.0036	.0012	-.0012	.0036	-.0013	.0011	1.0	-.7	.3
M210	1	KOUR	P	NRCAN	-.0065	.0102	-.0016	.0010	-.0005	-.0122	.2	-.4	-2.3
M210	1	KOUR	P	JPL	-.0025	.0035	-.0014	.0002	-.0010	-.0044	.0	-.9	-1.2
S004	1	KRUB	C	GRIM	-.0040	-.0044	.0008	-.0059	.0007	.0012	-.6	.1	.1
S004	1	KRUB	D	GRGS	.0020	.0074	.0018	.0061	.0022	-.0045	.3	.2	-.2
S004	1	KRUB	D	IGN	.0089	.0002	.0001	.0072	-.0004	.0052	.2	.0	.1
S004	1	KRUB	D	CSR	-.0082	.0025	.0158	-.0050	.0163	-.0056	-.1	.5	-.1
S005	1	KRUA	D	IGN	.0089	.0002	.0001	.0072	-.0004	.0052	.2	.0	.1

97401 LA REUNION

Positions

S001	1	REUA	C	GRIM	-.0605	.0170	.0102	.0595	.0023	-.0225	1.8	.1	-.7 95:136
S001	1	REUA	D	GRGS	.0156	.0033	.0002	-.0110	.0043	.0107	-.4	.3	.4 95:149
S001	1	REUA	D	IGN	.0179	-.0017	-.0022	-.0157	.0011	.0089	-.3	.0	.2 97: 33
S001	1	REUA	D	CSR	.0035	-.0077	-.0312	-.0073	-.0306	.0072	-.2	-1.1	.2 94:165

Velocities

S001	1	REUA	C	GRIM	.0036	-.0009	-.0060	-.0035	-.0051	.0034	-.4	-.6	.4
S001	1	REUA	D	GRGS	.0006	-.0002	-.0028	-.0006	-.0026	.0011	.0	-.2	.1
S001	1	REUA	D	IGN	-.0015	.0067	-.0040	.0050	-.0020	.0058	.1	-.1	.2
S001	1	REUA	D	CSR	-.0007	.0044	-.0048	.0030	-.0033	.0048	.1	-.1	.1