Table 11 ITRF2000 Residuals

10002 GRASSE

| DOMES NUM. | S | CDP NUM. | * | RX m | RY m | RZ m | RE m | RN m | RU m | NE | NN | NU | EPOCH y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Positions | | | | | | | | | | | | | |
| M003 | 1 | 7605 | TIE10002 | -.0019 | -.0017 | .0022 | -.0014 | .0030 | .0000 | -.5 | 1.0 | .0 | 97: 1 |
| M003 | 1 | 7605 | R GSFC | .0151 | .0065 | .0094 | .0047 | -.0041 | .0179 | .5 | -.1 | .5 | 89:257 |
| M003 | 1 | 7605 | R SHA | .0084 | .0058 | .0036 | .0047 | -.0037 | .0090 | .4 | -.1 | .3 | 89:257 |
| M006 | 1 | GRAS | TIE10002 | .0023 | -.0008 | .0059 | -.0011 | .0027 | .0056 | -.4 | .9 | 1.8 | 97: 1 |
| M006 | 1 | GRAS | P CODE | -.0018 | -.0019 | .0037 | -.0017 | .0040 | .0011 | -.7 | 1.1 | .3 | 97:340 |
| M006 | 1 | GRAS | P IGS | -.0022 | -.0002 | -.0025 | .0000 | -.0003 | -.0033 | .0 | -.1 | -1.5 | 98:177 |
| M006 | 1 | GRAS | P1 JPL | .0000 | .0002 | -.0010 | .0002 | -.0008 | -.0007 | .1 | -.3 | -.3 | 97:257 |
| M006 | 1 | GRAS | P NCL | -.0039 | -.0018 | -.0071 | -.0013 | -.0023 | -.0078 | -.5 | -.2 | -.7 | 96:252 |
| M006 | 1 | GRAS | P NOAA | -.0010 | -.0006 | -.0004 | -.0004 | .0005 | -.0011 | -.2 | .2 | -.4 | 97:296 |
| M006 | 1 | GRAS | P EUR | -.0016 | .0002 | -.0013 | .0004 | .0002 | -.0020 | .5 | .1 | -.7 | 98: 97 |
| M006 | 1 | GRAS | P1 IGN | -.0004 | -.0001 | .0000 | .0000 | .0002 | -.0003 | -.1 | .2 | -.3 | 98:317 |
| M006 | 1 | GRAS | P REGAL | -.0005 | .0006 | .0002 | .0006 | .0004 | -.0002 | .7 | .2 | -.1 | 98:338 |
| S001 | 1 | 7835 | TIE10002 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0 | .0 | .0 | 97: 1 |
| S001 | 1 | 7835 | L AUS | -.0040 | -.0030 | .0007 | -.0025 | .0035 | -.0026 | -.5 | .7 | -.5 | 98:294 |
| S001 | 1 | 7835 | L CGS | -.0064 | .0103 | -.0120 | .0110 | -.0051 | -.0120 | 1.9 | -1.0 | -2.4 | 93: 97 |
| S001 | 1 | 7835 | L CRL | -.0324 | -.0030 | -.0173 | .0009 | .0100 | -.0354 | .2 | 1.0 | -3.5 | 91: 76 |
| S001 | 1 | 7835 | L4 CSR | -.0102 | .0028 | -.0107 | .0041 | -.0009 | -.0144 | 1.5 | -.2 | -2.9 | 92:104 |
| S001 | 1 | 7835 | L DEOS | .0043 | .0003 | .0148 | -.0003 | .0077 | .0133 | .0 | 1.4 | 2.4 | 92:216 |
| S001 | 1 | 7835 | L DGFI | .0005 | -.0001 | .0143 | -.0002 | .0100 | .0103 | .0 | 2.0 | 2.1 | 93:196 |
| S001 | 1 | 7835 | L JCET | .0009 | -.0006 | .0017 | -.0007 | .0006 | .0018 | -.6 | .3 | .8 | 97:101 |
| S001 | 1 | 7835 | C GRIM | -.0028 | -.0053 | -.0076 | -.0050 | -.0031 | -.0077 | -1.0 | -1.1 | -2.8 | 93: 1 |
| S001 | 1 | 7835 | C1 CSR | -.0001 | -.0009 | -.0040 | -.0008 | -.0028 | -.0029 | -.6 | -1.0 | -1.1 | 96:355 |
| S002 | 1 | 7845 | TIE10002 | -.0028 | -.0036 | .0027 | -.0032 | .0042 | -.0004 | -1.0 | 1.3 | -.1 | 97: 1 |
| S002 | 1 | 7845 | M FSG | -.0008 | .0054 | .0018 | .0055 | .0015 | .0012 | .1 | .1 | .1 | 93: 1 |
| S002 | 1 | 7845 | L AUS | .0048 | -.0017 | .0014 | -.0023 | -.0022 | .0042 | -.2 | -.3 | .5 | 99:251 |
| S002 | 1 | 7845 | L CGS | .0024 | .0119 | -.0008 | .0116 | -.0032 | .0022 | 1.2 | -.2 | .2 | 97: 1 |
| S002 | 1 | 7845 | L CRL | -.0113 | .0006 | .0044 | .0019 | .0108 | -.0050 | .1 | .3 | -.1 | 99:125 |
| S002 | 1 | 7845 | L4 CSR | .0097 | .0029 | .0045 | .0017 | -.0037 | .0103 | .2 | -.2 | .6 | 98:347 |
| S002 | 1 | 7845 | L DEOS | -.0019 | -.0018 | -.0011 | -.0015 | .0007 | -.0023 | -.1 | .1 | -.2 | 93: 1 |
| S002 | 1 | 7845 | L DGFI | -.0053 | -.0025 | .0056 | -.0018 | .0079 | -.0002 | -.2 | .9 | .0 | 94:322 |
| S002 | 1 | 7845 | C GRIM | -.0047 | .0004 | -.0209 | .0010 | -.0119 | -.0178 | .2 | -1.1 | -1.7 | 92: 69 |
| S002 | 1 | 7845 | C1 CSR | .0003 | .0000 | -.0039 | -.0001 | -.0030 | -.0025 | .0 | -.3 | -.3 | 98:331 |

| | | | | RVX m/y | RVY m/y | RVZ m/y | RVE m/y | RVN m/y | RVU m/y | NVE | NVN | NVU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Velocities | | | | | | | | | | | | |
| M003 | 1 | 7605 | R GSFC | -.1647 | -.7036 | .1736 | -.6786 | .2971 | -.0593 | -.5 | .2 | .0 |
| M003 | 1 | 7605 | R SHA | -.0041 | -.0229 | .0076 | -.0222 | .0102 | .0003 | -.1 | .0 | .0 |
| M006 | 1 | GRAS | P CODE | -.0004 | .0003 | -.0020 | .0004 | -.0012 | -.0016 | .3 | -.4 | -.6 |
| M006 | 1 | GRAS | P IGS | .0003 | .0006 | .0004 | .0005 | .0000 | .0006 | .8 | .0 | .3 |
| M006 | 1 | GRAS | P1 JPL | -.0011 | -.0004 | -.0013 | -.0003 | -.0001 | -.0017 | -.3 | -.1 | -.9 |
| M006 | 1 | GRAS | P NCL | .0002 | -.0006 | .0008 | -.0006 | .0004 | .0006 | -.6 | .2 | .3 |
| M006 | 1 | GRAS | P NOAA | -.0022 | -.0002 | -.0005 | .0001 | .0012 | -.0019 | .1 | .6 | -1.1 |
| M006 | 1 | GRAS | P EUR | -.0002 | .0000 | .0003 | .0000 | .0003 | .0000 | .0 | .1 | .0 |
| M006 | 1 | GRAS | P1 IGN | -.0003 | -.0003 | .0001 | -.0003 | .0003 | -.0002 | -.6 | .2 | -.1 |
| M006 | 1 | GRAS | P REGAL | .0002 | .0005 | .0006 | .0005 | .0002 | .0006 | .7 | .1 | .3 |
| S001 | 1 | 7835 | L AUS | .0009 | -.0011 | -.0006 | -.0012 | -.0009 | .0001 | -.4 | -.4 | .0 |
| S001 | 1 | 7835 | L CGS | -.0012 | -.0008 | .0005 | -.0007 | .0012 | -.0005 | -.4 | 1.1 | -.5 |
| S001 | 1 | 7835 | L CRL | .0037 | .0000 | .0029 | -.0004 | -.0004 | .0047 | -.1 | -.1 | 1.0 |
| S001 | 1 | 7835 | L4 CSR | -.0007 | -.0006 | -.0010 | -.0005 | -.0002 | -.0012 | -.6 | -.2 | -1.0 |
| S001 | 1 | 7835 | L DEOS | .0037 | -.0011 | -.0015 | -.0016 | -.0036 | .0015 | -.8 | -1.1 | .5 |
| S001 | 1 | 7835 | L DGFI | .0008 | -.0012 | .0001 | -.0013 | -.0004 | .0005 | -.8 | -.3 | .3 |
| S001 | 1 | 7835 | L JCET | .0016 | .0001 | -.0003 | -.0001 | -.0013 | .0010 | -.2 | -1.2 | .9 |
| S001 | 1 | 7835 | C GRIM | -.0010 | -.0895 | .0114 | -.0887 | .0163 | -.0006 | -.1 | .0 | .0 |
| S001 | 1 | 7835 | C1 CSR | .0004 | .0002 | .0001 | .0002 | -.0003 | .0004 | .2 | -.2 | .3 |
| S002 | 1 | 7845 | M FSG | .0000 | .0002 | .0004 | .0002 | .0003 | .0003 | .1 | .1 | .1 |
| S002 | 1 | 7845 | L AUS | -.0142 | .0253 | .0129 | .0268 | .0169 | .0010 | 1.6 | 1.1 | .1 |
| S002 | 1 | 7845 | L CGS | -.0155 | .0068 | .0132 | .0086 | .0197 | -.0014 | .0 | .0 | .0 |
| S002 | 1 | 7845 | L CRL | .0085 | .0004 | .0080 | -.0006 | -.0001 | .0117 | .0 | .0 | .4 |
| S002 | 1 | 7845 | L4 CSR | -.0001 | .0001 | .0013 | .0001 | .0010 | .0008 | .0 | .1 | .1 |
| S002 | 1 | 7845 | L DEOS | .0389 | -.0083 | -.0379 | -.0129 | -.0534 | .0010 | .0 | .0 | .0 |

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S002 1 7845 L DGFI       .0008 -.0012  .0001 -.0013 -.0004  .0005  -.8  -.3   .3
S002 1 7845 C GRIM       .0009 -.0042  .0020 -.0043  .0012  .0016 -1.4  1.7  2.2
S002 1 7845 C1 CSR      -.0008 -.0011 -.0017 -.0010 -.0006 -.0019  -.1   .0  -.1

10003 TOULOUSE

Positions
M003 1 7608 TIE10003     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M003 1 7608 R GSFC       .0250 -.0006  .0228 -.0012 -.0007  .0338  -.2   .0   .9 92:133
M003 1 7608 R SHA        .0233  .0000  .0208 -.0006 -.0010  .0312  -.1   .0   .9 92:133
M004 1 TOUL TIE10003    -.0030 -.0019 -.0049 -.0019 -.0015 -.0056  -.6  -.5 -1.8 97:  1
M004 1 TOUL P CODE      -.0007 -.0016  .0032 -.0015  .0028  .0017  -.5   .5   .3 99: 15
M004 1 TOUL P IGS       -.0011 -.0006 -.0014 -.0006 -.0002 -.0017  -.4  -.1  -.5 99:139
M004 1 TOUL P1 JPL       .0031  .0001  .0028  .0000 -.0001  .0042   .0   .0  1.1 98:282
M004 1 TOUL P NOAA       .0024  .0007  .0033  .0006  .0007  .0040   .3   .2  1.4 98:148
M004 1 TOUL P EUR       -.0020  .0005 -.0015  .0005  .0003 -.0025   .7   .1  -.7 98:244
M004 1 TOUL P1 IGN       .0001 -.0002 -.0001 -.0002 -.0002  .0000  -.7  -.2   .0 98:282
M004 1 TOUL P REGAL      .0016 -.0010 -.0004 -.0011 -.0014  .0009 -1.0  -.5   .3 99: 71
S001 1 TLSA TIE10003     .0033  .0015  .0049  .0014  .0012  .0058   .5   .4  1.8 97:  1
S001 1 TLSA D GRGS      -.0077 -.0029 -.0297 -.0027 -.0161 -.0261  -.1 -1.1 -1.7 95: 61
S001 1 TLSA D9 IGN      -.0134 -.0116 -.0249 -.0112 -.0087 -.0271  -.5  -.4 -1.3 95: 32
S001 1 TLSA C GRIM      -.0114  .0092 -.0205  .0095 -.0071 -.0222   .2  -.3  -.9 93:  1
S001 1 TLSA C1 CSR      -.0030 -.0094 -.0053 -.0093 -.0016 -.0060 -1.3  -.3 -1.0 95: 52
S003 1 TLHA TIE10003     .0059  .0014  .0047  .0013 -.0007  .0075   .3  -.2  1.7 97:  1
S003 1 TLHA D GRGS      -.0075  .0021 -.0294  .0023 -.0162 -.0256   .1  -.5  -.9 98:116
S003 1 TLHA D9 IGN      -.0118 -.0090 -.0211 -.0087 -.0070 -.0232  -.2  -.2  -.8 98:347
S003 1 TLHA C GRIM      -.0423  .0045 -.0054  .0056  .0251 -.0342   .1  1.2 -1.6 98:134
S003 1 TLHA C1 CSR      -.0106 -.0007 -.0029 -.0004  .0053 -.0097   .0   .6 -1.1 98:339

Velocities
M003 1 7608 R GSFC       .1373 -.5320 -.3362 -.5354 -.3288 -.1422  -.3  -.2  -.1
M003 1 7608 R SHA        .0001 -.0108 -.0056 -.0108 -.0040 -.0040   .0   .0   .0
M004 1 TOUL P CODE      -.0023  .0009 -.0044  .0010 -.0017 -.0047   .5  -.2  -.6
M004 1 TOUL P IGS       -.0028 -.0002 -.0029 -.0002 -.0002 -.0040  -.1   .0 -1.1
M004 1 TOUL P1 JPL      -.0042  .0003 -.0041  .0004 -.0001 -.0059   .2   .0 -1.2
M004 1 TOUL P NOAA      -.0046  .0002 -.0025  .0003  .0014 -.0051   .2   .4 -1.6
M004 1 TOUL P EUR       -.0035 -.0005 -.0032 -.0004  .0000 -.0047  -.5   .0  -.9
M004 1 TOUL P1 IGN      -.0012 -.0004 -.0012 -.0003  .0000 -.0017 -1.0   .0 -1.5
M004 1 TOUL P REGAL     -.0025  .0000 -.0018  .0000  .0004 -.0031   .0   .1 -1.0
S001 1 TLSA D GRGS      -.0032  .0004 -.0013  .0005  .0013 -.0032   .0   .1  -.3
S001 1 TLSA D9 IGN       .0005  .0050 -.0042  .0050 -.0034 -.0024   .2  -.2  -.1
S001 1 TLSA C GRIM      -.0116 -.0907  .0101 -.0904  .0170 -.0031  -.1   .0   .0
S001 1 TLSA C1 CSR      -.0017  .0087 -.0013  .0087  .0001 -.0019  1.5   .0  -.4
S003 1 TLHA D GRGS      -.0032  .0004 -.0013  .0005  .0013 -.0032   .0   .1  -.3
S003 1 TLHA D9 IGN      -.0051 -.0139  .0121 -.0138  .0125  .0043  -.3   .4   .1
S003 1 TLHA C GRIM      -.0052 -.0009 -.0013 -.0008  .0027 -.0046  -.1   .3  -.5
S003 1 TLHA C1 CSR      -.0084 -.0011  .0105 -.0009  .0134  .0011  -.1  1.2   .1

10004 BREST

Positions
M002 1 7604 TIE10004     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7604 R GSFC      -.0218  .0000 -.0223 -.0017  .0014 -.0311  -.3   .0  -.9 89:245
M002 1 7604 R SHA       -.0220 -.0003 -.0208 -.0020  .0026 -.0301  -.2   .1  -.9 89:245
M002 1 7604 P1 IGN       .0065 -.0009  .0056 -.0004 -.0012  .0086  -.3  -.2  1.6 98:215
M004 1 BRST TIE10004     .0092  .0006 -.0043  .0013 -.0097  .0029   .3 -2.2   .6 97:  1
M004 1 BRST P EUR       -.0037  .0007 -.0037  .0004  .0003 -.0053   .3   .1 -1.0 99:187
M004 1 BRST P1 IGN      -.0010 -.0006 -.0016 -.0006 -.0004 -.0018  -.7  -.1  -.4 99:169

Velocities
M002 1 7604 R GSFC       .3395  .5385 -.5514  .5635 -.5875 -.2158   .5  -.4  -.1
M002 1 7604 R SHA        .0131  .0249 -.0174  .0259 -.0198 -.0056   .1  -.1   .0
M002 1 7604 P1 IGN      -.0027 -.0002 -.0031 -.0004  .0000 -.0041  -.3   .0  -.6
M004 1 BRST P EUR        .0003 -.0011  .0038 -.0011  .0023  .0031  -.3   .1   .2
M004 1 BRST P1 IGN      -.0027 -.0002 -.0031 -.0004 -.0001 -.0041  -.3   .0  -.6

10011 SAINT-MICHEL DE

Positions
M001 1 MICH P1 IGN       .0005 -.0003  .0004 -.0004  .0000  .0006  -.7   .0   .3 99:160
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M001 1 MICH P REGAL      .0002  .0008  .0008  .0007  .0004  .0007  1.0   .2   .3 99:175

Velocities
M001 1 MICH P1 IGN       .0003 -.0001  .0008 -.0001  .0004  .0008  -.2   .1   .2
M001 1 MICH P REGAL      .0001 -.0004  .0007 -.0004  .0004  .0006  -.3   .1   .1

10073 MARSEILLE

Positions
M008 1 MARS P EUR       -.0036 -.0002 -.0030  .0001  .0003 -.0047   .1   .1 -1.0 99:145
M008 1 MARS P1 IGN       .0013 -.0003  .0013 -.0004  .0001  .0018  -.8   .0   .8 99:161
M008 1 MARS P REGAL     -.0002  .0010  .0004  .0010  .0004  .0001  1.1   .1   .1 99:147

Velocities
M008 1 MARS P EUR       -.0035  .0001 -.0020  .0004  .0010 -.0039   .2   .1  -.3
M008 1 MARS P1 IGN       .0021  .0000  .0023 -.0002  .0003  .0031  -.2   .1   .8
M008 1 MARS P REGAL     -.0023 -.0007 -.0013 -.0005  .0006 -.0026  -.3   .1  -.5

10077 AJACCIO

Positions
M005 1 AJAC P1 IGN       .0016 -.0001  .0020 -.0003  .0005  .0025  -.2   .1   .3  0: 38

Velocities
M005 1 AJAC P1 IGN      -.0077 -.0033 -.0117 -.0021 -.0033 -.0138   .0   .0  -.1

10090 SAINT JEAN DES V

Positions
M001 1 SJDV P CODE       .0007 -.0013  .0039 -.0013  .0023  .0032  -.4   .4   .6 99: 62
M001 1 SJDV P IGS       -.0012 -.0005 -.0007 -.0004  .0004 -.0013  -.3   .1  -.2 99:172
M001 1 SJDV P EUR       -.0007  .0002 -.0007  .0003  .0000 -.0010   .3   .0  -.2 99: 94
M001 1 SJDV P1 IGN       .0014 -.0002  .0013 -.0003 -.0001  .0019  -.8  -.1  1.1 98:318
M001 1 SJDV P REGAL     -.0008 -.0002 -.0024 -.0001 -.0011 -.0023  -.1  -.5 -1.1 99: 94

Velocities
M001 1 SJDV P CODE      -.0001  .0010 -.0029  .0010 -.0019 -.0021   .4  -.2  -.2
M001 1 SJDV P IGS        .0003 -.0001  .0002 -.0001  .0000  .0004   .0   .0   .0
M001 1 SJDV P EUR       -.0051 -.0015 -.0054 -.0011 -.0001 -.0075  -.5   .0  -.7
M001 1 SJDV P1 IGN       .0003 -.0003  .0006 -.0003  .0002  .0006  -.5   .1   .2
M001 1 SJDV P REGAL      .0011  .0000  .0012  .0000  .0001  .0016   .0   .0   .5

10091 LE MANS

Positions
M001 1 MANS P1 IGN      -.0001 -.0004 -.0012 -.0004 -.0007 -.0010  -.7  -.3  -.3 99: 54
M001 1 MANS P REGAL      .0030 -.0016  .0041 -.0016  .0005  .0051  -.8   .1  1.3 99:287

Velocities
M001 1 MANS P1 IGN      -.0012 -.0001 -.0024 -.0001 -.0007 -.0026  -.2  -.2  -.6
M001 1 MANS P REGAL     -.0176 -.0050 -.0189 -.0050  .0005 -.0259  -.8   .0 -1.8

10092 MARNE LA VALLEE

Positions
M001 1 MLVL P1 IGN       .0003 -.0004  .0001 -.0004 -.0002  .0002  -.8  -.1   .1 99: 24

Velocities
M001 1 MLVL P1 IGN      -.0007 -.0003 -.0009 -.0003  .0000 -.0012  -.4   .0  -.3

10095 CADARACHE-GINASS

Positions
M001 1 GINA P1 IGN       .0008 -.0002  .0005 -.0003 -.0002  .0009  -.6  -.1   .5 99: 17
M001 1 GINA P REGAL     -.0004  .0007  .0002  .0008  .0004 -.0001  1.1   .2   .0 99:106

Velocities
M001 1 GINA P1 IGN       .0002 -.0002  .0008 -.0002  .0005  .0007  -.4   .2   .3
M001 1 GINA P REGAL      .0007 -.0002  .0008 -.0003  .0001  .0010  -.3   .0   .3
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10096 MODANE-AVRIEUX

Positions
M001 1 MODA P1 IGN       .0004 -.0004  .0004 -.0004  .0000  .0005  -.7   .0   .2 99:213
M001 1 MODA P REGAL       .0007  .0007  .0006  .0006 -.0001  .0009   .8   .0   .4 99:221

Velocities
M001 1 MODA P1 IGN        .0014  .0000  .0015 -.0002  .0001  .0021  -.2   .0   .4
M001 1 MODA P REGAL      -.0006 -.0001 -.0003  .0000  .0002 -.0006   .0   .0  -.1

10097 MONTPELLIER

Positions
M001 1 MTPL P1 IGN        .0012 -.0003  .0014 -.0004  .0002  .0019  -.5   .1   .6 99:305
M001 1 MTPL P REGAL      -.0004 -.0001 -.0003 -.0001  .0001 -.0005  -.1   .0  -.2 99:297

Velocities
M001 1 MTPL P1 IGN       -.0014 -.0005 -.0009 -.0004  .0003 -.0017  -.2   .0  -.1
M001 1 MTPL P REGAL       .0007  .0006  .0010  .0005  .0002  .0012   .1   .0   .1

10098 LA FECLAZ

Positions
M001 1 FCLZ P REGAL       .0001  .0003 -.0007  .0003 -.0006 -.0004   .4  -.3  -.2 99:145

Velocities
M001 1 FCLZ P REGAL       .0005  .0002  .0006  .0001  .0001  .0008   .1   .0   .2

10099 CHATEL

Positions
M001 1 CHTL P REGAL       .0001  .0004 -.0003  .0004 -.0003 -.0002   .5  -.1  -.1 99:342

Velocities
M001 1 CHTL P REGAL       .0000  .0000 -.0001  .0000 -.0001 -.0001   .0   .0   .0

10202 REYKJAVIK

Positions
M001 1 REYK TIE10202      .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 REYK P CODE        .0019 -.0008  .0058  .0000  .0007  .0061   .0   .2  1.4 98: 17
M001 1 REYK P GFZ         .0013 -.0011  .0016 -.0006 -.0008  .0022  -.3  -.3   .5 98:360
M001 1 REYK P IGS         .0004 -.0008 -.0005 -.0006 -.0008 -.0001  -.7  -.7  -.1 98: 83
M001 1 REYK P1 JPL       -.0017 -.0003 -.0009 -.0009  .0009 -.0015  -.6   .4  -.5 97:352
M001 1 REYK P NCL        -.0002 -.0010  .0001 -.0010 -.0001  .0002  -.7  -.1   .1 98: 25
M001 1 REYK P NOAA       -.0039 -.0006 -.0016 -.0020  .0024 -.0029  -.4   .4  -.3 99:156
M001 1 REYK P EUR         .0003  .0006  .0013  .0006  .0005  .0012   .7   .3   .5 98:194
S001 1 REYA TIE10202      .0034 -.0055  .0024 -.0038 -.0037  .0045  -.9  -.8  1.0 97:  1
S001 1 REYA D GRGS       -.0014  .0231 -.0080  .0209  .0055 -.0116  1.4   .4  -.8 95:341
S001 1 REYA D9 IGN       -.0416 -.0012  .0020 -.0167  .0352 -.0148  -.9  1.9  -.7 95:273
S001 1 REYA C GRIM        .0088  .0229 -.0286  .0245 -.0121 -.0259   .9  -.4  -.9 93:  1
S002 1 REYB TIE10202      .0032 -.0027  .0011 -.0013 -.0031  .0027  -.4 -1.0   .9 97:  1
S002 1 REYB D GRGS       -.0285  .0078 -.0262 -.0034  .0150 -.0364  -.1   .3  -.7 98:205
S002 1 REYB D9 IGN       -.0543 -.0278 -.0121 -.0461  .0307 -.0283 -1.4   .9  -.8 99:170
S002 1 REYB C GRIM       -.0514  .0075  .0117 -.0123  .0506 -.0114  -.4  2.1  -.5 99: 28
S002 1 REYB C1 CSR       -.0177 -.0053 -.0002 -.0115  .0129 -.0065  -.9   .8  -.4 99:152

Velocities
M001 1 REYK P CODE       -.0009  .0005 -.0045  .0001 -.0011 -.0045   .1  -.5 -1.3
M001 1 REYK P GFZ         .0029 -.0005  .0023  .0007 -.0016  .0033   .3  -.5   .7
M001 1 REYK P IGS         .0016  .0001  .0013  .0007 -.0007  .0018  1.1  -.8  1.3
M001 1 REYK P1 JPL        .0004  .0008  .0015  .0008  .0006  .0013   .5   .3   .4
M001 1 REYK P NCL        -.0008 -.0010  .0005 -.0012  .0005  .0003 -1.1   .3   .1
M001 1 REYK P NOAA       -.0014  .0033 -.0015  .0025  .0016 -.0024  1.0   .5  -.5
M001 1 REYK P EUR        -.0006 -.0009 -.0003 -.0011  .0001 -.0004 -1.3   .0  -.2
S001 1 REYA D GRGS        .0006  .0005  .0011  .0007  .0002  .0012   .1   .0   .1
S001 1 REYA D9 IGN        .0091  .0032 -.0036  .0064 -.0081 -.0001   .6  -.7   .0
S001 1 REYA C GRIM       -.0457 -.0623  .0087 -.0749  .0209 -.0005  -.1   .0   .0
S002 1 REYB D GRGS        .0006  .0005  .0011  .0007  .0002  .0012   .1   .0   .1
S002 1 REYB D9 IGN        .0299  .0078 -.0045  .0184 -.0243  .0068   .2  -.3   .1
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S002 1 REYB C GRIM       .0023 -.0005  .0040  .0004 -.0003  .0046   .0   .0   .6
S002 1 REYB C1 CSR      -.0135  .0257  .0008  .0188  .0203 -.0089   .5   .4  -.2

10204 HOFN

Positions
M001 1 7635 R GSFC       .0007  .0004  .0025  .0006  .0005  .0025   .1   .0   .1 92:208
M001 1 7635 R SHA        .0010  .0000  .0003  .0003 -.0008  .0007   .0   .0   .0 92:208
M002 1 HOFN P CODE      -.0001 -.0011  .0026 -.0011  .0010  .0024  -.4   .3   .5 98:269
M002 1 HOFN P IGS       -.0023  .0004 -.0042 -.0003  .0003 -.0048  -.2   .1 -1.6 98:338
M002 1 HOFN P NOAA       .0066  .0023  .0043  .0039 -.0033  .0064  1.8 -1.2  1.7 98:287
M002 1 HOFN P EUR        .0019 -.0009  .0081 -.0004  .0017  .0082  -.4   .6  2.0 98:348

Velocities
M001 1 7635 R GSFC      -.2703 -.1754 -.3593 -.2402  .0376 -.4170  -.3   .0  -.2
M001 1 7635 R SHA       -.0144 -.0164  .0076 -.0196  .0119  .0027  -.1   .1   .0
M002 1 HOFN P CODE      -.0002  .0003 -.0042  .0003 -.0016 -.0039   .2  -.5  -.8
M002 1 HOFN P IGS        .0003  .0001 -.0002  .0002 -.0003 -.0001   .2  -.1   .0
M002 1 HOFN P NOAA       .0001 -.0001  .0025 -.0001  .0010  .0023   .0   .3   .4
M002 1 HOFN P EUR        .0011 -.0010  .0017 -.0007 -.0004  .0021  -.4  -.1   .3

10302 TROMSO

Positions
M002 1 7602 TIE10302    -.0001  .0023 -.0002  .0022 -.0007  .0001  2.3  -.7   .1 97:  1
M002 1 7602 R GSFC      -.0060 -.0085 -.0186 -.0061  .0015 -.0204 -1.0   .1 -1.0 91:174
M002 1 7602 R SHA       -.0041 -.0087 -.0165 -.0069  .0005 -.0178  -.8   .0  -.9 91:196
M002 1 7602 L CGS       -.0099 -.0039  .0211 -.0005  .0173  .0161   .0   .5   .3 97:  1
M002 1 7602 L4 CSR      -.0041  .0319  .0005  .0315 -.0059  .0027  1.0  -.1   .0 90:244
M002 1 7602 C GRIM      -.0211  .0231 -.0463  .0287 -.0044 -.0478   .9  -.1  -.5 90:256
M003 1 TROM TIE10302     .0001 -.0023  .0002 -.0022  .0007 -.0001 -2.3   .7  -.1 97:  1
M003 1 TROM P CODE       .0002 -.0020  .0034 -.0019  .0016  .0030  -.6   .3   .3 96: 49
M003 1 TROM P GFZ       -.0086 -.0020 -.0105  .0009  .0046 -.0129   .3  1.2 -1.9 94:337
M003 1 TROM P IGS        .0005 -.0017  .0007 -.0018  .0003  .0007 -1.5   .2   .2 97:288
M003 1 TROM P1 JPL       .0003  .0024  .0020  .0022 -.0003  .0022  1.9  -.2   .8 95:188
M003 1 TROM P NCL        .0001 -.0011 -.0005 -.0010  .0001 -.0005  -.6   .0  -.1 97:215
M003 1 TROM P NOAA      -.0029 -.0016 -.0068 -.0006  .0007 -.0075  -.2   .2 -1.3 99: 24
M003 1 TROM P EUR       -.0002  .0036 -.0030  .0034 -.0019 -.0024   .8  -.2  -.1 96:348
M006 1 TRO1 P CODE       .0008 -.0022 -.0037 -.0023 -.0014 -.0034  -.8  -.3  -.5 99:131
M006 1 TRO1 P GFZ        .0011  .0011  .0033  .0007 -.0002  .0036   .4  -.1   .8 99:111
M006 1 TRO1 P IGS        .0004 -.0001  .0008 -.0002  .0000  .0008  -.2   .0   .3 99:349
M006 1 TRO1 P EUR        .0012 -.0037 -.0086 -.0038 -.0029 -.0081 -1.5  -.5  -.6 98:253
M006 2 TRO1 P EUR       -.0016 -.0008 -.0042 -.0003  .0002 -.0046  -.2   .0  -.6 99:228
S010 1 TROA TIE10302    -.0001  .0023 -.0002  .0022 -.0007  .0001   .7  -.2   .0 97:  1

Velocities
M002 1 7602 R GSFC       .0011 -.0125 -.0043 -.0121  .0014 -.0050 -2.6   .2  -.4
M002 1 7602 R SHA        .0021 -.0122 -.0028 -.0123  .0009 -.0033 -2.8   .1  -.3
M002 1 7602 L CGS       -.0193  .0015  .0087  .0077  .0197  .0020   .0   .0   .0
M002 1 7602 L4 CSR       .0342  .0465 -.0456  .0329 -.0604 -.0262   .1  -.1   .0
M002 1 7602 C GRIM      -.0982 -.1220  .0903 -.0835  .1556  .0386  -.1   .1   .0
M003 1 TROM P CODE      -.0013  .0011 -.0059  .0014 -.0012 -.0058   .7  -.3  -.7
M003 1 TROM P GFZ        .0025  .0013  .0019  .0004 -.0020  .0027   .3  -.9   .7
M003 1 TROM P IGS        .0004 -.0014 -.0008 -.0014 -.0002 -.0007 -1.8  -.2  -.4
M003 1 TROM P1 JPL      -.0001 -.0007 -.0002 -.0006  .0003 -.0003 -1.1   .3  -.2
M003 1 TROM P NCL       -.0008 -.0014 -.0007 -.0010  .0008 -.0011  -.8   .5  -.4
M003 1 TROM P NOAA       .0005 -.0005  .0001 -.0007 -.0003  .0002  -.4  -.1   .1
M003 1 TROM P EUR       -.0008 -.0001 -.0102  .0001 -.0028 -.0098   .0  -.4  -.6
M006 1 TRO1 P CODE      -.0013  .0011 -.0059  .0014 -.0012 -.0058   .7  -.3  -.7
M006 1 TRO1 P GFZ        .0020  .0014  .0020  .0007 -.0015  .0027   .5  -.7   .7
M006 1 TRO1 P IGS        .0008  .0001  .0020 -.0001  .0000  .0022  -.1   .0   .5
M006 1 TRO1 P EUR       -.0008 -.0001 -.0102  .0001 -.0028 -.0098   .0  -.4  -.6
M006 2 TRO1 P EUR       -.0008 -.0001 -.0102  .0001 -.0028 -.0098   .0  -.4  -.6

10317 NY-ALESUND

Positions
M001 1 NYAL TIE10317     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 NYAL P CODE       .0030 -.0002  .0093 -.0008 -.0011  .0097  -.3  -.3   .9 96:212
M001 1 NYAL P GFZ        .0000 -.0025  .0036 -.0024  .0012  .0034 -1.0   .4   .4 96:297
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M001 1 NYAL P IGS        .0008 -.0011  .0003 -.0012 -.0005  .0004 -1.3  -.4   .1 98:175
M001 1 NYAL P1 JPL       .0005  .0006  .0007  .0005 -.0005  .0008   .4  -.3   .2 96:101
M001 1 NYAL P NCL       -.0003 -.0008  .0001 -.0007  .0005  .0000  -.4   .3   .0 97:351
M001 1 NYAL P NOAA       .0009 -.0004 -.0063 -.0006 -.0020 -.0060  -.3  -.9 -1.4 97:147
M001 1 NYAL P EUR        .0009  .0013  .0059  .0011  .0000  .0060   .6   .0   .3 97:139
M003 1 NYA1 TIE10317     .0020 -.0250 -.0260 -.0249 -.0019 -.0261 -1.2  -.1 -1.3 97:  1
M003 1 NYA1 P CODE       .0023 -.0020 -.0036 -.0024 -.0025 -.0032  -.9  -.7  -.4 99: 91
M003 1 NYA1 P GFZ        .0012  .0010  .0037  .0007 -.0007  .0039   .5  -.3   .7 99: 80
M003 1 NYA1 P IGS        .0002  .0001  .0002  .0001 -.0002  .0002   .1  -.2   .1 99:238
M003 1 NYA1 P EUR       -.0001 -.0009 -.0012 -.0009  .0001 -.0013 -1.0   .0  -.1 99: 83
S002 1 SPIA TIE10317     .0069 -.0113  .0006 -.0124 -.0042  .0014 -3.5 -1.2   .4 97:  1
S002 1 SPIA D GRGS      -.0206 -.0089  .0240 -.0044  .0262  .0193  -.6  3.1  2.4 95:359
S002 1 SPIA D9 IGN       .0354  .0322 -.0244  .0242 -.0452 -.0160  2.1 -3.7 -1.1 95:350
S002 1 SPIA C GRIM      -.0094  .0130 -.0038  .0146  .0056 -.0049  2.2   .9 -1.0 95:275
S002 1 SPIA C1 CSR      -.0277 -.0182 -.0373 -.0121  .0232 -.0426  -.4   .5  -.5 95:325
S003 1 7331 R GSFC       .0010  .0002  .0004  .0000 -.0009  .0005   .0 -1.1   .2 97:  1
S003 1 7331 R SHA        .0010 -.0002  .0013 -.0004 -.0007  .0015  -.3  -.5   .6 96:352
S004 1 SPIB TIE10317     .0068 -.0114  .0003 -.0126 -.0042  .0011 -3.1 -1.0   .3 97:  1
S004 1 SPIB C1 CSR       .1678  .0384 -.2814  .0029 -.2230 -.2431   .0 -1.1  -.7 99:281

Velocities
M001 1 NYAL P CODE      -.0008  .0017 -.0047  .0019 -.0005 -.0047  1.2  -.2  -.5
M001 1 NYAL P GFZ        .0017  .0009  .0021  .0005 -.0014  .0024   .4  -.7   .4
M001 1 NYAL P IGS        .0008 -.0003 -.0023 -.0005 -.0012 -.0021  -.8 -1.4  -.9
M001 1 NYAL P1 JPL       .0001 -.0001  .0003 -.0001  .0000  .0004  -.2   .0   .2
M001 1 NYAL P NCL       -.0007 -.0008 -.0035 -.0006  .0002 -.0036  -.5   .1  -.9
M001 1 NYAL P NOAA      -.0002 -.0001  .0006 -.0001  .0003  .0006  -.1   .2   .2
M001 1 NYAL P EUR        .0006  .0024  .0042  .0022 -.0003  .0044  1.4  -.1   .3
M003 1 NYA1 P CODE      -.0008  .0017 -.0047  .0019 -.0005 -.0047  1.2  -.2  -.5
M003 1 NYA1 P GFZ        .0018  .0012  .0020  .0008 -.0016  .0024   .6  -.8   .4
M003 1 NYA1 P IGS        .0006  .0016  .0011  .0014 -.0007  .0013  1.4  -.5   .3
M003 1 NYA1 P EUR        .0006  .0024  .0042  .0022 -.0003  .0044  1.4  -.1   .3
S002 1 SPIA D GRGS       .0005  .0032  .0026  .0030 -.0006  .0028   .6  -.1   .6
S002 1 SPIA D9 IGN       .0003  .0005 -.0185  .0004 -.0040 -.0181   .1  -.6 -2.2
S002 1 SPIA C GRIM       .0067  .0065  .0037  .0049 -.0071  .0052  1.3 -1.8  1.5
S002 1 SPIA C1 CSR      -.0082  .0041  .0159  .0057  .0101  .0142   .3   .4   .3
S003 1 7331 R GSFC      -.0001 -.0001 -.0006 -.0001  .0000 -.0006  -.6   .0 -1.2
S003 1 7331 R SHA        .0003 -.0001  .0011 -.0002  .0000  .0011  -.2   .0  1.0
S004 1 SPIB C1 CSR      -.0766  .0032  .2526  .0190  .1214  .2337   .0   .1   .1

10329 TRYSIL

Positions
M001 1 7607 R GSFC       .0005  .0002  .0017  .0001  .0004  .0017   .0   .0   .2 92: 88
M001 1 7607 R SHA        .0001  .0003 -.0004  .0002 -.0004 -.0002   .0   .0   .0 92: 97

Velocities
M001 1 7607 R GSFC       .0001 -.0001 -.0003 -.0001 -.0003 -.0003   .0   .0   .0
M001 1 7607 R SHA        .0002  .0000  .0001  .0000 -.0001  .0002   .0   .0   .0

10402 ONSALA

Positions
M004 1 ONSA TIE10402     .0009  .0022 -.0049  .0020 -.0038 -.0034   .5  -.9  -.8 97:  1
M004 1 ONSA P CODE       .0013 -.0020  .0055 -.0022  .0023  .0051 -1.0   .7  1.3 97:331
M004 1 ONSA P GFZ        .0009 -.0012  .0003 -.0014 -.0004  .0006  -.9  -.2   .2 97:329
M004 1 ONSA P IGS        .0006 -.0002  .0002 -.0003 -.0003  .0005  -.4  -.3   .4 98:182
M004 1 ONSA P1 JPL      -.0009  .0002 -.0008  .0004  .0003 -.0011   .4   .2  -.6 96:105
M004 1 ONSA P NCL        .0000 -.0008  .0002 -.0008  .0002  .0001  -.6   .2   .0 98:109
M004 1 ONSA P NOAA      -.0014  .0013 -.0022  .0016 -.0003 -.0025   .9  -.1 -1.1 97:235
M004 1 ONSA P EUR        .0005  .0002  .0004  .0001 -.0003  .0006   .1  -.1   .2 98:176
M006 1 7211 TIE10402     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M006 1 7211 R GSFC       .0022  .0022 -.0008  .0017 -.0026  .0008   .2  -.1   .0 92:121
S002 1 7213 TIE10402     .0003  .0004 -.0002  .0003 -.0004  .0000   .1  -.1   .0 97:  1
S002 1 7213 R GIUB       .0002  .0000 -.0030 -.0001 -.0018 -.0024   .0  -.8 -1.1 95:264
S002 1 7213 R GSFC       .0030  .0008  .0052  .0001  .0002  .0061   .2   .1  3.0 94:344
S002 1 7213 R SHA        .0037  .0002  .0028 -.0005 -.0016  .0043  -.4  -.7  1.8 96:307

Velocities
M004 1 ONSA P CODE       .0016  .0006 -.0005  .0002 -.0017  .0005   .2  -.8   .2
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M004 1 ONSA P GFZ        .0031  .0014  .0029  .0007 -.0012  .0042  1.0 -1.1  3.3
M004 1 ONSA P IGS        .0025  .0006  .0027  .0001 -.0007  .0037   .1  -.8  4.1
M004 1 ONSA P1 JPL       .0000  .0008  .0003  .0008  .0000  .0003  1.7   .1   .3
M004 1 ONSA P NCL        .0022  .0003  .0035 -.0001  .0001  .0041  -.1   .0  2.5
M004 1 ONSA P NOAA      -.0001  .0008  .0018  .0008  .0009  .0015   .7   .7  1.1
M004 1 ONSA P EUR        .0027  .0002  .0035 -.0004 -.0004  .0044  -.5  -.2  1.5
M006 1 7211 R GSFC       .1168 -.0004 -.1229 -.0245 -.1624 -.0419   .0  -.1   .0
S002 1 7213 R GIUB       .0006  .0000 -.0002 -.0001 -.0006  .0002  -.1  -.7   .2
S002 1 7213 R GSFC      -.0005 -.0001 -.0004  .0000  .0002 -.0006   .1   .9 -2.3
S002 1 7213 R SHA        .0002 -.0001 -.0003 -.0002 -.0003 -.0001  -.1  -.3  -.1

10403 KIRUNA

Positions
M002 1 KIRU P CODE       .0000 -.0027 -.0016 -.0025  .0003 -.0018 -1.0   .1  -.3 98:257
M002 1 KIRU P IGS       -.0004 -.0003 -.0005 -.0002  .0003 -.0006  -.2   .2  -.2 98: 36
M002 1 KIRU P1 JPL       .0012  .0006  .0018  .0001 -.0006  .0022   .1  -.3   .7 96:238
M002 1 KIRU P NCL        .0004 -.0009  .0008 -.0009  .0003  .0008  -.7   .1   .2 97:293
M002 1 KIRU P NOAA      -.0004 -.0014 -.0041 -.0012 -.0008 -.0042  -.6  -.3 -1.3 97:163
M002 1 KIRU P EUR        .0011  .0006  .0021  .0002 -.0004  .0024   .1  -.1   .4 98:222

Velocities
M002 1 KIRU P CODE      -.0001 -.0001 -.0060  .0000 -.0022 -.0056   .0  -.6  -.9
M002 1 KIRU P IGS        .0004  .0006 -.0004  .0004 -.0006 -.0001   .5  -.5  -.1
M002 1 KIRU P1 JPL       .0001  .0005  .0011  .0005  .0001  .0012   .6   .1   .7
M002 1 KIRU P NCL       -.0004 -.0017 -.0009 -.0014  .0006 -.0012 -1.2   .3  -.4
M002 1 KIRU P NOAA      -.0006  .0003  .0011  .0005  .0008  .0009   .4   .5   .4
M002 1 KIRU P EUR        .0008 -.0001  .0009 -.0004 -.0003  .0011  -.3  -.1   .2

10405 MARTSBO

Positions
M002 1 MAR6 P EUR       -.0006 -.0002 -.0007 -.0001  .0002 -.0009  -.1   .1  -.3 98:293

Velocities
M002 1 MAR6 P EUR       -.0003 -.0002 -.0002 -.0001  .0002 -.0003  -.1   .1  -.1

10422 KIRUNA/ESRANGE

Positions
M001 1 KIR0 P EUR       -.0005 -.0004 -.0014 -.0002  .0001 -.0015  -.1   .0  -.3 98:294

Velocities
M001 1 KIR0 P EUR       -.0006 -.0003 -.0006 -.0001  .0004 -.0009  -.1   .1  -.1

10423 VISBY

Positions
M001 1 VIS0 P EUR       -.0008 -.0003 -.0007  .0000  .0003 -.0011   .0   .1  -.3 98:297

Velocities
M001 1 VIS0 P EUR       -.0002 -.0002 -.0002 -.0001  .0001 -.0003  -.1   .0  -.1

10424 VILHELMINA

Positions
M001 1 VIL0 P EUR       -.0002 -.0001 -.0002 -.0001  .0001 -.0003  -.1   .1  -.1 98:307

Velocities
M001 1 VIL0 P EUR       -.0003 -.0002 -.0002 -.0001  .0003 -.0003  -.1   .1  -.1

10503 METSAHOVI

Positions
M002 1 7601 TIE10503     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7601 R GSFC      -.0138 -.0057 -.0267  .0005 -.0003 -.0306   .0   .0  -.5 89:189
M002 1 7601 R SHA       -.0084 -.0044 -.0167 -.0006 -.0001 -.0192   .0   .0  -.4 89:190
S001 1 7805 TIE10503    -.0007  .0001 -.0007  .0003  .0001 -.0009   .1   .0  -.2 97:  1
S001 1 7805 L AUS       -.0172 -.0142  .0075 -.0058  .0224 -.0042  -.1   .4  -.1 96:304
S001 1 7805 L CGS        .0302  .0055 -.0363 -.0074 -.0439 -.0168  -.3 -1.1  -.3 94:318
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S001 1 7805 L CRL        .0477 -.0146 -.0186 -.0330 -.0418  .0024  -.5  -.4   .0 95:  5
S001 1 7805 L4 CSR      -.0069 -.5047 -.0069 -.4568  .1829 -.1126 -1.4   .3  -.1 87:201
S001 1 7805 L DEOS       .0632  .0683 -.0293  .0361 -.0889  .0172   .2  -.6   .1 95: 10
S001 1 7805 C GRIM       .0387 -.0171  .1421 -.0315  .0461  .1373  -.5   .6  1.7 93:  1
S001 1 7805 C1 CSR       .0359  .0273  .0537  .0100 -.0115  .0685   .6  -.4  2.1 96:302
S011 1 METS TIE10503     .0044 -.0048  .0017 -.0062 -.0009  .0025 -1.5  -.2   .6 97:  1
S011 1 METS P CODE       .0000 -.0033  .0025 -.0030  .0024  .0015 -1.3   .8   .4 97:308
S011 1 METS P GFZ       -.0001 -.0004 -.0018 -.0004 -.0007 -.0016  -.2  -.3  -.5 97:330
S011 1 METS P IGS       -.0004 -.0004 -.0010 -.0002  .0000 -.0011  -.3   .0  -.7 98:146
S011 1 METS P1 JPL       .0010  .0024  .0031  .0018 -.0001  .0036  1.5  -.1  1.7 96: 89
S011 1 METS P NCL        .0000 -.0010  .0000 -.0009  .0003 -.0002  -.7   .2  -.1 98:  5
S011 1 METS P NOAA      -.0014  .0013 -.0028  .0018 -.0008 -.0028   .9  -.4 -1.1 97:190
S011 1 METS P EUR        .0012  .0005  .0017  .0000 -.0003  .0021   .0  -.1   .6 98:116
S013 1 META TIE10503    -.0001  .0003 -.0001  .0003 -.0001 -.0001   .2  -.1  -.1 97:  1
S013 1 META D GRGS      -.0288 -.0216  .0109 -.0078  .0359 -.0080  -.5  2.2  -.5 96: 56
S013 1 META D9 IGN       .0269  .0087 -.0473 -.0032 -.0478 -.0271  -.2 -2.6 -1.4 96:257
S013 1 META C GRIM       .0044 -.0243 -.0181 -.0239 -.0038 -.0187  -.8  -.1  -.7 93:  1
S013 1 META C1 CSR       .0072 -.0043  .0064 -.0069 -.0009  .0079 -1.1  -.1  1.2 96:268
S014 1 7806 L AUS       -.0056  .0075  .0022  .0091  .0028  .0009   .8   .2   .1 99:251
S014 1 7806 L CGS       -.0425 -.0120 -.0703  .0067  .0030 -.0827   .2   .0  -.9 97:  1
S014 1 7806 L CRL       -.0114 -.0217 -.0159 -.0150  .0089 -.0234  -.4   .2  -.7 99:253
S014 1 7806 L4 CSR       .0006 -.0133  .0105 -.0124  .0095  .0066  -.3   .1   .1 99:320
S014 1 7806 L DEOS      -.0573  .0495  .0203  .0688  .0377  .0018   .2   .1   .0 93:  1
S014 1 7806 L JCET      -.0029  .0061 -.0294  .0068 -.0145 -.0255   .6  -.8 -1.0 99:315
S014 1 7806 C1 CSR      -.0085  .0028 -.0156  .0061 -.0021 -.0168   .6  -.1  -.9 99: 51

Velocities
M002 1 7601 R GSFC      -.1488 -.4144 -.0282 -.3160  .2522 -.1767  -.3   .2  -.1
M002 1 7601 R SHA        .0017 -.0077  .0031 -.0077  .0030  .0019   .0   .0   .0
S001 1 7805 L AUS        .0051 -.0017  .0122 -.0037  .0027  .0126  -.1   .1   .3
S001 1 7805 L CGS        .0194  .0057  .0250 -.0029 -.0050  .0316  -.2  -.2  1.0
S001 1 7805 L CRL        .1161  .0018  .3503 -.0463  .0816  .3569  -.4   .4  1.6
S001 1 7805 L4 CSR       .0082  .0635  .0038  .0545 -.0274  .0201   .9  -.2   .1
S001 1 7805 L DEOS       .0133 -.0124 -.0024 -.0168 -.0073  .0014  -.3  -.1   .0
S001 1 7805 C GRIM       .0143 -.0531  .0098 -.0543  .0126  .0040   .0   .0   .0
S001 1 7805 C1 CSR      -.0054  .0061  .0087  .0078  .0064  .0063   .3   .2   .2
S011 1 METS P CODE       .0004  .0006 -.0014  .0004 -.0012 -.0009   .3  -.6  -.3
S011 1 METS P GFZ        .0028  .0008  .0028 -.0004 -.0011  .0039  -.5 -1.0  2.8
S011 1 METS P IGS        .0008  .0003  .0008 -.0001 -.0003  .0012  -.1  -.3  1.0
S011 1 METS P1 JPL      -.0007  .0005 -.0009  .0007  .0000 -.0010  1.3  -.1 -1.0
S011 1 METS P NCL        .0006 -.0002  .0008 -.0004  .0001  .0009  -.4   .0   .4
S011 1 METS P NOAA      -.0010 -.0001  .0001  .0004  .0009 -.0004   .3   .6  -.2
S011 1 METS P EUR        .0009 -.0001  .0007 -.0005 -.0003  .0009  -.3  -.1   .3
S013 1 META D GRGS       .0009  .0001  .0028 -.0003  .0007  .0028   .0   .1   .3
S013 1 META D9 IGN      -.0023  .0004 -.0056  .0013 -.0011 -.0059   .2  -.1  -.7
S013 1 META C GRIM       .0143 -.0531  .0098 -.0542  .0126  .0040   .0   .0   .0
S013 1 META C1 CSR      -.0008 -.0006 -.0031 -.0002 -.0007 -.0031  -.1  -.2  -.9
S014 1 7806 L AUS       -.0185  .0317  .0123  .0365  .0094  .0088  1.9   .5   .5
S014 1 7806 L CGS       -.0173  .0059  .0110  .0125  .0170  .0029   .0   .0   .0
S014 1 7806 L CRL       -.0236 -.0375  .0275 -.0244  .0457  .0055  -.5   .6   .1
S014 1 7806 L4 CSR      -.0068 -.0021 -.0164  .0008 -.0020 -.0177   .0   .0  -.3
S014 1 7806 L DEOS       .0513 -.0043 -.0198 -.0251 -.0489  .0051   .0   .0   .0
S014 1 7806 L JCET      -.0112 -.0165 -.0169 -.0104  .0064 -.0231  -.1   .0  -.1
S014 1 7806 C1 CSR      -.0056 -.0024  .0025  .0002  .0065 -.0008   .0   .3   .0

10511 VAASA

Positions
M001 1 VAAS P EUR       -.0006 -.0003 -.0008 -.0001  .0002 -.0010  -.1   .1  -.3 98:304

Velocities
M001 1 VAAS P EUR       -.0004 -.0002 -.0002 -.0001  .0003 -.0004   .0   .1  -.1

10512 JOENSUU

Positions
M001 1 JOEN P EUR       -.0006 -.0005 -.0010 -.0001  .0002 -.0013  -.1   .1  -.3 98:284

Velocities
M001 1 JOEN P EUR       -.0002 -.0001  .0004  .0001  .0004  .0002   .0   .1   .0
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10513 SODANKYLA/PITTIO

Positions
M001 1 SODA P EUR       -.0009 -.0007 -.0020 -.0002  .0002 -.0023  -.2   .1  -.4 99: 63

Velocities
M001 1 SODA P EUR        .0000  .0003  .0019  .0003  .0006  .0018   .1   .1   .2

11001 GRAZ LUSTBUEHEL

Positions
M002 1 GRAZ TIE11001     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 GRAZ P CODE      -.0035 -.0021  .0004 -.0011  .0032 -.0024  -.3   .5  -.4 96:266
M002 1 GRAZ P IGS       -.0010 -.0002 -.0010  .0001  .0001 -.0014   .1   .0  -.9 98:206
M002 1 GRAZ P1 JPL       .0018  .0011  .0019  .0006 -.0001  .0028   .4  -.1  1.4 96:324
M002 1 GRAZ P NCL       -.0019  .0005 -.0056  .0010 -.0026 -.0052   .3  -.3  -.7 97: 90
M002 1 GRAZ P NOAA      -.0004 -.0007  .0001 -.0006  .0005 -.0003  -.3   .2  -.1 98: 39
M002 1 GRAZ P EUR       -.0009 -.0003 -.0002 -.0001  .0006 -.0008  -.1   .2  -.3 98: 82
M002 1 GRAZ P REGAL     -.0022  .0015 -.0008  .0020  .0007 -.0017  1.5   .3  -.7 99: 25
M002 2 GRAZ P CODE       .0016 -.0021  .0064 -.0025  .0036  .0053 -1.0  1.0  1.4 98: 61
S002 1 7839 TIE11001    -.0003 -.0004  .0011 -.0003  .0010  .0005  -.1   .3   .2 97:  1
S002 1 7839 L AUS       -.0019  .0027  .0047  .0031  .0040  .0027   .6   .9   .6 98:131
S002 1 7839 L CGS        .0054  .0104  .0041  .0086 -.0031  .0084  1.5  -.6  1.7 94:209
S002 1 7839 L CRL        .0106  .0021  .0194 -.0008  .0053  .0216  -.1   .6  2.4 91: 59
S002 1 7839 L4 CSR       .0074  .0041  .0100  .0019  .0008  .0129   .7   .2  3.0 92:238
S002 1 7839 L DEOS      -.0013 -.0019 -.0001 -.0015  .0013 -.0013  -.3   .2  -.2 92:266
S002 1 7839 L DGFI      -.0041 -.0047  .0014 -.0034  .0048 -.0025  -.6   .9  -.5 94: 69
S002 1 7839 L JCET       .0002  .0000 -.0011  .0000 -.0009 -.0007   .0  -.6  -.4 96:320
S002 1 7839 C GRIM      -.0056 -.0012 -.0070  .0003 -.0005 -.0090   .1  -.2 -3.1 92: 38
S002 1 7839 C1 CSR       .0034  .0005  .0026 -.0004 -.0007  .0043  -.4  -.4  2.6 97:  3

Velocities
M002 1 GRAZ P CODE      -.0007  .0004 -.0031  .0006 -.0017 -.0027   .4  -.6  -.9
M002 1 GRAZ P IGS       -.0007  .0000 -.0006  .0002  .0001 -.0009   .2   .1  -.7
M002 1 GRAZ P1 JPL      -.0015 -.0001 -.0011  .0003  .0003 -.0018   .4   .3 -1.9
M002 1 GRAZ P NCL        .0001 -.0002  .0002 -.0002  .0001  .0002  -.2   .1   .1
M002 1 GRAZ P NOAA      -.0022 -.0003 -.0011  .0003  .0008 -.0023   .2   .4 -1.2
M002 1 GRAZ P EUR       -.0004  .0003 -.0005  .0004 -.0001 -.0006   .4   .0  -.2
M002 1 GRAZ P REGAL      .0004  .0015 -.0006  .0014 -.0010  .0001  1.1  -.4   .0
M002 2 GRAZ P CODE      -.0007  .0005 -.0031  .0006 -.0018 -.0027   .4  -.6  -.9
S002 1 7839 L AUS       -.0010 -.0011  .0027 -.0008  .0027  .0011  -.4  1.3   .5
S002 1 7839 L CGS       -.0017 -.0009 -.0008 -.0004  .0009 -.0019  -.3   .7 -1.5
S002 1 7839 L CRL       -.0023 -.0009 -.0012 -.0003  .0010 -.0026  -.1   .2  -.6
S002 1 7839 L4 CSR      -.0010 -.0008 -.0012 -.0005  .0000 -.0017  -.6   .0 -1.9
S002 1 7839 L DEOS       .0029 -.0014 -.0007 -.0021 -.0023  .0011 -1.0  -.7   .3
S002 1 7839 L DGFI       .0006 -.0009  .0018 -.0010  .0010  .0015  -.6   .6   .9
S002 1 7839 L JCET      -.0016 -.0005 -.0022 -.0001 -.0002 -.0028  -.2  -.3 -3.7
S002 1 7839 C GRIM       .0016 -.0037  .0011 -.0040  .0004  .0012 -1.4   .4  1.3
S002 1 7839 C1 CSR      -.0015 -.0007 -.0020 -.0002 -.0002 -.0026  -.5  -.2 -3.2

11005 PFANDER

Positions
S002 1 PFAN P EUR       -.0008  .0000 -.0005  .0001  .0002 -.0009   .1   .1  -.3 98:253
S002 2 PFAN P EUR        .0010  .0002  .0015  .0000  .0003  .0018   .0   .0   .2 99:340

Velocities
S002 1 PFAN P EUR        .0021  .0001  .0021 -.0003 -.0001  .0030  -.2   .0   .6
S002 2 PFAN P EUR        .0021  .0001  .0021 -.0003 -.0001  .0030  -.2   .0   .6

11006 INNSBRUCK/HAFELE

Positions
S003 1 HFLK P CODE       .0009 -.0020  .0032 -.0022  .0018  .0027  -.7   .4   .5 99: 42
S003 1 HFLK P IGS        .0017 -.0003  .0008 -.0006 -.0006  .0017  -.4  -.2   .5 99:168
S003 1 HFLK P1 JPL      -.0041  .0000 -.0032  .0008  .0008 -.0051   .4   .3 -1.7 98:170
S003 1 HFLK P NOAA       .0110  .0015  .0142 -.0007  .0015  .0179  -.1   .2  2.2 99:259
S003 1 HFLK P EUR        .0002  .0002  .0010  .0001  .0005  .0009   .1   .2   .3 98: 86
S003 1 HFLK P REGAL     -.0011  .0006 -.0004  .0008  .0004 -.0010   .6   .1  -.3 99: 28
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Velocities
S003 1 HFLK P CODE       .0021  .0009 -.0016  .0005 -.0027  .0003   .2  -.5   .1
S003 1 HFLK P IGS        .0004  .0002  .0005  .0002  .0000  .0007   .1   .0   .1
S003 1 HFLK P1 JPL      -.0053 -.0010 -.0042  .0000  .0011 -.0067   .0   .3 -2.1
S003 1 HFLK P NOAA      -.0015  .0000 -.0010  .0003  .0004 -.0017   .1   .1  -.4
S003 1 HFLK P EUR        .0014  .0000  .0011 -.0003 -.0003  .0017  -.3  -.1   .6
S003 1 HFLK P REGAL      .0028  .0017  .0044  .0011  .0007  .0053   .6   .1   .8

11031 GAISBERG/SALZBUR

Positions
S001 1 SBGZ P EUR        .0002  .0000  .0005 -.0001  .0002  .0005   .0   .0   .1 99:205

Velocities
S001 1 SBGZ P EUR        .0139  .0036  .0148  .0003 -.0007  .0206   .0   .0  1.0

11101 SOFIA

Positions
M001 1 7505 TIE11101     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7505 L4 CSR       .0078  .0116  .0220  .0075  .0082  .0235   .1   .1   .2 95:286
M001 1 7505 C GRIM       .0149 -.0177  .0223 -.0221  .0120  .0200  -.1   .0   .0 95:286
M001 1 7505 C1 CSR      -.0057  .0086  .0038  .0102  .0040  .0013   .3   .1   .0 95:281
M002 1 SOFI TIE11101    -.0003  .0003  .0002  .0004  .0002  .0000   .1   .1   .0 97:  1
M002 1 SOFI P IGS       -.0007 -.0021 -.0038 -.0017 -.0018 -.0037  -.1  -.1  -.2 98: 91
M002 1 SOFI P1 JPL      -.0032 -.0006 -.0012  .0008  .0012 -.0032   .2   .3  -.8 98:101
M002 1 SOFI P NOAA      -.0010 -.0007 -.0016 -.0002 -.0004 -.0020  -.1  -.1  -.6 98:164
M002 1 SOFI P EUR        .0014  .0007  .0020  .0001  .0004  .0025   .0   .1   .8 98:270

Velocities
M001 1 7505 L4 CSR      -.1492 -.0791  .0508 -.0133  .1513 -.0897   .0   .2  -.1
M001 1 7505 C GRIM       .0952 -.0450  .0569 -.0791 -.0051  .0897  -.1   .0   .1
M001 1 7505 C1 CSR       .0394  .3429  .1050  .2990 -.0392  .1980   .1   .0   .1
M002 1 SOFI P IGS        .0007 -.0007 -.0020 -.0009 -.0017 -.0011   .0   .0   .0
M002 1 SOFI P1 JPL       .0002  .0006 -.0006  .0005 -.0007 -.0001   .1  -.1   .0
M002 1 SOFI P NOAA      -.0009 -.0008  .0002 -.0003  .0009 -.0007  -.1   .2  -.2
M002 1 SOFI P EUR       -.0008  .0001 -.0006  .0004  .0000 -.0009   .2   .0  -.2

11206 PENC

Positions
M006 1 PENC P CODE      -.0005 -.0032  .0034 -.0029  .0034  .0015  -.9   .7   .3 99: 40
M006 1 PENC P IGS       -.0002 -.0014  .0005 -.0013  .0008  .0000  -.5   .2   .0 99:165
M006 1 PENC P NOAA      -.0008  .0084 -.0019  .0082 -.0028  .0000  3.9 -1.1   .0 98: 39
M006 1 PENC P EUR       -.0018 -.0014  .0013 -.0007  .0025 -.0005  -.6   .9  -.2 98:123

Velocities
M006 1 PENC P CODE       .0027  .0012 -.0002  .0003 -.0023  .0019   .1  -.4   .3
M006 1 PENC P IGS        .0024  .0005  .0006 -.0003 -.0014  .0021  -.1  -.2   .3
M006 1 PENC P NOAA      -.0009  .0006  .0000  .0008  .0005 -.0005   .5   .2  -.2
M006 1 PENC P EUR       -.0002  .0005 -.0007  .0005 -.0005 -.0005   .4  -.2  -.2

11401 BUCAREST

Positions
M001 1 BUBC P IGS        .0020  .0040 -.0003  .0027 -.0027  .0023   .6  -.5   .4  0:225
M001 1 BUBC P NOAA      -.0042 -.0023 -.0039 -.0002  .0006 -.0062   .0   .1 -1.4 99:207
M001 1 BUBC P EUR        .0005  .0006  .0003  .0003 -.0003  .0008   .1  -.1   .1 99:222

Velocities
M001 1 BUBC P IGS        .0047  .0031 -.0021  .0007 -.0054  .0025   .0  -.2   .1
M001 1 BUBC P NOAA       .0070 -.0025  .0086 -.0053  .0025  .0097  -.5   .2   .7
M001 1 BUBC P EUR       -.0048 -.0031 -.0021 -.0007  .0025 -.0055   .0   .1  -.3

11502 PECNY/ONDREJOV

Positions
M002 1 GOPE P CODE       .0001 -.0028  .0067 -.0027  .0048  .0047 -1.2  1.3  1.2 97:364
M002 1 GOPE P IGS       -.0007 -.0007  .0008 -.0005  .0011  .0001  -.4   .5   .0 98:145
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M002 1 GOPE P NCL       -.0031  .0053 -.0074  .0059 -.0035 -.0067  1.5  -.4  -.6 96:325
M002 1 GOPE P NOAA       .0020  .0031 -.0016  .0025 -.0032  .0005  1.3 -1.4   .2 97:326
M002 1 GOPE P EUR       -.0023 -.0009  .0002 -.0003  .0020 -.0014  -.3   .8  -.5 98: 93

Velocities
M002 1 GOPE P CODE       .0001  .0001 -.0022  .0001 -.0015 -.0016   .0  -.6  -.6
M002 1 GOPE P IGS        .0006 -.0010  .0014 -.0011  .0006  .0013 -1.3   .3   .7
M002 1 GOPE P NCL       -.0017  .0000 -.0025  .0005 -.0003 -.0030   .4  -.2 -1.5
M002 1 GOPE P NOAA      -.0005  .0005  .0006  .0006  .0006  .0003   .4   .4   .1
M002 1 GOPE P EUR        .0002  .0003  .0002  .0002 -.0001  .0003   .2   .0   .1

11507 MODRA-PIESOK

Positions
M001 1 MOPI P EUR       -.0011 -.0004 -.0002  .0000  .0007 -.0009   .0   .2  -.3 98:172

Velocities
M001 1 MOPI P EUR        .0006  .0002  .0005  .0001 -.0001  .0008   .0   .0   .2

12204 JOZEFOSLAW-WARSA

Positions
M001 1 JOZE P CODE       .0017 -.0027  .0092 -.0031  .0052  .0076 -1.3  1.5  2.0 97:328
M001 1 JOZE P NOAA       .0000  .0043 -.0035  .0040 -.0034 -.0018  2.1 -1.6  -.8 97:256
M001 1 JOZE P EUR       -.0021 -.0007  .0002  .0001  .0019 -.0012   .1   .8  -.4 98: 95

Velocities
M001 1 JOZE P CODE       .0009  .0005 -.0016  .0001 -.0017 -.0007   .1  -.8  -.3
M001 1 JOZE P NOAA      -.0014  .0007 -.0007  .0011  .0004 -.0012   .9   .3  -.9
M001 1 JOZE P EUR       -.0008 -.0003 -.0016  .0000 -.0003 -.0017   .0  -.1  -.7

12205 BOROWIEC

Positions
M002 1 BOR1 TIE12205     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 BOR1 P CODE       .0022 -.0019  .0072 -.0024  .0031  .0066 -1.0   .9  1.7 97:332
M002 1 BOR1 P IGS        .0010 -.0001  .0012 -.0003  .0000  .0015  -.4   .0   .9 98: 79
M002 1 BOR1 P1 JPL       .0006  .0002  .0011  .0000  .0001  .0013   .0   .0   .6 97:121
M002 1 BOR1 P NCL       -.0009 -.0007 -.0005 -.0004  .0006 -.0011  -.3   .2  -.4 97:244
M002 1 BOR1 P NOAA       .0005 -.0026 -.0016 -.0027 -.0008 -.0015  -.7  -.1  -.3 98:352
M002 1 BOR1 P EUR       -.0005 -.0003 -.0011 -.0002 -.0002 -.0013  -.1  -.1  -.4 98: 88
S001 1 7811 TIE12205     .0022  .0012  .0062  .0005  .0018  .0064   .2   .6  2.0 97:  1
S001 1 7811 L AUS       -.0211  .0037  .0053  .0098  .0183 -.0074  1.1  2.4 -1.0 99:170
S001 1 7811 L CGS        .0132  .0078  .0153  .0036 -.0024  .0213   .4  -.2  1.5 96:145
S001 1 7811 L CRL        .0223  .0027  .0433 -.0040  .0089  .0478  -.2   .3  1.6 95:331
S001 1 7811 L4 CSR       .0286  .0073  .0374 -.0015 -.0005  .0476   .0   .0   .4 97: 43
S001 1 7811 L DEOS       .0042 -.0126 -.0129 -.0133 -.0081 -.0100  -.8  -.5  -.6 96: 61
S001 1 7811 L DGFI      -.0073 -.0073 -.0099 -.0048  .0011 -.0134  -.4   .1 -1.2 96:133
S001 1 7811 L JCET       .0117  .0055  .0160  .0018 -.0004  .0205   .2   .0  1.5 97:266
S001 1 7811 C GRIM       .0351 -.0119  .0356 -.0217 -.0020  .0466 -1.4  -.1  2.7 97:  5
S001 1 7811 C1 CSR       .0353  .0000  .0304 -.0103 -.0080  .0447 -1.3  -.6  3.0 97: 48

Velocities
M002 1 BOR1 P CODE       .0009  .0004 -.0012  .0001 -.0015 -.0004   .1  -.7  -.2
M002 1 BOR1 P IGS        .0006 -.0002  .0002 -.0004 -.0003  .0005  -.6  -.3   .4
M002 1 BOR1 P1 JPL      -.0007 -.0004 -.0001 -.0002  .0005 -.0006  -.2   .3  -.4
M002 1 BOR1 P NCL       -.0006 -.0002 -.0005  .0000  .0002 -.0008   .0   .1  -.4
M002 1 BOR1 P NOAA      -.0015  .0004 -.0005  .0008  .0008 -.0012   .6   .4  -.6
M002 1 BOR1 P EUR        .0003  .0001  .0000  .0000 -.0003  .0002   .0  -.1   .1
S001 1 7811 L AUS       -.0029  .0049 -.0048  .0056 -.0019 -.0046   .6  -.2  -.5
S001 1 7811 L CGS        .0004  .0019  .0081  .0017  .0042  .0069   .6   .9  1.5
S001 1 7811 L CRL       -.0039 -.0021 -.0040 -.0009  .0010 -.0058  -.2   .1  -.6
S001 1 7811 L4 CSR      -.0059 -.0009 -.0049  .0008  .0017 -.0075   .1   .1  -.6
S001 1 7811 L DEOS       .0000 -.0005  .0014 -.0005  .0009  .0010  -.1   .1   .2
S001 1 7811 L DGFI      -.0026  .0005  .0049  .0012  .0049  .0025   .3  1.2   .6
S001 1 7811 L JCET       .0029  .0012  .0045  .0003  .0003  .0055   .1   .1   .9
S001 1 7811 C GRIM      -.0041 -.0039 -.0047 -.0025  .0011 -.0068  -.5   .2  -.8
S001 1 7811 C1 CSR      -.0021 -.0014  .0009 -.0007  .0025 -.0008  -.2   .4  -.1

12207 BOROWA GORA
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Positions
M002 1 BOGO P CODE       .0010 -.0021  .0026 -.0023  .0014  .0022  -.8   .3   .4 99: 45
M002 1 BOGO P IGS        .0000 -.0006  .0001 -.0005  .0003  .0000  -.2   .1   .0 99:118
M002 1 BOGO P EUR       -.0002 -.0001  .0005 -.0001  .0005  .0003  -.1   .2   .1 98:108

Velocities
M002 1 BOGO P CODE       .0011  .0007 -.0002  .0003 -.0012  .0006   .1  -.2   .1
M002 1 BOGO P IGS        .0019  .0003  .0030 -.0004  .0004  .0035  -.1   .0   .5
M002 1 BOGO P EUR        .0002  .0001  .0000  .0000 -.0002  .0001   .0  -.1   .0

12209 LAMKOWKO

Positions
M001 1 LAMO P CODE      -.0013 -.0029  .0013 -.0023  .0025 -.0003 -1.0   .8  -.1 98:  3
M001 1 LAMO P IGS       -.0012 -.0009 -.0014 -.0004  .0003 -.0019  -.4   .2  -.9 98:275
M001 1 LAMO P1 JPL       .0010 -.0009  .0013 -.0012  .0003  .0015  -.7   .1   .5 97:318
M001 1 LAMO P NCL        .0005 -.0003  .0007 -.0005  .0001  .0008  -.4   .1   .4 97:202
M001 1 LAMO P NOAA       .0003 -.0009 -.0016 -.0010 -.0009 -.0013  -.5  -.4  -.6 97:297
M001 1 LAMO P EUR        .0008  .0004  .0005  .0000 -.0004  .0009   .0  -.2   .3 98:156

Velocities
M001 1 LAMO P CODE       .0014  .0007 -.0004  .0002 -.0015  .0006   .1  -.7   .2
M001 1 LAMO P IGS        .0022  .0000  .0039 -.0008  .0006  .0044  -.8   .3  2.3
M001 1 LAMO P1 JPL      -.0005 -.0010 -.0003 -.0008  .0005 -.0007  -.6   .3  -.3
M001 1 LAMO P NCL       -.0001 -.0002  .0001 -.0001  .0002 -.0001  -.1   .1   .0
M001 1 LAMO P NOAA      -.0014 -.0003 -.0006  .0002  .0008 -.0013   .2   .5  -.8
M001 1 LAMO P EUR       -.0004 -.0001 -.0006  .0000  .0000 -.0007   .0   .0  -.3

12217 WROCLAW

Positions
M001 1 WROC P EUR       -.0006 -.0002  .0000 -.0001  .0005 -.0004   .0   .2  -.1 98:146

Velocities
M001 1 WROC P EUR        .0004  .0002  .0006  .0000  .0000  .0007   .0   .0   .2

12302 RIGA

Positions
M001 1 7560 TIE12302     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7560 L CGS        .0026 -.0439  .0476 -.0411  .0390  .0314 -1.1   .5   .4 97:  1
M001 1 7560 L4 CSR       .0121  .0159  .0249  .0096 -.0011  .0304   .0   .0   .1 91:270
M001 1 7560 L DEOS       .0053  .0122  .0258  .0090  .0059  .0269   .1   .0   .2 93:  1
M001 1 7560 C GRIM      -.0062  .0355  .0079  .0349 -.0031  .0115   .2   .0   .0 93:  1
M002 1 RIGA TIE12302    -.0001 -.0006  .0002 -.0005  .0004  .0000  -.2   .1   .0 97:  1
M002 1 RIGA P EUR       -.0049 -.0022 -.0072  .0000  .0006 -.0089   .0   .2 -2.4 98:278
S002 1 1884 TIE12302    -.0054  .0012 -.0005  .0033  .0035 -.0028   .8   .8  -.7 97:  1
S002 1 1884 L AUS        .0050  .0019  .0087 -.0003  .0002  .0102   .0   .0  1.2 99: 65
S002 1 1884 L CGS       -.0064  .0012 -.0171  .0037 -.0048 -.0172   .5  -.5 -1.7 95:275
S002 1 1884 L CRL       -.0170 -.0152 -.0218 -.0070  .0063 -.0302  -.4   .2 -1.1 94:236
S002 1 1884 L4 CSR       .0082 -.0056  .0167 -.0084  .0048  .0168  -.1   .0   .1 97:173
S002 1 1884 L DEOS       .0313 -.0032  .0102 -.0156 -.0173  .0235  -.8  -.9  1.3 95:308
S002 1 1884 L DGFI       .0045 -.0172  .0073 -.0175  .0064  .0045 -1.6   .6   .5 95:327
S002 1 1884 L JCET      -.0081 -.0080 -.0185 -.0040 -.0012 -.0213  -.2   .0  -.7 96:295
S002 1 1884 C GRIM       .0171  .0048  .0210 -.0026 -.0033  .0272  -.1  -.1   .4 93:  1
S002 1 1884 C1 CSR      -.0085 -.0040 -.0221 -.0001 -.0042 -.0236   .0  -.1  -.6 97:115
S006 1 1885 L AUS       -.0001  .0001 -.0001  .0001  .0000 -.0001   .0   .0   .0 97:  0
S006 1 1885 C GRIM       .1247 -.1728 -.0150 -.2086 -.0446  .0111  -.1   .0   .0 96:254

Velocities
M001 1 7560 L CGS       -.0231  .0035  .0024  .0126  .0178 -.0087   .0   .0   .0
M001 1 7560 L4 CSR      -.1426  .3072  .2640  .3386  .1482  .2186   .1   .1   .1
M001 1 7560 L DEOS       .0438 -.0074 -.0318 -.0247 -.0483 -.0065   .0   .0   .0
M001 1 7560 C GRIM       .0108 -.0620  .0009 -.0610  .0135 -.0076   .0   .0   .0
M002 1 RIGA P EUR       -.0045 -.0024 -.0079 -.0003  .0000 -.0094  -.2   .0 -1.8
S002 1 1884 L AUS        .0169  .0051  .0014 -.0023 -.0139  .0107  -.3 -1.9  1.6
S002 1 1884 L CGS       -.0013 -.0001  .0005  .0005  .0013 -.0002   .2   .4  -.1
S002 1 1884 L CRL       -.0003 -.0014  .0007 -.0012  .0011  .0001  -.2   .1   .0
S002 1 1884 L4 CSR       .0028 -.0020  .0028 -.0029  .0001  .0033  -.3   .0   .1
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S002 1 1884 L DEOS      -.0064 -.0048 -.0042 -.0018  .0043 -.0077  -.2   .6 -1.1
S002 1 1884 L DGFI      -.0084 -.0046 -.0046 -.0008  .0055 -.0091  -.2  1.3 -2.4
S002 1 1884 L JCET       .0019  .0007  .0014 -.0002 -.0010  .0022   .0  -.1   .1
S002 1 1884 C GRIM       .0108 -.0620  .0009 -.0610  .0135 -.0076   .0   .0   .0
S002 1 1884 C1 CSR       .0012  .0035  .0101  .0027  .0034  .0099   .2   .2   .5
S006 1 1885 L AUS       -.0028 -.0057 -.0016 -.0041  .0032 -.0040  -.1   .1  -.1
S006 1 1885 C GRIM      -.0006 -.0051 -.0062 -.0044 -.0012 -.0066  -.6  -.1  -.5

12309 MENDELEEVO

Positions
M001 1 MDVO P CODE      -.0002 -.0044  .0065 -.0034  .0059  .0038  -.3   .3   .2 96:219
M002 1 MDVO P CODE       .0031 -.0024  .0061 -.0038  .0025  .0057 -1.5   .8  1.4 98: 36
M002 1 MDVO P NCL        .0002  .0015  .0072  .0011  .0031  .0066   .4   .8  1.3 96:339
M002 1 MDVO P EUR       -.0029 -.0019 -.0060  .0002 -.0005 -.0069   .1  -.2 -2.1 98:236
S001 1 1870 C GRIM       .0232 -.0358  .0087 -.0425  .0076  .0054  -.2   .0   .0 97: 15

Velocities
M001 1 MDVO P CODE      -.0006  .0002 -.0020  .0005 -.0008 -.0019   .3  -.3  -.7
M002 1 MDVO P CODE      -.0006  .0002 -.0020  .0005 -.0008 -.0019   .3  -.3  -.7
M002 1 MDVO P NCL       -.0001  .0002  .0029  .0002  .0016  .0025   .1   .7   .9
M002 1 MDVO P EUR        .0035  .0039  .0091  .0010  .0008  .0104   .4   .2  2.4
S001 1 1870 C GRIM       .1204 -.0606  .2298 -.1211  .0793  .2236  -.3   .2   .7

12312 YEREVAN

Positions
M001 1 NSSP P CODE       .0043 -.0004  .0051 -.0033  .0021  .0054  -.5   .3   .7 99:107
M001 1 NSSP P IGS        .0005  .0002  .0002 -.0002 -.0002  .0005   .0   .0   .1 99:  3
M001 1 NSSP P NOAA      -.0011 -.0023 -.0033 -.0008 -.0010 -.0039  -.2  -.3 -1.0 98:272

Velocities
M001 1 NSSP P CODE       .0058  .0025  .0042 -.0023 -.0006  .0072  -.1   .0   .2
M001 1 NSSP P IGS        .0052  .0035  .0032 -.0011 -.0015  .0068  -.1  -.1   .4
M001 1 NSSP P NOAA      -.0012 -.0022 -.0010 -.0008  .0008 -.0024  -.1   .1  -.3

12313 IRKOUTSK

Positions
M001 1 IRKT P CODE       .0026 -.0001  .0078 -.0025  .0054  .0057  -.9  1.4  1.4 98: 60
M001 1 IRKT P GFZ        .0004  .0059  .0051 -.0018 -.0013  .0075  -.9  -.4  2.4 98:203
M001 1 IRKT P IGS       -.0002 -.0005 -.0011  .0003 -.0003 -.0011   .4  -.3  -.8 98:200
M001 1 IRKT P1 JPL      -.0007 -.0028 -.0023  .0013  .0006 -.0034   .9   .3 -1.4 97:337
M001 1 IRKT P NCL       -.0002 -.0006  .0003  .0004  .0005 -.0001   .2   .3   .0 98:130
M001 1 IRKT P NOAA       .0015 -.0018 -.0048 -.0010 -.0013 -.0051  -.4  -.5 -1.9 98: 37

Velocities
M001 1 IRKT P CODE       .0021 -.0044 -.0093 -.0010 -.0020 -.0103  -.6  -.7 -3.5
M001 1 IRKT P GFZ        .0003 -.0011 -.0019  .0000 -.0002 -.0022   .0  -.1 -1.1
M001 1 IRKT P IGS        .0000 -.0002 -.0003  .0001 -.0001 -.0004   .1  -.1  -.4
M001 1 IRKT P1 JPL       .0005  .0005  .0023 -.0006  .0011  .0020  -.5   .6  1.0
M001 1 IRKT P NCL       -.0005  .0001  .0003  .0005  .0000  .0004   .4   .0   .2
M001 1 IRKT P NOAA       .0002  .0010  .0000 -.0004 -.0007  .0006  -.2  -.3   .3

12329 YUZHNO-SAKHALINS

Positions
M003 1 YSSK P CODE       .0036 -.0007  .0005 -.0017  .0028 -.0019  -.3   .4  -.3 99:336
M003 1 YSSK P GFZ       -.0002  .0061  .0055 -.0047  .0009  .0066  -.9   .1  1.0  0: 24
M003 1 YSSK P IGS       -.0015 -.0013 -.0025  .0020 -.0020 -.0016   .7  -.6  -.5  0:142
S001 1 SAKA D9 IGN      -.0159  .0197  .0080 -.0060 -.0125  .0226  -.3  -.6  1.2 95:232
S001 1 SAKA C1 CSR       .0027 -.0007 -.0021 -.0011  .0004 -.0033  -.2   .1  -.6 95:233

Velocities
M003 1 YSSK P CODE      -.0221  .0182  .0397 -.0011  .0061  .0486   .0   .2  1.3
M003 1 YSSK P GFZ       -.0017  .0037 -.0004 -.0019 -.0029  .0021  -.2  -.3   .2
M003 1 YSSK P IGS        .0001 -.0055 -.0083  .0043 -.0032 -.0084   .6  -.4  -.9
S001 1 SAKA D9 IGN       .0071  .0026 -.0001 -.0064  .0029 -.0028  -.5   .3  -.3
S001 1 SAKA C1 CSR       .0044  .0047  .0015 -.0064  .0015  .0007 -2.0   .5   .2
```

12330 ZWENIGOROD

Positions

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| M001 1 ZWEN P CODE | .0012 | -.0026 | .0027 | -.0028 | .0020 | .0019 | -1.0 | .5 | .4 | 98:221 |
| M001 1 ZWEN P GFZ | .0033 | .0008 | .0020 | -.0013 | -.0014 | .0034 | -.7 | -.6 | 1.1 | 98:177 |
| M001 1 ZWEN P IGS | .0010 | .0003 | .0013 | -.0004 | -.0001 | .0016 | -.4 | .0 | 1.1 | 98:165 |
| M001 1 ZWEN P1 JPL | .0010 | .0015 | .0033 | .0006 | .0005 | .0037 | .3 | .2 | 1.5 | 97:330 |
| M001 1 ZWEN P NCL | .0000 | -.0003 | .0014 | -.0003 | .0009 | .0011 | -.2 | .5 | .5 | 98:143 |
| M001 1 ZWEN P NOAA | .0012 | -.0015 | -.0008 | -.0019 | -.0005 | -.0007 | -.8 | -.2 | -.3 | 97:281 |
| M001 1 ZWEN P EUR | .0002 | .0000 | .0000 | -.0001 | -.0002 | .0001 | -.1 | -.1 | .0 | 98:241 |

Velocities

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| M001 1 ZWEN P CODE | .0009 | .0014 | -.0023 | .0006 | -.0026 | -.0010 | .3 | -.8 | -.3 |
| M001 1 ZWEN P GFZ | .0015 | .0012 | .0012 | .0001 | -.0009 | .0020 | .0 | -.6 | 1.2 |
| M001 1 ZWEN P IGS | .0007 | .0000 | .0006 | -.0004 | -.0002 | .0008 | -.4 | -.1 | .6 |
| M001 1 ZWEN P1 JPL | -.0008 | -.0014 | -.0003 | -.0006 | .0011 | -.0011 | -.4 | .6 | -.5 |
| M001 1 ZWEN P NCL | .0013 | -.0002 | .0029 | -.0009 | .0009 | .0029 | -.6 | .4 | 1.3 |
| M001 1 ZWEN P NOAA | -.0012 | .0000 | -.0010 | .0007 | .0002 | -.0014 | .4 | .1 | -.7 |
| M001 1 ZWEN P EUR | .0000 | -.0003 | -.0003 | -.0002 | -.0001 | -.0004 | -.1 | .0 | -.1 |

12334 KITAB

Positions

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| M001 1 KIT3 TIE12334 | .0000 | .0000 | .0000 | .0000 | .0000 | .0000 | .0 | .0 | .0 | 97: 1 |
| M001 1 KIT3 P CODE | .0016 | -.0048 | .0050 | -.0034 | .0063 | .0002 | -1.1 | 1.4 | .1 | 97:249 |
| M001 1 KIT3 P GFZ | .0022 | .0019 | .0010 | -.0013 | -.0008 | .0027 | -.5 | -.2 | .8 | 97:285 |
| M001 1 KIT3 P IGS | -.0003 | .0005 | .0002 | .0004 | .0000 | .0004 | .4 | .0 | .3 | 98: 19 |
| M001 1 KIT3 P1 JPL | .0003 | -.0003 | -.0002 | -.0004 | -.0001 | -.0002 | -.2 | .0 | -.1 | 96:354 |
| M001 1 KIT3 P NCL | -.0006 | -.0012 | -.0006 | .0000 | .0004 | -.0014 | .0 | .2 | -.7 | 97:360 |
| M001 1 KIT3 P NOAA | .0021 | .0012 | -.0002 | -.0014 | -.0014 | .0014 | -.5 | -.5 | .5 | 97:239 |
| S004 1 KITA TIE12334 | -.0010 | -.0021 | .0037 | .0001 | .0043 | .0005 | .0 | 1.8 | .2 | 97: 1 |
| S004 1 KITA D GRGS | .0192 | -.0349 | .0179 | -.0314 | .0294 | -.0078 | -1.4 | 1.8 | -.4 | 94:333 |
| S004 1 KITA D9 IGN | .0066 | .0137 | -.0050 | -.0007 | -.0134 | .0086 | .0 | -.7 | .4 | 94:321 |
| S004 1 KITA C GRIM | -.0090 | .0042 | -.0439 | .0099 | -.0342 | -.0274 | .2 | -1.0 | -.8 | 93: 1 |
| S004 1 KITA C1 CSR | -.0017 | .0298 | -.0129 | .0133 | -.0269 | .0126 | 1.5 | -3.6 | 1.6 | 94:257 |
| S005 1 KITB TIE12334 | -.0009 | -.0016 | .0033 | .0002 | .0037 | .0007 | .1 | 1.7 | .3 | 97: 1 |
| S005 1 KITB D GRGS | .0291 | -.1031 | -.0400 | -.0672 | .0216 | -.0899 | -1.2 | .5 | -2.1 | 97: 16 |
| S005 1 KITB D9 IGN | .0042 | .0011 | -.0373 | -.0034 | -.0306 | -.0215 | -.1 | -1.1 | -.7 | 98:273 |
| S005 1 KITB C GRIM | -.0035 | -.0543 | -.0652 | -.0181 | -.0182 | -.0809 | -.5 | -.9 | -3.6 | 97:306 |
| S005 1 KITB C1 CSR | .0178 | -.0079 | -.0189 | -.0195 | -.0145 | -.0122 | -1.6 | -1.4 | -1.2 | 98:210 |

Velocities

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| M001 1 KIT3 P CODE | .0008 | .0005 | -.0023 | -.0005 | -.0023 | -.0008 | -.2 | -.7 | -.3 |
| M001 1 KIT3 P GFZ | .0004 | -.0001 | -.0005 | -.0004 | -.0005 | -.0003 | -.3 | -.3 | -.2 |
| M001 1 KIT3 P IGS | .0004 | .0012 | .0007 | .0001 | -.0002 | .0014 | .1 | -.2 | 1.2 |
| M001 1 KIT3 P1 JPL | .0004 | -.0001 | .0014 | -.0004 | .0011 | .0009 | -.3 | .6 | .5 |
| M001 1 KIT3 P NCL | .0004 | .0003 | .0000 | -.0002 | -.0003 | .0003 | -.1 | -.2 | .2 |
| M001 1 KIT3 P NOAA | -.0009 | .0000 | -.0016 | .0008 | -.0010 | -.0013 | .4 | -.5 | -.6 |
| S004 1 KITA D GRGS | .0004 | -.0079 | -.0030 | -.0034 | .0021 | -.0074 | -.1 | .1 | -.4 |
| S004 1 KITA D9 IGN | .0054 | -.0039 | -.0025 | -.0065 | -.0011 | -.0027 | -.2 | -.1 | -.1 |
| S004 1 KITA C GRIM | .0805 | -.0385 | .0028 | -.0892 | .0045 | -.0012 | -.1 | .0 | .0 |
| S004 1 KITA C1 CSR | -.0162 | .0022 | -.0022 | .0157 | .0010 | -.0048 | 1.7 | .1 | -.6 |
| S005 1 KITB D GRGS | .0004 | -.0079 | -.0030 | -.0034 | .0021 | -.0074 | -.1 | .1 | -.4 |
| S005 1 KITB D9 IGN | -.0096 | .0043 | -.0040 | .0106 | -.0032 | -.0024 | .3 | -.1 | -.1 |
| S005 1 KITB C GRIM | .0003 | .0058 | .0197 | .0020 | .0119 | .0166 | .1 | .8 | 1.0 |
| S005 1 KITB C1 CSR | .0014 | -.0019 | .0009 | -.0020 | .0015 | -.0003 | -.2 | .2 | .0 |

12337 SIMEIS

Positions

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| M001 1 7561 L CGS | .0141 | -.0262 | -.0074 | -.0296 | -.0032 | -.0073 | -.8 | -.1 | -.1 | 97: 1 |
| M001 1 7561 L4 CSR | -.0408 | -.0026 | -.0439 | .0207 | -.0067 | -.0559 | .2 | -.1 | -.4 | 91:308 |
| M001 1 7561 L DEOS | -.0239 | .0085 | .0098 | .0204 | .0175 | -.0039 | .4 | .3 | -.1 | 93: 1 |
| M001 1 7561 C GRIM | .0098 | .0006 | .0065 | -.0049 | -.0013 | .0106 | -.1 | .0 | .2 | 93: 1 |
| S003 1 1873 L AUS | -.0270 | -.0521 | -.0189 | -.0281 | .0225 | -.0500 | -.5 | .4 | -.9 | 96:349 |
| S003 1 1873 L CGS | .0353 | .0195 | .0352 | -.0035 | -.0030 | .0533 | -.2 | -.1 | 1.9 | 93:186 |
| S003 1 1873 L CRL | .0692 | .0619 | .1259 | .0127 | .0255 | .1538 | .2 | .3 | 2.1 | 93:105 |
| S003 1 1873 L4 CSR | .0413 | -.0071 | -.0295 | -.0290 | -.0423 | .0010 | -.1 | -.1 | .0 | 92:192 |
| S003 1 1873 L DEOS | -.0670 | -.0906 | -.0536 | -.0376 | .0360 | -.1134 | -.5 | .5 | -1.5 | 92:310 |
| S003 1 1873 L JCET | .0425 | -.0149 | -.0186 | -.0361 | -.0321 | .0062 | -.1 | -.1 | .0 | 96:220 |

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S003 1 1873 C GRIM       .0452  .0453  .0837  .0123  .0159  .1035   .1   .1   .5 93:  1
S003 1 1873 C1 CSR       .0645  .0139  .0621 -.0245  .0015  .0873  -.2   .0   .5 94:349
S006 1 1893 L AUS       -.0155 -.0102  .0055  .0002  .0169 -.0094   .0  1.2  -.7 99: 84
S006 1 1893 L CGS       -.0058 -.0014 -.0192  .0021 -.0098 -.0174   .1  -.4  -.7 95:108
S006 1 1893 L CRL        .0128  .0052  .0119 -.0028 -.0009  .0180  -.1   .0   .6 94:219
S006 1 1893 L4 CSR      -.0404 -.0400 -.0647 -.0106 -.0071 -.0852   .0   .0  -.2 97: 83
S006 1 1893 L DEOS       .1315 -.0043 -.0524 -.0771 -.1121  .0395  -.4  -.7   .3 93:  1
S006 1 1893 L JCET       .0108  .0179 -.0078  .0089 -.0189  .0081   .2  -.4   .2 96:150
S006 1 1893 C GRIM       .0089 -.0224 -.0156 -.0235 -.0075 -.0146  -.3  -.1  -.1 95: 68
S006 1 1893 C1 CSR       .0256 -.0215  .0138 -.0321  .0034  .0162  -.3   .0   .1 96:234
S008 1 7332 R GIUB       .0039  .0038  .0042  .0010 -.0007  .0068   .2  -.1  1.3 96:263
S008 1 7332 R GSFC       .0008 -.0003  .0008 -.0007  .0002  .0010  -.3   .1   .3 97: 57
S008 1 7332 R SHA        .0010  .0002  .0020 -.0004  .0007  .0020  -.2   .2   .6 96:337

Velocities
M001 1 7561 L CGS       -.0178  .0058  .0120  .0147  .0166  .0001   .0   .0   .0
M001 1 7561 L4 CSR       .1625  .0174  .1654 -.0764  .0171  .2189  -.1   .0   .3
M001 1 7561 L DEOS       .0426 -.0060 -.0292 -.0288 -.0433  .0024   .0   .0   .0
M001 1 7561 C GRIM       .0400 -.0732  .0093 -.0830  .0121  .0010  -.1   .0   .0
S003 1 1873 L AUS       -.0003 -.0054  .0049 -.0044  .0058  .0011  -.1   .1   .0
S003 1 1873 L CGS       -.0025  .0022  .0146  .0032  .0110  .0096   .4  1.1  1.0
S003 1 1873 L CRL        .0044  .0153  .0192  .0102  .0052  .0221   .5   .2   .8
S003 1 1873 L4 CSR      -.0048 -.0021  .0008  .0009  .0042 -.0031   .0   .0   .0
S003 1 1873 L DEOS      -.0191 -.0024  .0064  .0087  .0166 -.0078   .3   .7  -.3
S003 1 1873 L JCET       .0283 -.0051  .0417 -.0200  .0154  .0439  -.1   .0   .1
S003 1 1873 C GRIM       .0400 -.0732  .0093 -.0830  .0121  .0010  -.1   .0   .0
S003 1 1873 C1 CSR       .0139  .0035  .0223 -.0049  .0065  .0252  -.1   .1   .3
S006 1 1893 L AUS       -.0014  .0024  .0134  .0028  .0095  .0095   .2   .6   .6
S006 1 1893 L CGS       -.0003  .0010  .0037  .0009  .0024  .0028   .1   .3   .3
S006 1 1893 L CRL       -.0001 -.0013 -.0019 -.0010 -.0008 -.0019  -.1  -.1  -.2
S006 1 1893 L4 CSR      -.0020  .0010  .0042  .0019  .0038  .0022   .0   .0   .0
S006 1 1893 L DEOS       .0426 -.0060 -.0293 -.0288 -.0433  .0024   .0   .0   .0
S006 1 1893 L JCET       .0006 -.0095  .0002 -.0082  .0035 -.0033  -.3   .1  -.1
S006 1 1893 C GRIM       .0024 -.0039  .0012 -.0046  .0010  .0007  -.2   .0   .0
S006 1 1893 C1 CSR      -.0003  .0017 -.0043  .0016 -.0035 -.0025   .0  -.1   .0
S008 1 7332 R GIUB       .0000 -.0015 -.0014 -.0012 -.0004 -.0016  -.5  -.1  -.6
S008 1 7332 R GSFC      -.0001 -.0004 -.0013 -.0003 -.0007 -.0012  -.2  -.4  -.7
S008 1 7332 R SHA        .0000  .0007  .0001  .0006 -.0002  .0003   .3  -.1   .2

12338 BADARY

Positions
S001 1 BADA D GRGS       .0369  .0306 -.0043 -.0425 -.0200  .0103 -2.4 -1.5   .8 96:126
S001 1 BADA D9 IGN      -.0006 -.0295  .0120  .0068  .0300 -.0084   .4  1.8  -.5 96:325
S001 1 BADA C GRIM       .0008 -.0086 -.0075  .0011  .0021 -.0112   .1   .2 -1.2 96:135
S001 1 BADA C1 CSR       .0001  .0053 -.0011 -.0012 -.0047  .0023  -.3  -.9   .4 96:298

Velocities
S001 1 BADA D GRGS      -.0004  .0007 -.0049  .0003 -.0036 -.0033   .0  -.4  -.4
S001 1 BADA D9 IGN      -.0056 -.0034 -.0044  .0062 -.0010 -.0048   .7  -.1  -.6
S001 1 BADA C GRIM       .0053 -.0024 -.0013 -.0047  .0019 -.0031  -.6   .4  -.6
S001 1 BADA C1 CSR       .0011  .0023  .0001 -.0015 -.0015  .0013  -.7  -.6   .5

12339 PARAMUSHIR (ILES

Positions
S001 1 PASB C GRIM       .0011 -.0076  .0017  .0065  .0042 -.0013   .1   .1   .0 96:356

Velocities
S001 1 PASB C GRIM       .0045  .0139 -.0024 -.0145 -.0027 -.0009  -.1   .0   .0

12340 MAIDANAK

Positions
S002 1 1864 L CGS       -.0058  .0064  .0075  .0078  .0036  .0076   .6   .2   .5 97: 17
S002 1 1864 L CRL       -.0153 -.0111  .0144  .0097  .0214 -.0037   .4   .9  -.2 96:126
S002 1 1864 L4 CSR      -.0032  .0233  .0444  .0121  .0220  .0435   .1   .1   .1 99:183
S002 1 1864 C GRIM       .0279 -.0048  .0040 -.0275 -.0009  .0075 -1.1   .0   .3 97:137
S002 1 1864 C1 CSR       .0019 -.0207 -.0078 -.0098  .0053 -.0192  -.3   .1  -.4 97:270
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Velocities
S002 1 1864 L CGS       -.0026 -.0009 -.0008  .0020  .0005 -.0020   .3   .1  -.2
S002 1 1864 L CRL       -.0010 -.0001  .0009  .0009  .0010  .0002   .1   .1   .0
S002 1 1864 L4 CSR      -.0044 -.0036 -.0058  .0026 -.0013 -.0076   .1   .0  -.1
S002 1 1864 C GRIM       .0042  .0015 -.0031 -.0033 -.0043  .0004  -.3  -.2   .0
S002 1 1864 C1 CSR      -.0071  .0076  .0021  .0095 -.0010  .0046   .4   .0   .1

12341 KOMSOMOLSK-NA-AM

Positions
S001 1 1868 L AUS       -.0185 -.0190  .0081  .0265  .0048  .0066  1.0   .2   .3 99: 65
S001 1 1868 L CRL       -.0458 -.0284  .0393  .0520  .0141  .0392  1.3   .3   .8 96:263
S001 1 1868 L4 CSR       .0243  .1085  .0668 -.0957 -.0015  .0876  -.4   .0   .2 99:287
S001 1 1868 L DEOS      -.0410 -.1901  .0169  .1665  .0884 -.0505   .2   .1   .0 96:120
S001 1 1868 L DGFI      -.0142 -.0444 -.0096  .0421  .0095 -.0202  1.0   .2  -.5 97:191
S001 1 1868 L JCET       .0070  .0093 -.0014 -.0115 -.0019 -.0003  -.6  -.1   .0 95: 83
S001 1 1868 C GRIM      -.0017  .0704  .0397 -.0501 -.0132  .0621  -.1   .0   .1 98:281
S001 1 1868 C1 CSR       .0411  .0231  .0462 -.0449  .0402  .0268  -.5   .4   .2 97:320

Velocities
S001 1 1868 L AUS        .0028  .0035 -.0082 -.0045 -.0055 -.0061  -.2  -.3  -.4
S001 1 1868 L CRL        .0077  .0465  .0008 -.0391 -.0198  .0172 -1.9  -.8   .6
S001 1 1868 L4 CSR      -.0005  .0633  .0164 -.0457 -.0235  .0404  -.5  -.2   .4
S001 1 1868 L DEOS       .0279  .0694 -.0144 -.0697 -.0302  .0061  -.4  -.2   .0
S001 1 1868 L DGFI       .0292  .0402 -.0100 -.0493 -.0112 -.0038 -1.8  -.4  -.2
S001 1 1868 L JCET      -.0272  .0034  .0278  .0162  .0005  .0355   .3   .0   .5
S001 1 1868 C GRIM       .0342  .0259 -.0037 -.0423  .0032 -.0074  -.1   .0   .0
S001 1 1868 C1 CSR       .0054  .0596 -.0104 -.0471 -.0351  .0153 -1.0  -.6   .2

12342 USSURIISK

Positions
S001 1 7247 R SHA        .0013 -.0003 -.0012 -.0007 -.0001 -.0016   .0   .0   .0 92: 72

Velocities
S001 1 7247 R SHA        .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

12343 BALKHASH

Positions
S001 1 1869 C GRIM       .0066 -.0013 -.0028 -.0067 -.0024 -.0015   .0   .0   .0 93:245

Velocities
S001 1 1869 C GRIM       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

12344 EVPATORIA

Positions
S001 1 1867 C GRIM       .0099 -.0055 -.0001 -.0101 -.0038  .0036   .0   .0   .0 94:  2

Velocities
S001 1 1867 C GRIM       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

12348 POLIGAN/BISHKEK

Positions
M001 1 POL2 P CODE       .0031 -.0030  .0052 -.0038  .0052  .0020 -1.3  1.2   .5 98:113
M001 1 POL2 P IGS       -.0002  .0014  .0006  .0005 -.0005  .0013   .5  -.3   .8 98:192
M001 1 POL2 P1 JPL      -.0004 -.0019 -.0012 -.0001  .0004 -.0022   .0   .2  -.9 97:356
M001 1 POL2 P NCL       -.0004 -.0006 -.0002  .0002  .0003 -.0007   .1   .1  -.3 98: 86
M001 1 POL2 P NOAA       .0009 -.0010 -.0039 -.0011 -.0024 -.0032  -.4  -.7  -.9 98:188

Velocities
M001 1 POL2 P CODE       .0005  .0000 -.0025 -.0005 -.0019 -.0016  -.3  -.6  -.5
M001 1 POL2 P IGS        .0001  .0004 -.0002  .0000 -.0004  .0001   .0  -.3   .1
M001 1 POL2 P1 JPL      -.0003 -.0016  .0000 -.0001  .0011 -.0012  -.1   .5  -.5
M001 1 POL2 P NCL        .0002  .0000 -.0007 -.0002 -.0006 -.0004  -.1  -.2  -.2
M001 1 POL2 P NOAA      -.0012 -.0004 -.0010  .0011 -.0002 -.0012   .3  -.1  -.3

12349 KRASNOYARSK
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Positions
M002 1 KSTU TIE12349     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 KSTU P CODE       .0034 -.0026  .0041 -.0033  .0045  .0018 -1.2  1.0   .3 98:259
M002 1 KSTU P GFZ        .0024  .0041  .0032 -.0026 -.0015  .0048 -1.2  -.4  1.1 99: 27
M002 1 KSTU P IGS       -.0009  .0008 -.0003  .0009 -.0008  .0002   .8  -.4   .1 98:339
M002 1 KSTU P1 JPL       .0003 -.0018 -.0003 -.0002  .0014 -.0013  -.1   .3  -.3 98:277
M002 1 KSTU P NOAA       .0004 -.0030 -.0068 -.0003 -.0013 -.0073  -.1  -.3 -1.8 98:245
S001 1 KRAB TIE12349    -.0001  .0002  .0002  .0001  .0000  .0003   .0   .0   .1 97:  1
S001 1 KRAB D9 IGN      -.0041 -.0304 -.0346  .0056  .0057 -.0456   .1   .1 -1.0 98:347
S001 1 KRAB C GRIM       .0481 -.0531 -.0199 -.0454  .0348 -.0475  -.4   .4  -.5 99:150
S001 1 KRAB C1 CSR       .0033  .0015 -.0292 -.0033 -.0175 -.0234  -.2  -.7 -1.1 99:233

Velocities
M002 1 KSTU P CODE       .0012  .0015  .0001 -.0013 -.0012  .0009  -.7  -.2   .1
M002 1 KSTU P GFZ       -.0011  .0027  .0055  .0010  .0008  .0061   .5   .2  1.3
M002 1 KSTU P IGS       -.0002 -.0007 -.0018  .0002 -.0005 -.0019   .2  -.2  -.7
M002 1 KSTU P1 JPL       .0030 -.0007 -.0011 -.0030  .0001 -.0014  -.7   .0  -.2
M002 1 KSTU P NOAA       .0037 -.0024 -.0031 -.0036  .0004 -.0040  -.9   .1  -.6
S001 1 KRAB D9 IGN      -.0057  .0019  .0016  .0056 -.0010  .0026   .1   .0   .1
S001 1 KRAB C GRIM       .0924 -.0623  .0824 -.0893  .1015  .0310  -.1   .1   .0
S001 1 KRAB C1 CSR      -.0134  .0106 -.0311  .0128 -.0267 -.0195   .1  -.2  -.1

12350 SVETLOE

Positions
M001 1 SVTL P EUR       -.0012 -.0009 -.0018 -.0002  .0004 -.0023  -.1   .1  -.5 98:277

Velocities
M001 1 SVTL P EUR       -.0001  .0000  .0005  .0000  .0003  .0004   .0   .1   .1

12351 ZELENCHUKSKAYA

Positions
M001 1 ZECK P CODE       .0007 -.0039  .0030 -.0034  .0036  .0007 -1.0   .8   .1 98:255
M001 1 ZECK P GFZ        .0027  .0009  .0006 -.0012 -.0014  .0023  -.4  -.4   .7 99: 21
M001 1 ZECK P IGS       -.0002 -.0005 -.0007 -.0002 -.0002 -.0009  -.1  -.1  -.5 99: 12
M001 1 ZECK P NOAA       .0001 -.0015 -.0023 -.0012 -.0011 -.0022  -.4  -.3  -.7 98:269
M001 1 ZECK P EUR        .0011  .0016  .0028  .0004  .0007  .0033   .1   .2  1.0 98:336

Velocities
M001 1 ZECK P CODE      -.0011 -.0014 -.0039 -.0003 -.0016 -.0040  -.1  -.4  -.9
M001 1 ZECK P GFZ        .0018  .0022  .0020  .0005 -.0005  .0034   .2  -.2  1.1
M001 1 ZECK P IGS        .0010  .0007  .0009 -.0001 -.0002  .0015  -.1  -.1   .7
M001 1 ZECK P NOAA      -.0016 -.0022 -.0022 -.0006  .0002 -.0034  -.2   .1  -.8
M001 1 ZECK P EUR       -.0016 -.0007 -.0016  .0006  .0000 -.0023   .1   .0  -.4

12352 SELEZASCHITA

Positions
M001 1 SELE P CODE       .0031 -.0025  .0039 -.0036  .0040  .0014 -1.1   .7   .3 98:365
M001 1 SELE P IGS       -.0002  .0006 -.0006  .0003 -.0008  .0000   .2  -.3   .0 99: 48
M001 1 SELE P1 JPL      -.0001 -.0047 -.0001 -.0009  .0031 -.0035  -.4  1.0 -1.1 98:249
M001 1 SELE P NOAA       .0014  .0009 -.0031 -.0012 -.0031 -.0013  -.4  -.9  -.4 98:245

Velocities
M001 1 SELE P CODE       .0005 -.0020 -.0048 -.0010 -.0022 -.0046  -.3  -.3  -.7
M001 1 SELE P IGS        .0005  .0008  .0011 -.0003  .0001  .0014  -.2   .1   .6
M001 1 SELE P1 JPL      -.0010  .0006 -.0001  .0012 -.0004  .0002   .4  -.1   .0
M001 1 SELE P NOAA      -.0012 -.0018 -.0033  .0007 -.0010 -.0038   .2  -.2  -.8

12353 YAKUTSK

Positions
M001 1 YAKA P CODE       .0038 -.0021  .0006 -.0016  .0038 -.0014  -.5  1.0  -.3 99:  8
M001 1 YAKA P IGS       -.0018  .0004 -.0004  .0012 -.0015  .0003   .8  -.8   .1 99:149
M001 1 YAKA P NOAA       .0017 -.0030 -.0052  .0006  .0006 -.0062   .2   .2 -1.6 98:337

Velocities
M001 1 YAKA P CODE       .0005  .0011 -.0022 -.0010 -.0015 -.0017  -.4  -.4  -.3
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M001 1 YAKA P IGS        .0001 -.0007  .0000  .0004  .0005 -.0003   .2   .3  -.1
M001 1 YAKA P NOAA       .0001 -.0011 -.0027  .0006 -.0005 -.0028   .2  -.1  -.5

12354 MAGADAN

Positions
M001 1 MAGO P CODE       .0040 -.0015  .0014 -.0007  .0044 -.0010  -.2  1.0  -.2 99: 22
M001 1 MAGO P IGS       -.0019  .0003  .0005  .0007 -.0013  .0014   .5  -.7   .6 99:200
M001 1 MAGO P NOAA       .0010 -.0043 -.0076  .0033 -.0013 -.0081   .9  -.3 -1.8 98:344

Velocities
M001 1 MAGO P CODE       .0019 -.0014 -.0034  .0003  .0003 -.0041   .1   .1  -.7
M001 1 MAGO P IGS       -.0006  .0002 -.0003  .0001 -.0007  .0000   .1  -.3   .0
M001 1 MAGO P NOAA       .0024  .0007 -.0035 -.0017 -.0003 -.0039  -.4  -.1  -.6

12355 PETROPAVLOVSK-KA

Positions
M001 1 PETR P CODE       .0031 -.0011  .0036 -.0001  .0048  .0009   .0   .7   .1 98:152
M002 1 PETP P CODE       .0052 -.0025 -.0017  .0005  .0036 -.0048   .1   .6  -.7 99:197
M002 1 PETP P GFZ        .0022  .0031  .0008 -.0037  .0012  .0001 -1.4   .3   .0 99:199
M002 1 PETP P IGS       -.0013 -.0002  .0005  .0006 -.0006  .0011   .4  -.2   .4 99:333
M002 1 PETP P NOAA      -.0013 -.0048 -.0069  .0050 -.0037 -.0059  1.1  -.6 -1.0 99:125

Velocities
M001 1 PETR P CODE       .0013  .0010 -.0060 -.0014 -.0029 -.0053  -.3  -.3  -.5
M002 1 PETP P CODE       .0013  .0010 -.0060 -.0014 -.0029 -.0053  -.3  -.3  -.5
M002 1 PETP P GFZ       -.0002  .0021  .0034 -.0019  .0012  .0033  -.6   .3   .6
M002 1 PETP P IGS       -.0011 -.0013 -.0013  .0016 -.0012 -.0007   .5  -.2  -.1
M002 1 PETP P NOAA       .0066  .0005 -.0034 -.0029  .0027 -.0062  -.3   .2  -.5

12356 GOLOSIIV - KIEV

Positions
M001 1 GLSV P CODE       .0024 -.0016  .0044 -.0026  .0019  .0042  -.8   .4   .9 99:  6
M001 1 GLSV P IGS        .0013 -.0001  .0005 -.0008 -.0005  .0010  -.4  -.2   .4 99:204
M001 1 GLSV P NOAA      -.0020 -.0034 -.0047 -.0019 -.0004 -.0058  -.7  -.1 -1.8 99: 42
M001 1 GLSV P EUR        .0010  .0010  .0019  .0003  .0002  .0023   .1   .0   .7 99: 76

Velocities
M001 1 GLSV P CODE      -.0004  .0002 -.0023  .0004 -.0013 -.0019   .1  -.3  -.4
M001 1 GLSV P IGS        .0007 -.0001  .0006 -.0005 -.0001  .0008  -.2   .0   .2
M001 1 GLSV P NOAA      -.0002  .0009  .0011  .0008  .0005  .0011   .2   .1   .2
M001 1 GLSV P EUR       -.0004  .0002 -.0003  .0004  .0000 -.0004   .1   .0  -.1

12360 TIXI

Positions
M001 1 TIXI P CODE       .0038 -.0030 -.0014 -.0011  .0041 -.0028  -.3  1.0  -.4 99:182
M001 1 TIXI P GFZ        .0013  .0026  .0053 -.0027  .0005  .0054 -1.2   .2  1.0 99:202
M001 1 TIXI P IGS       -.0001  .0003  .0002 -.0001 -.0002  .0003   .0  -.1   .1 99:350
M001 1 TIXI P NOAA       .0014 -.0026 -.0113  .0005 -.0008 -.0116   .2  -.2 -1.8 99:184

Velocities
M001 1 TIXI P CODE       .0012 -.0012 -.0067 -.0002 -.0005 -.0069   .0  -.1  -.5
M001 1 TIXI P GFZ        .0001 -.0035  .0017  .0021  .0031  .0008   .8   .8   .1
M001 1 TIXI P IGS       -.0001  .0012  .0011 -.0007 -.0006  .0013  -.3  -.2   .2
M001 1 TIXI P NOAA      -.0016  .0029 -.0039 -.0006 -.0043 -.0027  -.1  -.5  -.2

12362 ARTI

Positions
M001 1 ARTU P CODE       .0029 -.0020  .0010 -.0035  .0007  .0007  -.8   .1   .1 99:343
M001 1 ARTU P GFZ        .0067  .0073  .0111 -.0019 -.0019  .0146  -.5  -.3  2.2  0: 27
M001 1 ARTU P IGS       -.0009 -.0015 -.0030 -.0001 -.0002 -.0035   .0  -.1 -1.1  0:111

Velocities
M001 1 ARTU P CODE       .0376  .0404  .0719 -.0110 -.0053  .0898  -.5  -.2  2.1
M001 1 ARTU P GFZ        .0000  .0000  .0001  .0000  .0001  .0000   .0   .1   .0
M001 1 ARTU P IGS        .0002  .0005 -.0016  .0000 -.0013 -.0011   .0  -.2  -.1
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12363 BILIBINO

Positions
M001 1 BILI P CODE       .0049 -.0032 -.0044  .0019  .0035 -.0061   .4   .4  -.4 99:306
M001 1 BILI P GFZ       -.0004  .0046  .0120 -.0043  .0031  .0116  -.7   .3   .6 99:361

Velocities
M001 1 BILI P CODE      -.0295  .0093  .1079 -.0021  .0117  .1116   .0   .1   .4
M001 1 BILI P GFZ        .0194 -.0010  .0338 -.0035  .0303  .0243  -.2  1.3   .6

12602 DIONYSOS

Positions
M002 1 7515 TIE12602     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7515 L CGS        .0073  .0193 -.0138  .0147 -.0198  .0029   .9  -.9   .1 88: 16
M002 1 7515 L4 CSR       .0058 -.0011  .0058 -.0034  .0016  .0074  -.1   .0   .1 88: 51
M002 1 7515 L DEOS      -.0025  .0059  .0080  .0064  .0062  .0050   .2   .2   .2 88:236
M002 1 7515 C GRIM       .0001 -.0259  .0356 -.0237  .0345  .0138  -.6   .8   .3 93:  1
S001 1 7940 L4 CSR       .0040 -.0035 -.0123 -.0048 -.0110 -.0058   .0   .0   .0 84:168
S011 1 DIOA TIE12602    -.0015 -.0015  .0070 -.0008  .0067  .0028  -.1   .7   .3 97:  1
S011 1 DIOA D GRGS      -.0503 -.0140 -.0030  .0076  .0295 -.0426   .2  1.2 -1.6 96: 83
S011 1 DIOA D9 IGN       .0167  .0261 -.0349  .0171 -.0434 -.0011   .6 -1.7   .0 97:  6
S011 1 DIOA C GRIM      -.0067 -.0097 -.0185 -.0062 -.0084 -.0193  -.2  -.5 -1.0 95:329
S011 1 DIOA C1 CSR       .0070  .0039  .0031  .0007 -.0025  .0082   .1  -.3   .8 97:174

Velocities
M002 1 7515 L CGS        .0071 -.0048  .0041 -.0072  .0004  .0061  -.7   .0   .4
M002 1 7515 L4 CSR       .0053 -.0011  .0056 -.0032  .0017  .0069  -.4   .1   .5
M002 1 7515 L DEOS       .0047 -.0008 -.0017 -.0027 -.0038  .0021  -.2  -.3   .2
M002 1 7515 C GRIM       .0534 -.1024 -.0074 -.1152 -.0103  .0011  -.1   .0   .0
S001 1 7940 L4 CSR      -.0787  .0481  .0758  .0758  .0920  .0055   .0   .0   .0
S011 1 DIOA D GRGS       .0055  .0027  .0031  .0002 -.0014  .0067   .0  -.1   .4
S011 1 DIOA D9 IGN       .0021 -.0064  .0018 -.0067  .0019  .0006  -.4   .1   .0
S011 1 DIOA C GRIM       .0016 -.0079  .0103 -.0078  .0091  .0050  -.9  1.2   .6
S011 1 DIOA C1 CSR       .0011 -.0040 -.0012 -.0041 -.0006 -.0012  -.6  -.1  -.2

12612 ASKITES

Positions
M001 1 7510 L CGS       -.0024  .0026 -.0217  .0034 -.0157 -.0150   .2  -.7  -.7 88:163
M001 1 7510 L4 CSR       .0115 -.0030  .0035 -.0077 -.0033  .0091  -.2  -.1   .2 88: 99
M001 1 7510 L DEOS      -.0079  .0065 -.0065  .0093 -.0021 -.0075   .3  -.1  -.2 88:338
M001 1 7510 C GRIM      -.0117  .0108 -.0213  .0148 -.0122 -.0184   .9  -.5  -.8 89: 97

Velocities
M001 1 7510 L CGS        .0057  .0114  .0034  .0078 -.0040  .0098   .9  -.3   .8
M001 1 7510 L4 CSR       .0014  .0144 -.0063  .0124 -.0097  .0015  1.4  -.7   .1
M001 1 7510 L DEOS      -.0011  .0114 -.0170  .0108 -.0154 -.0082   .8 -1.1  -.6
M001 1 7510 C GRIM      -.0006  .0090 -.0069  .0083 -.0074 -.0020   .8  -.5  -.1

12613 ROUMELLI

Positions
M001 1 7517 L CGS       -.0020  .0094 -.0192  .0094 -.0169 -.0094   .6  -.9  -.5 88:213
M001 1 7517 L4 CSR       .0034  .0012 -.0009 -.0003 -.0028  .0025   .0  -.1   .1 88:224
M001 1 7517 L DEOS      -.0130 -.0049 -.0034  .0010  .0053 -.0133   .0   .1  -.4 88:160
M001 1 7517 C GRIM      -.0116  .0044 -.0208  .0088 -.0119 -.0191   .4  -.4  -.6 88: 80

Velocities
M001 1 7517 L CGS       -.0002  .0070 -.0046  .0065 -.0053 -.0004  1.0  -.6   .0
M001 1 7517 L4 CSR      -.0001  .0084 -.0052  .0076 -.0062 -.0002  1.2  -.7   .0
M001 1 7517 L DEOS      -.0073  .0053 -.0095  .0079 -.0052 -.0091   .5  -.3  -.6
M001 1 7517 C GRIM       .0017 -.0047 -.0007 -.0050 -.0004 -.0008  -.2   .0   .0

12614 KARITSA

Positions
M001 1 7520 L CGS       -.0024  .0147 -.0210  .0146 -.0181 -.0111   .6  -.5  -.3 87:176
M001 1 7520 L4 CSR      -.0030 -.0010 -.0066  .0001 -.0030 -.0067   .0   .0  -.1 91: 99
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M001 1 7520 L DEOS       .0011  .0047  .0059  .0040  .0028  .0059   .1   .1   .2 91:184
M001 1 7520 C GRIM      -.0099 -.0056 -.0170 -.0017 -.0059 -.0195  -.1  -.3  -.9 91:345

Velocities
M001 1 7520 L CGS        .0061  .0088  .0134  .0061  .0047  .0153   .5   .2   .7
M001 1 7520 L4 CSR       .0024  .0013  .0057  .0004  .0026  .0057   .0   .2   .3
M001 1 7520 L DEOS       .0034 -.0028 -.0023 -.0038 -.0032  .0002  -.5  -.4   .0
M001 1 7520 C GRIM       .0029 -.0050  .0023 -.0057  .0012  .0022 -1.2   .2   .4

12615 KATAVIA

Positions
M001 1 7512 L CGS        .0119  .0045 -.0042 -.0015 -.0109  .0078  -.1  -.5   .4 89:194
M001 1 7512 L4 CSR       .0039  .0012 -.0067 -.0007 -.0078 -.0007   .0  -.2   .0 89:147
M001 1 7512 L DEOS      -.0115 -.0041 -.0135  .0017 -.0039 -.0177   .1  -.1  -.6 89:277
M001 1 7512 C GRIM      -.0017  .0132 -.0028  .0124 -.0050  .0022   .8  -.3   .1 90:114

Velocities
M001 1 7512 L CGS       -.0020  .0053 -.0039  .0056 -.0036 -.0017   .8  -.4  -.2
M001 1 7512 L4 CSR      -.0006  .0071 -.0045  .0065 -.0053 -.0004   .9  -.6   .0
M001 1 7512 L DEOS      -.0019  .0059 -.0099  .0061 -.0086 -.0049   .6  -.7  -.5
M001 1 7512 C GRIM       .0086  .0046  .0006  .0000 -.0053  .0082   .0  -.6  1.0

12616 XRISOKALARIA

Positions
M001 1 7525 L CGS       -.0019  .0094 -.0160  .0095 -.0139 -.0081   .6  -.7  -.4 90: 47
M001 1 7525 L CRL       -.0088  .0242 -.0066  .0258 -.0058 -.0033   .9  -.1  -.1 92:102
M001 1 7525 L4 CSR      -.0063 -.0051 -.0085 -.0024 -.0022 -.0113  -.1   .0  -.2 91: 84
M001 1 7525 L DEOS      -.0033  .0054  .0017  .0063  .0020  .0002   .3   .1   .0 90:284
M001 1 7525 C GRIM      -.0096  .0053 -.0117  .0085 -.0052 -.0125   .4  -.2  -.4 89:257
M001 1 7525 C1 CSR      -.0052 -.0052 -.0129 -.0029 -.0063 -.0132  -.1  -.2  -.3 94:248

Velocities
M001 1 7525 L CGS       -.0010 -.0035 -.0004 -.0029  .0010 -.0020  -.5   .1  -.3
M001 1 7525 L CRL        .0017  .0025 -.0009  .0017 -.0022  .0015   .1  -.1   .1
M001 1 7525 L4 CSR      -.0021 -.0010 -.0039 -.0001 -.0017 -.0042   .0  -.2  -.5
M001 1 7525 L DEOS       .0028  .0012 -.0008  .0000 -.0025  .0019   .0  -.3   .3
M001 1 7525 C GRIM       .0012 -.0060  .0016 -.0060  .0019  .0000  -.6   .2   .0
M001 1 7525 C1 CSR       .0717  .0112  .0498 -.0163 -.0025  .0865   .0   .0   .2

12706 LAMPEDUSA

Positions
M001 1 7544 TIE12706     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7544 L AUS       -.0607  .0559  .0594  .0678  .0757 -.0038  1.3  1.5  -.1 96: 92
M001 1 7544 L CGS       -.0033  .0125 -.0221  .0129 -.0177 -.0132   .7  -.6  -.4 88:331
M001 1 7544 L4 CSR      -.0044 -.0004 -.0020  .0006  .0009 -.0048   .0   .0  -.1 90:127
M001 1 7544 L DEOS      -.0087  .0108  .0053  .0124  .0079 -.0019   .4   .3  -.1 90:163
M001 1 7544 C GRIM      -.0015  .0064 -.0087  .0066 -.0070 -.0051   .3  -.2  -.2 89:101
M001 1 7544 C1 CSR      -.0009  .0151 -.0078  .0149 -.0078 -.0025   .5  -.2  -.1 92:322
M002 1 LAMP TIE12706    -.0009  .0011  .0003  .0013  .0006 -.0004   .2   .1  -.1 97:  1
M002 1 LAMP P EUR        .0039  .0009  .0031  .0001  .0003  .0051   .0   .0   .6 99:264

Velocities
M001 1 7544 L AUS       -.0181  .0290  .0153  .0323  .0191 -.0004  1.0   .7   .0
M001 1 7544 L CGS       -.0013 -.0083  .0000 -.0078  .0018 -.0025  -.7   .1  -.1
M001 1 7544 L4 CSR      -.0034  .0007  .0000  .0015  .0018 -.0026   .2   .1  -.2
M001 1 7544 L DEOS      -.0006 -.0021 -.0035 -.0019 -.0022 -.0028  -.1  -.2  -.2
M001 1 7544 C GRIM       .0491 -.0294  .0420 -.0394  .0101  .0582 -2.0   .3  1.5
M001 1 7544 C1 CSR      -.1619  .0395 -.0828  .0738  .0194 -.1698   .1   .0  -.1
M002 1 LAMP P EUR       -.0093  .0024 -.0014  .0044  .0039 -.0078   .3   .1  -.2

12711 MEDICINA

Positions
M002 1 7546 TIE12711     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7546 L4 CSR       .1974 -.0635  .1870 -.1020  .0068  .2598  -.3   .0   .2 88:150
M003 1 MEDI TIE12711    -.0012  .0046  .0003  .0048  .0004  .0000  2.6   .2   .0 97:  1
M003 1 MEDI P CODE      -.0010 -.0038  .0017 -.0035  .0024 -.0001 -1.1   .5   .0 99: 58
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M003 1 MEDI P IGS        .0003 -.0008 -.0006 -.0008 -.0006 -.0003  -.6  -.2  -.1 99:240
M003 1 MEDI P1 JPL      -.0003  .0011  .0004  .0011  .0004  .0002   .7   .2   .1 98: 86
M003 1 MEDI P NOAA       .0009  .0013  .0017  .0011  .0004  .0020   .5   .1   .8 98: 18
M003 1 MEDI P EUR       -.0017  .0000 -.0009  .0003  .0006 -.0018   .3   .2  -.7 98: 63
M003 1 MEDI P REGAL     -.0014  .0003  .0003  .0006  .0011 -.0007   .6   .6  -.4 98:332
S001 1 7230 TIE12711     .0005 -.0021 -.0031 -.0021 -.0023 -.0021 -1.5  -.6  -.6 97:  1
S001 1 7230 R GIUB      -.0004  .0017 -.0006  .0018 -.0004 -.0004   .8  -.1  -.1 94:354
S001 1 7230 R GSFC       .0020  .0013  .0022  .0009  .0000  .0031   .9   .0  1.4 94: 65
S001 1 7230 R SHA        .0025  .0029  .0016  .0023 -.0010  .0033  1.4  -.3  1.1 96:145
S001 2 7230 R GIUB      -.0010 -.0011 -.0021 -.0008 -.0007 -.0024  -.3  -.2  -.7 97:  1
S001 2 7230 R GSFC       .0019 -.0006  .0013 -.0010 -.0003  .0022  -.9  -.1   .9 97:  1
S001 2 7230 R SHA        .0046  .0000  .0054 -.0009  .0006  .0070  -.6   .2  2.6 97:  1

Velocities
M002 1 7546 L4 CSR       .1506  .1186  .0547  .0857 -.0812  .1606   .0   .0   .1
M003 1 MEDI P CODE       .0000  .0014 -.0008  .0013 -.0008 -.0003   .5  -.1   .0
M003 1 MEDI P IGS       -.0034  .0005 -.0055  .0012 -.0017 -.0062   .7  -.5 -1.7
M003 1 MEDI P1 JPL      -.0018 -.0016 -.0021 -.0012  .0000 -.0030  -.6   .0 -1.0
M003 1 MEDI P NOAA      -.0033 -.0022 -.0017 -.0015  .0014 -.0038  -.9   .7 -1.8
M003 1 MEDI P EUR       -.0006 -.0019 -.0005 -.0017  .0004 -.0010 -1.9   .1  -.4
M003 1 MEDI P REGAL     -.0003 -.0008 -.0001 -.0007  .0002 -.0004  -.9   .1  -.3
S001 1 7230 R GIUB       .0001  .0007 -.0004  .0006 -.0004 -.0001   .7  -.4  -.1
S001 1 7230 R GSFC       .0000  .0006  .0000  .0006 -.0001  .0001  2.2  -.2   .2
S001 1 7230 R SHA       -.0002  .0006 -.0006  .0006 -.0003 -.0005   .6  -.3  -.4
S001 2 7230 R GIUB      -.0169  .0169  .0070  .0199  .0142 -.0045   .0   .0   .0
S001 2 7230 R GSFC      -.0327 -.0147  .0061 -.0078  .0289 -.0207   .0   .0   .0
S001 2 7230 R SHA       -.0193  .0169  .0105  .0205  .0184 -.0037   .0   .0   .0

12712 GENOVA

Positions
M002 1 GENO P NOAA      -.0026  .0000 -.0005  .0004  .0015 -.0022   .1   .4  -.6 99: 87
M002 1 GENO P EUR        .0017  .0000  .0017 -.0003  .0000  .0024  -.2   .0   .4 99:178
M002 1 GENO P REGAL      .0001  .0007  .0011  .0007  .0006  .0009   .7   .2   .4 99:137

Velocities
M002 1 GENO P NOAA      -.0026  .0009 -.0001  .0013  .0016 -.0017   .3   .2  -.2
M002 1 GENO P EUR        .0003  .0021  .0004  .0021 -.0002  .0007   .3   .0   .0
M002 1 GENO P REGAL      .0005  .0001  .0003  .0000 -.0001  .0006   .0   .0   .1

12717 NOTO

Positions
M001 1 7543 TIE12717     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7543 L CGS        .0249  .0167 -.0223  .0097 -.0349  .0093   .5 -1.1   .3 92: 72
M001 1 7543 L4 CSR      -.0065  .0065  .0057  .0079  .0073 -.0003   .2   .1   .0 92:116
M001 1 7543 L DEOS      -.0021  .0025 -.0155  .0030 -.0116 -.0104   .1  -.4  -.3 92:146
M001 1 7543 C GRIM      -.0005  .0064 -.0033  .0063 -.0034 -.0010   .4  -.1   .0 91:216
M001 1 7543 C1 CSR      -.0148  .0043 -.0046  .0080  .0042 -.0133   .3   .1  -.3 93:249
M003 1 NOTO TIE12717    -.0010  .0016  .0032  .0018  .0029  .0015  1.0  1.6   .8 97:  1
M003 1 NOTO P CODE       .0030  .0005  .0078 -.0003  .0044  .0071  -.1   .7  1.2 99:137
M003 1 NOTO P IGS       -.0060 -.0020 -.0038 -.0004  .0007 -.0073  -.3   .3 -2.8 98:159
M003 1 NOTO P1 JPL      -.0015 -.0006 -.0013 -.0002 -.0001 -.0020  -.1   .0  -.8 97:286
M003 1 NOTO P NCL       -.0014 -.0002 -.0010  .0002  .0000 -.0017   .1   .0  -.7 97:157
M003 1 NOTO P NOAA      -.0043 -.0009  .0012  .0003  .0036 -.0028   .1   .8  -.6 99: 42
M003 1 NOTO P EUR       -.0016  .0005  .0005  .0009  .0012 -.0008   .6   .4  -.2 98:136
S001 1 7547 TIE12717     .0041 -.0059 -.0132 -.0068 -.0120 -.0059 -2.2 -3.8 -1.9 97:  1
S001 1 7547 R GIUB       .0051  .0029  .0035  .0015 -.0006  .0067   .6  -.2  1.9 96: 22
S001 1 7547 R GSFC       .0036  .0014  .0033  .0004  .0004  .0051   .3   .1  1.5 96:245
S001 1 7547 R SHA       -.0002  .0007  .0004  .0007  .0003  .0002   .4   .1   .1 96:290

Velocities
M001 1 7543 L CGS        .0085  .0011 -.0018 -.0012 -.0065  .0057  -.1  -.3   .3
M001 1 7543 L4 CSR       .0014 -.0050  .0048 -.0052  .0038  .0030  -.2   .1   .1
M001 1 7543 L DEOS       .0007 -.0091  .0012 -.0089  .0020 -.0007  -.4   .1   .0
M001 1 7543 C GRIM       .0073 -.0053 -.0036 -.0070 -.0063  .0024  -.5  -.3   .1
M001 1 7543 C1 CSR       .0897 -.0002  .2087 -.0234  .1150  .1945   .0   .1   .2
M003 1 NOTO P CODE       .0011  .0013  .0008  .0010 -.0003  .0016   .2   .0   .2
M003 1 NOTO P IGS        .0033  .0018  .0037  .0009  .0008  .0051   .9   .5  3.0
M003 1 NOTO P1 JPL       .0001  .0004  .0010  .0004  .0007  .0008   .3   .3   .4
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M003 1 NOTO P NCL       -.0026  .0002 -.0009  .0008  .0007 -.0025   .6   .3 -1.1
M003 1 NOTO P NOAA      -.0022  .0000 -.0009  .0005  .0005 -.0022   .2   .2  -.6
M003 1 NOTO P EUR       -.0005  .0013  .0013  .0014  .0012  .0006   .9   .4   .2
S001 1 7547 R GIUB       .0012 -.0003  .0002 -.0006 -.0005  .0010  -.5  -.4   .8
S001 1 7547 R GSFC       .0000 -.0006 -.0006 -.0006 -.0004 -.0005 -1.8  -.8  -.8
S001 1 7547 R SHA        .0001 -.0004 -.0006 -.0004 -.0004 -.0004  -.4  -.4  -.3

12718 TRIESTE

Positions
M002 1 7550 L CGS        .0271  .0410  .0110  .0333 -.0182  .0332   .9  -.3   .5 86:262
M002 1 7550 L4 CSR       .1018  .0538  .0844  .0278 -.0209  .1385   .2  -.1   .4 86:268
M002 1 7550 L DEOS       .0119  .0390  .0628  .0350  .0290  .0595   .4   .4   .8 87:  5
M002 1 7550 C GRIM      -.0111  .0878  .0076  .0879 -.0021  .0126   .3   .0   .0 86:158

Velocities
M002 1 7550 L CGS       -.0054 -.0695  .0295 -.0662  .0363  .0057 -2.3   .6   .1
M002 1 7550 L4 CSR      -.0039 -.0825  .0222 -.0792  .0324 -.0006  -.8   .1   .0
M002 1 7550 L DEOS       .0047 -.0845  .0155 -.0831  .0221  .0001 -1.5   .5   .0
M002 1 7550 C GRIM      -.1003 -.2051 -.0204 -.1751  .0905 -.1170  -.3   .1  -.2

12724 TORINO I

Positions
M002 1 TORI P NOAA      -.0040  .0011 -.0008  .0016  .0021 -.0033   .6   .5  -.8 99: 70
M002 1 TORI P EUR        .0030  .0002  .0029 -.0002  .0000  .0042  -.1   .0   .6 99:202
M002 1 TORI P REGAL      .0004  .0003  .0002  .0003 -.0001  .0005   .4  -.1   .2 98:292

Velocities
M002 1 TORI P NOAA       .0023  .0004  .0016  .0001 -.0005  .0027   .0  -.1   .5
M002 1 TORI P EUR        .0004  .0008 -.0019  .0007 -.0017 -.0010   .1  -.1   .0
M002 1 TORI P REGAL      .0005  .0004  .0004  .0003 -.0001  .0007   .4   .0   .3

12725 CAGLIARI

Positions
M002 1 7545 TIE12725     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7545 L CGS        .0266 -.0187  .0003 -.0227 -.0145  .0183  -.6  -.2   .3 97:  1
M002 1 7545 L CRL        .0019  .0005  .0119  .0002  .0080  .0090   .0   .7   .8 91:169
M002 1 7545 L4 CSR       .0097 -.0004  .0030 -.0019 -.0037  .0093  -.1   .0   .1 88:361
M002 1 7545 L DEOS       .0019  .0085  .0074  .0081  .0037  .0071   .2   .1   .2 93:  1
M002 1 7545 C GRIM       .0053 -.0109  .0024 -.0116 -.0003  .0042  -.5   .0   .1 93:  1
M002 1 7545 C1 CSR      -.0250  .0020 -.0278  .0058 -.0062 -.0364   .1  -.1  -.5 94: 21
M003 1 CAGL TIE12725     .0000  .0000  .0005  .0000  .0004  .0003   .0   .2   .2 97:  1
M003 1 CAGL P CODE       .0032 -.0017  .0063 -.0022  .0030  .0062  -.7   .6  1.2 99: 26
M003 1 CAGL P1 JPL      -.0002  .0001 -.0004  .0001 -.0002 -.0004   .1  -.1  -.2 98: 65
M003 1 CAGL P NOAA       .0007 -.0005  .0006 -.0006  .0001  .0009  -.2   .0   .3 98:  6
M003 1 CAGL P EUR       -.0009  .0004 -.0003  .0005  .0003 -.0008   .5   .1  -.3 98:201
M003 1 CAGL P REGAL     -.0024  .0000  .0027  .0003  .0036 -.0001   .2  1.4   .0 99: 77
S013 1 7548 L AUS       -.0070  .0028  .0106  .0038  .0123  .0017   .1   .3   .0 97:108
S013 1 7548 L CGS       -.0262  .0143 -.0353  .0182 -.0124 -.0406  1.1  -.4 -1.3 97:  6
S013 1 7548 L CRL       -.0292  .0218 -.0023  .0261  .0142 -.0212   .7   .2  -.3 96:284
S013 1 7548 L4 CSR      -.0787  .0167 -.0889  .0288 -.0216 -.1144   .1   .0  -.1 98:134
S013 1 7548 L DEOS       .1213  .0243  .0185  .0051 -.0637  .1076   .1 -1.3  2.1 98:182
S013 1 7548 L JCET      -.0023 -.0062 -.0029 -.0058 -.0002 -.0043  -.7   .0  -.6 95:208
S013 1 7548 C GRIM      -.0297 -.0067 -.0285 -.0020 -.0029 -.0415  -.1   .0  -.6 96:242
S013 1 7548 C1 CSR      -.0175  .0124 -.0374  .0150 -.0193 -.0356   .1  -.1  -.2 97:111

Velocities
M002 1 7545 L CGS       -.0139  .0069  .0151  .0090  .0197 -.0002   .0   .0   .0
M002 1 7545 L CRL        .0004 -.0026  .0055 -.0026  .0043  .0035  -.6   .7   .5
M002 1 7545 L4 CSR      -.0091  .0030 -.0040  .0043  .0023 -.0091   .6   .1  -.4
M002 1 7545 L DEOS       .0369 -.0089 -.0397 -.0145 -.0529  .0021   .0   .0   .0
M002 1 7545 C GRIM       .0051 -.0964  .0129 -.0960  .0163  .0004  -.1   .0   .0
M002 1 7545 C1 CSR       .2575  .0334  .3005 -.0071  .0693  .3910   .0   .1   .6
M003 1 CAGL P CODE      -.0015  .0011 -.0024  .0014 -.0010 -.0025   .6  -.2  -.4
M003 1 CAGL P1 JPL       .0006 -.0008  .0004 -.0009  .0000  .0006  -.5   .0   .2
M003 1 CAGL P NOAA      -.0007 -.0005  .0004 -.0004  .0008 -.0004  -.2   .3  -.2
M003 1 CAGL P EUR        .0006 -.0002  .0007 -.0003  .0001  .0009  -.3   .1   .3
M003 1 CAGL P REGAL     -.0023 -.0004 -.0006  .0000  .0011 -.0022   .0   .4  -.8
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S013 1 7548 L AUS        .0008  .0123 -.0079  .0120 -.0078 -.0029   .4  -.3  -.1
S013 1 7548 L CGS        .0060 -.0053  .0013 -.0062 -.0023  .0048  -.9  -.2   .4
S013 1 7548 L CRL       -.0136  .0003 -.0286  .0025 -.0137 -.0284   .1  -.3  -.7
S013 1 7548 L4 CSR      -.0211  .0195 -.0271  .0225 -.0098 -.0309   .2  -.1  -.2
S013 1 7548 L DEOS       .0024 -.0016 -.0011 -.0019 -.0022  .0010  -.2  -.2   .1
S013 1 7548 L JCET       .0058  .0044  .0195  .0035  .0110  .0173   .3  1.2  1.8
S013 1 7548 C GRIM       .0016 -.0072  .0021 -.0074  .0014  .0017 -1.0   .1   .2
S013 1 7548 C1 CSR      -.0200  .0045 -.0132  .0076  .0018 -.0231   .1   .0  -.1

12734 MATERA

Positions
M004 1 7541 TIE12734     .0003  .0000 -.0003  .0000 -.0004  .0000   .0  -.1   .0 97:  1
M004 1 7541 L CGS       -.0067 -.0704  .0158 -.0655  .0293 -.0099 -3.2  1.0  -.3 97:  1
M004 1 7541 L4 CSR       .0077  .0145 -.0042  .0117 -.0107  .0061   .3  -.1   .1 88:327
M004 1 7541 L DEOS       .0053  .0122  .0128  .0102  .0041  .0148   .3   .1   .4 93:  1
M004 1 7541 C GRIM       .0060  .0069 -.0017  .0049 -.0063  .0048   .2  -.2   .1 93:  1
M004 1 7541 C1 CSR      -.0027  .0071 -.0052  .0075 -.0036 -.0038   .2  -.1  -.1 94:146
M005 1 7540 TIE12734     .0001 -.0002  .0002 -.0002  .0001  .0002  -.1   .0   .0 97:  1
M005 1 7540 L CGS        .0165 -.1122  .0290 -.1122  .0328  .0064 -3.4   .6   .1 97:  1
M005 1 7540 L4 CSR       .0753  .0149  .0386 -.0074 -.0205  .0831  -.1  -.1   .3 86: 61
M005 1 7540 L DEOS       .0092  .0079 -.0061  .0049 -.0118  .0044   .1  -.2   .1 93:  1
M005 1 7540 C GRIM       .0093 -.0027 -.0030 -.0052 -.0076  .0042  -.1  -.1   .1 93:  1
M008 1 MATE TIE12734     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M008 1 MATE P CODE       .0010 -.0022  .0061 -.0023  .0045  .0042  -.9  1.2  1.1 97:329
M008 1 MATE P GFZ       -.0005 -.0014 -.0020 -.0012 -.0010 -.0020  -.7  -.3  -.7 97:287
M008 1 MATE P IGS        .0002 -.0002  .0003 -.0003  .0002  .0003  -.3   .2   .2 98:142
M008 1 MATE P1 JPL       .0015  .0009  .0003  .0004 -.0009  .0015   .2  -.4   .6 98: 91
M008 1 MATE P NCL       -.0015 -.0009 -.0011 -.0004  .0003 -.0020  -.3   .1 -1.0 98: 46
M008 1 MATE P NOAA      -.0046 -.0063 -.0011 -.0047  .0032 -.0054 -1.0   .5  -.8 99: 33
M008 1 MATE P EUR        .0008  .0003  .0007  .0001  .0000  .0011   .1   .0   .5 98:161
M008 1 MATE P REGAL     -.0003  .0012  .0056  .0012  .0042  .0036   .5  1.4  1.2 99:109
S001 1 7939 TIE12734     .0001 -.0020  .0007 -.0020  .0008  .0001  -.6   .3   .0 97:  1
S001 1 7939 L AUS       -.0096 -.0023 -.0082  .0006  .0002 -.0129   .1   .0 -1.3 98:139
S001 1 7939 L CGS        .0202  .0192  .0165  .0126 -.0037  .0296   .2  -.1   .5 93: 71
S001 1 7939 L CRL        .0238  .0124  .0254  .0051  .0021  .0365   .7   .2  3.0 91:224
S001 1 7939 L4 CSR       .0206  .0133  .0174  .0068 -.0022  .0292  1.3  -.2  2.7 89:242
S001 1 7939 L DEOS      -.0028  .0001 -.0007  .0009  .0012 -.0025   .1   .2  -.3 92:186
S001 1 7939 L DGFI      -.0076 -.0019  .0008  .0004  .0057 -.0054   .0   .6  -.5 94:198
S001 1 7939 L JCET       .0065 -.0019  .0048 -.0036  .0000  .0075 -1.2   .0  1.7 96: 98
S005 1 7243 TIE12734     .0091 -.0079 -.0007 -.0102 -.0047  .0044 -1.3  -.6   .6 97:  1
S005 1 7243 R GIUB       .0000  .0003 -.0002  .0003 -.0003  .0000   .1  -.1   .0 95:359
S005 1 7243 R GSFC       .0028  .0012  .0026  .0003  .0000  .0040   .3   .0  1.8 96:214
S005 1 7243 R SHA        .0025  .0008  .0025  .0001  .0002  .0036   .1   .1  1.4 96:320

Velocities
M004 1 7541 L CGS       -.0191  .0069  .0168  .0121  .0234 -.0015   .0   .0   .0
M004 1 7541 L4 CSR      -.0052 -.0016 -.0014  .0000  .0025 -.0050   .0   .1  -.2
M004 1 7541 L DEOS       .0348 -.0079 -.0349 -.0176 -.0467  .0008   .0   .0   .0
M004 1 7541 C GRIM       .0133 -.0909  .0143 -.0909  .0195 -.0008  -.1   .0   .0
M004 1 7541 C1 CSR       .1826 -.1175  .2102 -.1651  .0676  .2440  -.1   .0   .1
M005 1 7540 L CGS       -.0191  .0069  .0168  .0121  .0234 -.0015   .0   .0   .0
M005 1 7540 L4 CSR      -.0564 -.1452 -.1273 -.1228 -.0342 -.1555  -.1   .0  -.1
M005 1 7540 L DEOS       .0348 -.0079 -.0349 -.0176 -.0467  .0008   .0   .0   .0
M005 1 7540 C GRIM       .0133 -.0909  .0143 -.0909  .0195 -.0008  -.1   .0   .0
M008 1 MATE P CODE       .0004  .0002 -.0016  .0001 -.0016 -.0007   .0  -.6  -.3
M008 1 MATE P GFZ        .0020  .0014  .0005  .0008 -.0011  .0021   .9  -.9  1.7
M008 1 MATE P IGS       -.0013 -.0009 -.0012 -.0005  .0001 -.0019  -.7   .1 -1.8
M008 1 MATE P1 JPL       .0003  .0003 -.0003  .0002 -.0005  .0001   .1  -.2   .1
M008 1 MATE P NCL        .0013  .0007  .0014  .0003  .0001  .0020   .3   .1  1.1
M008 1 MATE P NOAA      -.0009  .0002  .0002  .0004  .0007 -.0005   .2   .3  -.2
M008 1 MATE P EUR        .0006  .0000  .0014 -.0002  .0007  .0014  -.2   .4   .7
M008 1 MATE P REGAL      .0000  .0008  .0007  .0008  .0004  .0006   .4   .1   .2
S001 1 7939 L AUS       -.0005 -.0006  .0000 -.0004  .0004 -.0005  -.1   .1  -.1
S001 1 7939 L CGS       -.0014 -.0018  .0000 -.0013  .0012 -.0015  -.1   .1  -.1
S001 1 7939 L CRL       -.0024 -.0020  .0005 -.0012  .0023 -.0018  -.3   .5  -.4
S001 1 7939 L4 CSR       .0007 -.0004  .0004 -.0005  .0000  .0007  -.5   .0   .4
S001 1 7939 L DEOS       .0021 -.0015 -.0013 -.0020 -.0020  .0004  -.9  -.6   .1
S001 1 7939 L DGFI      -.0009 -.0022  .0019 -.0018  .0024  .0001  -.5   .8   .0
S001 1 7939 L JCET       .0010  .0003  .0022  .0000  .0010  .0022   .0   .4  1.0
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S005 1 7243 R GIUB       .0003  .0000  .0001 -.0001 -.0001  .0003  -.1  -.1   .3
S005 1 7243 R GSFC       .0000  .0000 -.0001  .0000  .0000 -.0001   .2  -.1  -.2
S005 1 7243 R SHA        .0000 -.0001  .0000 -.0001  .0000  .0000  -.1   .0   .0

12741 VENEZIA

Positions
M001 1 VENE P NOAA      -.0050 -.0021 -.0047 -.0010  .0005 -.0071  -.4   .1 -2.0 98:209
M001 1 VENE P EUR        .0028  .0011  .0029  .0005 -.0001  .0041   .4   .0  1.1 98:187
M001 1 VENE P REGAL     -.0006  .0009  .0010  .0010  .0010  .0004   .9   .4   .2 98:258

Velocities
M001 1 VENE P NOAA       .0045  .0003  .0061 -.0006  .0011  .0075  -.3   .3  2.1
M001 1 VENE P EUR        .0033 -.0003  .0038 -.0010  .0004  .0049  -.7   .1  1.2
M001 1 VENE P REGAL     -.0025 -.0001 -.0031  .0004 -.0005 -.0039   .4  -.2 -1.6

12749 MONTE VENDA

Positions
M001 1 7542 L CGS        .0069  .0118 -.0060  .0102 -.0107  .0021   .4  -.2   .0 97:  1
M001 1 7542 L4 CSR      -.0165 -.0040 -.0208 -.0006 -.0026 -.0268   .0   .0  -.2 91:188
M001 1 7542 C GRIM      -.0106  .0093 -.0013  .0113  .0051 -.0069   .2   .1  -.1 91:241

Velocities
M001 1 7542 L CGS       -.0157  .0191  .0042  .0219  .0111 -.0051   .0   .0   .0
M001 1 7542 L4 CSR      -.1314  .0095 -.1160  .0359  .0085 -.1716   .1   .0  -.4
M001 1 7542 C GRIM       .0866 -.1820  .0937 -.1958  .0318  .1004  -.2   .0   .1

12750 PADOVA

Positions
M002 1 UPAD P CODE      -.0004 -.0026  .0050 -.0025  .0042  .0029 -1.0  1.1   .8 98:  8
M002 1 UPAD P IGS       -.0022 -.0003 -.0023  .0002 -.0001 -.0032   .2   .0 -1.1 98: 56
M002 1 UPAD P1 JPL       .0014 -.0017 -.0007 -.0020 -.0012  .0002  -.7  -.3   .1 99: 22
M002 1 UPAD P NCL       -.0067  .0038 -.0124  .0051 -.0046 -.0129  1.2  -.4 -1.0 96:344
M002 1 UPAD P NOAA      -.0016 -.0012 -.0004 -.0008  .0011 -.0015  -.3   .3  -.4 98:284
M002 1 UPAD P EUR       -.0024 -.0004 -.0016  .0001  .0006 -.0028   .1   .2 -1.0 98:112
M002 1 UPAD P1 IGN       .0003 -.0005  .0002 -.0006  .0000  .0003 -1.6   .0   .3 98:320
M002 1 UPAD P REGAL     -.0005  .0010  .0010  .0011  .0009  .0005  1.1   .4   .2 99: 42

Velocities
M002 1 UPAD P CODE       .0009  .0007 -.0015  .0005 -.0018 -.0004   .3  -.7  -.1
M002 1 UPAD P IGS        .0010 -.0009  .0014 -.0011  .0004  .0015 -1.2   .2   .6
M002 1 UPAD P1 JPL       .0015  .0008  .0020  .0005  .0002  .0026   .2   .1   .6
M002 1 UPAD P NCL        .0007  .0002  .0009  .0000  .0001  .0011   .0   .1   .5
M002 1 UPAD P NOAA      -.0033  .0017 -.0015  .0024  .0010 -.0031  1.2   .4 -1.1
M002 1 UPAD P EUR        .0012 -.0002  .0006 -.0004 -.0004  .0012  -.5  -.1   .4
M002 1 UPAD P1 IGN      -.0004  .0007  .0006  .0007  .0006  .0003  1.4   .6   .3
M002 1 UPAD P REGAL      .0008  .0000  .0002 -.0001 -.0004  .0006  -.1  -.1   .2

12751 BOLZANO

Positions
M001 1 BZRG P NOAA      -.0016  .0012  .0004  .0015  .0013 -.0007   .6   .4  -.2 99:  1
M001 1 BZRG P EUR        .0023 -.0005 -.0049 -.0009 -.0049 -.0021  -.4  -.8  -.3 99:177

Velocities
M001 1 BZRG P NOAA      -.0008  .0000  .0021  .0002  .0021  .0010   .1   .5   .2
M001 1 BZRG P EUR       -.0060  .0014 -.0046  .0026  .0009 -.0072   .4   .0  -.4

12752 PERUGIA

Positions
M001 1 UNPG P EUR        .0009  .0002  .0011  .0000  .0002  .0015   .0   .0   .2 99:197

Velocities
M001 1 UNPG P EUR        .0294  .0070  .0246  .0006 -.0027  .0389   .1  -.1  1.6

13101 BRUSSELS
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Positions
M004 1 BRUS P CODE       .0002 -.0019  .0049 -.0019  .0031  .0039  -.9   .9  1.1 97:315
M004 1 BRUS P IGS       -.0005 -.0003 -.0004 -.0002  .0001 -.0006  -.3   .1  -.4 98: 53
M004 1 BRUS P1 JPL       .0016  .0015  .0028  .0014  .0004  .0033  1.2   .2  1.6 97:123
M004 1 BRUS P NCL       -.0007 -.0006 -.0009 -.0006  .0000 -.0011  -.5   .0  -.5 97:200
M004 1 BRUS P NOAA       .0015  .0019  .0018  .0018 -.0002  .0024   .9  -.1  1.1 97:239
M004 1 BRUS P EUR       -.0006 -.0004 -.0012 -.0004 -.0002 -.0013  -.6  -.1  -.5 98: 88

Velocities
M004 1 BRUS P CODE       .0015  .0003 -.0006  .0002 -.0015  .0005   .2  -.7   .2
M004 1 BRUS P IGS       -.0003  .0001 -.0002  .0002  .0001 -.0004   .3   .1  -.3
M004 1 BRUS P1 JPL      -.0004 -.0001 -.0010  .0000 -.0003 -.0010   .0  -.2  -.7
M004 1 BRUS P NCL        .0000 -.0008  .0010 -.0008  .0007  .0007  -.8   .4   .4
M004 1 BRUS P NOAA      -.0010  .0002 -.0001  .0003  .0007 -.0007   .2   .5  -.5
M004 1 BRUS P EUR        .0016  .0003  .0014  .0001 -.0003  .0022   .2  -.1   .8

13112 DENTERGEM

Positions
M001 1 DENT P EUR       -.0008  .0000 -.0004  .0000  .0003 -.0008   .1   .1  -.2 98:168
M001 1 DENT P1 IGN       .0000 -.0004 -.0002 -.0004 -.0001 -.0002  -.7   .0  -.1 99: 54

Velocities
M001 1 DENT P EUR       -.0007  .0000  .0000  .0000  .0005 -.0004   .0   .2  -.1
M001 1 DENT P1 IGN       .0005 -.0004  .0000 -.0004 -.0004  .0003  -.5  -.1   .1

13113 DOURBES

Positions
M001 1 DOUR P EUR       -.0006  .0001 -.0005  .0001  .0001 -.0007   .2   .0  -.2 98:154

Velocities
M001 1 DOUR P EUR        .0008  .0000  .0011 -.0001  .0001  .0013  -.1   .0   .4

13114 WAREMME

Positions
M001 1 WARE P EUR       -.0011 -.0002 -.0009 -.0001  .0003 -.0014  -.1   .1  -.4 98:167
M001 1 WARE P1 IGN       .0000 -.0005 -.0004 -.0005 -.0002 -.0004  -.6  -.1  -.1 99:348

Velocities
M001 1 WARE P EUR        .0000 -.0004  .0006 -.0004  .0004  .0004  -.5   .1   .1
M001 1 WARE P1 IGN       .0039  .0003  .0120  .0000  .0046  .0118   .0   .2   .5

13201 BARTON STACEY/CH

Positions
S002 1 7215 R GSFC       .0023  .0009  .0018  .0009 -.0007  .0028   .1   .0   .1 80:294
S002 1 7215 R SHA        .0037  .0032  .0103  .0033  .0037  .0102   .2   .2   .4 80:294

Velocities
S002 1 7215 R GSFC      -.3328 -.2343 -.0197 -.2426  .2422 -.2204  -.3   .2  -.2
S002 1 7215 R SHA        .0218  .0273 -.0054  .0279 -.0198  .0090   .1  -.1   .0

13212 HERSTMONCEUX

Positions
M007 1 HERS TIE13212     .0032 -.0046  .0045 -.0046  .0003  .0055 -1.4   .1  1.7 97:  1
M007 1 HERS P CODE       .0008 -.0032  .0052 -.0032  .0027  .0045 -1.4   .7  1.2 97:340
M007 1 HERS P IGS       -.0027 -.0035 -.0035 -.0035 -.0001 -.0044 -3.6   .0 -1.7 98:253
M007 1 HERS P1 JPL       .0018  .0001  .0027  .0001  .0003  .0032   .1   .1  1.5 96:265
M007 1 HERS P NCL        .0018  .0002  .0001  .0002 -.0013  .0012   .2  -.6   .5 97: 48
M007 1 HERS P NOAA      -.0068  .0026 -.0058  .0027  .0016 -.0087  1.1   .4 -2.4 98:269
M007 1 HERS P EUR        .0004  .0003  .0007  .0003  .0001  .0008   .4   .0   .2 97:302
M007 1 HERS P1 IGN       .0057 -.0006  .0063 -.0006 -.0004  .0085  -.8  -.1  2.0 98:300
M007 2 HERS P EUR       -.0034  .0011 -.0025  .0011  .0010 -.0041  1.0   .2  -.7 99:245
M007 2 HERS P1 IGN      -.0005 -.0005 -.0013 -.0005 -.0004 -.0014  -.6  -.1  -.3 99:253
S001 1 7840 TIE13212     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7840 L AUS       -.0063  .0078  .0008  .0079  .0053 -.0033  1.5  1.2  -.8 98: 91
S001 1 7840 L CGS        .0043  .0085 -.0037  .0084 -.0057 -.0002  1.6 -1.2   .0 93:255
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S001 1 7840 L CRL        .0010 -.0054 -.0011 -.0054 -.0014 -.0003 -1.3  -.2   .0 91: 41
S001 1 7840 L4 CSR      -.0002  .0006 -.0033  .0006 -.0019 -.0027   .3  -.3  -.4 92:106
S001 1 7840 L DEOS       .0076 -.0032  .0067 -.0032 -.0017  .0100  -.6  -.3  1.9 92:171
S001 1 7840 L DGFI      -.0023 -.0048 -.0013 -.0048  .0010 -.0025  -.9   .2  -.5 93:280
S001 1 7840 L JCET       .0033  .0011  .0031  .0011 -.0006  .0045  1.4  -.4  2.8 96:208
S001 1 7840 C GRIM       .0012 -.0026 -.0052 -.0026 -.0041 -.0033 -1.0 -2.6 -1.9 91:306
S001 1 7840 C1 CSR       .0040 -.0009  .0041 -.0009 -.0005  .0057 -1.1  -.3  2.9 96:208

Velocities
M007 1 HERS P CODE       .0013 -.0019 -.0016 -.0019 -.0020 -.0005 -1.4  -.8  -.2
M007 1 HERS P IGS       -.0013 -.0025 -.0020 -.0025 -.0003 -.0023 -4.0  -.2 -1.4
M007 1 HERS P1 JPL      -.0016  .0000 -.0021  .0001 -.0001 -.0027   .1  -.1 -2.7
M007 1 HERS P NCL        .0058  .0009  .0018  .0009 -.0034  .0051   .8 -1.1  1.7
M007 1 HERS P NOAA       .0002  .0003 -.0012  .0003 -.0009 -.0008   .2  -.4  -.4
M007 1 HERS P EUR        .0015  .0004  .0019  .0004  .0001  .0024   .5   .0   .6
M007 1 HERS P1 IGN       .0009 -.0052  .0037 -.0052  .0017  .0034 -3.0   .2   .4
M007 2 HERS P EUR        .0015  .0004  .0019  .0004  .0001  .0024   .5   .0   .6
M007 2 HERS P1 IGN       .0009 -.0052  .0037 -.0052  .0017  .0034 -3.0   .2   .4
S001 1 7840 L AUS       -.0018  .0013  .0022  .0013  .0028  .0006   .6  1.4   .3
S001 1 7840 L CGS       -.0005 -.0004  .0006 -.0004  .0007  .0002  -.2   .7   .1
S001 1 7840 L CRL       -.0011 -.0001  .0011 -.0001  .0015  .0002   .0   .3   .0
S001 1 7840 L4 CSR       .0000 -.0003 -.0002 -.0003 -.0001 -.0002  -.4  -.1  -.2
S001 1 7840 L DEOS       .0021 -.0017 -.0023 -.0017 -.0031 -.0005  -.8 -1.0  -.1
S001 1 7840 L DGFI       .0000 -.0013  .0005 -.0013  .0003  .0004  -.8   .2   .3
S001 1 7840 L JCET      -.0007  .0004  .0008  .0004  .0010  .0001  1.0  1.4   .2
S001 1 7840 C GRIM      -.0002 -.0032  .0017 -.0032  .0012  .0012 -1.1  3.4  3.0
S001 1 7840 C1 CSR       .0004  .0004  .0013  .0004  .0005  .0013  1.0   .6  1.4

13296 BUDDON - CARNUST

Positions
M002 1 7603 R GSFC      -.0008  .0002 -.0008  .0001  .0003 -.0011   .0   .0   .0 89:233
M002 1 7603 R SHA        .0001  .0006  .0001  .0006  .0000  .0001   .1   .0   .0 89:233

Velocities
M002 1 7603 R GSFC       .0912  .3402 -.0898  .3442 -.1118 -.0337   .2  -.1   .0
M002 1 7603 R SHA       -.0019 -.0060  .0018 -.0061  .0024  .0006   .0   .0   .0

13402 SAN FERNANDO

Positions
M004 1 SFER TIE13402     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M004 1 SFER P IGS        .0000 -.0008 -.0021 -.0008 -.0017 -.0011  -.3  -.5  -.3  0: 66
M004 1 SFER P NOAA      -.0045 -.0005 -.0013 -.0010  .0016 -.0043  -.3   .3  -.8 99:140
M004 1 SFER P EUR       -.0089  .0013 -.0060  .0003  .0005 -.0108   .3   .1 -2.2 99:  8
M004 1 SFER P1 IGN      -.0011  .0005 -.0024  .0004 -.0012 -.0023   .4  -.4  -.7 99:149
M004 1 SFER P REGAL     -.0019 -.0056  .0032 -.0058  .0033  .0009 -2.1  1.0   .3 99:237
S004 1 7824 TIE13402    -.0027  .0005 -.0025  .0002 -.0004 -.0037   .1  -.1 -1.2 97:  1
S004 1 7824 L CGS        .0145  .0016 -.0028  .0032 -.0107  .0098   .2  -.4   .4 98: 38
S004 1 7824 L CRL        .0316 -.0007  .0230  .0028 -.0002  .0390   .1   .0   .7 98: 29
S004 1 7824 L DEOS       .0836 -.0213  .0228 -.0121 -.0324  .0823  -.4 -1.0  2.6 98: 30
S004 1 7824 L DGFI       .0448 -.0226  .0309 -.0176 -.0031  .0561  -.4  -.1  1.6 98: 35
S004 1 7824 L JCET       .0129 -.0044  .0216 -.0030  .0095  .0235   .0   .2   .4 98: 65
S004 1 7824 C GRIM       .3072 -.1457  .2643 -.1117  .0217  .4153  -.4   .1  1.1 94:  1
S007 1 7824 L CGS        .0629  .0246  .0297  .0313 -.0116  .0658   .4  -.1   .5 97:  1
S007 1 7824 L CRL       -.0006 -.0031  .0040 -.0031  .0034  .0022  -.1   .1   .1 99:249
S007 1 7824 L DEOS       .1009  .0079  .2497  .0187  .1417  .2284   .1   .5   .8 93:  1
S007 1 7824 L DGFI       .0121 -.0094 -.0021 -.0080 -.0094  .0092  -.3  -.4   .3 99:273
S007 1 7824 C GRIM      -.0231 -.0428 -.0040 -.0451  .0077 -.0171 -1.4   .2  -.5 99:196

Velocities
M004 1 SFER P IGS        .0066 -.0004  .0037  .0004 -.0009  .0075   .1  -.1  1.0
M004 1 SFER P NOAA       .0038 -.0009  .0022 -.0005 -.0005  .0044  -.1  -.1   .5
M004 1 SFER P EUR        .0078 -.0011  .0037 -.0003 -.0017  .0085  -.2  -.3  1.5
M004 1 SFER P1 IGN       .0091  .0000  .0087  .0010  .0016  .0124   .7   .3  2.3
M004 1 SFER P REGAL      .0063  .0026  .0051  .0032  .0006  .0078   .7   .1  1.0
S004 1 7824 L CGS       -.0266 -.0044 -.0164 -.0073  .0023 -.0306  -.3   .0  -.6
S004 1 7824 L CRL       -.0461  .0186  .0048  .0135  .0323 -.0356   .3   .4  -.4
S004 1 7824 L DEOS      -.0082 -.0040 -.0405 -.0048 -.0280 -.0302  -.1  -.7  -.7
S004 1 7824 L DGFI      -.0311 -.0298 -.0420 -.0330 -.0173 -.0473  -.4  -.3  -.7
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S004 1 7824 L JCET       .0036 -.0115 -.0140 -.0110 -.0141 -.0044  -.1  -.2  -.1
S004 1 7824 C GRIM      -.0169 -.1029  .0179 -.1041  .0177  .0061  -.1   .0   .0
S007 1 7824 L CGS       -.0069  .0051  .0194  .0044  .0200  .0055   .0   .0   .0
S007 1 7824 L CRL        .0241 -.0239 -.0475 -.0212 -.0540 -.0069  -.6  -.7  -.1
S007 1 7824 L DEOS       .0374 -.0119 -.0385 -.0078 -.0538  .0081   .0   .0   .0
S007 1 7824 L DGFI      -.0311 -.0298 -.0420 -.0330 -.0173 -.0473  -.4  -.3  -.7
S007 1 7824 C GRIM      -.0643  .0216 -.0535  .0145 -.0037 -.0851   .2   .0 -1.0

13406 VILLAFRANCA

Positions
M001 1 VILL P CODE       .0046 -.0014  .0086 -.0011  .0035  .0092  -.4   .7  2.0 98:217
M001 1 VILL P GFZ       -.0008 -.0005 -.0024 -.0005 -.0014 -.0022  -.3  -.4  -.6 99: 40
M001 1 VILL P IGS        .0005 -.0007  .0003 -.0006 -.0001  .0006  -.7  -.1   .4 98:281
M001 1 VILL P1 JPL      -.0013  .0004 -.0020  .0004 -.0006 -.0023   .3  -.3 -1.0 97:164
M001 1 VILL P NCL       -.0019 -.0002 -.0014 -.0003  .0002 -.0024  -.3   .1 -1.3 97:350
M001 1 VILL P NOAA      -.0016  .0000 -.0009 -.0001  .0003 -.0018   .0   .1  -.6 97:187
M001 1 VILL P EUR        .0026 -.0001  .0023  .0001  .0000  .0035   .1   .0  1.2 98:232
M001 1 VILL P REGAL     -.0011 -.0024 -.0030 -.0025 -.0017 -.0027 -1.4  -.6  -.9 99:177

Velocities
M001 1 VILL P CODE      -.0025  .0005 -.0038  .0003 -.0012 -.0044   .2  -.3 -1.0
M001 1 VILL P GFZ       -.0013 -.0010 -.0022 -.0011 -.0009 -.0023  -.6  -.3  -.7
M001 1 VILL P IGS       -.0011 -.0003 -.0007 -.0004  .0001 -.0012  -.5   .1 -1.1
M001 1 VILL P1 JPL      -.0005  .0003 -.0002  .0002  .0002 -.0005   .2   .1  -.3
M001 1 VILL P NCL       -.0021 -.0003 -.0009 -.0004  .0007 -.0021  -.4   .4 -1.4
M001 1 VILL P NOAA      -.0006 -.0001  .0008 -.0001  .0010  .0001  -.1   .5   .0
M001 1 VILL P EUR        .0004 -.0005  .0004 -.0005  .0000  .0006  -.6   .0   .2
M001 1 VILL P REGAL     -.0014 -.0014  .0006 -.0015  .0013 -.0006  -.9   .3  -.2

13407 MADRID-ROBLEDO

Positions
S003 1 1561 R GSFC       .0056  .0004  .0051  .0008  .0003  .0075   .0   .0   .1 83:126
S010 1 1565 TIE13407     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S010 1 1565 R GIUB      -.0016  .0017 -.0025  .0016 -.0007 -.0029   .6  -.2  -.6 94:242
S010 1 1565 R GSFC       .0018  .0012 -.0003  .0014 -.0013  .0011  1.4  -.4   .3 94:170
S010 1 1565 R SHA        .0030  .0017  .0001  .0019 -.0018  .0022  1.1  -.4   .5 95:348
S010 2 1565 R GIUB       .0048  .0017  .0032  .0020 -.0006  .0056   .7  -.1  1.0 97:  1
S010 2 1565 R GSFC       .0026 -.0006  .0031 -.0005  .0007  .0040  -.4   .2  1.0 97:  1
S010 2 1565 R SHA        .0049 -.0008  .0044 -.0004  .0001  .0066  -.3   .0  1.6 97:  1
S012 1 MADR TIE13407     .0087  .0036 -.0068  .0043 -.0106  .0020  1.3 -3.4   .6 97:  1
S012 1 MADR P CODE      -.0184  .0012 -.0041 -.0002  .0088 -.0167  -.1  1.3 -2.4 95:349
S012 1 MADR P IGS        .0007 -.0015  .0005 -.0014 -.0001  .0010 -1.4  -.1   .5 97:363
S012 2 MADR P GFZ        .0026  .0490 -.0452  .0490 -.0337 -.0301   .8  -.2  -.1 98:169
S012 2 MADR P1 JPL       .0000 -.0001  .0003 -.0001  .0002  .0002   .0   .0   .0 99:194

Velocities
S003 1 1561 R GSFC       .0217  .0135 -.0426  .0151 -.0458 -.0119   .0   .0   .0
S010 1 1565 R GIUB       .0005  .0001  .0000  .0001 -.0003  .0004   .1  -.2   .2
S010 1 1565 R GSFC      -.0004  .0003 -.0007  .0002 -.0002 -.0008   .8  -.2  -.8
S010 1 1565 R SHA       -.0004  .0004 -.0009  .0003 -.0005 -.0009   .3  -.4  -.7
S010 2 1565 R GIUB      -.0061  .0164  .0111  .0159  .0132  .0017   .0   .0   .0
S010 2 1565 R GSFC      -.0230 -.0163  .0130 -.0179  .0240 -.0081   .0   .0   .0
S010 2 1565 R SHA       -.0085  .0163  .0150  .0157  .0177  .0024   .0   .0   .0
S012 1 MADR P CODE       .0027 -.0018  .0001 -.0016 -.0017  .0022  -.6  -.2   .2
S012 1 MADR P IGS        .0042 -.0006  .0031 -.0002 -.0004  .0052  -.4  -.3  3.9
S012 2 MADR P GFZ        .0010  .0024 -.0003  .0024 -.0007  .0004  1.1  -.3   .1
S012 2 MADR P1 JPL       .0117  .0005  .0262  .0014  .0124  .0259   .1   .6  1.1

13410 ROQUETES - TORTO

Positions
M001 1 EBRE P IGS        .0007 -.0017  .0000 -.0017 -.0004  .0005  -.9  -.1   .1 98:153
M001 1 EBRE P1 JPL      -.0004 -.0030 -.0003 -.0030  .0000 -.0005 -1.9   .0  -.2 98:203
M001 1 EBRE P NOAA      -.0020 -.0027 -.0007 -.0027  .0008 -.0020 -1.1   .3  -.6 98:189
M001 1 EBRE P EUR       -.0014  .0001 -.0011  .0001  .0001 -.0018   .2   .0  -.6 98:232
M001 1 EBRE P1 IGN       .0008  .0003  .0004  .0003 -.0002  .0008   .6  -.1   .4 98:361
M001 1 EBRE P REGAL      .0007 -.0015  .0002 -.0016 -.0003  .0007 -1.2  -.1   .3 99:112
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Velocities
M001 1 EBRE P IGS        .0081 -.0117  .0027 -.0118 -.0031  .0078  -.9  -.1   .2
M001 1 EBRE P1 JPL      -.0006 -.0006 -.0006 -.0006 -.0001 -.0009  -.3   .0  -.2
M001 1 EBRE P NOAA      -.0014 -.0004  .0003 -.0004  .0012 -.0008  -.2   .3  -.2
M001 1 EBRE P EUR       -.0009 -.0016 -.0003 -.0016  .0004 -.0009 -2.2   .1  -.2
M001 1 EBRE P1 IGN       .0034  .0002  .0047  .0002  .0013  .0056   .3   .5  2.0
M001 1 EBRE P REGAL     -.0027 -.0006 -.0018 -.0006  .0004 -.0032  -.5   .1 -1.0

13420 YEBES

Positions
S001 1 7333 R GIUB       .0109  .0013  .0060  .0019 -.0025  .0121   .5  -.2  1.1 97:351
S001 1 7333 R GSFC      -.0013  .0000 -.0019 -.0001 -.0006 -.0022   .0  -.1  -.4 98:325
S001 1 7333 R SHA        .0010  .0003  .0011  .0004  .0002  .0015   .2   .0   .2 98:  3

Velocities
S001 1 7333 R GIUB       .0052 -.0003  .0056  .0000  .0008  .0076   .0   .1   .9
S001 1 7333 R GSFC       .0000 -.0001 -.0003 -.0001 -.0002 -.0002  -.1   .0  -.1
S001 1 7333 R SHA        .0014 -.0001  .0018  .0000  .0005  .0022   .0   .1   .5

13431 BELLMUNT DE SEGA

Positions
M001 1 BELL P EUR       -.0030  .0005 -.0019  .0006  .0005 -.0035   .4   .1  -.5 99:228
M001 1 BELL P1 IGN       .0019  .0000  .0017 -.0001  .0000  .0026  -.1   .0   .7 99:340

Velocities
M001 1 BELL P EUR       -.0047 -.0011 -.0082 -.0009 -.0030 -.0090  -.2  -.1  -.3
M001 1 BELL P1 IGN      -.0110 -.0006 -.0074 -.0003  .0018 -.0131  -.1   .1  -.5

13432 CAP DE CREUS

Positions
M001 1 CREU P EUR       -.0039 -.0001 -.0039  .0001 -.0002 -.0055   .1   .0  -.9 99:197
M001 1 CREU P1 IGN       .0017 -.0001  .0016 -.0002  .0001  .0023  -.2   .0   .8 99:232

Velocities
M001 1 CREU P EUR       -.0040  .0010 -.0084  .0012 -.0036 -.0086   .3  -.2  -.4
M001 1 CREU P1 IGN       .0010 -.0002  .0017 -.0003  .0006  .0019  -.2   .1   .2

13433 ALICANTE

Positions
M001 1 ALAC P1 IGN       .0017  .0004  .0014  .0004  .0000  .0022   .4   .0   .6 99:341

Velocities
M001 1 ALAC P1 IGN       .0009 -.0001  .0015 -.0001  .0006  .0017   .0   .0   .1

13434 A CORUNA

Positions
M001 1 ACOR P1 IGN      -.0013 -.0001 -.0022 -.0003 -.0008 -.0024  -.2  -.1  -.4 99:339

Velocities
M001 1 ACOR P1 IGN       .0040  .0002  .0040  .0007  .0001  .0056   .1   .0   .2

13435 ESCORNACRABES

Positions
M001 1 ESCO P1 IGN       .0007 -.0002  .0006 -.0002  .0000  .0009  -.2   .0   .2 99:338

Velocities
M001 1 ESCO P1 IGN       .0000 -.0001  .0005 -.0001  .0003  .0004   .0   .0   .0

13502 DELFT

Positions
M004 1 DELF P EUR       -.0004  .0001 -.0004  .0001  .0001 -.0006   .1   .0  -.2 98:178

Velocities
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M004 1 DELF P EUR       .0008  .0000  .0011 -.0001  .0000  .0013  -.2   .0   .5

13504 KOOTWIJK

Positions
M002 1 8833 TIE13504     .0011  .0020  .0006  .0019 -.0006  .0013   .6  -.2   .4 97:  1
M002 1 8833 L AUS       -.0296  .0106  .0280  .0135  .0396  .0047   .2   .7   .1 96:326
M002 1 8833 L CGS       -.0466 -.0647 -.0170 -.0597  .0314 -.0459 -1.8   .5  -.6 97:  1
M002 1 8833 L4 CSR      -.0213 -.0041 -.0237 -.0019  .0025 -.0320  -.1   .0  -.3 89:102
M002 1 8833 L DEOS      -.0258  .0024 -.0113  .0050  .0132 -.0245   .1   .4  -.7 88:239
M002 1 8833 L DGFI      -.0168 -.0112 -.0098 -.0095  .0081 -.0187  -.2   .2  -.5 92: 16
M002 1 8833 C GRIM      -.0162  .0017 -.0300  .0034 -.0057 -.0335   .1  -.1  -.7 90: 74
M003 1 KOSG TIE13504     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M003 1 KOSG P CODE      -.0007 -.0017  .0038 -.0016  .0030  .0025  -.7   .9   .7 97:316
M003 1 KOSG P GFZ        .0012 -.0017  .0014 -.0018  .0001  .0018 -1.2   .0   .6 97:336
M003 1 KOSG P IGS       -.0012 -.0002 -.0015 -.0001  .0000 -.0019  -.2   .0 -1.7 98:112
M003 1 KOSG P1 JPL       .0016  .0001  .0027 -.0001  .0003  .0031  -.1   .2  1.9 96: 36
M003 1 KOSG P NCL       -.0007 -.0008 -.0008 -.0007  .0002 -.0011  -.6   .1  -.6 98: 45
M003 1 KOSG P NOAA       .0021 -.0005  .0018 -.0007 -.0005  .0027  -.4  -.2  1.2 97:245
M003 1 KOSG P EUR        .0001 -.0001 -.0005 -.0001 -.0004 -.0003  -.2  -.1  -.1 98: 66
M003 1 KOSG P REGAL      .0023 -.0012 -.0036 -.0014 -.0039 -.0016  -.7 -1.2  -.4 99:133
S001 1 7833 TIE13504     .0013  .0030  .0009  .0028 -.0007  .0017   .6  -.2   .4 97:  1
S001 1 7833 L CGS       -.0574 -.0567 -.1302 -.0506 -.0302 -.1414 -1.8  -.5 -2.2 97:  1
S001 1 7833 L4 CSR      -.2434  .1158 -.2612  .1398  .0219 -.3477  1.8   .1  -.8 81:123
S001 1 7833 L DEOS       .0144  .0257  .0444  .0241  .0138  .0455   .1   .1   .2 93:  1

Velocities
M002 1 8833 L AUS       -.0127  .0160  .0129  .0172  .0166  .0034   .3   .3   .1
M002 1 8833 L CGS       -.0165  .0057  .0124  .0073  .0201  .0001   .0   .0   .0
M002 1 8833 L4 CSR       .0041 -.0025  .0099 -.0029  .0030  .0101  -.4   .1   .3
M002 1 8833 L DEOS       .0039 -.0005  .0062 -.0009  .0007  .0072   .0   .0   .4
M002 1 8833 L DGFI       .0065 -.0064  .0050 -.0070 -.0015  .0075  -.4  -.1   .5
M002 1 8833 C GRIM      -.0017 -.0075 -.0047 -.0073 -.0009 -.0052  -.6   .0  -.2
M003 1 KOSG P CODE       .0000  .0001 -.0024  .0001 -.0015 -.0019   .1  -.7  -.8
M003 1 KOSG P GFZ        .0024  .0014  .0019  .0011 -.0008  .0030  1.7  -.8  2.7
M003 1 KOSG P IGS        .0009  .0001  .0006  .0000 -.0003  .0010   .0  -.4  1.1
M003 1 KOSG P1 JPL      -.0003  .0000 -.0002  .0000  .0001 -.0003   .0   .2  -.4
M003 1 KOSG P NCL       -.0005 -.0008 -.0002 -.0007  .0004 -.0005  -.8   .2  -.3
M003 1 KOSG P NOAA      -.0002 -.0001  .0011 -.0001  .0008  .0007  -.1   .6   .5
M003 1 KOSG P EUR        .0025 -.0001  .0026 -.0003 -.0004  .0036  -.6  -.2  1.5
M003 1 KOSG P REGAL      .0031  .0005  .0012  .0002 -.0017  .0029   .1  -.5   .8
S001 1 7833 L CGS       -.0165  .0057  .0124  .0073  .0201  .0001   .0   .0   .0
S001 1 7833 L4 CSR       .0392 -.0379  .0086 -.0417 -.0225  .0284 -1.7  -.2   .3
S001 1 7833 L DEOS       .0443 -.0078 -.0306 -.0122 -.0530  .0024   .0   .0   .0

13506 WESTERBORK

Positions
M005 1 WSRT P CODE       .0029 -.0014  .0065 -.0018  .0018  .0068  -.7   .5  1.6 98:179
M005 1 WSRT P GFZ        .0036 -.0006  .0035 -.0010 -.0007  .0049  -.6  -.3  1.6 99:  4
M005 1 WSRT P IGS       -.0011 -.0005 -.0020 -.0004 -.0003 -.0023  -.5  -.2 -1.5 98:324
M005 1 WSRT P1 JPL      -.0049 -.0013 -.0040 -.0007  .0016 -.0062  -.4   .5 -2.1 98:301
M005 1 WSRT P NOAA       .0002  .0000  .0021  .0000  .0011  .0017   .0   .3   .5 99: 14
M005 1 WSRT P EUR        .0024  .0001  .0024 -.0001 -.0005  .0034  -.2  -.1   .9 98:326

Velocities
M005 1 WSRT P CODE      -.0001  .0004 -.0027  .0004 -.0015 -.0022   .3  -.5  -.6
M005 1 WSRT P GFZ       -.0002  .0008 -.0013  .0008 -.0007 -.0011   .6  -.3  -.4
M005 1 WSRT P IGS        .0006 -.0001  .0005 -.0002 -.0002  .0008  -.2  -.1   .5
M005 1 WSRT P1 JPL      -.0015 -.0003 -.0022 -.0001 -.0001 -.0027  -.1   .0  -.5
M005 1 WSRT P NOAA       .0011  .0006  .0029  .0005  .0008  .0030   .2   .2   .6
M005 1 WSRT P EUR        .0013 -.0003  .0015 -.0004 -.0001  .0020  -.4   .0   .4

13533 EIJSDEN

Positions
M001 1 EIJS P EUR        .0007  .0000  .0010 -.0001  .0001  .0012   .0   .0   .2 99:271

Velocities
M001 1 EIJS P EUR       -.0075 -.0024 -.0075 -.0016  .0012 -.0107  -.2   .0  -.3
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13534 TERSCHELLING

Positions
M001 1 TERS P EUR        .0006 -.0001  .0009 -.0001  .0000  .0011  -.1   .0   .2 99:269

Velocities
M001 1 TERS P EUR       -.0120 -.0022 -.0116 -.0011  .0028 -.0165  -.1   .1  -.4

13909 CASCAIS

Positions
S001 1 CASC P CODE       .0004 -.0003  .0041 -.0002  .0029  .0029  -.1   .4   .3 99: 70
S001 1 CASC P IGS       -.0016  .0001 -.0009 -.0001  .0003 -.0018   .0   .0  -.1 99: 82
S001 1 CASC P EUR        .0016  .0007  .0008  .0010 -.0003  .0017   .5   .0   .3 99:151
S001 1 CASC P1 IGN      -.0001 -.0003 -.0013 -.0004 -.0010 -.0009  -.3  -.2  -.2 99:187

Velocities
S001 1 CASC P CODE       .0046 -.0001 -.0054  .0006 -.0071  .0002   .1  -.2   .0
S001 1 CASC P IGS        .0049 -.0004 -.0037  .0004 -.0059  .0015   .0  -.1   .0
S001 1 CASC P EUR       -.0064 -.0012 -.0041 -.0022  .0007 -.0073  -.4   .0  -.5
S001 1 CASC P1 IGN      -.0014  .0017 -.0009  .0015  .0003 -.0018   .6   .0  -.2

14001 ZIMMERWALD

Positions
M004 1 ZIMM TIE14001     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M004 1 ZIMM P CODE       .0011 -.0026  .0066 -.0027  .0039  .0053 -1.2  1.1  1.5 97:318
M004 1 ZIMM P1 JPL       .0067 -.0030  .0080 -.0039  .0009  .0101 -1.5   .2  2.3 99:124
M004 1 ZIMM P NOAA       .0040 -.0016  .0062 -.0021  .0015  .0071  -.8   .4  1.8 98:207
M004 1 ZIMM P EUR       -.0058  .0005 -.0064  .0013 -.0002 -.0086  1.5  -.1 -2.9 97:212
M004 1 ZIMM P1 IGN       .0002  .0008 -.0001  .0008 -.0003  .0001  1.6  -.2   .1 98:263
M004 2 ZIMM P EUR       -.0005  .0002 -.0002  .0003  .0002 -.0005   .2   .0  -.1 99:162
M004 2 ZIMM P1 IGN       .0014 -.0003  .0018 -.0005  .0002  .0022  -.8   .1  1.1 99:186
S001 1 7810 TIE14001    -.0022  .0012 -.0035  .0014 -.0009 -.0039   .5  -.3 -1.2 97:  1
S001 1 7810 L AUS       -.0053  .0114 -.0009  .0120  .0021 -.0033  1.5   .3  -.5 99:234
S001 1 7810 L CGS       -.0032  .0078 -.0114  .0081 -.0063 -.0098  1.2  -.7 -1.1 92:  4
S001 1 7810 L CRL       -.0058 -.0053 -.0093 -.0045 -.0017 -.0112  -.6  -.1  -.8 92: 30
S001 1 7810 L4 CSR      -.0081 -.0004 -.0093  .0006 -.0005 -.0124   .2   .0  -.8 93: 50
S001 1 7810 L DEOS       .0084 -.0007  .0093 -.0018  .0003  .0124  -.2   .0  1.3 92: 70
S001 1 7810 L DGFI       .0108 -.0001  .0082 -.0015 -.0022  .0133  -.2  -.3  2.1 92:298
S001 1 7810 L JCET      -.0018  .0011 -.0001  .0013  .0011 -.0012   .6   .2  -.2 95: 90
S001 1 7810 C GRIM      -.0015 -.0042 -.0082 -.0040 -.0042 -.0074  -.6  -.4  -.7 93:  1
S001 1 7810 C1 CSR      -.0012 -.0009 -.0015 -.0007 -.0001 -.0019  -.3   .0  -.4 97:208
S007 1 7810 TIE14001    -.0002 -.0016  .0022 -.0016  .0018  .0013  -.5   .6   .4 97:  1
S007 1 7810 L CGS        .0138  .0091  .0063  .0073 -.0066  .0148   .8  -.5  1.2 97:  1
S007 1 7810 L CRL       -.0052 -.0039  .0062 -.0032  .0084  .0007  -.1   .2   .0 97:241
S007 1 7810 L DEOS      -.0134 -.0043 -.0109 -.0026  .0027 -.0174  -.1   .1  -.6 93:  1
S007 1 7810 L DGFI      -.0092 -.0093 -.0017 -.0081  .0063 -.0083  -.7   .6  -.8 98:143
S007 1 7810 L JCET       .0008  .0001 -.0002  .0000 -.0007  .0004   .0  -.3   .1 98:223
S007 1 7810 C GRIM      -.0088 -.0077 -.0178 -.0065 -.0051 -.0196  -.2  -.2  -.8 95:196

Velocities
M004 1 ZIMM P CODE       .0024  .0001  .0002 -.0002 -.0016  .0018  -.1  -.7   .8
M004 1 ZIMM P1 JPL      -.0001 -.0012  .0002 -.0012  .0003 -.0001  -.8   .1   .0
M004 1 ZIMM P NOAA      -.0015  .0002 -.0007  .0004  .0006 -.0015   .3   .3  -.9
M004 1 ZIMM P EUR        .0010  .0005  .0011  .0003  .0000  .0015   .3   .0   .4
M004 1 ZIMM P1 IGN       .0032  .0004  .0025  .0000 -.0007  .0040   .0  -.3  1.9
M004 2 ZIMM P EUR        .0010  .0005  .0011  .0003  .0000  .0015   .3   .0   .4
M004 2 ZIMM P1 IGN       .0032  .0004  .0025  .0000 -.0006  .0040   .0  -.3  1.9
S001 1 7810 L AUS       -.0130  .0041 -.0102  .0058  .0021 -.0159   .5   .2 -1.5
S001 1 7810 L CGS       -.0024 -.0008 -.0011 -.0005  .0011 -.0026  -.2   .3  -.7
S001 1 7810 L CRL       -.0042  .0006  .0001  .0011  .0030 -.0027   .2   .4  -.3
S001 1 7810 L4 CSR       .0018 -.0002  .0021 -.0004  .0002  .0027  -.4   .1  1.4
S001 1 7810 L DEOS       .0053 -.0011  .0003 -.0018 -.0035  .0037  -.4  -.8   .8
S001 1 7810 L DGFI       .0011  .0008  .0043  .0007  .0021  .0040   .2   .6  1.2
S001 1 7810 L JCET       .0005  .0003  .0013  .0002  .0005  .0013   .2   .2   .7
S001 1 7810 C GRIM      -.0014 -.0839  .0112 -.0830  .0166 -.0002  -.1   .0   .0
S001 1 7810 C1 CSR       .0023  .0004  .0031  .0001  .0004  .0039   .1   .2  1.7
S007 1 7810 L CGS       -.0163  .0069  .0130  .0089  .0200 -.0010   .0   .0   .0
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S007 1 7810 L CRL        .0046  .0005  .0059 -.0001  .0007  .0075   .0   .1   .7
S007 1 7810 L DEOS       .0408 -.0076 -.0351 -.0128 -.0528  .0013   .0   .0   .0
S007 1 7810 L DGFI       .0011  .0008  .0043  .0007  .0021  .0040   .2   .6  1.2
S007 1 7810 L JCET       .0026 -.0002  .0014 -.0006 -.0009  .0028  -.2  -.2   .7
S007 1 7810 C GRIM       .0009 -.0039  .0011 -.0039  .0005  .0011 -1.3   .2   .5

14005 MONTE GENEROSO

Positions
M002 1 7590 C GRIM      -.0052  .0252 -.0178  .0257 -.0115 -.0136   .4  -.1  -.1 85:280

Velocities
M002 1 7590 C GRIM       .0059 -.0149 -.0061 -.0157 -.0067 -.0020   .0   .0   .0

14106 POTSDAM

Positions
M003 1 POTS TIE14106     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M003 1 POTS P CODE      -.0014 -.0023  .0026 -.0019  .0031  .0009  -.8   .9   .2 97:304
M003 1 POTS P GFZ        .0008 -.0006 -.0006 -.0008 -.0009 -.0001  -.5  -.3   .0 98: 78
M003 1 POTS P IGS       -.0007 -.0003 -.0012 -.0002 -.0001 -.0014  -.2  -.1 -1.1 98:211
M003 1 POTS P1 JPL       .0009  .0029  .0021  .0026  .0001  .0026  1.9   .0  1.1 97:205
M003 1 POTS P NCL        .0005 -.0008  .0006 -.0009  .0002  .0007  -.7   .1   .3 98:  2
M003 1 POTS P NOAA       .0004  .0012 -.0001  .0011 -.0006  .0003   .6  -.3   .1 97:248
M003 1 POTS P EUR       -.0007 -.0003 -.0009 -.0002  .0000 -.0012  -.2   .0  -.4 98: 34
S001 1 1181 L CGS        .0094  .0071 -.0004  .0047 -.0088  .0063   .3  -.4   .3 88:204
S001 1 1181 L CRL       -.0047  .0111 -.0395  .0119 -.0225 -.0326   .2  -.1  -.2 90:209
S001 1 1181 L4 CSR       .1296  .0400 -.0034  .0097 -.1093  .0799   .1  -.2   .2 86:104
S001 1 1181 L DEOS       .0093 -.0117 -.0041 -.0135 -.0076  .0007  -.2  -.1   .0 93:  1
S001 1 1181 C GRIM      -.0775 -.0192 -.0967 -.0012  .0042 -.1253   .0   .0  -.6 93:  1
S009 1 7836 TIE14106    -.0014  .0006 -.0003  .0009  .0008 -.0010   .3   .3  -.3 97:  1
S009 1 7836 L AUS       -.0159  .0102  .0053  .0135  .0137 -.0039  1.9  2.2  -.6 98:303
S009 1 7836 L CGS       -.0021  .0044 -.0009  .0048  .0003 -.0013   .6   .0  -.1 97:  1
S009 1 7836 L CRL       -.0040 -.0009  .0062  .0000  .0070  .0024   .0   .5   .2 92: 30
S009 1 7836 L4 CSR       .0003 -.0023 -.0002 -.0023  .0000 -.0003  -.4   .0   .0 95:336
S009 1 7836 L DEOS       .0117 -.0094 -.0008 -.0118 -.0079  .0051 -1.0  -.7   .4 94:332
S009 1 7836 L DGFI      -.0012 -.0086  .0021 -.0081  .0037 -.0003 -1.0   .5   .0 95:275
S009 1 7836 L JCET       .0034  .0009  .0034  .0001 -.0007  .0049   .1  -.3  1.8 96:142
S009 1 7836 C GRIM       .0104 -.0158  .0078 -.0177 -.0005  .0102 -1.3  -.1  1.1 96:277
S009 1 7836 C1 CSR      -.0003  .0018 -.0024  .0018 -.0016 -.0018   .9  -.4  -.5 96:267

Velocities
M003 1 POTS P CODE       .0000 -.0001 -.0026 -.0001 -.0016 -.0021  -.1  -.7  -.9
M003 1 POTS P GFZ        .0018  .0008  .0010  .0004 -.0009  .0020   .5  -.7  1.6
M003 1 POTS P IGS        .0004  .0003  .0002  .0002 -.0002  .0005   .3  -.2   .5
M003 1 POTS P1 JPL      -.0012 -.0008 -.0016 -.0005  .0001 -.0021  -.5   .1 -1.2
M003 1 POTS P NCL       -.0017 -.0004 -.0017  .0000  .0004 -.0025   .0   .2 -1.5
M003 1 POTS P NOAA      -.0020 -.0003 -.0011  .0001  .0009 -.0021   .1   .6 -1.3
M003 1 POTS P EUR       -.0006  .0002 -.0011  .0003 -.0002 -.0012   .4  -.1  -.5
S001 1 1181 L CGS       -.0032 -.0025 -.0010 -.0017  .0023 -.0031  -.7   .6  -.7
S001 1 1181 L CRL       -.1372  .0862 -.1279  .1150  .0124 -.1710   .9   .0  -.5
S001 1 1181 L4 CSR      -.0322 -.0080 -.0258 -.0005  .0106 -.0407   .0   .1  -.4
S001 1 1181 L DEOS       .0442 -.0075 -.0313 -.0173 -.0519  .0005   .0   .0   .0
S001 1 1181 C GRIM       .0039 -.0736  .0088 -.0726  .0156 -.0008  -.1   .0   .0
S009 1 7836 L AUS       -.0009  .0023  .0033  .0025  .0023  .0024   .7   .7   .8
S009 1 7836 L CGS       -.0181  .0054  .0104  .0093  .0194 -.0018   .0   .0   .0
S009 1 7836 L CRL       -.0001 -.0015 -.0001 -.0014  .0003 -.0003  -.4   .1  -.1
S009 1 7836 L4 CSR       .0008 -.0013  .0009 -.0015  .0001  .0010 -1.0   .1   .4
S009 1 7836 L DEOS       .0020 -.0016  .0007 -.0021 -.0008  .0015  -.6  -.2   .3
S009 1 7836 L DGFI       .0006 -.0021  .0027 -.0022  .0016  .0022  -.7   .6   .8
S009 1 7836 L JCET       .0007 -.0008  .0007 -.0009  .0000  .0009 -1.2   .0   .6
S009 1 7836 C GRIM      -.0015 -.0043 -.0010 -.0039  .0013 -.0023 -1.0   .2  -.3
S009 1 7836 C1 CSR       .0018  .0002  .0022 -.0002 -.0001  .0029  -.2   .0  1.3

14201 WETTZELL

Positions
M004 1 7596 TIE14201     .0004 -.0005 -.0002 -.0005 -.0003  .0000  -.2  -.1   .0 97:  1
M004 1 7596 L4 CSR      -.0624  .0545 -.0274  .0670  .0189 -.0525   .3   .0  -.1 85:310
M004 1 7596 C GRIM      -.1630 -.0305 -.0681  .0066  .0808 -.1599   .1   .5 -1.0 93:  1
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M005 1 7597 TIE14201    -.0005 -.0024 -.0002 -.0022  .0006 -.0008  -.7   .2  -.3 97:  1
M005 1 7597 L CGS        .0108 -.0053 -.0014 -.0076 -.0079  .0051  -.4  -.2   .1 97:  1
M005 1 7597 L CRL        .0195  .0138 -.0197  .0091 -.0296 -.0005   .5 -1.1   .0 95:275
M005 1 7597 L4 CSR       .0055 -.0036  .0099 -.0048  .0031  .0105  -.1   .0   .1 95:160
M005 1 7597 L DEOS       .0267 -.0077 -.0103 -.0135 -.0251  .0081  -.2  -.4   .1 93:  1
M005 1 7597 L JCET      -.0306 -.0057 -.0246  .0013  .0075 -.0390   .1   .3 -1.7 95:305
M005 1 7597 C GRIM       .0204  .0122 -.0201  .0074 -.0303 -.0004   .2  -.4   .0 93:  1
M005 1 7597 C1 CSR      -.0275 -.0139 -.0050 -.0074  .0193 -.0233  -.4   .5  -.6 95:284
M007 1 7599 L4 CSR       .0219  .0158  .0300  .0105  .0008  .0389   .0   .0   .0 84:327
M009 1 WETT TIE14201    -.0019  .0025  .0000  .0029  .0010 -.0009   .9   .3  -.3 97:  1
M009 1 WETT P CODE      -.0002 -.0019  .0059 -.0018  .0044  .0040  -.6   .7   .7 97:111
M009 1 WETT P GFZ       -.0065 -.0037 -.0032 -.0021  .0033 -.0071  -.6   .6 -1.2 94:240
M009 1 WETT P EUR        .0067 -.0054 -.0052 -.0068 -.0074 -.0004 -1.1  -.4   .0 97: 49
M010 1 WTZR TIE14201     .0013  .0019  .0028  .0016  .0006  .0032   .5   .2  1.0 97:  1
M010 1 WTZR P CODE       .0006 -.0021  .0054 -.0022  .0034  .0041  -.9  1.0  1.1 97:303
M010 1 WTZR P GFZ        .0016 -.0013  .0006 -.0016 -.0006  .0013 -1.0  -.2   .5 98:203
M010 1 WTZR P IGS        .0002 -.0003  .0003 -.0003  .0001  .0003  -.5   .1   .3 98:145
M010 1 WTZR P1 JPL       .0008  .0006  .0013  .0004  .0002  .0016   .3   .1   .7 98: 17
M010 1 WTZR P NCL        .0004 -.0006  .0005 -.0007  .0002  .0005  -.5   .1   .3 98: 58
M010 1 WTZR P NOAA       .0008  .0001  .0005  .0000 -.0003  .0009   .0  -.1   .4 97:349
M010 1 WTZR P EUR        .0003 -.0001  .0001 -.0002 -.0002  .0002  -.2  -.1   .1 98: 45
M010 1 WTZR P1 IGN      -.0005  .0000  .0000  .0001  .0004 -.0003   .3   .4  -.3 98:290
M010 1 WTZR P REGAL     -.0014  .0005 -.0031  .0008 -.0010 -.0032   .6  -.4 -1.3 99: 24
M200 1 7594 L4 CSR      -.0383 -.0108 -.0397 -.0020  .0041 -.0561   .0   .0  -.2 98:206
M200 1 7594 L DEOS       .0036 -.0035 -.0024 -.0042 -.0036  .0000  -.1  -.1   .0 93:  1
M200 1 7594 C GRIM      -.1138 -.0161 -.0697  .0097  .0410 -.1276   .1   .1  -.4 99:  1
M200 1 7594 C1 CSR      -.0386 -.0097 -.0516 -.0008 -.0036 -.0651   .0   .0  -.4 98:157
S002 1 7834 TIE14201     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S002 1 7834 L CGS       -.0023  .0181 -.0153  .0182 -.0114 -.0104  1.7  -.7  -.7 88:267
S002 1 7834 L CRL       -.0122 -.0007 -.0142  .0021 -.0001 -.0186   .2   .0  -.9 90:163
S002 1 7834 L4 CSR       .0635  .0218  .0714  .0072 -.0038  .0976   .3   .0  1.2 86:262
S002 1 7834 L DEOS      -.0280 -.0047 -.0210  .0016  .0077 -.0345   .1   .6 -2.5 90:300
S004 1 7224 TIE14201     .0011  .0015  .0024  .0013  .0005  .0027   .4   .2   .9 97:  1
S004 1 7224 R GIUB       .0021  .0007  .0013  .0002 -.0008  .0024   .1  -.4  1.2 95:324
S004 1 7224 R GSFC      -.0007  .0000 -.0012  .0001 -.0003 -.0013   .2  -.2 -1.2 95:145
S004 1 7224 R SHA        .0002 -.0002 -.0002 -.0003 -.0002 -.0001  -.2  -.1   .0 96:333
S018 1 8834 TIE14201    -.0045 -.0021 -.0097 -.0011 -.0026 -.0105  -.3  -.8 -3.3 97:  1
S018 1 8834 L AUS       -.0029  .0006  .0051  .0012  .0054  .0021   .2  1.0   .4 97:245
S018 1 8834 L CGS       -.0025  .0040 -.0024  .0045 -.0004 -.0028   .6  -.1  -.4 97:  1
S018 1 8834 L CRL        .0021 -.0008  .0092 -.0012  .0047  .0082  -.2   .3   .6 92: 16
S018 1 8834 L4 CSR       .0005  .0022  .0025  .0020  .0009  .0026   .4   .1   .3 94:286
S018 1 8834 L DEOS      -.0019 -.0011 -.0019 -.0007  .0003 -.0028  -.1   .0  -.3 93:  1
S018 1 8834 L JCET       .0020  .0011  .0023  .0006 -.0001  .0032   .6  -.1  1.6 95:120
S018 1 8834 C1 CSR      -.0005 -.0015 -.0049 -.0014 -.0026 -.0043  -.9  -.9 -1.5 96:252
S100 1 7593 R GSFC       .0004  .0002  .0007  .0002  .0002  .0008   .1   .0   .2 99: 61
S100 1 7593 R SHA        .0009  .0000 -.0011 -.0002 -.0014 -.0003  -.1  -.2   .0 99: 29

Velocities
M004 1 7596 L4 CSR      -.0841 -.1090  .1036 -.0875  .1482  .0089  -.1   .2   .0
M004 1 7596 C GRIM       .0055 -.0791  .0099 -.0784  .0158 -.0005  -.1   .0   .0
M005 1 7597 L CGS       -.0175  .0059  .0117  .0097  .0195 -.0014   .0   .0   .0
M005 1 7597 L CRL       -.0312 -.0220  .0171 -.0145  .0379 -.0101  -.8  1.1  -.3
M005 1 7597 L4 CSR       .0133  .0012  .0111 -.0018 -.0028  .0171  -.1  -.1   .3
M005 1 7597 L DEOS       .0425 -.0076 -.0333 -.0169 -.0518  .0009   .0   .0   .0
M005 1 7597 L JCET      -.0179  .0633  .1301  .0657  .0877  .0962  1.5  1.8  2.1
M005 1 7597 C GRIM       .0055 -.0791  .0099 -.0784  .0158 -.0005  -.1   .0   .0
M005 1 7597 C1 CSR       .0229 -.0004  .0038 -.0055 -.0143  .0175  -.2  -.2   .3
M007 1 7599 L4 CSR      -.1524  .2415 -.2091  .2694 -.0651 -.2202   .1   .0  -.1
M009 1 WETT P CODE      -.0003  .0001 -.0025  .0001 -.0014 -.0020   .1  -.6  -.9
M009 1 WETT P GFZ        .0015  .0009  .0009  .0005 -.0007  .0018   .4  -.4  1.0
M009 1 WETT P EUR        .0003  .0001  .0011  .0000  .0005  .0011   .0   .2   .5
M010 1 WTZR P CODE      -.0003  .0001 -.0025  .0002 -.0014 -.0021   .1  -.6  -.9
M010 1 WTZR P GFZ        .0014  .0010  .0010  .0006 -.0005  .0018   .7  -.3  1.1
M010 1 WTZR P IGS       -.0006 -.0002 -.0010 -.0001 -.0001 -.0012  -.2  -.2 -1.4
M010 1 WTZR P1 JPL      -.0016 -.0003 -.0008  .0001  .0007 -.0016   .1   .3  -.7
M010 1 WTZR P NCL       -.0009 -.0005 -.0004 -.0003  .0004 -.0010  -.3   .3  -.6
M010 1 WTZR P NOAA      -.0019 -.0004 -.0011  .0001  .0008 -.0021   .0   .4 -1.0
M010 1 WTZR P EUR        .0010  .0002  .0009  .0000 -.0002  .0014   .0  -.1   .7
M010 1 WTZR P1 IGN      -.0013 -.0004 -.0020 -.0001 -.0003 -.0024  -.2  -.3 -2.0
M010 1 WTZR P REGAL      .0019  .0013  .0002  .0009 -.0015  .0015   .8  -.7   .7
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M200 1 7594 L4 CSR       .0132  .0335  .0768  .0297  .0349  .0715   .1   .1   .1
M200 1 7594 L DEOS       .0425 -.0076 -.0333 -.0169 -.0518  .0009   .0   .0   .0
M200 1 7594 C GRIM       .0055 -.0791  .0099 -.0784  .0158 -.0006  -.1   .0   .0
M200 1 7594 C1 CSR       .0613  .0353  .0262  .0207 -.0340  .0640   .0   .0   .1
S002 1 7834 L CGS       -.0022 -.0021 -.0022 -.0016  .0006 -.0034  -.9   .3 -1.6
S002 1 7834 L CRL       -.0285 -.0166 -.0695 -.0098 -.0217 -.0731  -.3  -.3 -1.0
S002 1 7834 L4 CSR       .0001 -.0022  .0011 -.0021  .0010  .0006  -.6   .1   .1
S002 1 7834 L DEOS       .0033 -.0022  .0003 -.0028 -.0019  .0020 -1.2  -.5   .5
S004 1 7224 R GIUB       .0006  .0001  .0001 -.0001 -.0004  .0005  -.1  -.4   .6
S004 1 7224 R GSFC       .0000  .0000  .0000  .0000  .0000  .0000   .0  -.1  -.2
S004 1 7224 R SHA        .0003 -.0001  .0002 -.0001 -.0001  .0003  -.1  -.1   .3
S018 1 8834 L AUS       -.0027 -.0006 -.0019  .0000  .0008 -.0032   .0   .4 -1.7
S018 1 8834 L CGS       -.0175  .0059  .0117  .0097  .0195 -.0014   .0   .0   .0
S018 1 8834 L CRL       -.0018 -.0011 -.0006 -.0006  .0011 -.0017  -.2   .2  -.3
S018 1 8834 L4 CSR      -.0005 -.0014 -.0011 -.0013 -.0001 -.0014 -1.3  -.1  -.9
S018 1 8834 L DEOS       .0425 -.0076 -.0333 -.0169 -.0518  .0009   .0   .0   .0
S018 1 8834 L JCET      -.0015  .0001 -.0019  .0005 -.0001 -.0024   .7  -.1 -2.0
S018 1 8834 C1 CSR      -.0010 -.0004 -.0013 -.0002  .0000 -.0017  -.2   .0 -1.3
S100 1 7593 R GSFC      -.0006  .0020  .0003  .0020  .0003  .0001   .7   .0   .0
S100 1 7593 R SHA       -.0045  .0021 -.0052  .0030 -.0005 -.0065   .6   .0  -.6

14202 HOHENBUNSTORF

Positions
M002 1 7600 R GSFC      -.0013  .0002 -.0007  .0004  .0006 -.0013   .1   .0  -.1 89:176
M002 1 7600 R SHA       -.0037  .0007 -.0026  .0014  .0012 -.0042   .1   .1  -.2 89:177

Velocities
M002 1 7600 R GSFC       .2024  .0640 -.0067  .0261 -.1724  .1213   .0  -.1   .1
M002 1 7600 R SHA       -.0117 -.0087  .0084 -.0064  .0155 -.0012   .0   .1   .0

14208 OBERPFAFFENHOFEN

Positions
M001 1 OBER P GFZ        .0020 -.0009  .0009 -.0013 -.0008  .0019  -.8  -.3   .6 98:280
M001 1 OBER P IGS       -.0001 -.0007 -.0006 -.0006 -.0003 -.0006  -.5  -.1  -.3 99:135
M001 1 OBER P1 JPL       .0007  .0008  .0015  .0006  .0004  .0017   .4   .2   .6 98:131
M001 1 OBER P NCL       -.0024 -.0043 -.0031 -.0037  .0003 -.0045  -.4   .0  -.2 97: 30
M001 1 OBER P NOAA       .0000 -.0002  .0002 -.0002  .0001  .0001  -.1   .0   .0 98:141
M001 1 OBER P EUR       -.0020 -.0001 -.0019  .0003  .0002 -.0027   .2   .1  -.8 98:228
M001 1 OBER P REGAL     -.0009  .0006 -.0017  .0008 -.0006 -.0018   .8  -.3  -.9 98:360

Velocities
M001 1 OBER P GFZ        .0006  .0006 -.0003  .0004 -.0007  .0002   .4  -.3   .1
M001 1 OBER P IGS       -.0008 -.0006 -.0012 -.0004 -.0001 -.0015  -.3   .0  -.7
M001 1 OBER P1 JPL      -.0008  .0001 -.0004  .0003  .0003 -.0008   .2   .1  -.3
M001 1 OBER P NCL        .0010  .0001  .0017 -.0001  .0004  .0020  -.1   .2   .8
M001 1 OBER P NOAA      -.0015  .0001 -.0002  .0004  .0010 -.0012   .2   .4  -.5
M001 1 OBER P EUR        .0011  .0003  .0012  .0001  .0000  .0017   .0   .0   .4
M001 1 OBER P REGAL      .0021  .0012  .0014  .0007 -.0008  .0026   .7  -.3  1.2

14209 EFFELSBERG

Positions
S001 1 7203 R GIUB       .0065  .0017  .0063  .0010 -.0011  .0091   .3  -.2  1.7 94:159
S001 1 7203 R GSFC      -.0057 -.0003 -.0073  .0004 -.0002 -.0093   .3  -.1 -1.9 93:220
S001 1 7203 R SHA       -.0100 -.0011 -.0137  .0001 -.0010 -.0170   .0  -.2 -2.8 95:251
S001 2 7203 R GIUB      -.0043 -.0033 -.0026 -.0027  .0020 -.0050  -.5   .2  -.4 97:  1
S001 2 7203 R GSFC      -.0065 -.0012 -.0078 -.0004  .0001 -.0102  -.3   .0 -2.0 97:  1
S001 2 7203 R SHA       -.0003  .0009 -.0053  .0009 -.0032 -.0042   .4  -.5  -.6 97:  1

Velocities
S001 1 7203 R GIUB       .0024  .0013  .0026  .0010 -.0003  .0036   .6  -.1   .9
S001 1 7203 R GSFC      -.0009  .0000 -.0009  .0001  .0001 -.0013   .2   .2 -1.5
S001 1 7203 R SHA       -.0004 -.0001 -.0014 -.0001 -.0006 -.0013  -.1  -.4 -1.0
S001 2 7203 R GIUB      -.0131  .0147  .0061  .0162  .0126 -.0025   .0   .0   .0
S001 2 7203 R GSFC      -.0294 -.0155  .0059 -.0119  .0278 -.0152   .0   .0   .0
S001 2 7203 R SHA       -.0157  .0148  .0095  .0166  .0167 -.0014   .0   .0   .0

14213 HOHENPEISSENBERG
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Positions
M002 1 7630 R GSFC       .0019  .0005  .0014  .0001 -.0005  .0023   .0   .0   .0 92:168
M002 1 7630 R SHA       -.0009  .0002 -.0004  .0004  .0004 -.0008   .0   .0   .0 92:168

Velocities
M002 1 7630 R GSFC      -.0941 -.0031  .0663  .0149  .1134 -.0133   .0   .1   .0
M002 1 7630 R SHA        .0019 -.0007 -.0013 -.0010 -.0022  .0002   .0   .0   .0

14216 KARLSRUHE

Positions
M001 1 KARL P EUR        .0004  .0001  .0006  .0001  .0001  .0007   .1   .0   .1 99:170

Velocities
M001 1 KARL P EUR        .0033  .0004  .0033 -.0001 -.0003  .0047   .0   .0   .3

14258 EUSKIRCHEN

Positions
M003 1 EUSK P EUR        .0004  .0001  .0006  .0000  .0000  .0008   .0   .0   .2 99:140

Velocities
M003 1 EUSK P EUR        .0007 -.0001  .0010 -.0002  .0001  .0012  -.1   .0   .1

14260 KARLSBURG

Positions
M001 1 7632 R GSFC       .0012  .0001  .0024 -.0002  .0004  .0026   .0   .0   .1 92:189
M001 1 7632 R SHA        .0002  .0003 -.0006  .0003 -.0006 -.0003   .0   .0   .0 92:189

Velocities
M001 1 7632 R GSFC      -.7155 -.2571  .5824 -.0815  .9539  .0266   .0   .4   .0
M001 1 7632 R SHA        .0099  .0020 -.0077 -.0004 -.0127 -.0003   .0  -.1   .0

14261 KIRSCHBERG

Positions
M001 1 7631 R GSFC       .0012  .0005  .0017  .0002  .0001  .0021   .0   .0   .1 92:179
M001 1 7631 R SHA       -.0012  .0001 -.0014  .0004  .0000 -.0018   .0   .0  -.1 92:179

Velocities
M001 1 7631 R GSFC      -.2698 -.0895  .3201 -.0202  .4215  .0719   .0   .2   .0
M001 1 7631 R SHA        .0141  .0030 -.0130 -.0006 -.0194 -.0011   .0  -.1   .0

14302 NICOSIA-ATHALASS

Positions
M001 1 NICO P CODE       .0008 -.0033  .0046 -.0032  .0044  .0018  -.9   .9   .4 98:195
M001 1 NICO P IGS       -.0001  .0002 -.0010  .0003 -.0008 -.0006   .1  -.4  -.3 98:334
M001 1 NICO P1 JPL      -.0017 -.0017 -.0019 -.0005 -.0003 -.0030  -.1  -.1  -.8 98:181
M001 1 NICO P NOAA       .0003 -.0017 -.0010 -.0016 -.0004 -.0011  -.4  -.1  -.3 98:207
M001 1 NICO P EUR        .0024  .0020  .0040  .0003  .0015  .0048   .1   .4  1.1 98:228

Velocities
M001 1 NICO P CODE      -.0002 -.0011 -.0025 -.0008 -.0016 -.0021  -.2  -.4  -.5
M001 1 NICO P IGS        .0012  .0010  .0006  .0002 -.0004  .0016   .1  -.2   .7
M001 1 NICO P1 JPL      -.0012  .0004 -.0014  .0010 -.0007 -.0014   .2  -.1  -.2
M001 1 NICO P NOAA       .0007 -.0004  .0010 -.0007  .0007  .0009  -.2   .2   .2
M001 1 NICO P EUR       -.0028  .0006 -.0020  .0021 -.0005 -.0028   .4  -.1  -.5

20101 RIYADH

Positions
S001 1 7832 L AUS       -.0304  .0040  .0169  .0248  .0229 -.0092   .8   .6  -.3 96:320
S001 1 7832 L CGS        .0029  .0120  .0013  .0061 -.0034  .0102   .4  -.2   .6 96:305
S001 1 7832 L CRL       -.0124 -.0009  .0195  .0083  .0216 -.0001   .4   .7   .0 96:305
S001 1 7832 L4 CSR      -.0175 -.0005  .0085  .0123  .0129 -.0077   .3   .4  -.2 96:325
S001 1 7832 L DEOS       .0074 -.0001  .0266 -.0054  .0220  .0158   .0   .2   .1 95:333
S001 1 7832 C GRIM       .0198 -.0267 -.0153 -.0327 -.0115 -.0116  -.7  -.3  -.3 96:365
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S001 1 7832 C1 CSR       .0046  .0042  .0013 -.0005 -.0015  .0062   .0  -.1   .4 96:327

Velocities
S001 1 7832 L AUS       -.0181 -.0076  .0029  .0078  .0103 -.0151   .2   .2  -.3
S001 1 7832 L CGS       -.0139 -.0058 -.0252  .0061 -.0171 -.0231   .1  -.5  -.6
S001 1 7832 L CRL        .0053 -.0208 -.0670 -.0182 -.0559 -.0385  -.4 -1.3  -.8
S001 1 7832 L4 CSR       .0002  .0008 -.0240  .0004 -.0220 -.0094   .0  -.6  -.2
S001 1 7832 L DEOS       .0112  .0163 -.0098  .0031 -.0171  .0135   .1  -.3   .3
S001 1 7832 C GRIM       .0344 -.0263 -.0796 -.0430 -.0742 -.0292  -.3  -.7  -.2
S001 1 7832 C1 CSR      -.0002  .0167 -.0326  .0116 -.0346 -.0029   .2  -.8  -.1

20702 BAR GIYYORA

Positions
M001 1 7530 L CGS       -.0237 -.0118 -.0283  .0040 -.0103 -.0371   .2  -.6 -2.1 97:  1
M001 1 7530 L CRL       -.0074  .0021  .0079  .0059  .0092  .0000   .4   .5   .0 94:  1
M001 1 7530 L4 CSR      -.0220 -.0127 -.0162  .0022 -.0005 -.0300   .0   .0  -.4 92:223
M001 1 7530 L DEOS       .0176 -.0037  .0128 -.0131  .0044  .0172  -.5   .2   .8 92: 99
M001 1 7530 C GRIM      -.0010 -.0076 -.0177 -.0057 -.0123 -.0137  -.1  -.1  -.1 93:322
M001 1 7530 C1 CSR       .0039  .0018 -.0019 -.0008 -.0038  .0026   .0  -.2   .1 93:342

Velocities
M001 1 7530 L CGS       -.0061  .0167  .0209  .0172  .0154  .0149   .0   .0   .0
M001 1 7530 L CRL        .0205  .0139 -.0092 -.0004 -.0209  .0162   .0  -.6   .4
M001 1 7530 L4 CSR       .0118  .0165  .0055  .0067 -.0054  .0191   .3  -.3   .9
M001 1 7530 L DEOS       .0064  .0102 -.0007  .0046 -.0064  .0091   .6  -.8  1.2
M001 1 7530 C GRIM       .0935  .0158  .0418 -.0409 -.0095  .0948  -.5  -.1   .9
M001 1 7530 C1 CSR       .0115  .0303 -.0218  .0182 -.0327  .0114   .3  -.5   .2

20703 MITZPE RAMON

Positions
S001 1 RAMO P CODE       .0046 -.0010  .0051 -.0035  .0028  .0053  -.8   .5  1.0 99:128
S001 1 RAMO P IGS        .0016  .0026  .0013  .0012 -.0003  .0030   .4  -.1  1.0 99:293
S001 1 RAMO P NOAA      -.0070 -.0064 -.0060 -.0012 -.0004 -.0111  -.3  -.1 -2.8 99: 46
S001 1 RAMO P EUR        .0060  .0070  .0069  .0023  .0014  .0112   .5   .3  2.1 99:161

Velocities
S001 1 RAMO P CODE       .0037 -.0064 -.0017 -.0074 -.0012 -.0014  -.9  -.1  -.2
S001 1 RAMO P IGS       -.0036  .0038  .0005  .0052  .0008 -.0005  1.2   .2  -.1
S001 1 RAMO P NOAA       .0018 -.0007 -.0004 -.0015 -.0009  .0007  -.2  -.2   .1
S001 1 RAMO P EUR       -.0060 -.0052 -.0054 -.0008 -.0006 -.0095  -.1  -.1  -.7

20704 TEL AVIV

Positions
M001 1 TELA P IGS       -.0001 -.0001 -.0003  .0000 -.0002 -.0003   .0   .0  -.1 98:331

Velocities
M001 1 TELA P IGS        .0000  .0002  .0000  .0002 -.0001  .0001   .0   .0   .0

20705 HAIFA

Positions
M001 1 BSHM P IGS       -.0001  .0002 -.0003  .0002 -.0003 -.0001   .0  -.1   .0 99:269

Velocities
M001 1 BSHM P IGS       -.0010  .0002 -.0006  .0007 -.0001 -.0009   .1   .0  -.1

20706 ELAT

Positions
M001 1 ELAT P IGS        .0000 -.0001 -.0003 -.0001 -.0002 -.0002   .0  -.1  -.1 98:280

Velocities
M001 1 ELAT P IGS        .0000  .0002  .0000  .0002 -.0001  .0001   .0   .0   .0

20710 METZOKI DRAGOT

Positions
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S001 1 DRAG P IGS       -.0005  .0010 -.0005  .0011 -.0005 -.0001   .1  -.1   .0  0:225

Velocities
S001 1 DRAG P IGS       -.0058 -.0044 -.0046 -.0002 -.0001 -.0086   .0   .0  -.3

20711 KIBUTZ EL-ROM

Positions
S001 1 ELRO P IGS       -.0004  .0009 -.0006  .0010 -.0006 -.0001   .1  -.1   .0  0:246

Velocities
S001 1 ELRO P IGS       -.0086 -.0080 -.0066 -.0015  .0009 -.0134   .0   .0  -.3

20801 DIYARBAKIR

Positions
M001 1 7575 L CGS        .0046  .0056 -.0221  .0013 -.0218 -.0080   .0  -.6  -.2 97:  1
M001 1 7575 L4 CSR      -.0053  .0009 -.0201  .0041 -.0137 -.0151   .1  -.2  -.2 88:192
M001 1 7575 L DEOS      -.0033  .0165 -.0038  .0148 -.0080  .0041   .2  -.1   .1 89:211
M001 1 7575 C GRIM      -.0157 -.0105 -.0170  .0021 -.0019 -.0252   .1  -.1 -1.0 89:242

Velocities
M001 1 7575 L CGS       -.0232 -.0026  .0165  .0130  .0249 -.0051   .0   .0   .0
M001 1 7575 L4 CSR      -.0031  .0066  .0059  .0071  .0035  .0051   .3   .1   .2
M001 1 7575 L DEOS       .0053  .0116  .0019  .0055 -.0056  .0102   .2  -.2   .3
M001 1 7575 C GRIM       .0062 -.0043  .0117 -.0073  .0081  .0087  -.1   .1   .1

20802 YOZGAT

Positions
M001 1 7585 L CGS       -.0291 -.0009 -.0427  .0158 -.0172 -.0460   .7  -.6 -1.6 90:147
M001 1 7585 L4 CSR       .0035  .0265 -.0484  .0198 -.0487 -.0172   .3  -.6  -.2 91:159
M001 1 7585 L DEOS      -.0250  .0085 -.0157  .0213 -.0020 -.0220   .6  -.1  -.6 90:215
M001 1 7585 C GRIM      -.0318 -.0494  .0097 -.0224  .0422 -.0355  -.4   .7  -.6 89:182

Velocities
M001 1 7585 L CGS       -.0140  .0250 -.0332  .0285 -.0273 -.0191  2.4 -1.7 -1.2
M001 1 7585 L4 CSR      -.0049  .0239 -.0376  .0224 -.0351 -.0167  1.8 -2.2 -1.1
M001 1 7585 L DEOS       .0001  .0349 -.0282  .0286 -.0345 -.0027  1.5 -1.9  -.2
M001 1 7585 C GRIM       .0073  .0254 -.0043  .0167 -.0164  .0130   .2  -.2   .1

20803 MELENGICLICK

Positions
M001 1 7580 L CGS       -.0012  .0073 -.0001  .0068 -.0018  .0023   .3  -.1   .1 90:361
M001 1 7580 L4 CSR      -.0008 -.0001 -.0062  .0004 -.0045 -.0043   .0  -.1  -.1 90: 14
M001 1 7580 L DEOS       .0030  .0078  .0071  .0049  .0016  .0097   .2   .0   .3 89:321
M001 1 7580 C GRIM      -.0121  .0080 -.0175  .0133 -.0104 -.0152   .4  -.3  -.5 89:175

Velocities
M001 1 7580 L CGS        .0009 -.0042  .0048 -.0040  .0048  .0017  -.3   .3   .1
M001 1 7580 L4 CSR      -.0053 -.0087 -.0006 -.0044  .0051 -.0077  -.3   .3  -.5
M001 1 7580 L DEOS       .0025 -.0058  .0020 -.0062  .0022  .0004  -.4   .1   .0
M001 1 7580 C GRIM      -.0039 -.0149 -.0012 -.0103  .0060 -.0098  -.3   .2  -.3

20804 YIGILCA

Positions
M001 1 7587 L CGS        .0089  .0191 -.0113  .0117 -.0200  .0058   .6  -.8   .2 90:  2
M001 1 7587 L4 CSR      -.0038 -.0073  .0004 -.0042  .0049 -.0050  -.1   .1  -.1 90:170
M001 1 7587 L DEOS       .0042 -.0001  .0048 -.0022  .0013  .0058  -.1   .0   .1 89:123
M001 1 7587 C GRIM       .0040  .0065  .0050  .0035 -.0006  .0084   .1   .0   .2 89:141

Velocities
M001 1 7587 L CGS       -.0039 -.0032 -.0003 -.0008  .0030 -.0040  -.1   .3  -.3
M001 1 7587 L4 CSR       .0010 -.0009  .0036 -.0013  .0025  .0026  -.2   .2   .2
M001 1 7587 L DEOS       .0036 -.0066 -.0033 -.0075 -.0022 -.0024  -.4  -.1  -.1
M001 1 7587 C GRIM       .0013 -.0054  .0084 -.0052  .0075  .0042  -.2   .2   .1

20805 ANKARA
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Positions
M001 1 7589 TIE20805     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7589 L CGS        .0691  .0955  .1103  .0429  .0143  .1550  1.2   .3  3.7 97:  1
M001 1 7589 L4 CSR       .1620  .1992  .1978  .0799 -.0047  .3141   .8   .0  2.4 93: 78
M002 1 ANKR TIE20805    -.0093  .0187  .0010  .0208 -.0007  .0025  2.6  -.1   .4 97:  1
M002 1 ANKR P CODE      -.0005 -.0037  .0036 -.0028  .0043  .0005  -.9  1.0   .1 98: 65
M002 1 ANKR P IGS        .0001  .0002  .0001  .0001 -.0001  .0002   .1  -.1   .1 97:350
M002 1 ANKR P1 JPL       .0006 -.0004 -.0009 -.0007 -.0008 -.0004  -.3  -.3  -.2 97:287
M002 1 ANKR P NCL        .0004 -.0011  .0011 -.0011  .0010  .0005  -.6   .4   .2 97:352
M002 1 ANKR P NOAA      -.0011 -.0014 -.0023 -.0006 -.0007 -.0027  -.2  -.3 -1.0 97:333
M002 1 ANKR P EUR        .0052  .0019  .0060 -.0012  .0011  .0080  -.4   .3  2.1 98:111
M002 2 ANKR P EUR       -.0059 -.0029 -.0039  .0007  .0012 -.0076   .1   .2 -1.0 99:331

Velocities
M001 1 7589 L CGS       -.0064 -.0134  .0103 -.0078  .0160 -.0031   .0   .0   .0
M001 1 7589 L4 CSR      -.0547 -.0080  .1149  .0229  .1204  .0351   .1   .3   .1
M002 1 ANKR P CODE       .0001  .0017 -.0024  .0014 -.0024 -.0008   .5  -.7  -.3
M002 1 ANKR P IGS       -.0004  .0007 -.0001  .0008 -.0001 -.0001   .6  -.1   .0
M002 1 ANKR P1 JPL      -.0006 -.0007  .0004 -.0003  .0009 -.0004  -.1   .5  -.2
M002 1 ANKR P NCL        .0016 -.0009  .0018 -.0016  .0008  .0018 -1.0   .4   .9
M002 1 ANKR P NOAA      -.0021  .0009 -.0013  .0019 -.0002 -.0018  1.0  -.1  -.9
M002 1 ANKR P EUR        .0010  .0005  .0018 -.0002  .0006  .0020   .0   .1   .5
M002 2 ANKR P EUR        .0010  .0005  .0018 -.0002  .0006  .0020   .0   .1   .5

20808 TRABZON

Positions
M001 1 TRAB P IGS        .0001 -.0004 -.0008 -.0004 -.0005 -.0006   .0   .0  -.1  0:189

Velocities
M001 1 TRAB P IGS        .0077  .0029  .0060 -.0027 -.0006  .0098  -.1   .0   .2

21501 EVEREST

Positions
S001 1 EVEB D GRGS       .0721  .0156 -.0093 -.0712 -.0174  .0129 -2.0 -1.0   .6 96: 26
S001 1 EVEB D9 IGN      -.0243 -.0394  .0078  .0221  .0260 -.0322   .7  1.3 -1.3 96:256
S001 1 EVEB C GRIM      -.0086 -.0176 -.0164  .0076 -.0060 -.0236   .2  -.3 -1.0 97:136
S001 1 EVEB C1 CSR      -.0024  .0080  .0013  .0028 -.0026  .0075   .2  -.3   .8 96:299

Velocities
S001 1 EVEB D GRGS      -.0021 -.0024 -.0018  .0020 -.0004 -.0031   .1   .0  -.2
S001 1 EVEB D9 IGN      -.0049 -.0014 -.0036  .0048 -.0024 -.0032   .3  -.2  -.3
S001 1 EVEB C GRIM       .0091 -.0034  .0002 -.0093  .0015 -.0024  -.4   .1  -.2
S001 1 EVEB C1 CSR       .0040  .0003  .0017 -.0040  .0012  .0013  -.6   .3   .3

21601 BEIJING

Positions
M001 1 BJFS TIE21601     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 BJFS P GFZ        .0054  .0010  .0028 -.0053  .0032  .0007  -.6   .3   .1 99:358
M001 1 BJFS P IGS       -.0023  .0015 -.0001  .0014 -.0016  .0017   .4  -.4   .4  0:195
S004 1 7249 TIE21601    -.0158  .0253  .0795  .0032  .0423  .0736   .1  1.4  2.5 97:  1
S004 1 7249 L AUS       -.0044 -.0031 -.0042  .0053 -.0027 -.0034   .5  -.3  -.3 99:264
S004 1 7249 L CGS       -.0071  .0021 -.0045  .0055 -.0066  .0010   .3  -.3   .0 98: 22
S004 1 7249 L CRL       -.0323 -.0296  .0155  .0420  .0199  .0002   .6   .2   .0 98:207
S004 1 7249 L4 CSR      -.0508  .0152  .0689  .0390  .0303  .0715   .2   .1   .3 98:311
S004 1 7249 L DGFI      -.0134 -.0152  .0337  .0187  .0310  .0154   .3   .6   .3 98:223
S004 1 7249 C GRIM       .0138 -.0158 -.0343 -.0055 -.0135 -.0374  -.1  -.1  -.4 98:206
S004 1 7249 C1 CSR       .0011 -.0011  .0032 -.0005  .0033  .0009   .0   .1   .0 98: 55

Velocities
M001 1 BJFS P GFZ       -.0191  .0186  .0090  .0091 -.0090  .0250   .6  -.5  1.5
M001 1 BJFS P IGS       -.0149  .0178  .0074  .0056 -.0087  .0221   .4  -.5  1.3
S004 1 7249 L AUS        .0400  .0115 -.0182 -.0411 -.0095 -.0171 -2.3  -.6 -1.1
S004 1 7249 L CGS       -.0003  .0213  .0128 -.0090 -.0024  .0230  -.6  -.1  1.1
S004 1 7249 L CRL        .0318  .0344  .0426 -.0436  .0220  .0403 -1.0   .4   .7
S004 1 7249 L4 CSR       .0117 -.0116  .0129 -.0054  .0199 -.0037  -.1   .3  -.1
S004 1 7249 L DGFI       .0020 -.0159  .0043  .0052  .0130 -.0089   .1   .3  -.2
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S004 1 7249 C GRIM      -.0016 -.0148  .0236  .0079  .0262  .0054   .1   .2   .0
S004 1 7249 C1 CSR      -.0058  .0132  .0058 -.0006 -.0047  .0148   .0  -.1   .4

21602 WUHAN

Positions
M001 1 WUHN P CODE       .0035 -.0071  .0018 -.0002  .0056 -.0059  -.1  1.2 -1.4 98: 53
M001 1 WUHN P IGS       -.0027  .0055  .0028  .0002 -.0007  .0067   .1  -.4  3.7 98:214
M001 1 WUHN P NCL        .0015 -.0033 -.0018  .0000  .0003 -.0040   .0   .1 -1.5 98:136
M001 1 WUHN P NOAA       .0023 -.0043 -.0059 -.0003 -.0026 -.0072  -.1  -.9 -2.2 98: 45
S003 1 7236 L AUS       -.0233 -.0004  .0439  .0214  .0331  .0303   .5   .7   .7 96: 97
S003 1 7236 L CRL        .0133 -.0249 -.0084 -.0018  .0071 -.0285  -.1   .2  -.7 95:350
S003 1 7236 L4 CSR       .0028  .0128  .0087 -.0078  .0021  .0134  -.1   .0   .1 91: 16
S003 1 7236 L JCET       .0289  .0118 -.0104 -.0312 -.0084 -.0063  -.2   .0   .0 96:160
S003 1 7236 C GRIM       .0369  .0071 -.0060 -.0366 -.0007 -.0105  -.7   .0  -.2 96:101
S003 1 7236 C1 CSR       .0475 -.0149 -.0243 -.0371 -.0040 -.0409  -.3   .0  -.3 94:  1

Velocities
M001 1 WUHN P CODE      -.0010  .0017 -.0013  .0002 -.0021  .0010   .1  -.6   .3
M001 1 WUHN P IGS        .0000 -.0007 -.0009  .0003 -.0004 -.0010   .2  -.3  -.7
M001 1 WUHN P NCL        .0008 -.0027 -.0020  .0003 -.0003 -.0034   .1  -.1 -1.1
M001 1 WUHN P NOAA      -.0008 -.0018 -.0014  .0015 -.0005 -.0019   .6  -.2  -.7
S003 1 7236 L AUS        .0163  .0052  .0047 -.0169  .0051  .0007  -.7   .2   .0
S003 1 7236 L CRL        .0160 -.0202  .0105 -.0062  .0217 -.0162  -.4  1.2  -.8
S003 1 7236 L4 CSR       .0014 -.0110 -.0049  .0033  .0011 -.0116   .1   .0  -.3
S003 1 7236 L JCET       .0094  .0156  .0009 -.0150 -.0044  .0094  -.1   .0   .1
S003 1 7236 C GRIM       .0124  .0112  .0075 -.0159  .0039  .0082  -.5   .1   .2
S003 1 7236 C1 CSR      -.0183  .0028  .0117  .0155  .0050  .0146   .3   .1   .2

21604 PURPLE MOUNTAIN

Positions
S003 1 PURA D GRGS       .0316 -.0298  .0277 -.0134  .0454 -.0203  -.5  2.2  -.8 96:145
S003 1 PURA D9 IGN      -.0122 -.0022  .0118  .0117  .0079  .0096   .5   .4   .4 96:126
S003 1 PURA C GRIM       .0357 -.0343 -.0338 -.0147 -.0036 -.0580  -.5  -.2 -2.3 97:112
S003 1 PURA C1 CSR      -.0062  .0138 -.0033 -.0012 -.0108  .0110  -.1 -1.4  1.3 96:221

Velocities
S003 1 PURA D GRGS       .0051 -.0050 -.0033 -.0021  .0008 -.0075  -.1   .1  -.5
S003 1 PURA D9 IGN      -.0064  .0013  .0029  .0049  .0002  .0051   .4   .0   .4
S003 1 PURA C GRIM       .0100 -.0004  .0021 -.0086  .0046 -.0032  -.4   .3  -.2
S003 1 PURA C1 CSR      -.0003  .0006  .0013  .0000  .0008  .0013   .0   .2   .3

21605 SHANGHAI

Positions
M002 1 SHAO P CODE       .0028 -.0045  .0042 -.0001  .0064 -.0024   .0  1.5  -.6 97:242
M002 1 SHAO P IGS       -.0011  .0013  .0003  .0003 -.0006  .0016   .2  -.4  1.0 97:324
M002 1 SHAO P1 JPL       .0010  .0007  .0005 -.0012  .0004  .0004  -.5   .2   .2 97:109
M002 1 SHAO P NCL       -.0001 -.0005  .0004  .0004  .0006 -.0001   .2   .2   .0 98: 27
M002 1 SHAO P NOAA       .0014 -.0021 -.0045 -.0001 -.0026 -.0045   .0  -.9 -1.4 97:295
S001 1 7837 TIE21605     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7837 L AUS       -.0186 -.0163  .0000  .0243  .0022 -.0036  1.5   .1  -.2 98:307
S001 1 7837 L CGS       -.0084 -.0070  .0047  .0108  .0049  .0011  1.2   .6   .1 94:355
S001 1 7837 L CRL       -.0027 -.0197 -.0044  .0126  .0042 -.0155   .7   .2  -.9 94: 48
S001 1 7837 L4 CSR      -.0036 -.0235 -.0014  .0153  .0082 -.0163   .4   .2  -.3 95:187
S001 1 7837 L DEOS       .0006 -.0237  .0193  .0118  .0272 -.0076   .8  1.6  -.5 92:328
S001 1 7837 L DGFI      -.0151 -.0129  .0258  .0196  .0237  .0106  1.7  2.1   .9 94:347
S001 1 7837 L JCET       .0015  .0069  .0038 -.0048  .0006  .0063  -.6   .1   .7 98:112
S001 1 7837 C GRIM       .0148  .0118  .0033 -.0188  .0016  .0038 -1.0   .1   .2 96: 63
S001 1 7837 C1 CSR      -.0054  .0114  .0024 -.0013 -.0044  .0120  -.1  -.3   .7 97:183
S008 1 7226 R SHA       -.0117  .0022  .0042  .0088 -.0006  .0090   .0   .0   .0 86:165
S009 1 7227 TIE21605    -.0390  .0202  .0308  .0229  .0070  .0480  1.1   .3  2.4 97:  1
S009 1 7227 R GIUB       .0040 -.0021  .0014 -.0024  .0032 -.0026  -.5   .7  -.6 95:273
S009 1 7227 R GSFC       .0039 -.0013  .0006 -.0027  .0021 -.0024 -1.0   .8  -.8 95:360
S009 1 7227 R SHA        .0034 -.0037 -.0016 -.0010  .0012 -.0050  -.3   .4 -1.5 96:185

Velocities
M002 1 SHAO P CODE      -.0007  .0011 -.0016  .0000 -.0020  .0003   .0  -.7   .1
M002 1 SHAO P IGS       -.0005 -.0013 -.0010  .0011 -.0004 -.0013   .8  -.3  -.9
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M002 1 SHAO P1 JPL       .0014 -.0015  .0000 -.0004  .0010 -.0017  -.3   .7 -1.0
M002 1 SHAO P NCL        .0003 -.0020 -.0014  .0008 -.0002 -.0023   .5  -.1 -1.2
M002 1 SHAO P NOAA       .0000 -.0021 -.0017  .0011 -.0005 -.0024   .4  -.2 -1.0
S001 1 7837 L AUS       -.0099  .0066 -.0097  .0050 -.0138  .0042   .5 -1.4   .4
S001 1 7837 L CGS       -.0029  .0005  .0010  .0023 -.0002  .0022   .8  -.1   .8
S001 1 7837 L CRL       -.0053  .0045  .0052  .0023  .0010  .0083   .4   .2  1.6
S001 1 7837 L4 CSR      -.0051  .0020  .0038  .0033  .0010  .0057   .5   .2   .8
S001 1 7837 L DEOS      -.0044 -.0017 -.0005  .0047 -.0009  .0004   .9  -.2   .1
S001 1 7837 L DGFI      -.0015 -.0038  .0004  .0032  .0016 -.0019   .9   .4  -.5
S001 1 7837 L JCET      -.0071  .0086  .0050  .0016 -.0014  .0121   .4  -.3  2.9
S001 1 7837 C GRIM       .0036  .0064  .0024 -.0064  .0002  .0043 -1.0   .0   .7
S001 1 7837 C1 CSR      -.0041  .0041  .0010  .0014 -.0020  .0053   .2  -.3   .7
S008 1 7226 R SHA       -.0073 -.0055 -.0020  .0091 -.0012 -.0018   .0   .0   .0
S009 1 7227 R GIUB       .0007 -.0002 -.0006 -.0004 -.0002 -.0008  -.3  -.2  -.5
S009 1 7227 R GSFC       .0003  .0003 -.0003 -.0004 -.0004  .0000  -.5  -.5  -.1
S009 1 7227 R SHA        .0009 -.0003 -.0009 -.0006 -.0004 -.0011  -.4  -.2  -.7

21609 KUNMING

Positions
M001 1 KUNM P IGS       -.0008  .0018 -.0008  .0004 -.0015  .0014   .1  -.3   .2 99:339
M001 1 KUNM P NOAA       .0022 -.0063 -.0065 -.0008 -.0031 -.0088  -.2  -.5 -1.1 99: 95
S002 1 7820 L4 CSR      -.0225 -.0093  .0220  .0240  .0217  .0056  1.0   .5   .1 99:126
S002 1 7820 C GRIM       .0416  .0038  .0070 -.0414  .0087 -.0021  -.7   .1   .0 99: 74
S002 1 7820 C1 CSR      -.0012  .0113  .0192 -.0013  .0126  .0183   .0   .1   .1 99:178

Velocities
M001 1 KUNM P IGS       -.0023  .0038  .0013  .0014 -.0006  .0044   .3  -.1   .4
M001 1 KUNM P NOAA       .0043  .0011  .0006 -.0044  .0005  .0004  -.3   .0   .0
S002 1 7820 L4 CSR       .0101 -.0279  .0208 -.0037  .0313 -.0178  -.2  1.1  -.5
S002 1 7820 C GRIM       .0030  .0527 -.0109 -.0146 -.0313  .0414   .0  -.1   .1
S002 1 7820 C1 CSR       .0367 -.0296 -.0142 -.0292  .0028 -.0395  -.2   .0  -.1

21611 CHANGCHUN

Positions
S001 1 7237 L AUS       -.0111 -.0021 -.0080  .0103 -.0091 -.0021  1.0 -1.0  -.2 99:132
S001 1 7237 L CGS       -.0051 -.0197  .0028  .0156  .0111 -.0075  1.8  1.2  -.8 97:115
S001 1 7237 L CRL       -.0125 -.0295  .0023  .0273  .0133 -.0105  1.1   .6  -.5 96:266
S001 1 7237 L4 CSR      -.0159 -.0130  .0329  .0205  .0247  .0218   .8   .7   .6 98:238
S001 1 7237 L DEOS      -.0013 -.0494  .0108  .0298  .0351 -.0210   .3   .3  -.2 95:267
S001 1 7237 L DGFI      -.0153 -.0276  .0237  .0285  .0265  .0066  2.1  2.0   .5 97:138
S001 1 7237 L JCET       .0026  .0061  .0103 -.0056  .0051  .0096  -.8   .6  1.1 99:231
S001 1 7237 C GRIM       .0202  .0038 -.0028 -.0187  .0040 -.0081  -.6   .1  -.3 97:209
S001 1 7237 C1 CSR       .0006  .0069 -.0131 -.0045 -.0131 -.0052  -.6 -1.3  -.5 98:143

Velocities
S001 1 7237 L AUS       -.0127  .0139 -.0190  .0023 -.0266  .0003   .2 -2.7   .0
S001 1 7237 L CGS       -.0080  .0067  .0127  .0026  .0021  .0161   .7   .5  3.5
S001 1 7237 L CRL       -.0048  .0051  .0081  .0010  .0011  .0106   .1   .1  1.3
S001 1 7237 L4 CSR      -.0072 -.0012  .0069  .0065  .0028  .0071   .8   .3   .7
S001 1 7237 L DEOS      -.0020 -.0028  .0004  .0033  .0010 -.0006   .2   .1   .0
S001 1 7237 L DGFI       .0018 -.0068 -.0021  .0025  .0030 -.0062   .4   .6 -1.1
S001 1 7237 L JCET      -.0022  .0028  .0025  .0002 -.0006  .0043   .0  -.1   .5
S001 1 7237 C GRIM      -.0066  .0086  .0195  .0004  .0066  .0213   .0   .3   .8
S001 1 7237 C1 CSR      -.0047  .0060  .0080  .0004  .0005  .0110   .1   .1  1.2

21612 URUMQI

Positions
M001 1 URUM P CODE       .0047 -.0004  .0024 -.0047  .0019  .0015 -1.1   .2   .2 99:356
M001 1 URUM P GFZ        .0022  .0007  .0020 -.0021  .0009  .0019 -1.0   .2   .5 99:116
M001 1 URUM P IGS       -.0002 -.0014 -.0015  .0002 -.0001 -.0021   .1   .0  -.6  0: 20
M001 1 URUM P NOAA       .0000 -.0015 -.0075 -.0001 -.0044 -.0063   .0  -.8 -1.2 99:140
S001 1 7330 R GIUB       .0036  .0013  .0039 -.0035  .0018  .0038  -.7   .2   .5 98: 94
S001 1 7330 R GSFC       .0029 -.0006  .0004 -.0029  .0006 -.0001 -1.2   .1   .0 98:285
S001 1 7330 R SHA        .0017  .0000  .0005 -.0017  .0003  .0005  -.5   .1   .1 98:103

Velocities
M001 1 URUM P CODE       .0160  .0366  .0281 -.0145 -.0055  .0463 -1.0  -.1   .9
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M001 1 URUM P GFZ       -.0007 -.0019  .0020  .0006  .0028  .0000   .3   .7   .0
M001 1 URUM P IGS        .0004  .0032  .0015 -.0003 -.0012  .0033  -.2  -.2   .7
M001 1 URUM P NOAA      -.0007 -.0001 -.0015  .0007 -.0010 -.0011   .1  -.1  -.1
S001 1 7330 R GIUB       .0021  .0004 -.0009 -.0021 -.0010 -.0002  -.5  -.1   .0
S001 1 7330 R GSFC       .0004 -.0021 -.0039 -.0005 -.0014 -.0042  -.2  -.2  -.7
S001 1 7330 R SHA       -.0004  .0039  .0006  .0006 -.0022  .0033   .2  -.4   .6

21613 LHASA

Positions
M001 1 LHAS P CODE       .0011 -.0055  .0050 -.0010  .0071 -.0023  -.3  1.4  -.5 97:303
M001 1 LHAS P GFZ        .0018 -.0018 -.0026 -.0018 -.0014 -.0029  -.7  -.3  -.6 98:118
M001 1 LHAS P IGS       -.0004  .0014 -.0001  .0004 -.0008  .0012   .4  -.5   .6 98:155
M001 1 LHAS P1 JPL       .0029  .0025  .0022 -.0029  .0007  .0032 -1.4   .2   .8 97:186
M001 1 LHAS P NCL        .0004 -.0021 -.0008 -.0003  .0003 -.0022  -.2   .1  -.8 98: 16
M001 1 LHAS P NOAA       .0018  .0000 -.0016 -.0018 -.0013 -.0008  -.5  -.4  -.2 97:276

Velocities
M001 1 LHAS P CODE       .0007 -.0005 -.0034 -.0006 -.0028 -.0021  -.3  -.7  -.5
M001 1 LHAS P GFZ        .0006  .0005  .0000 -.0006 -.0003  .0004  -.4  -.1   .1
M001 1 LHAS P IGS       -.0002  .0026  .0014  .0001  .0000  .0030   .2   .0  1.8
M001 1 LHAS P1 JPL       .0002 -.0051 -.0022 -.0001  .0006 -.0056  -.1   .2 -1.7
M001 1 LHAS P NCL        .0001 -.0035 -.0021 -.0001 -.0001 -.0041   .0  -.1 -1.3
M001 1 LHAS P NOAA       .0015 -.0025 -.0026 -.0014 -.0010 -.0035  -.6  -.4 -1.2

21614 SHAANXI

Positions
M001 1 XIAN P CODE       .0019 -.0053  .0039  .0000  .0064 -.0024   .0  1.4  -.6 98: 64
M001 1 XIAN P IGS       -.0015  .0013  .0003  .0010 -.0007  .0016   .6  -.3   .6 98: 72
M001 1 XIAN P1 JPL       .0004  .0008  .0034 -.0006  .0024  .0025  -.3   .8   .8 98:111
M001 1 XIAN P NCL        .0011 -.0012 -.0022 -.0007 -.0010 -.0024  -.4  -.4 -1.0 98:111
M001 1 XIAN P NOAA       .0021 -.0008 -.0026 -.0017 -.0013 -.0027  -.5  -.4  -.8 98: 41

Velocities
M001 1 XIAN P CODE      -.0006  .0019 -.0010 -.0001 -.0020  .0011   .0  -.5   .3
M001 1 XIAN P IGS       -.0016  .0016  .0011  .0010 -.0003  .0023   .5  -.1   .6
M001 1 XIAN P1 JPL       .0001 -.0026 -.0003  .0008  .0011 -.0022   .3   .3  -.6
M001 1 XIAN P NCL       -.0007  .0005  .0009  .0005  .0004  .0011   .2   .1   .3
M001 1 XIAN P NOAA       .0003 -.0022 -.0025  .0005 -.0008 -.0032   .2  -.3 -1.0

21701 KASHIMA

Positions
M002 1 7335 L AUS       -.0103 -.0187  .0122  .0210  .0122  .0040   .5   .3   .1 98:150
M002 1 7335 L CGS       -.0194 -.0043 -.0161  .0156 -.0203  .0005   .4  -.5   .0 99:207
M002 1 7335 L CRL       -.0082 -.0232 -.0011  .0231  .0040 -.0074   .9   .1  -.2 99:126
M002 1 7335 L4 CSR      -.0113 -.0318  .0202  .0317  .0230  .0026  1.1   .8   .1 99:291
M002 1 7335 L DEOS      -.0446 -.1364  .0117  .1337  .0400 -.0352   .2   .0   .0 95:135
M002 1 7335 L JCET      -.0022  .0019  .0066 -.0001  .0037  .0062   .0   .4   .6 99:243
M002 1 7335 C GRIM       .0310 -.0042  .0180 -.0164  .0302 -.0110  -.4   .7  -.3 99:161
M002 1 7335 C1 CSR      -.0030 -.0067  .0053  .0071  .0054  .0016   .1   .1   .0 99:326
S001 1 1856 R GIUB       .0045 -.0007 -.0004 -.0023  .0020 -.0034  -.8   .6 -1.0 95:185
S001 1 1856 R GSFC       .0017 -.0012  .0012 -.0002  .0022 -.0010  -.1   .7  -.3 95:164
S001 1 1856 R SHA        .0042 -.0026 -.0024 -.0007  .0009 -.0054  -.2   .2 -1.5 96:257
S004 1 1857 R GIUB       .0087 -.0009 -.0011 -.0048  .0034 -.0065 -1.2   .7 -1.4 93:323
S004 1 1857 R GSFC      -.0023  .0018 -.0006  .0001 -.0022  .0020   .0  -.5   .4 95: 54
S004 1 1857 R SHA       -.0069  .0091  .0103 -.0026  .0018  .0150  -.5   .3  2.7 95:195
S006 1 7334 R GSFC      -.0012  .0024 -.0041 -.0011 -.0048 -.0004  -.2  -.9  -.1  0:128

Velocities
M002 1 7335 L AUS        .0054 -.0109 -.0020  .0050  .0049 -.0101   .2   .2  -.4
M002 1 7335 L CGS       -.0369  .0135  .0742  .0129  .0383  .0736   .1   .2   .5
M002 1 7335 L CRL        .0027 -.0065  .0113  .0033  .0128  .0017   .1   .5   .1
M002 1 7335 L4 CSR      -.0246  .0110  .0101  .0070 -.0071  .0270   .3  -.2   .9
M002 1 7335 L DEOS       .0022  .0222  .0022 -.0186 -.0055  .0114  -.1   .0   .1
M002 1 7335 L JCET       .0279 -.0097 -.0238 -.0102 -.0030 -.0365  -.4  -.1 -1.3
M002 1 7335 C GRIM       .0632 -.0677 -.1411  .0123 -.0604 -.1571   .0  -.2  -.5
M002 1 7335 C1 CSR       .0043 -.0058 -.0046  .0018  .0004 -.0084   .0   .0   .0
S001 1 1856 R GIUB       .0013 -.0005 -.0007 -.0004  .0002 -.0014  -.4   .2 -1.3
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S001 1 1856 R GSFC       .0008 -.0004 -.0005 -.0002  .0000 -.0010  -.6   .1 -2.4
S001 1 1856 R SHA        .0011 -.0002 -.0009 -.0005 -.0001 -.0013  -.4  -.1 -1.0
S004 1 1857 R GIUB      -.0014  .0030  .0013 -.0014 -.0007  .0032  -.8  -.3  1.6
S004 1 1857 R GSFC      -.0011  .0007 -.0016  .0002 -.0021  .0001   .3 -3.4   .2
S004 1 1857 R SHA       -.0015  .0024  .0011 -.0009 -.0007  .0028  -.6  -.4  1.7
S006 1 7334 R GSFC       .0079  .0036  .0005 -.0078  .0027 -.0028  -.4   .1  -.1

21702 MIZUSAWA

Positions
S009 1 7314 R GSFC      -.0020  .0007  .0041  .0007  .0019  .0041   .1   .1   .3 91:289
S009 1 7314 R SHA       -.0037 -.0023  .0011  .0041 -.0001  .0018   .1   .0   .0 91:307
S010 1 7324 R GIUB      -.0018  .0028  .0063 -.0011  .0029  .0064  -.1   .1   .3 93:331
S010 1 7324 R GSFC       .0028 -.0003  .0000 -.0016  .0015 -.0018  -.1   .1  -.1 95: 15
S010 1 7324 R SHA        .0000  .0000  .0040  .0000  .0031  .0025   .0   .2   .2 93:338

Velocities
S009 1 7314 R GSFC      -.1373  .1753  .1378 -.0506 -.0299  .2552  -.3  -.2  1.3
S009 1 7314 R SHA       -.0049  .0192 -.0178 -.0119 -.0238  .0010  -.1  -.1   .0
S010 1 7324 R GIUB       .0267 -.0243 -.0147  .0022  .0114 -.0372   .0   .2  -.7
S010 1 7324 R GSFC      -.0010  .0011  .0008 -.0002 -.0003  .0017   .0  -.1   .3
S010 1 7324 R SHA        .0308 -.0291 -.0192  .0034  .0118 -.0449   .1   .3 -1.2

21704 KOGANEI

Positions
M001 1 7328 L AUS       -.0194  .0086 -.0064  .0061 -.0171  .0128   .2  -.7   .5 98:301
M001 1 7328 L CGS        .0092 -.0389 -.0016  .0236  .0175 -.0271   .8   .6  -.9 99:168
M001 1 7328 L CRL       -.0046 -.0204  .0080  .0185  .0121 -.0033   .8   .4  -.1 98:209
M001 1 7328 L4 CSR      -.0111 -.0327  .0182  .0321  .0223  .0002  1.2   .8   .0 99:291
M001 1 7328 L DEOS      -.0068 -.0402  .0191  .0350  .0277 -.0059   .1   .1   .0 95: 88
M001 1 7328 L JCET      -.0044  .0062  .0043 -.0019 -.0008  .0085  -.3  -.1  1.4 99:160
M001 1 7328 C GRIM       .0335  .0011  .0073 -.0226  .0204 -.0159  -.4   .3  -.2 99:  1
M001 1 7328 C1 CSR       .0006 -.0083  .0020  .0059  .0050 -.0036   .1   .1  -.1 99:281
S002 1 7308 L AUS        .0050 -.0048 -.0018  .0004  .0026 -.0066   .0   .1  -.2 97:  1
S002 1 7308 L CGS        .0072 -.0375 -.0165  .0238  .0040 -.0339  1.2   .2 -1.7 96:118
S002 1 7308 L CRL        .0051 -.0318  .0014  .0208  .0154 -.0192  1.0   .6  -.8 96:334
S002 1 7308 L4 CSR       .0012 -.0131  .0222  .0092  .0236  .0053   .1   .2   .1 95:140
S002 1 7308 L DEOS      -.0333 -.0089  .0083  .0284 -.0047  .0207   .1   .0   .1 93:  1
S002 1 7308 L DGFI      -.0391 -.0058  .0425  .0298  .0194  .0459  1.1   .8  1.7 96:366
S002 1 7308 L JCET       .0086  .0043 -.0082 -.0089 -.0045 -.0078  -.7  -.4  -.6 96:261
S002 1 7308 C GRIM       .0304  .0015 -.0212 -.0209 -.0043 -.0304  -.5  -.1  -.8 96:321
S002 1 7308 C1 CSR       .0254 -.0080 -.0090 -.0104  .0070 -.0252  -.3   .2  -.6 96:297
S004 1 7327 R GSFC       .0021  .0001 -.0038 -.0014 -.0022 -.0034  -.2  -.4  -.5  0:114

Velocities
M001 1 7328 L AUS        .0007  .0042 -.0265 -.0037 -.0228 -.0137  -.2 -1.1  -.6
M001 1 7328 L CGS        .0024  .0048  .0000 -.0052 -.0008  .0010  -.1   .0   .0
M001 1 7328 L CRL        .0091 -.0078 -.0096  .0000 -.0008 -.0153   .0  -.1 -1.4
M001 1 7328 L4 CSR      -.0005 -.0190 -.0107  .0147 -.0017 -.0159   .9  -.1  -.9
M001 1 7328 L DEOS      -.0061 -.0015  .0014  .0051 -.0010  .0038   .1   .0   .1
M001 1 7328 L JCET       .0127 -.0064 -.0140 -.0034 -.0033 -.0194  -.3  -.3 -1.5
M001 1 7328 C GRIM       .0799  .1004 -.0105 -.1282 -.0111 -.0025  -.1   .0   .0
M001 1 7328 C1 CSR      -.0027 -.0006 -.0045  .0022 -.0046 -.0013   .0   .0   .0
S002 1 7308 L AUS        .0110 -.0018 -.0146 -.0058 -.0062 -.0163  -.1  -.1  -.3
S002 1 7308 L CGS        .0039 -.0044 -.0055  .0008 -.0010 -.0079   .1  -.1  -.8
S002 1 7308 L CRL       -.0232  .0145  .0171  .0040 -.0019  .0319   .2  -.1  1.2
S002 1 7308 L4 CSR       .0014 -.0025 -.0037  .0010 -.0014 -.0043   .0   .0  -.1
S002 1 7308 L DEOS       .0553  .0240  .0351 -.0542  .0439 -.0010   .0   .0   .0
S002 1 7308 L DGFI       .0159 -.0117  .0062 -.0014  .0165 -.0124   .0   .4  -.3
S002 1 7308 L JCET      -.0135  .0118 -.0027 -.0002 -.0127  .0130   .0  -.3   .3
S002 1 7308 C GRIM      -.0120  .0010  .0120  .0070  .0041  .0149   .1   .1   .2
S002 1 7308 C1 CSR       .0055  .0097 -.0099 -.0109 -.0093 -.0041  -.2  -.1  -.1
S004 1 7327 R GSFC       .0063 -.0065 -.0049  .0008  .0013 -.0102   .0   .1  -.4

21718 MIYAZAKI

Positions
S001 1 7312 R GSFC      -.0059  .0032  .0070  .0023  .0026  .0090   .0   .1   .2 87:289
S001 1 7312 R SHA        .0096 -.0198 -.0188  .0060 -.0047 -.0280   .0   .0  -.1 87:288
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Velocities
S001 1 7312 R GSFC      -.0012  .0021  .0011 -.0005 -.0003  .0026   .0   .0   .1
S001 1 7312 R SHA        .0098 -.0091 -.0091 -.0013 -.0006 -.0161   .0   .0  -.1

21725 NOBEYAMA

Positions
S001 1 7244 R GSFC      -.0018  .0024  .0087 -.0006  .0053  .0075   .0   .2   .3 90:245
S001 1 7244 R SHA        .0020 -.0038  .0009  .0015  .0031 -.0027   .1   .1  -.1 90:241

Velocities
S001 1 7244 R GSFC       .0063 -.0072 -.0063  .0012  .0005 -.0114   .0   .0  -.2
S001 1 7244 R SHA        .0005  .0038  .0021 -.0031  .0004  .0030  -.1   .0   .1

21726 SIMOSATO

Positions
S001 1 7838 L AUS        .0181  .0095  .0202 -.0194  .0204  .0058 -1.1  1.2   .3 98: 60
S001 1 7838 L CRL        .0000 -.0105  .0058  .0075  .0088 -.0029   .6   .7  -.2 92:238
S001 1 7838 L4 CSR      -.0057  .0088  .0044 -.0024 -.0020  .0109  -.2  -.1   .7 89:187
S001 1 7838 C GRIM       .0000  .0023 -.0062 -.0016 -.0061 -.0021  -.3 -1.0  -.3 92:130
S001 1 7838 C1 CSR       .0053 -.0055 -.0089  .0003 -.0032 -.0113   .0  -.3 -1.1 95:292

Velocities
S001 1 7838 L AUS        .0114  .0071  .0020 -.0130  .0035 -.0016  -.9   .2  -.1
S001 1 7838 L CRL       -.0005 -.0032 -.0024  .0027 -.0010 -.0028   .7  -.2  -.7
S001 1 7838 L4 CSR      -.0013 -.0028  .0020  .0029  .0023  .0003  1.1   .9   .1
S001 1 7838 C GRIM       .0028  .0044  .0014 -.0051  .0006  .0016 -1.7   .3   .6
S001 1 7838 C1 CSR       .0019 -.0047 -.0027  .0021  .0003 -.0053   .5   .1 -1.2

21729 USUDA

Positions
S001 1 7246 R GSFC       .0009 -.0020  .0073  .0009  .0071  .0026   .0   .1   .0 90:211
S001 1 7246 R SHA       -.0006 -.0033  .0011  .0028  .0019 -.0008   .0   .0   .0 90:211
S007 1 USUD P CODE       .0002 -.0006  .0065  .0003  .0056  .0034   .1  1.4   .9 97:297
S007 1 USUD P GFZ        .0023 -.0003 -.0011 -.0013  .0002 -.0022  -.5   .1  -.8 97:349
S007 1 USUD P IGS       -.0015  .0018  .0012 -.0003 -.0004  .0025  -.3  -.3  1.9 98: 43
S007 1 USUD P1 JPL       .0030 -.0016 -.0026 -.0008 -.0001 -.0042  -.4  -.1 -2.2 96:364
S007 1 USUD P NCL       -.0004 -.0003  .0004  .0005  .0002  .0003   .3   .1   .2 98: 66
S007 1 USUD P NOAA       .0000 -.0028 -.0052  .0021 -.0031 -.0045   .6 -1.0 -1.4 97:311

Velocities
S001 1 7246 R GSFC      -.1109 -.0746 -.0635  .1294 -.0710 -.0105   .1   .0   .0
S001 1 7246 R SHA        .0128  .0117  .0055 -.0173  .0055  .0018  -.1   .0   .0
S007 1 USUD P CODE       .0012  .0001 -.0031 -.0009 -.0020 -.0025  -.4  -.7 -1.0
S007 1 USUD P GFZ        .0004  .0006 -.0001 -.0007 -.0002  .0000  -.5  -.1   .0
S007 1 USUD P IGS       -.0002 -.0010 -.0008  .0009 -.0003 -.0009   .8  -.3  -.8
S007 1 USUD P1 JPL      -.0008 -.0012  .0012  .0014  .0011  .0005  1.4  1.1   .5
S007 1 USUD P NCL        .0000 -.0012 -.0007  .0009 -.0001 -.0011   .6  -.1  -.6
S007 1 USUD P NOAA      -.0006 -.0009 -.0012  .0011 -.0009 -.0008   .5  -.4  -.4

21730 TSUKUBA

Positions
S001 1 7311 TIE21730     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7311 R GSFC      -.0065 -.0119  .0023  .0133  .0034 -.0008   .8   .2  -.1 89:147
S001 1 7311 R SHA       -.0113 -.0089  .0023  .0141  .0001  .0037   .8   .0   .2 89:250
S005 1 TSKB TIE21730    -.0065 -.0059 -.0016  .0087 -.0020  .0000  2.8  -.6   .0 97:  1
S005 1 TSKB P CODE      -.0007  .0000  .0074  .0004  .0057  .0048   .1  1.4  1.3 97:273
S005 1 TSKB P GFZ        .0039 -.0011 -.0027 -.0017  .0000 -.0045  -.6   .0 -1.5 98: 27
S005 1 TSKB P IGS       -.0017  .0019  .0010 -.0004 -.0007  .0026  -.3  -.5  2.0 98:121
S005 1 TSKB P1 JPL       .0021 -.0020 -.0021  .0002  .0000 -.0036   .1   .0 -1.8 97:149
S005 1 TSKB P NCL       -.0005 -.0007  .0004  .0009  .0003  .0002   .5   .1   .1 98: 90
S005 1 TSKB P NOAA       .0000 -.0025 -.0051  .0019 -.0032 -.0043   .6 -1.0 -1.3 97:325
S007 1 7345 R GIUB       .0033 -.0001  .0003 -.0021  .0018 -.0019  -.3   .2  -.2 98:309
S007 1 7345 R SHA        .0019 -.0015 -.0001 -.0001  .0013 -.0020   .0   .2  -.4 98:303

Velocities
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S001 1 7311 R GSFC       .0001  .0028  .0002 -.0022 -.0008  .0015  -.3  -.1   .2
S001 1 7311 R SHA        .0010  .0013  .0020 -.0016  .0016  .0013  -.2   .2   .2
S005 1 TSKB P CODE      -.0009  .0015 -.0009 -.0006 -.0017  .0008  -.3  -.6   .3
S005 1 TSKB P GFZ       -.0001  .0001 -.0001 -.0001 -.0001  .0001   .0  -.1   .1
S005 1 TSKB P IGS       -.0001 -.0009 -.0015  .0008 -.0009 -.0013   .8  -.9 -1.3
S005 1 TSKB P1 JPL      -.0003 -.0009  .0008  .0009  .0009  .0002   .6   .7   .1
S005 1 TSKB P NCL        .0004 -.0018 -.0013  .0011 -.0001 -.0019   .7  -.1 -1.1
S005 1 TSKB P NOAA      -.0009 -.0013 -.0008  .0015 -.0005 -.0006   .7  -.2  -.2
S007 1 7345 R GIUB       .0299 -.0394 -.0319  .0110  .0027 -.0577   .2   .0  -.9
S007 1 7345 R SHA       -.0351  .0055  .0296  .0183  .0060  .0421   .2   .1   .5

21731 SHINTOTSUKAWA

Positions
S001 1 7315 R GSFC      -.0018  .0005  .0043  .0007  .0019  .0042   .0   .1   .2 90:209
S001 1 7315 R SHA       -.0085 -.0050  .0037  .0092  .0002  .0051   .0   .0   .0 90:209
S003 1 7346 R GSFC       .0036 -.0008  .0002 -.0016  .0024 -.0023  -.1   .1  -.1 99:203

Velocities
S001 1 7315 R GSFC       .2960 -.6463  .0672  .3253  .4839 -.4120   .2   .3  -.2
S001 1 7315 R SHA        .0282  .0072  .0511 -.0231  .0493  .0224  -.1   .2   .1
S003 1 7346 R GSFC       .0072  .0008 -.0085 -.0051 -.0026 -.0096   .0   .0  -.1

21732 CHICHIJIMA

Positions
S001 1 7316 TIE21732     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7316 R GSFC      -.0034 -.0003  .0032  .0023  .0018  .0037   .1   .0   .1 89: 38
S001 1 7316 R SHA       -.0015 -.0122 -.0017  .0106  .0014 -.0064   .0   .0   .0 88:335
S002 1 7844 TIE21732     .5316  .5046  .1028 -.7245  .1421 -.0520 -1.4   .3  -.1 97:  1
S002 1 7844 C GRIM      -.0268 -.0217 -.0041  .0336 -.0072  .0052   .2   .0   .0 88: 48
S004 1 7347 R GSFC       .0036 -.0009  .0000 -.0015  .0015 -.0030  -.1   .1  -.2 99:158

Velocities
S001 1 7316 R GSFC       .0326 -.0091 -.0138 -.0128  .0020 -.0342  -.3   .0  -.7
S001 1 7316 R SHA        .0251  .0078 -.0051 -.0216  .0023 -.0157  -.1   .0  -.1
S002 1 7844 C GRIM       .1532  .2316  .0466 -.2769  .0320  .0397  -.2   .0   .0
S004 1 7347 R GSFC      -.0405  .0154  .0117  .0126 -.0085  .0422   .3  -.2   .9

21733 MINAMI TORI SIMA

Positions
S001 1 7300 C GRIM      -.0075 -.0141 -.0106  .0159 -.0099 -.0038   .0   .0   .0 89: 50
S002 1 7310 R GIUB       .0009  .0053  .0058 -.0052  .0046  .0038  -.3   .3   .2 92:334
S002 1 7310 R GSFC       .0049 -.0030 -.0007  .0006  .0017 -.0055   .1   .2  -.4 92:161
S002 1 7310 R SHA       -.0018  .0001  .0053  .0007  .0041  .0037   .1   .3   .2 92:327

Velocities
S001 1 7300 C GRIM       .0629  .1184 -.0140 -.1340 -.0109 -.0100  -.1   .0   .0
S002 1 7310 R GIUB       .0028  .0005 -.0010 -.0017  .0000 -.0025  -.1   .0  -.1
S002 1 7310 R GSFC       .0008 -.0008 -.0018  .0004 -.0012 -.0017   .0  -.2  -.2
S002 1 7310 R SHA        .0002  .0014 -.0014 -.0013 -.0014 -.0002  -.1  -.1   .0

21737 SAGARA

Positions
S001 1 7325 R GSFC       .0000 -.0002  .0033  .0002  .0028  .0018   .0   .1   .0 93: 13
S001 1 7325 R SHA        .0022  .0002  .0061 -.0016  .0058  .0022   .0   .1   .0 93: 11

Velocities
S001 1 7325 R GSFC      -.1077  .0545  .0495  .0312 -.0256  .1241   .1  -.1   .4
S001 1 7325 R SHA        .0367 -.0069  .0019 -.0193  .0197 -.0252  -.1   .1  -.1

21738 DAITO

Positions
S001 1 7326 R SHA       -.0003 -.0030  .0031  .0022  .0037 -.0005   .0   .0   .0 91:144

Velocities
S001 1 7326 R SHA        .0004  .0009 -.0003 -.0009 -.0004  .0003   .0   .0   .0
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21739 MIURA

Positions
M001 1 7337 L AUS       -.0195  .0022 -.0050  .0110 -.0135  .0105   .2  -.3   .3 97:358
M001 1 7337 L CGS        .0273 -.0464 -.0375  .0177 -.0013 -.0632   .3   .0 -1.0 99:126
M001 1 7337 L CRL        .0062 -.0263 -.0071  .0161  .0067 -.0219   .6   .2  -.7 99: 50
M001 1 7337 L4 CSR       .0032 -.0422  .0027  .0301  .0193 -.0228   .8   .5  -.6 99:278
M001 1 7337 L DEOS      -.0184 -.0794  .0233  .0724  .0405 -.0171   .2   .1   .0 95:222
M001 1 7337 L JCET       .0036  .0041  .0004 -.0055  .0004  .0001  -.6   .0   .0 99:113
M001 1 7337 C GRIM       .0183  .0243  .0020 -.0304  .0006  .0027  -.5   .0   .0 99:  9
M001 1 7337 C1 CSR       .0152 -.0255 -.0054  .0096  .0118 -.0261   .1   .1  -.3 99:338
S001 1 7336 R GSFC       .0022  .0004 -.0032 -.0017 -.0018 -.0030  -.3  -.3  -.5  0:119

Velocities
M001 1 7337 L AUS        .0175 -.0106 -.0055 -.0033  .0071 -.0196  -.1   .3  -.7
M001 1 7337 L CGS       -.0267  .0133 -.0042  .0072 -.0202  .0213   .1  -.2   .2
M001 1 7337 L CRL        .0099 -.0212 -.0115  .0098  .0029 -.0240   .4   .1 -1.0
M001 1 7337 L4 CSR       .0094 -.0283 -.0009  .0155  .0140 -.0213   .6   .5  -.8
M001 1 7337 L DEOS      -.0020  .0081 -.0021 -.0049 -.0056  .0043  -.1  -.1   .0
M001 1 7337 L JCET       .0211 -.0232 -.0171  .0040  .0039 -.0353   .2   .2 -1.8
M001 1 7337 C GRIM       .0411 -.0381 -.0004  .0024  .0320 -.0460   .0   .1  -.1
M001 1 7337 C1 CSR       .0095 -.0201 -.0022  .0092  .0098 -.0178   .0   .0  -.1
S001 1 7336 R GSFC       .0219 -.0043 -.0355 -.0109 -.0178 -.0364  -.5  -.8 -1.5

21740 TATEYAMA

Positions
M001 1 7339 L AUS       -.0067  .0016  .0022  .0031 -.0017  .0063   .1  -.1   .2 98:270
M001 1 7339 L CGS       -.0022  .0101  .0170 -.0063  .0092  .0165  -.2   .3   .4 99: 68
M001 1 7339 L CRL       -.0014 -.0119  .0089  .0100  .0111 -.0003   .4   .3   .0 98:354
M001 1 7339 L4 CSR      -.0105 -.0323  .0153  .0314  .0198 -.0017  1.4   .9  -.1 99:288
M001 1 7339 L DEOS       .0030 -.0201  .0039  .0135  .0120 -.0102   .0   .0   .0 94:219
M001 1 7339 L JCET       .0065  .0044  .0011 -.0076  .0022 -.0011 -1.2   .3  -.2 99:151
M001 1 7339 C GRIM       .0267  .0283  .0065 -.0388  .0065  .0019 -1.1   .2   .1 99: 12
M001 1 7339 C1 CSR       .0029 -.0144 -.0004  .0091  .0063 -.0097   .2   .1  -.2 99:306
S001 1 7338 R GSFC       .0012  .0008 -.0027 -.0014 -.0020 -.0019  -.2  -.4  -.3  0:116

Velocities
M001 1 7339 L AUS        .0116 -.0135 -.0098  .0029  .0020 -.0200   .1   .1  -.9
M001 1 7339 L CGS       -.0026  .0035  .0100 -.0010  .0058  .0092   .0   .1   .1
M001 1 7339 L CRL       -.0094 -.0156 -.0060  .0180 -.0033 -.0057  1.3  -.2  -.4
M001 1 7339 L4 CSR      -.0170 -.0254 -.0042  .0304 -.0014 -.0052  1.9  -.1  -.3
M001 1 7339 L DEOS      -.0060 -.0053  .0021  .0079  .0010  .0022   .1   .0   .0
M001 1 7339 L JCET       .0079 -.0268 -.0091  .0154  .0059 -.0244  1.2   .5 -1.9
M001 1 7339 C GRIM       .0440 -.0243  .0188 -.0098  .0437 -.0296  -.1   .2  -.2
M001 1 7339 C1 CSR      -.0142 -.0201  .0000  .0245  .0012 -.0017   .2   .0   .0
S001 1 7338 R GSFC       .0013  .0587 -.0275 -.0457 -.0436  .0145 -1.9 -1.9   .6

21742 AIRA

Positions
S002 1 7348 R GSFC       .0034 -.0012 -.0002 -.0018  .0015 -.0027  -.1   .1  -.2 99:180

Velocities
S002 1 7348 R GSFC      -.0162  .0098 -.0002  .0059 -.0097  .0151   .1  -.2   .3

22003 QUEZON

Positions
M001 1 PIMO P CODE      -.0057  .0127  .0140 -.0017  .0101  .0169  -.1   .7   .6  0: 11
M001 1 PIMO P GFZ        .0048 -.0016 -.0023 -.0033 -.0012 -.0043  -.4  -.2  -.5 99:248
M001 1 PIMO P NOAA       .0002 -.0030 -.0056  .0013 -.0048 -.0040   .1  -.8  -.4 99:229

Velocities
M001 1 PIMO P CODE       .0660 -.0641 -.0176 -.0235  .0055 -.0905  -.1   .0  -.2
M001 1 PIMO P GFZ       -.0001  .0002 -.0006  .0000 -.0006  .0000   .0  -.6   .0
M001 1 PIMO P NOAA       .0073  .0063  .0300 -.0095  .0287  .0092  -.2  1.4   .2

22006 MANILLE
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Positions
S001 1 MANA D GRGS       .0276  .0031  .0435 -.0252  .0450 -.0003  -.8  3.0   .0 95:339
S001 1 MANA D9 IGN      -.0022 -.0008 -.0187  .0023 -.0182 -.0043   .1 -1.1  -.2 96:129
S001 1 MANA C GRIM       .0190 -.0120 -.0220 -.0101 -.0163 -.0249  -.3 -1.0  -.9 96:180
S001 1 MANA C1 CSR      -.0054  .0035 -.0028  .0029 -.0041  .0049   .3  -.6   .5 96:138

Velocities
S001 1 MANA D GRGS       .0022 -.0043  .0056  .0003  .0066 -.0032   .0   .7  -.2
S001 1 MANA D9 IGN      -.0022 -.0044  .0025  .0042  .0030 -.0019   .3   .4  -.2
S001 1 MANA C GRIM       .0026  .0035  .0035 -.0040  .0029  .0025  -.2   .3   .1
S001 1 MANA C1 CSR      -.0002 -.0001  .0020  .0002  .0019  .0005   .0   .6   .1

22306 BANGALORE

Positions
M001 1 IISC P CODE       .0014 -.0080  .0093 -.0031  .0107 -.0052   .0   .2   .0 95:185
M002 1 IISC P CODE       .0040  .0003  .0082 -.0038  .0077  .0030  -.8  1.6   .4 97:263
M002 1 IISC P GFZ        .0029 -.0026 -.0015 -.0034 -.0010 -.0022 -1.0  -.3  -.4 98:212
M002 1 IISC P1 JPL      -.0013  .0001 -.0002  .0013 -.0002 -.0002   .3  -.1   .0 97:299
M002 1 IISC P NCL       -.0005 -.0015  .0000  .0001  .0003 -.0015   .1   .1  -.4 97:315
M002 1 IISC P NOAA       .0031  .0047 -.0002 -.0020 -.0014  .0051  -.4  -.5   .9 97:246

Velocities
M001 1 IISC P CODE       .0026  .0087  .0005 -.0007 -.0016  .0089  -.1  -.4  1.1
M002 1 IISC P CODE       .0026  .0087  .0005 -.0007 -.0016  .0089  -.1  -.4  1.1
M002 1 IISC P GFZ       -.0009  .0002 -.0003  .0010 -.0002 -.0001   .4  -.2  -.1
M002 1 IISC P1 JPL       .0003  .0015  .0006  .0001  .0003  .0016   .0   .2   .4
M002 1 IISC P NCL        .0019  .0069  .0013 -.0004 -.0004  .0072  -.2  -.2  2.1
M002 1 IISC P NOAA       .0040  .0026  .0002 -.0034 -.0006  .0034  -.9  -.2   .6

22601 SINGAPOUR

Positions
M001 1 NTUS P CODE      -.0014  .0191  .0064 -.0032  .0059  .0191  -.5  1.0  2.1 99: 55
M001 1 NTUS P GFZ        .0047 -.0100 -.0012 -.0022 -.0010 -.0109  -.6  -.3 -1.6 99:144
M001 1 NTUS P IGS       -.0003 -.0003  .0002  .0003  .0002 -.0002   .2   .2   .0 99:116
M001 1 NTUS P1 JPL       .0084 -.0016 -.0006 -.0078 -.0005 -.0036 -1.3  -.3  -.4 98:210
M001 1 NTUS P NOAA      -.0013  .0052 -.0033  .0000 -.0035  .0053   .0 -1.1   .5 98:351

Velocities
M001 1 NTUS P CODE      -.0008  .0068 -.0002 -.0008 -.0003  .0068  -.2  -.1   .7
M001 1 NTUS P GFZ        .0029  .0091  .0013 -.0049  .0011  .0082 -1.3   .6  1.0
M001 1 NTUS P IGS        .0016 -.0006  .0004 -.0014  .0004 -.0010  -.6   .4  -.2
M001 1 NTUS P1 JPL       .0001 -.0007 -.0014  .0001 -.0014 -.0007   .0  -.5   .0
M001 1 NTUS P NOAA      -.0009  .0011 -.0018  .0006 -.0018  .0012   .1  -.7   .1

23101 CIBINONG

Positions
M002 1 BAKO TIE23101     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 BAKO P CODE      -.0012  .0248  .0061 -.0060  .0088  .0233  -.6  1.1  1.4 99:344
M002 1 BAKO P NOAA      -.0073  .0029 -.0047  .0062 -.0041  .0054  1.1 -1.2   .8 99: 17
S001 1 CIBB TIE23101    -.0004  .0002 -.0023  .0003 -.0023  .0005   .1 -1.0   .2 97:  1
S001 1 CIBB D GRGS      -.0053 -.0022  .0449  .0058  .0446 -.0057   .2  3.2  -.2 96: 99
S001 1 CIBB D9 IGN      -.0188  .0156  .0333  .0135  .0353  .0165   .5  2.3   .7 96:317
S001 1 CIBB C GRIM       .0336 -.0255 -.0002 -.0248 -.0040 -.0339  -.7  -.3 -1.5 97:  3
S001 1 CIBB C1 CSR       .0153  .0027  .0054 -.0155  .0051 -.0024 -1.3   .8  -.3 97:  0

Velocities
M002 1 BAKO P CODE       .0110 -.0057  .0051 -.0089  .0040 -.0091  -.2   .1  -.1
M002 1 BAKO P NOAA       .0042 -.0046  .0020 -.0027  .0014 -.0058  -.4   .4  -.5
S001 1 CIBB D GRGS       .0027 -.0190 -.0007  .0029 -.0028 -.0188   .1  -.3 -1.2
S001 1 CIBB D9 IGN      -.0066 -.0061  .0030  .0081  .0026 -.0043   .6   .3  -.4
S001 1 CIBB C GRIM       .0049 -.0123 -.0038 -.0011 -.0053 -.0127  -.1  -.7 -1.0
S001 1 CIBB C1 CSR      -.0067 -.0026  .0022  .0072  .0021 -.0008  1.2   .7  -.2

23501 COLOMBO

Positions
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S001 1 COLA D9 IGN      -.0429  .0276  .0259  .0471  .0234  .0226  1.8  1.6  1.0 96:165
S001 1 COLA C GRIM      -.0115 -.0473  .0017  .0030  .0076 -.0481   .1   .6 -2.4 96:248
S001 1 COLA C1 CSR       .0149  .0064 -.0063 -.0136 -.0074  .0081 -1.1 -1.2   .9 96:142

Velocities
S001 1 COLA D9 IGN       .0011 -.0010  .0013 -.0013  .0014 -.0007  -.1   .2  -.1
S001 1 COLA C GRIM       .0048 -.0030 -.0108 -.0052 -.0104 -.0034  -.2  -.9  -.2
S001 1 COLA C1 CSR      -.0013  .0014  .0008  .0015  .0007  .0012   .2   .2   .3

23601 TAIPEI

Positions
M001 1 TAIW P CODE       .0048 -.0078  .0048  .0000  .0082 -.0063   .0  1.5 -1.2 96:315
M001 1 TAIW P GFZ        .0028  .0030  .0006 -.0040  .0001  .0012  -.9   .0   .3 96: 59
M001 1 TAIW P IGS       -.0013  .0038  .0018 -.0009  .0000  .0043  -.4   .0  1.6 96:348
M001 1 TAIW P1 JPL      -.0019  .0018  .0001  .0006 -.0010  .0024   .2  -.3   .6 96:267
M001 1 TAIW P NOAA       .0026 -.0026 -.0036 -.0008 -.0017 -.0048  -.2  -.4  -.9 96:306

Velocities
M001 1 TAIW P CODE       .0004  .0011 -.0027 -.0009 -.0027 -.0005  -.2  -.6  -.1
M001 1 TAIW P GFZ       -.0041  .0031  .0016  .0019 -.0005  .0050   .6  -.2  1.6
M001 1 TAIW P IGS        .0022 -.0049 -.0017  .0006  .0007 -.0055   .2   .2 -1.2
M001 1 TAIW P1 JPL       .0061 -.0071 -.0015 -.0015  .0025 -.0090  -.3   .6 -1.6
M001 1 TAIW P NOAA       .0002 -.0015 -.0021  .0006 -.0013 -.0022   .2  -.4  -.5

23902 TAEJON

Positions
M001 1 TAEJ P CODE      -.0029  .0040  .0116 -.0001  .0064  .0109   .0  1.5  2.8 97:284
M001 1 TAEJ P IGS        .0007 -.0005 -.0012 -.0002 -.0005 -.0014  -.1  -.3  -.8 97:250
M001 1 TAEJ P NCL        .0000 -.0060 -.0074  .0036 -.0031 -.0083   .6  -.5 -1.2 96:169
M002 1 DAEJ P CODE      -.0026  .0071  .0099 -.0022  .0037  .0117  -.3   .5  1.6 99: 35
M002 1 DAEJ P IGS       -.0023 -.0009 -.0025  .0023 -.0024 -.0009   .6  -.6  -.2  0: 59
M002 1 DAEJ P NOAA       .0011 -.0044 -.0063  .0018 -.0026 -.0071   .3  -.5 -1.3 99:226

Velocities
M001 1 TAEJ P CODE       .0044 -.0063 -.0091  .0003 -.0028 -.0116   .1  -.8 -3.5
M001 1 TAEJ P IGS       -.0027  .0036  .0041 -.0001  .0006  .0060   .0   .3  2.9
M001 1 TAEJ P NCL        .0005 -.0029 -.0044  .0014 -.0020 -.0047   .4  -.5 -1.2
M002 1 DAEJ P CODE       .0044 -.0063 -.0091  .0003 -.0028 -.0116   .1  -.8 -3.5
M002 1 DAEJ P IGS        .0018 -.0102 -.0087  .0048 -.0015 -.0126   .6  -.2 -1.6
M002 1 DAEJ P NOAA       .0040 -.0074 -.0104  .0013 -.0035 -.0129   .1  -.2  -.7

23903 SUWON-SHI

Positions
M001 1 SUWN P CODE       .0005 -.0003  .0041 -.0003  .0036  .0021  -.1   .6   .4 98:358
M001 1 SUWN P IGS       -.0029  .0018  .0001  .0013 -.0018  .0026   .4  -.5   .7 99:170
M001 1 SUWN P NOAA       .0015 -.0047 -.0069  .0017 -.0027 -.0079   .4  -.7 -2.0 98:289
S001 1 7353 R GSFC       .0001 -.0005  .0035  .0002  .0031  .0018   .0   .1   .1 95:302

Velocities
M001 1 SUWN P CODE       .0010  .0008 -.0018 -.0012 -.0015 -.0011  -.2  -.2  -.2
M001 1 SUWN P IGS       -.0003 -.0013 -.0017  .0010 -.0008 -.0017   .2  -.2  -.4
M001 1 SUWN P NOAA      -.0007 -.0004 -.0002  .0008 -.0002 -.0001   .2   .0   .0
S001 1 7353 R GSFC      -.8669 -.3216  .3720  .8856  .1351  .4367   .5   .1   .3

24901 BAHREIN (JUFFAR)

Positions
M002 1 BAHR P CODE       .0062  .0015  .0095 -.0038  .0063  .0087 -1.2  1.5  2.4 98: 79
M002 1 BAHR P GFZ        .0035  .0020  .0001 -.0014 -.0016  .0034  -.5  -.5  1.1 98:349
M002 1 BAHR P IGS        .0000 -.0008 -.0007 -.0005 -.0004 -.0009  -.3  -.3  -.7 98:257
M002 1 BAHR P1 JPL      -.0026 -.0026 -.0015  .0003  .0003 -.0040   .1   .2 -1.6 98:101
M002 1 BAHR P NCL       -.0001 -.0003  .0005 -.0001  .0006 -.0001   .0   .3   .0 98:182
M002 1 BAHR P NOAA      -.0014 -.0031 -.0027 -.0009 -.0010 -.0041  -.3  -.4 -1.4 98: 68

Velocities
M002 1 BAHR P CODE      -.0005 -.0006 -.0026  .0000 -.0020 -.0018   .0  -.7  -.6
M002 1 BAHR P GFZ        .0004 -.0016 -.0004 -.0013  .0000 -.0010  -.5   .0  -.4
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M002 1 BAHR P IGS       -.0002 -.0007 -.0007 -.0003 -.0003 -.0009  -.3  -.3  -.7
M002 1 BAHR P1 JPL       .0004  .0024  .0017  .0012  .0006  .0027   .4   .3  1.0
M002 1 BAHR P NCL       -.0018 -.0004 -.0003  .0011  .0004 -.0015   .5   .2  -.6
M002 1 BAHR P NOAA       .0013  .0020  .0007  .0003 -.0004  .0024   .1  -.2   .9

30101 HELWAN

Positions
S001 1 7831 L AUS       -.0180  .0041  .0063  .0129  .0121 -.0084   .3   .2  -.2 97: 35
S001 1 7831 L CGS       -.0054  .0067 -.0067  .0085 -.0053 -.0043   .6  -.3  -.3 92:328
S001 1 7831 L CRL       -.0160  .0033 -.0237  .0111 -.0146 -.0221   .6  -.7 -1.0 92:224
S001 1 7831 L4 CSR      -.0017  .0130 -.0092  .0120 -.0106  .0000   .2  -.2   .0 92:105
S001 1 7831 L DEOS      -.0013  .0116 -.0026  .0106 -.0047  .0030   .8  -.3   .2 93: 52
S001 1 7831 L DGFI       .0005  .0114  .0062  .0095  .0022  .0086   .6   .2   .6 93: 49
S001 1 7831 L JCET       .0051 -.0052 -.0019 -.0071 -.0025  .0005  -.6  -.2   .0 93:343
S001 1 7831 C GRIM      -.0014 -.0197  .0049 -.0161  .0099 -.0075 -1.0   .6  -.4 93:176
S001 1 7831 C1 CSR      -.0050 -.0090 -.0043 -.0051  .0007 -.0099  -.4   .1  -.7 96: 52

Velocities
S001 1 7831 L AUS        .0001  .0044 -.0018  .0037 -.0027  .0012   .1  -.1   .0
S001 1 7831 L CGS        .0015  .0114 -.0071  .0090 -.0098  .0027  1.5 -1.6   .4
S001 1 7831 L CRL        .0000 -.0027  .0098 -.0023  .0092  .0037  -.3   .9   .3
S001 1 7831 L4 CSR      -.0045 -.0056  .0016 -.0024  .0047 -.0051  -.4   .8  -.8
S001 1 7831 L DEOS      -.0012 -.0043  .0044 -.0031  .0054 -.0007  -.5   .8  -.1
S001 1 7831 L DGFI      -.0045 -.0044  .0054 -.0014  .0078 -.0027  -.2  1.2  -.4
S001 1 7831 L JCET      -.0041  .0019 -.0048  .0037 -.0029 -.0046   .3  -.2  -.3
S001 1 7831 C GRIM       .0011 -.0013 -.0074 -.0017 -.0066 -.0035  -.3 -1.1  -.5
S001 1 7831 C1 CSR       .0002 -.0014  .0029 -.0013  .0028  .0010  -.3   .6   .2

30302 HARTEBEESTHOEK

Positions
M002 1 HART TIE30302     .0015 -.0173  .0031 -.0161 -.0001 -.0074 -2.2   .0 -1.0 97:  1
M002 1 HART P CODE       .0219  .0082  .0000 -.0029  .0101  .0208  -.4  1.4  2.5 97: 96
M002 1 HART P GFZ       -.0094 -.0004 -.0041  .0040 -.0074 -.0059   .6 -1.4  -.8 96:186
M002 1 HART P NCL        .0058  .0007  .0003 -.0020  .0026  .0048  -.5   .6  1.0 96:364
M003 1 7501 L AUS       -.0056  .0681  .0233  .0629  .0326  .0139  1.3   .7   .3 95:326
M003 1 7501 L CGS        .0216 -.0269  .0051 -.0338  .0075  .0038 -1.3   .3   .1 97:  1
M003 1 7501 L4 CSR       .0031  .0270 -.0247  .0224 -.0156  .0245   .4  -.3   .3 93:191
M003 1 7501 C1 CSR      -.0121  .0131  .0007  .0172 -.0014 -.0045   .9  -.1  -.2 93:202
M004 1 HRAO TIE30302     .0000 -.0175  .0158 -.0155  .0106 -.0142 -1.9  1.3 -1.7 97:  1
M004 1 HRAO P CODE       .0040 -.0003  .0086 -.0022  .0092 -.0007  -.4  1.7  -.1 98:201
M004 1 HRAO P IGS       -.0006 -.0013  .0018 -.0009  .0011 -.0018  -.4   .6  -.7 99:112
M004 1 HRAO P1 JPL       .0033 -.0007 -.0042 -.0021 -.0026  .0042  -.7 -1.0  1.2 98:270
M004 1 HRAO P NOAA       .0048  .0047 -.0038  .0019 -.0006  .0074   .3  -.1  1.3 98:249
M007 1 HARK TIE30302     .0062 -.0119  .0113 -.0134  .0101 -.0049 -1.8  1.4  -.7 97:  1
M007 1 HARK P CODE      -.0040 -.0050  .0124 -.0026  .0086 -.0107  -.5  1.6 -1.8 98:171
M007 1 HARK P GFZ       -.0060 -.0037  .0041 -.0005  .0006 -.0081  -.1   .2 -1.9 98:288
M007 1 HARK P1 JPL      -.0065 -.0034  .0022  .0000 -.0013 -.0075   .0  -.4 -1.9 98:253
M007 1 HARK P NOAA      -.0035 -.0006  .0008  .0011 -.0008 -.0034   .1  -.1  -.3 99:141
S001 1 7232 TIE30302     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7232 R GIUB       .0021  .0007  .0000 -.0004  .0010  .0020  -.1   .3   .4 95:160
S001 1 7232 R GSFC      -.0021  .0006  .0005  .0015 -.0002 -.0017   .7  -.1  -.7 96: 69
S001 1 7232 R SHA        .0030  .0004  .0014 -.0010  .0025  .0019  -.4  1.1   .7 96:191
S005 1 HBLA TIE30302     .0055 -.0123  .0107 -.0134  .0092 -.0054 -1.7  1.2  -.7 97:  1
S005 1 HBLA D GRGS       .0052  .0253  .0022  .0199  .0092  .0138   .4   .3   .4 98:111
S005 1 HBLA D9 IGN       .0086  .0079  .0042  .0030  .0087  .0083   .1   .3   .3 98:344
S005 1 HBLA C GRIM      -.0536  .0013 -.0039  .0261 -.0239 -.0404   .3  -.4  -.5 93:  1
S005 1 HBLA C1 CSR       .0042  .0080 -.0042  .0051 -.0006  .0085   .4  -.1   .8 98:312
S202 1 HBKA TIE30302     .0060 -.0114  .0097 -.0129  .0088 -.0042 -1.7  1.2  -.6 97:  1
S202 1 HBKA D GRGS      -.0368  .0606  .0379  .0708  .0322 -.0205  2.8  2.1 -1.0 95:109
S202 1 HBKA D9 IGN      -.0044  .0002  .0018  .0022  .0000 -.0043   .1   .0  -.2 95: 62
S202 1 HBKA C GRIM      -.0095 -.0177  .0032 -.0112 -.0044 -.0164  -.4  -.3  -.8 95:244
S202 1 HBKA C1 CSR       .0060 -.0151 -.0027 -.0161 -.0031 -.0004 -1.6  -.5   .0 95: 84

Velocities
M002 1 HART P CODE       .0070  .0030 -.0019 -.0007  .0016  .0077  -.2   .4  1.7
M002 1 HART P GFZ        .0025 -.0021  .0036 -.0030  .0037 -.0005 -1.6  2.8  -.3
M002 1 HART P NCL        .0046 -.0011 -.0027 -.0032 -.0009  .0044  -.8  -.3  1.0
M003 1 7501 L AUS        .0011  .0251  .0167  .0217  .0206  .0041   .8   .8   .2
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M003 1 7501 L CGS        .0062  .0099  .0213  .0059  .0236 -.0002   .0   .0   .0
M003 1 7501 L4 CSR      -.0075 -.2898  .1941 -.2531  .1129 -.2119  -.5   .2  -.4
M003 1 7501 C1 CSR      -.1469 -.1088  .2128 -.0281  .1126 -.2554  -.1   .2  -.5
M004 1 HRAO P CODE       .0070  .0030 -.0018 -.0006  .0017  .0077  -.1   .4  1.7
M004 1 HRAO P IGS        .0001  .0001 -.0004  .0000 -.0003  .0003   .0  -.1   .1
M004 1 HRAO P1 JPL      -.0018 -.0014  .0002 -.0004 -.0008 -.0021  -.1  -.2  -.5
M004 1 HRAO P NOAA      -.0006  .0005  .0016  .0007  .0013 -.0009   .1   .3  -.1
M007 1 HARK P CODE       .0071  .0029 -.0019 -.0007  .0016  .0077  -.2   .4  1.7
M007 1 HARK P GFZ        .0024 -.0025  .0032 -.0033  .0033 -.0005 -1.7  2.3  -.3
M007 1 HARK P1 JPL      -.0009 -.0030 -.0015 -.0022 -.0023 -.0013  -.5  -.6  -.3
M007 1 HARK P NOAA       .0007  .0018 -.0009  .0013 -.0002  .0017   .2   .0   .2
S001 1 7232 R GIUB       .0013 -.0005  .0005 -.0010  .0008  .0006  -.7   .6   .4
S001 1 7232 R GSFC       .0008  .0016  .0002  .0010  .0008  .0012  1.7  1.5  1.7
S001 1 7232 R SHA        .0019  .0004  .0000 -.0006  .0008  .0017  -.5   .7  1.4
S005 1 HBLA D GRGS       .0042  .0019 -.0001 -.0003  .0019  .0041   .0   .2   .3
S005 1 HBLA D9 IGN       .0015 -.0063  .0077 -.0062  .0062 -.0048  -.1   .2  -.1
S005 1 HBLA C GRIM       .0616 -.1019  .0176 -.1188  .0189 -.0013  -.1   .0   .0
S005 1 HBLA C1 CSR      -.0110  .0037  .0117  .0084  .0070 -.0123   .5   .6  -.9
S202 1 HBKA D GRGS       .0042  .0019 -.0001 -.0003  .0019  .0041   .0   .2   .3
S202 1 HBKA D9 IGN       .0041  .0095 -.0001  .0065  .0034  .0073   .3   .2   .4
S202 1 HBKA C GRIM       .0093  .0018 -.0050 -.0028 -.0006  .0104  -.2  -.1   .8
S202 1 HBKA C1 CSR       .0067  .0071 -.0062  .0032 -.0016  .0111   .4  -.3  1.7

30313 MARION ISLAND (P

Positions
S001 1 MARA TIE30313    -.0011  .0129 -.0022  .0108  .0036  .0065   .2   .1   .1 97:  1
S001 1 MARA D GRGS       .0048  .0477 -.0175  .0347  .0122  .0354  1.6   .6  1.9 95:232
S001 1 MARA D9 IGN      -.0189  .0432  .0030  .0457  .0105  .0058  1.9   .5   .3 95:153
S001 1 MARA C GRIM      -.0176  .0147  .0167  .0224  .0079 -.0156  1.2   .5 -1.0 96: 78
S001 1 MARA C1 CSR       .0054 -.0175 -.0041 -.0171 -.0075 -.0014 -2.2 -1.1  -.2 95:215
S002 1 MARB TIE30313     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S002 1 MARB D9 IGN      -.0086  .0369  .0177  .0344  .0237 -.0021   .4   .3   .0  0: 41
S002 1 MARB C1 CSR       .0023  .0015 -.0053 -.0002 -.0017  .0057   .0   .0   .1  0: 24

Velocities
S001 1 MARA D GRGS      -.0014 -.0046  .0020 -.0027 -.0015 -.0041  -.2  -.1  -.4
S001 1 MARA D9 IGN       .0034 -.0030  .0003 -.0044  .0009  .0004  -.3   .1   .0
S001 1 MARA C GRIM       .0005 -.0040  .0013 -.0034 -.0006 -.0024  -.3  -.1  -.2
S001 1 MARA C1 CSR       .0002 -.0008 -.0020 -.0008 -.0017  .0012  -.2  -.4   .3
S002 1 MARB D9 IGN       .0500 -.0146  .0039 -.0422  .0250  .0180  -.1   .0   .0
S002 1 MARB C1 CSR      -.0254 -.1609 -.0094 -.1114 -.0931 -.0743  -.4  -.4  -.3

30314 SUTHERLAND

Positions
M001 1 7502 TIE30314     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7502 L CGS        .0059 -.0171  .0348 -.0180  .0291 -.0191  -.8  1.1  -.6 97:  1
M001 1 7502 L4 CSR      -.0336 -.0117  .0109  .0010 -.0099 -.0359   .0  -.1  -.4 93:259
M001 1 7502 C1 CSR      -.0320 -.0093  .0075  .0027 -.0114 -.0321   .2  -.5 -1.4 93:255
M002 1 SUTH TIE30314     .0002 -.0016  .0002 -.0016  .0000 -.0004  -.5   .0  -.1 97:  1
M002 1 SUTH P CODE      -.0016 -.0026  .0131 -.0018  .0097 -.0090  -.3  1.6 -1.5 98:344
M002 1 SUTH P GFZ        .0009 -.0025  .0027 -.0027  .0023 -.0015  -.8   .6  -.3 99: 85
M002 1 SUTH P IGS        .0061  .0003 -.0027 -.0019  .0008  .0063  -.8   .3  2.1 99:219
M002 1 SUTH P NOAA      -.0018  .0015  .0001  .0020 -.0006 -.0010   .3  -.1  -.2 99: 11

Velocities
M001 1 7502 L CGS        .0119  .0103  .0196  .0054  .0245  .0020   .0   .0   .0
M001 1 7502 L4 CSR       .2391  .0603 -.0205 -.0285  .1139  .2178  -.1   .3   .5
M001 1 7502 C1 CSR       .0101  .1174 -.0127  .1061  .0167  .0500   .3   .0   .1
M002 1 SUTH P CODE       .0075  .0031 -.0030  .0002  .0018  .0084   .0   .3  1.1
M002 1 SUTH P GFZ        .0034  .0013  .0012  .0000  .0029  .0024   .0   .8   .6
M002 1 SUTH P IGS       -.0106 -.0053  .0064 -.0011 -.0009 -.0134  -.5  -.3 -3.8
M002 1 SUTH P NOAA       .0043  .0017 -.0019  .0000  .0009  .0049   .0   .1   .6

30602 ASCENSION III

Positions
M001 1 ASC1 TIE30602     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 ASC1 P CODE       .0070 -.0040  .0088 -.0021  .0097  .0065  -.4  2.0   .9 98:221
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M001 1 ASC1 P GFZ       -.0011  .0001  .0004 -.0002  .0002 -.0011  -.1   .1  -.2 98:331
M001 1 ASC1 P IGS        .0004 -.0006  .0009 -.0005  .0010  .0004  -.3   .9   .1 98:341
M001 1 ASC1 P1 JPL       .0040 -.0016 -.0022 -.0005 -.0016  .0045  -.2 -1.1   .8 98: 60
M001 1 ASC1 P NCL        .0019 -.0020  .0007 -.0015  .0010  .0022  -.5   .5   .5 98: 45
M001 1 ASC1 P NOAA       .0005 -.0017  .0027 -.0015  .0028  .0005  -.2   .7   .0 97:344
M001 1 ASC1 P DGFI      -.0105  .0088  .0025  .0059  .0008 -.0126   .7   .2  -.7 98:132
S004 1 ASDB TIE30602     .0006 -.0003  .0001 -.0001  .0001  .0007   .0   .0   .2 97:  1
S004 1 ASDB D9 IGN      -.0022 -.0694  .0266 -.0678  .0285  .0113  -.7   .6   .1 99:275
S004 1 ASDB C GRIM      -.0898  .0338 -.0369  .0105 -.0497 -.0894   .1 -1.2 -1.2 99:122
S004 1 ASDB C1 CSR      -.0356  .0310  .0071  .0212  .0012 -.0428   .5   .1 -1.3 99:258

Velocities
M001 1 ASC1 P CODE       .0076 -.0003 -.0006  .0016  .0005  .0074   .4   .2  1.3
M001 1 ASC1 P GFZ        .0010 -.0013  .0011 -.0010  .0013  .0011  -.4  1.0   .3
M001 1 ASC1 P IGS        .0000  .0004  .0005  .0003  .0004 -.0002   .3   .6  -.1
M001 1 ASC1 P1 JPL      -.0001  .0000 -.0017  .0000 -.0017  .0001   .0 -1.2   .0
M001 1 ASC1 P NCL       -.0009 -.0009  .0002 -.0011  .0001 -.0007  -.4   .0  -.2
M001 1 ASC1 P NOAA       .0019  .0026 -.0012  .0030 -.0010  .0013   .5  -.3   .2
M001 1 ASC1 P DGFI       .0045  .0001 -.0007  .0013 -.0001  .0044   .1   .0   .3
S004 1 ASDB D9 IGN       .0245 -.0483  .0167 -.0407  .0215  .0330  -.1   .1   .1
S004 1 ASDB C GRIM      -.3657  .1442 -.0135  .0492 -.0671 -.3845   .0  -.1  -.4
S004 1 ASDB C1 CSR       .0099 -.0100  .0320 -.0072  .0334  .0076   .0   .4   .1

30604 TRISTAN DA CUNHA

Positions
S001 1 TRIA D GRGS      -.0108 -.0252 -.0144 -.0269 -.0146  .0046 -1.2 -1.0   .3 95:363
S001 1 TRIA D9 IGN       .0205 -.0576  .0579 -.0519  .0656 -.0091 -2.4  4.0  -.5 96:105
S001 1 TRIA C GRIM      -.0085  .0241  .0040  .0218 -.0049 -.0131   .9  -.4 -1.0 96:195
S001 1 TRIA C1 CSR       .0005  .0009 -.0059  .0010 -.0045  .0038   .1  -.9   .7 96:181

Velocities
S001 1 TRIA D GRGS      -.0006 -.0010  .0006 -.0011  .0002 -.0006  -.1   .0  -.1
S001 1 TRIA D9 IGN       .0046  .0001  .0001  .0011  .0027  .0035   .1   .3   .4
S001 1 TRIA C GRIM      -.0088 -.0034 -.0076 -.0052 -.0108 -.0017  -.5 -1.6  -.2
S001 1 TRIA C1 CSR       .0003  .0000  .0001  .0001  .0003  .0001   .0   .1   .0

30606 SAINTE-HELENE

Positions
S002 1 HELA D GRGS       .0199 -.0105 -.0006 -.0085  .0051  .0202  -.2   .3   .9 95: 26
S002 1 HELA C GRIM      -.0253  .0491  .0203  .0464  .0113 -.0344   .5   .3  -.5 93:  1
S002 1 HELA C1 CSR      -.0040 -.0013 -.0028 -.0017 -.0038 -.0029  -.1  -.5  -.3 94:314
S003 1 HELB D GRGS       .0016 -.0065 -.0277 -.0063 -.0260  .0097  -.1  -.7   .2 98:220
S003 1 HELB D9 IGN       .0467 -.0881  .0823 -.0830  .0943  .0305 -1.1  2.3   .6 99:171
S003 1 HELB C GRIM      -.0186  .0041 -.0077  .0022 -.0126 -.0161   .0  -.4  -.4 99: 68
S003 1 HELB C1 CSR      -.0022  .0117 -.0111  .0114 -.0115 -.0002   .3  -.7   .0 99:137

Velocities
S002 1 HELA D GRGS      -.0032 -.0061  .0046 -.0064  .0037 -.0037  -.2   .3  -.2
S002 1 HELA C GRIM      -.0067 -.1295  .0224 -.1295  .0232 -.0002  -.1   .0   .0
S002 1 HELA C1 CSR      -.0031  .0049 -.0026  .0045 -.0035 -.0027   .4  -.6  -.3
S003 1 HELB D GRGS      -.0032 -.0061  .0046 -.0064  .0037 -.0037  -.2   .3  -.2
S003 1 HELB D9 IGN       .0272 -.0539  .0139 -.0509  .0223  .0273  -.3   .2   .2
S003 1 HELB C GRIM       .0093 -.0186 -.0033 -.0176 -.0002  .0116  -.5   .0   .5
S003 1 HELB C1 CSR      -.0284  .0009 -.0032 -.0019 -.0108 -.0263   .0  -.3  -.6

30607 SIGNY ISLAND

Positions
M001 1 SIG1 P SCAR      -.0015  .0056  .0004  .0029 -.0042 -.0028   .6  -.8  -.4 96:236

Velocities
M001 1 SIG1 P SCAR      -.0012 -.0004  .0024 -.0011  .0007 -.0024  -.4   .2  -.5

30608 GOUGH ISLAND

Positions
M001 1 GOUG P CODE       .0061 -.0057  .0083 -.0046  .0108 -.0001  -.6  1.3   .0 99:149
M001 1 GOUG P GFZ        .0012 -.0055  .0001 -.0052  .0015  .0016 -1.5   .3   .3 99:138
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M001 1 GOUG P NOAA      -.0037 -.0005  .0029 -.0012 -.0001 -.0046  -.2   .0  -.8 99: 90
M001 1 GOUG P DGFI       .0062  .0142  .0114  .0151  .0110 -.0046  2.4   .8  -.3 99:363
M001 1 GOUG P2 IGN       .0003 -.0006 -.0008 -.0006 -.0003  .0008  -.1   .0   .1 98:291
M001 1 GOUG P SCAR      -.0052  .0113  .0015  .0103 -.0035 -.0064  1.7  -.3  -.6 98:209

Velocities
M001 1 GOUG P CODE      -.0093  .0058  .0096  .0042  .0008 -.0139   .3   .0  -.7
M001 1 GOUG P GFZ        .0010 -.0007  .0014 -.0006  .0018 -.0001  -.1   .3   .0
M001 1 GOUG P NOAA      -.0001  .0012  .0015  .0012  .0009 -.0013   .1   .1  -.1
M001 1 GOUG P DGFI      -.0002 -.0028 -.0041 -.0028 -.0030  .0029  -.2  -.1   .1
M001 1 GOUG P2 IGN       .0006 -.0002 -.0023 -.0001 -.0014  .0020   .0  -.2   .2
M001 1 GOUG P SCAR      -.0057  .0102 -.0068  .0090 -.0099 -.0012  1.2  -.5  -.1

30802 DIEGO GARCIA

Positions
M001 1 DGAR P CODE       .0061  .0051  .0057 -.0043  .0065  .0059  -.7  1.3   .7 98:210
M001 1 DGAR P GFZ        .0033 -.0055  .0004 -.0048 -.0001 -.0042 -1.2   .0  -.7 99: 43
M001 1 DGAR P IGS        .0001 -.0001 -.0002 -.0001 -.0002  .0000  -.1  -.2   .0 99: 53
M001 1 DGAR P1 JPL      -.0020  .0002  .0001  .0019  .0000 -.0004   .5   .0  -.1 98: 56
M001 1 DGAR P NCL       -.0001 -.0004  .0007  .0000  .0007 -.0005   .0   .3  -.1 98:153
M001 1 DGAR P NOAA       .0001  .0013 -.0026  .0003 -.0024  .0016   .0  -.7   .2 98: 47

Velocities
M001 1 DGAR P CODE       .0056  .0095 -.0017 -.0024 -.0003  .0109  -.5  -.1  1.5
M001 1 DGAR P GFZ       -.0009 -.0019  .0023  .0003  .0020 -.0024   .1  1.1  -.4
M001 1 DGAR P IGS        .0003  .0010 -.0002  .0000 -.0001  .0011   .0  -.1   .4
M001 1 DGAR P1 JPL      -.0019  .0013 -.0002  .0022 -.0001  .0007   .6  -.1   .1
M001 1 DGAR P NCL        .0004 -.0006  .0000 -.0006 -.0001 -.0005  -.2   .0  -.1
M001 1 DGAR P NOAA       .0060  .0050 -.0009 -.0042 -.0001  .0066  -.6   .0   .7

31303 MASPALOMAS

Positions
M001 1 MASP P GFZ       -.0064 -.0011 -.0041 -.0028 -.0009 -.0071 -1.1  -.3 -1.9 96:306
M002 1 MAS1 P CODE       .0046 -.0026  .0102 -.0012  .0066  .0093  -.4  1.5  2.2 97:345
M002 1 MAS1 P GFZ       -.0053 -.0010 -.0039 -.0024 -.0012 -.0061 -1.0  -.4 -1.6 97: 20
M002 1 MAS1 P IGS        .0002 -.0006  .0003 -.0005  .0001  .0004  -.5   .1   .3 98:209
M002 1 MAS1 P1 JPL      -.0018 -.0004 -.0007 -.0009  .0001 -.0018  -.5   .1  -.7 96:289
M002 1 MAS1 P NCL        .0014 -.0001  .0002  .0003 -.0005  .0013   .2  -.2   .5 97:248
M002 1 MAS1 P NOAA      -.0025 -.0018  .0016 -.0024  .0023 -.0009  -.7   .6  -.2 98:  8
M002 1 MAS1 P EUR        .0012 -.0003  .0007  .0000  .0000  .0015   .0   .0   .3 98:183
M002 1 MAS1 P1 IGN      -.0047  .0010 -.0050 -.0003 -.0022 -.0066  -.1  -.5 -1.3 98:346

Velocities
M001 1 MASP P GFZ        .0049  .0004  .0026  .0017  .0002  .0054  1.3   .1  3.0
M002 1 MAS1 P CODE       .0003  .0009 -.0014  .0009 -.0013 -.0006   .5  -.4  -.2
M002 1 MAS1 P GFZ        .0050  .0004  .0025  .0017  .0000  .0053  1.5   .0  3.0
M002 1 MAS1 P IGS        .0002  .0002 -.0002  .0002 -.0003  .0001   .3  -.3   .0
M002 1 MAS1 P1 JPL      -.0006  .0001 -.0015  .0000 -.0010 -.0012   .0  -.8  -.8
M002 1 MAS1 P NCL        .0004 -.0008  .0014 -.0006  .0010  .0012  -.4   .5   .5
M002 1 MAS1 P NOAA      -.0009 -.0004 -.0002 -.0006  .0002 -.0008  -.2   .1  -.2
M002 1 MAS1 P EUR       -.0023 -.0005 -.0014 -.0011 -.0002 -.0024  -.5  -.1  -.5
M002 1 MAS1 P1 IGN      -.0038  .0040 -.0031  .0028 -.0005 -.0056   .8  -.1  -.9

31901 FLORES

Positions
S001 1 FLOA D9 IGN      -.0556 -.0385  .0295 -.0617  .0404 -.0026  -.6   .5   .0 93: 82
S001 1 FLOA C1 CSR       .0010  .0016  .0010  .0019  .0008  .0007   .1   .0   .0 93: 55

Velocities
S001 1 FLOA D9 IGN       .0835  .0748  .0427  .1071  .0121  .0524   .2   .0   .1
S001 1 FLOA C1 CSR       .0011 -.0006 -.0060  .0001 -.0054 -.0028   .0  -.1   .0

31903 SANTA MARIA

Positions
S001 1 SAMB D GRGS      -.0367  .0168  .0036 -.0004  .0272 -.0301   .0  1.0 -1.0 95:251
S001 1 SAMB D9 IGN      -.0695 -.0530  .0379 -.0775  .0546 -.0095 -2.0  1.9  -.3 95:211
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S001 1 SAMB C GRIM      -.0205  .0046 -.0307 -.0046 -.0122 -.0348  -.1  -.4 -1.2 96:253
S001 1 SAMB C1 CSR       .0127 -.0013  .0020  .0042 -.0056  .0109   .3  -.5   .9 96: 91

Velocities
S001 1 SAMB D GRGS       .0009 -.0053  .0109 -.0044  .0069  .0091  -.1   .3   .3
S001 1 SAMB D9 IGN       .0390  .0255  .0049  .0397 -.0108  .0224  1.1  -.4   .7
S001 1 SAMB C GRIM      -.0093  .0174  .0095  .0117  .0171 -.0069   .3   .7  -.3
S001 1 SAMB C1 CSR      -.0090 -.0051 -.0004 -.0084  .0032 -.0050  -.6   .3  -.4

31906 PONTA DELGADA (S

Positions
M001 1 7609 TIE31906     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7609 R GSFC       .0004  .0002  .0002  .0004  .0000  .0004   .0   .0   .0 92:153
M001 1 7609 R SHA       -.0006  .0009 -.0013  .0006 -.0004 -.0015   .0   .0  -.1 92:153
S001 1 PDLB TIE31906     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 PDLB D9 IGN      -.0694 -.0555  .0102 -.0801  .0317 -.0242 -1.1   .5  -.4 99:230
S001 1 PDLB C GRIM      -.0320 -.0078  .0366 -.0209  .0445  .0022  -.2   .7   .0 99:105
S001 1 PDLB C1 CSR       .0073  .0031 -.0098  .0060 -.0110 -.0018   .2  -.5  -.1 99:269

Velocities
M001 1 7609 R GSFC       .4543  .2635  .1349  .4342 -.0742  .3162   .4   .0   .2
M001 1 7609 R SHA        .0253  .0243 -.0046  .0328 -.0112  .0069   .1   .0   .0
S001 1 PDLB D9 IGN       .1025  .0298 -.0005  .0713 -.0491  .0625   .4  -.4   .4
S001 1 PDLB C GRIM      -.2595 -.0911  .0140 -.1945  .1301 -.1452  -.2   .2  -.2
S001 1 PDLB C1 CSR       .0461  .0698  .0098  .0828  .0008  .0149  1.0   .0   .2

32601 YAMOUSSOUKRO

Positions
M001 1 YKRO P CODE       .0036 -.0041  .0090 -.0038  .0084  .0050  -.3   .7   .1 99:300
M001 1 YKRO P GFZ        .0052 -.0007  .0002 -.0003 -.0004  .0053   .0  -.1   .2 99:290

Velocities
M001 1 YKRO P CODE      -.0760  .0229 -.0128  .0158 -.0035 -.0787   .2   .0  -.2
M001 1 YKRO P GFZ        .0000  .0000 -.0001  .0000 -.0001  .0000   .0  -.1   .0

32809 LIBREVILLE

Positions
M002 1 NKLG TIE32809    -.0005 -.0002 -.0002 -.0001 -.0002 -.0006  -.1  -.1  -.2 97:  1
M002 1 NKLG P IGS        .0093  .0006  .0010 -.0010  .0009  .0093  -.3   .4  1.2  0:205
S002 1 LIBA TIE32809     .0004  .0000  .0002  .0000  .0002  .0004   .0   .1   .2 97:  1
S002 1 LIBA D GRGS      -.0138  .0057 -.0337  .0079 -.0336 -.0128   .2 -2.6  -.6 96: 29
S002 1 LIBA D9 IGN      -.0271  .0008  .0025  .0054  .0026 -.0265   .2   .2 -1.1 95:333
S002 1 LIBA C GRIM      -.0478  .0326  .0259  .0402  .0261 -.0415   .5   .7  -.7 93:  1
S002 1 LIBA C1 CSR       .0170 -.0006  .0097 -.0035  .0096  .0167  -.2  1.3  1.5 95:210
S003 1 LIBB TIE32809     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S003 1 LIBB D9 IGN      -.0197 -.0216  .0034 -.0180  .0035 -.0231  -.2   .1  -.4 99:283
S003 1 LIBB C GRIM      -.0467 -.0388 -.0111 -.0304 -.0107 -.0526  -.4  -.4 -1.2 99: 35
S003 1 LIBB C1 CSR       .0109 -.0394 -.0023 -.0407 -.0024  .0041 -1.3  -.2   .2 99:262

Velocities
M002 1 NKLG P IGS        .0049 -.0130 -.0017 -.0136 -.0017  .0026  -.7  -.1   .1
S002 1 LIBA D GRGS      -.0080 -.0057 -.0014 -.0042 -.0014 -.0089  -.2  -.2  -.7
S002 1 LIBA D9 IGN      -.0029 -.0033 -.0006 -.0027 -.0006 -.0034  -.2  -.1  -.2
S002 1 LIBA C GRIM       .0168 -.1360  .0194 -.1369  .0194 -.0062  -.1   .0   .0
S002 1 LIBA C1 CSR      -.0109  .0063  .0004  .0081  .0004 -.0097   .9   .1 -1.6
S003 1 LIBB D9 IGN       .0201 -.0694  .0639 -.0718  .0638  .0085  -.3   .5   .0
S003 1 LIBB C GRIM      -.0039 -.0117 -.0066 -.0109 -.0066 -.0059  -.5  -.7  -.4
S003 1 LIBB C1 CSR      -.0064 -.0116  .0053 -.0103  .0053 -.0082  -.1   .1  -.1

33201 MALINDI

Positions
M001 1 MALI P CODE       .0002 -.0137  .0109 -.0106  .0104 -.0093 -1.2  2.2 -1.0 97: 61
M001 1 MALI P GFZ       -.0051 -.0023 -.0013  .0015 -.0016 -.0053   .3  -.6 -1.1 98:133
M001 1 MALI P IGS        .0015  .0006  .0003 -.0005  .0004  .0015  -.2   .4   .6 98: 75
M001 1 MALI P1 JPL      -.0048  .0019 -.0029  .0045 -.0030 -.0023   .8 -2.2  -.4 98:292
M001 1 MALI P NCL        .0025 -.0043  .0028 -.0049  .0027 -.0010  -.9   .9  -.2 97: 39
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M001 1 MALI P NOAA       .0077  .0056 -.0030 -.0006 -.0025  .0096  -.1  -.9  1.3 98:250
M001 2 MALI P CODE       .0054 -.0008  .0080 -.0041  .0081  .0032  -.4  1.6   .3 98:240

Velocities
M001 1 MALI P CODE      -.0077 -.0135  .0022 -.0053  .0015 -.0147  -.4   .4 -1.2
M001 1 MALI P GFZ        .0066  .0011  .0008 -.0034  .0011  .0057 -1.4  1.0  2.3
M001 1 MALI P IGS       -.0018 -.0015  .0002  .0000  .0001 -.0023   .0   .1 -1.1
M001 1 MALI P1 JPL      -.0048 -.0116  .0041 -.0058  .0035 -.0113  -.8  2.3 -1.5
M001 1 MALI P NCL       -.0038 -.0087  .0032 -.0042  .0027 -.0087  -.7  1.4 -1.4
M001 1 MALI P NOAA      -.0067 -.0090  .0027 -.0025  .0021 -.0111  -.3   .8 -1.1
M001 2 MALI P CODE      -.0077 -.0135  .0022 -.0053  .0015 -.0147  -.4   .4 -1.2

33710 ARLIT

Positions
S001 1 ARLA TIE33710     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 ARLA C1 CSR      -.0952 -.0719  .2302 -.0591  .2513 -.0242  -.2  1.0  -.1 92:326
S002 1 ARMA TIE33710    -.0004 -.0002  .0004 -.0001  .0005 -.0003   .0   .1   .0 97:  1
S002 1 ARMA D GRGS       .0003  .0337 -.0232  .0334 -.0234 -.0031   .6 -1.0  -.1 95:323
S002 1 ARMA D9 IGN      -.0162 -.0105 -.0089 -.0083 -.0028 -.0193  -.2  -.1  -.6 95:277
S002 1 ARMA C GRIM      -.0049 -.0105 -.0035 -.0098 -.0013 -.0070  -.1   .0  -.2 96:253
S002 1 ARMA C1 CSR       .0029  .0040  .0266  .0036  .0241  .0118   .1  1.4   .6 95:278

Velocities
S001 1 ARLA C1 CSR     -1.7087 1.2618 -.3599 1.4708  .1514-1.5670   .2   .0  -.3
S002 1 ARMA D GRGS      -.0047  .0050  .0021  .0056  .0033 -.0032   .2   .2  -.1
S002 1 ARMA D9 IGN      -.0059  .0031  .0012  .0039  .0029 -.0048   .1   .2  -.2
S002 1 ARMA C GRIM      -.0122 -.0005 -.0026  .0011  .0015 -.0124   .0   .1  -.4
S002 1 ARMA C1 CSR       .0010 -.0008 -.0004 -.0009 -.0007  .0007  -.1  -.1   .1

34101 DAKAR

Positions
S004 1 DAKA D GRGS      -.0201 -.0133 -.0124 -.0187 -.0081 -.0178  -.6  -.6  -.9 96: 59
S004 1 DAKA D9 IGN      -.0155 -.0748  .0446 -.0760  .0412  .0188 -2.9  2.7   .9 96:196
S004 1 DAKA C GRIM       .0028 -.0131 -.0194 -.0117 -.0204  .0015  -.3 -1.6   .1 97:  2
S004 1 DAKA C1 CSR       .0065  .0223  .0020  .0232  .0021  .0000  1.8   .3   .0 96:228

Velocities
S004 1 DAKA D GRGS      -.0040  .0009 -.0022 -.0004 -.0011 -.0045   .0  -.1  -.3
S004 1 DAKA D9 IGN       .0016 -.0022 -.0064 -.0016 -.0067  .0005  -.1  -.9   .0
S004 1 DAKA C GRIM      -.0049 -.0035 -.0015 -.0048 -.0005 -.0039  -.3  -.1  -.3
S004 1 DAKA C1 CSR       .0005  .0025  .0008  .0025  .0008  .0000   .4   .2   .0

35001 RABAT

Positions
M001 1 IAVH P NOAA      -.0023 -.0010  .0006 -.0013  .0017 -.0015  -.3   .3  -.2 98:250

Velocities
M001 1 IAVH P NOAA      -.0128  .0005 -.0070 -.0011  .0013 -.0145   .0   .0  -.4

39801 MAHE ISLAND

Positions
M001 1 SEY1 P CODE       .0086 -.0054  .0066 -.0101  .0066 -.0001  -.6  1.1   .0 98:226
M001 1 SEY1 P GFZ        .0051  .0014  .0006 -.0034  .0009  .0040  -.3   .2   .4 99: 94
M001 1 SEY1 P IGS       -.0006 -.0007  .0000  .0001  .0000 -.0009   .0   .0  -.1 98:295
M001 1 SEY1 P1 JPL      -.0029 -.0020  .0014  .0013  .0011 -.0034   .1   .4  -.3 98:126
M001 1 SEY1 P NOAA      -.0002 -.0067 -.0017 -.0037 -.0022 -.0054  -.2  -.4  -.2 99:173

Velocities
M001 1 SEY1 P CODE       .0026 -.0001 -.0011 -.0022 -.0010  .0014  -.2  -.3   .1
M001 1 SEY1 P GFZ        .0032  .0034  .0014 -.0007  .0018  .0045  -.1   .7   .4
M001 1 SEY1 P IGS        .0010  .0017  .0000  .0001  .0001  .0020   .0   .1   .3
M001 1 SEY1 P1 JPL      -.0003  .0005  .0002  .0005  .0002  .0002   .1   .1   .0
M001 1 SEY1 P NOAA      -.0061 -.0146  .0014 -.0033  .0001 -.0155  -.1   .0  -.3

39901 DJIBOUTI
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Positions
S002 1 DJIA D GRGS      -.0520  .0245  .0309  .0534  .0345 -.0148  2.4  2.9  -.7 96: 17
S002 1 DJIA D9 IGN      -.0027  .0173 -.0228  .0146 -.0243  .0050   .7 -1.8   .2 96:194
S002 1 DJIA C GRIM       .0127 -.0140 -.0119 -.0189 -.0116 -.0026  -.8 -1.0  -.1 96:277
S002 1 DJIA C1 CSR       .0099 -.0062 -.0009 -.0113 -.0015  .0028 -1.3  -.3   .3 96:135

Velocities
S002 1 DJIA D GRGS       .0010 -.0038  .0033 -.0034  .0036 -.0012  -.2   .5  -.1
S002 1 DJIA D9 IGN      -.0003  .0002  .0007  .0004  .0007  .0000   .0   .1   .0
S002 1 DJIA C GRIM       .0076 -.0046  .0004 -.0085 -.0001  .0025  -.7   .0   .2
S002 1 DJIA C1 CSR      -.0021  .0012 -.0003  .0023 -.0001 -.0008   .6  -.1  -.2

40101 ST JOHN'S

Positions
M001 1 STJO TIE40101     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 STJO P CODE       .0044 -.0017  .0093  .0025  .0033  .0096  1.0  1.0  2.8 97:305
M001 1 STJO P GFZ       -.0015 -.0018 -.0008 -.0022 -.0010 -.0002 -1.2  -.4  -.1 97:347
M001 1 STJO P IGS       -.0008  .0006 -.0009 -.0003  .0001 -.0013  -.3   .1 -1.1 98:106
M001 1 STJO P1 JPL       .0001 -.0005  .0009 -.0002  .0002  .0010  -.1   .1   .5 97:343
M001 1 STJO P NCL        .0005 -.0003  .0002  .0002 -.0002  .0005   .1  -.1   .3 98: 39
M001 1 STJO P NOAA       .0000 -.0022 -.0001 -.0013 -.0013  .0011  -.6  -.6   .5 97:191
M001 1 STJO P GIA       -.0011  .0001 -.0013 -.0008 -.0003 -.0014  -.5  -.2  -.9 96:339
S002 1 STJB TIE40101     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S002 1 STJB C1 CSR      -.0305  .0251 -.0070 -.0090  .0237 -.0311  -.3   .8 -1.0 99:352

Velocities
M001 1 STJO P CODE      -.0010  .0008 -.0030 -.0003 -.0011 -.0031  -.2  -.5 -1.4
M001 1 STJO P GFZ        .0019  .0001  .0011  .0016 -.0001  .0016  1.8  -.1  1.5
M001 1 STJO P IGS       -.0009  .0002 -.0008 -.0006  .0000 -.0010  -.8   .0 -1.2
M001 1 STJO P1 JPL      -.0001 -.0010 -.0004 -.0007 -.0008  .0002  -.6  -.6   .2
M001 1 STJO P NCL       -.0006 -.0008 -.0003 -.0010 -.0004 -.0001  -.8  -.2  -.1
M001 1 STJO P NOAA       .0005 -.0004  .0023  .0002  .0010  .0022   .1   .6  1.2
M001 1 STJO P GIA        .0007 -.0005  .0002  .0003 -.0005  .0007   .3  -.4   .6
S002 1 STJB C1 CSR       .0889  .0767  .1053  .1173  .0763  .0730   .4   .3   .3

40102 ONTARIO-OTTAWA

Positions
S007 1 OTTA C1 CSR       .0061 -.0048 -.0054  .0047 -.0082  .0005   .1  -.1   .0 93:224
S009 1 OTTA D GRGS      -.0072  .0087  .0230 -.0048  .0234  .0092  -.2  1.5   .6 95:275
S009 1 OTTA D9 IGN      -.0131 -.0157 -.0208 -.0166 -.0232 -.0064  -.7 -1.2  -.3 95:269
S009 1 OTTA C GRIM       .0235 -.0053  .0217  .0215  .0074  .0231   .4   .2   .5 93:  1
S011 1 OTTB D GRGS       .0215  .0171  .0225  .0251  .0238  .0081   .5   .7   .2 98:166
S011 1 OTTB D9 IGN       .0038 -.0242 -.0304 -.0023 -.0387 -.0045  -.1 -1.2  -.1 99: 82
S011 1 OTTB C GRIM      -.0241  .0197  .0114 -.0185  .0258 -.0095  -.4  1.0  -.4 99: 40

Velocities
S007 1 OTTA C1 CSR     -1.0595  .3403  .2753 -.9427  .6144 -.2192 -1.3  1.0  -.4
S009 1 OTTA D GRGS       .0019 -.0026  .0086  .0012  .0039  .0082   .1   .3   .7
S009 1 OTTA D9 IGN       .0000  .0074 -.0065  .0018  .0006 -.0096   .1   .0  -.6
S009 1 OTTA C GRIM      -.1233 -.0232  .0114 -.1252  .0137  .0025  -.1   .0   .0
S011 1 OTTB D GRGS       .0019 -.0026  .0086  .0012  .0039  .0082   .1   .3   .7
S011 1 OTTB D9 IGN       .0023 -.0126  .0007 -.0009 -.0086  .0094   .0  -.2   .2
S011 1 OTTB C GRIM      -.0078  .0024 -.0062 -.0070 -.0013 -.0074  -.5  -.1  -.7

40104 ALGONQUIN

Positions
M002 1 ALGO TIE40104     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 ALGO P CODE       .0036 -.0019  .0099  .0032  .0050  .0089  1.4  1.4  2.5 97:317
M002 1 ALGO P GFZ       -.0014 -.0009 -.0012 -.0015 -.0012 -.0005  -.9  -.5  -.2 97:336
M002 1 ALGO P IGS       -.0002 -.0006  .0001 -.0003 -.0004  .0005  -.4  -.3   .4 98:118
M002 1 ALGO P1 JPL       .0008 -.0012  .0005  .0005 -.0006  .0013   .5  -.3   .8 96:268
M002 1 ALGO P NCL        .0000 -.0009  .0004 -.0001 -.0004  .0009  -.1  -.2   .5 98: 77
M002 1 ALGO P NOAA       .0004 -.0014  .0003  .0001 -.0008  .0012   .1  -.4   .6 97:190
M003 1 7410 TIE40104     .0012 -.0106  .0035 -.0010 -.0052  .0099  -.2 -1.2  2.3 97:  1
M003 1 7410 L AUS       -.0519 -.0140  .0167 -.0537  .0095  .0141 -1.1   .2   .3 95:288
M003 1 7410 L CGS       -.0453 -.0112 -.0033 -.0466 -.0035 -.0012 -2.6  -.1   .0 97:  1
M003 1 7410 L4 CSR       .0079 -.0039  .0024  .0069 -.0022  .0055   .3   .0   .1 93:228
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M003 1 7410 L JCET      -.0009  .0024  .0038 -.0003  .0045  .0010  -.1   .9   .2 93:222
M003 1 7410 C GRIM      -.0027 -.0075  .0037 -.0042 -.0023  .0074  -.3  -.1   .3 93:217
M003 1 7410 C1 CSR       .0064  .0036  .0026  .0070  .0033  .0003   .6   .1   .0 93:220
S001 1 7282 TIE40104    -.0009 -.0109  .0071 -.0031 -.0026  .0124 -1.0  -.8  3.9 97:  1
S001 1 7282 R GIUB       .0021  .0013 -.0005  .0023  .0002 -.0009  1.1   .1  -.4 95:287
S001 1 7282 R GSFC       .0002  .0039 -.0035  .0010  .0003 -.0052  1.3   .2 -2.7 97: 15
S001 1 7282 R SHA        .0008  .0022 -.0017  .0012  .0002 -.0026  1.0   .1 -1.2 96:353

Velocities
M002 1 ALGO P CODE      -.0001 -.0006 -.0024 -.0002 -.0021 -.0013  -.2  -.9  -.6
M002 1 ALGO P GFZ        .0013  .0007 -.0005  .0015  .0000 -.0006  2.0   .0  -.6
M002 1 ALGO P IGS       -.0009  .0017 -.0019 -.0005  .0001 -.0026  -.9   .1 -3.3
M002 1 ALGO P1 JPL       .0001  .0004  .0006  .0002  .0007  .0002   .3   .7   .2
M002 1 ALGO P NCL       -.0007 -.0003 -.0002 -.0007 -.0003  .0000  -.6  -.2   .0
M002 1 ALGO P NOAA       .0000 -.0013  .0019 -.0003  .0004  .0022  -.2   .3  1.5
M003 1 7410 L AUS       -.0190 -.0036  .0076 -.0194  .0056  .0052  -.7   .2   .2
M003 1 7410 L CGS       -.0288 -.0078  .0008 -.0298 -.0007  .0017   .0   .0   .0
M003 1 7410 L4 CSR       .0300 -.0097  .0215  .0274  .0036  .0264   .1   .0   .1
M003 1 7410 L JCET       .0170 -.0269 -.0357  .0110 -.0463 -.0049   .1  -.6  -.1
M003 1 7410 C GRIM      -.0046  .0171  .0905 -.0009  .0757  .0528   .0   .2   .1
M003 1 7410 C1 CSR      -.0284  .0019 -.1720 -.0274 -.1140 -.1290  -.1  -.3  -.4
S001 1 7282 R GIUB       .0006 -.0001  .0005  .0006  .0002  .0005   .7   .2   .6
S001 1 7282 R GSFC       .0002  .0000  .0000  .0002  .0000  .0001  1.1   .0   .2
S001 1 7282 R SHA        .0003 -.0002  .0004  .0002  .0000  .0005   .2   .0   .5

40105 PENTICTON

Positions
M001 1 7283 TIE40105     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7283 R GSFC      -.0045 -.0070  .0104 -.0004  .0005  .0133   .0   .0   .4 89: 52
M001 1 7283 R SHA       -.0041 -.0076  .0118  .0002  .0012  .0146   .0   .0   .4 89: 41
M002 1 DRAO TIE40105     .0007  .0002  .0006  .0006  .0008  .0001   .2   .2   .0 97:  1
M002 1 DRAO P CODE       .0036  .0007  .0070  .0028  .0064  .0038  1.1  1.9  1.1 97:289
M002 1 DRAO P GFZ       -.0012  .0016 -.0028 -.0018 -.0013 -.0027 -1.0  -.5 -1.0 97:355
M002 1 DRAO P IGS       -.0001  .0005 -.0010 -.0004 -.0004 -.0010  -.4  -.4  -.9 98:125
M002 1 DRAO P1 JPL       .0018  .0003 -.0018  .0014 -.0003 -.0021   .9  -.2 -1.1 97: 85
M002 1 DRAO P NCL       -.0005 -.0013  .0013  .0002 -.0001  .0019   .1  -.1   .9 98: 79
M002 1 DRAO P NOAA       .0018 -.0014  .0006  .0023  .0001  .0007  1.1   .1   .3 97:239
M002 1 DRAO P GIA       -.0004 -.0006 -.0011 -.0001 -.0013 -.0004  -.1  -.8  -.2 96:316

Velocities
M001 1 7283 R GSFC       .0059  .0123 -.0152 -.0010  .0004 -.0204  -.1   .0 -1.3
M001 1 7283 R SHA        .0065  .0128 -.0162 -.0006  .0003 -.0217  -.1   .0 -1.5
M002 1 DRAO P CODE       .0006 -.0005 -.0023  .0008 -.0016 -.0017   .5  -.7  -.7
M002 1 DRAO P GFZ        .0015 -.0001  .0005  .0013  .0008  .0000  1.6   .7   .0
M002 1 DRAO P IGS        .0005  .0001  .0003  .0004  .0004  .0000   .5   .5   .0
M002 1 DRAO P1 JPL      -.0011 -.0007  .0016 -.0006  .0002  .0019  -.7   .2  1.7
M002 1 DRAO P NCL        .0000 -.0011  .0009  .0005 -.0002  .0013   .4  -.1   .8
M002 1 DRAO P NOAA       .0003 -.0012  .0015  .0008  .0004  .0017   .6   .2  1.0
M002 1 DRAO P GIA        .0001  .0004  .0007 -.0001  .0007  .0003  -.2   .7   .3

40114 OTTAWA

Positions
M001 1 NRC1 P CODE       .0040 -.0023  .0077  .0033  .0031  .0077  1.2   .7  1.7 98:291
M001 1 NRC1 P IGS       -.0008  .0003 -.0006 -.0007 -.0001 -.0008  -.7   .0  -.5 98:322
M001 1 NRC1 P1 JPL      -.0005  .0000  .0007 -.0004  .0006  .0005  -.2   .2   .2 98:240
M001 1 NRC1 P NCL       -.0002  .0058 -.0034  .0013  .0016 -.0064   .2   .2  -.7 96:160
M001 1 NRC1 P NOAA      -.0008 -.0021  .0005 -.0013 -.0009  .0017  -.5  -.3   .5 98:150

Velocities
M001 1 NRC1 P CODE      -.0006  .0000 -.0026 -.0006 -.0017 -.0020  -.3  -.4  -.5
M001 1 NRC1 P IGS       -.0003  .0006 -.0006 -.0002  .0001 -.0009  -.2   .1  -.7
M001 1 NRC1 P1 JPL       .0001 -.0006  .0001  .0000 -.0003  .0005   .0  -.1   .1
M001 1 NRC1 P NCL       -.0008 -.0005  .0007 -.0009  .0003  .0007  -.5   .1   .2
M001 1 NRC1 P NOAA       .0001 -.0012  .0032 -.0002  .0013  .0031  -.1   .4   .9

40118 WHITEHORSE

Positions
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M001 1 7284 R GSFC       .0004  .0012 -.0021 -.0005  .0000 -.0023   .0   .0   .0 86:196
M001 1 7284 R SHA       -.0015  .0000  .0051 -.0011  .0016  .0050   .0   .0   .1 86:196
M001 2 7284 R GSFC      -.0172 -.0180  .0377  .0005 -.0033  .0451   .0   .0   .1 97:  1
M001 2 7284 R SHA        .0130  .0132 -.0263 -.0002  .0033 -.0320   .0   .0  -.1 97:  1

Velocities
M001 1 7284 R GSFC      -.0021 -.0023  .0047  .0001 -.0004  .0056   .0   .0   .1
M001 1 7284 R SHA        .0016  .0016 -.0036  .0000  .0003 -.0042   .0   .0  -.1
M001 2 7284 R GSFC       .0019  .0149 -.0772 -.0092 -.0275 -.0731   .0   .0   .0
M001 2 7284 R SHA        .0179  .0384 -.0786 -.0146 -.0038 -.0880   .0   .0   .0

40124 CALGARY

Positions
M001 1 PRDS P IGS       -.0009  .0019 -.0027 -.0016 -.0007 -.0030  -.7  -.2 -1.0 99: 85
M001 1 PRDS P1 JPL       .0005 -.0015  .0023  .0011  .0005  .0025   .5   .2   .9 98:275

Velocities
M001 1 PRDS P IGS        .0004  .0000  .0004  .0003  .0004  .0002   .2   .2   .1
M001 1 PRDS P1 JPL       .0000 -.0018  .0018  .0007 -.0002  .0025   .2   .0   .5

40127 YELLOWKNIFE

Positions
M001 1 7285 TIE40127     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7285 R GSFC      -.0063 -.0227  .0455  .0037  .0004  .0511   .2   .0  1.0 85:101
M001 1 7285 R SHA       -.0054 -.0210  .0454  .0038  .0021  .0501   .2   .1  1.0 85: 98
M003 1 YELL TIE40127     .0022  .0031 -.0022  .0007  .0023 -.0037   .2   .7 -1.2 97:  1
M003 1 YELL P CODE       .0076  .0082 -.0050  .0035  .0071 -.0093  1.1  1.4 -1.3 96:252
M003 1 YELL P GFZ       -.0019  .0016 -.0033 -.0024 -.0009 -.0032 -1.4  -.4 -1.0 97:363
M003 1 YELL P IGS       -.0005 -.0004 -.0004 -.0003 -.0007 -.0001  -.4  -.7  -.1 98:136
M003 1 YELL P1 JPL      -.0011 -.0015  .0025 -.0004 -.0005  .0030  -.2  -.2  1.0 98: 78
M003 1 YELL P NCL        .0039  .0080 -.0129  .0002  .0019 -.0156   .1   .6 -3.4 97: 12
M003 1 YELL P NOAA       .0019  .0003 -.0021  .0016  .0000 -.0024   .9   .0 -1.0 97:239
M003 1 YELL P GIA       -.0006 -.0001  .0006 -.0005  .0000  .0006  -.3   .0   .3 96:347
M003 2 YELL P CODE       .0032 -.0005  .0074  .0031  .0042  .0062  1.3  1.4  1.4 98: 65
M004 1 7296 TIE40127    -.0021  .0019 -.0113 -.0027 -.0045 -.0104  -.6 -1.0 -2.4 97:  1
M004 1 7296 R GSFC       .0001 -.0017  .0063  .0008  .0016  .0063   .5   .6  1.8 95:183
M004 1 7296 R SHA        .0002 -.0025  .0058  .0012  .0008  .0062   .6   .2  1.6 96: 62
S007 1 YELA TIE40127     .0023 -.0115  .0070  .0068 -.0052  .0106  1.3 -1.0  2.1 97:  1
S007 1 YELA D GRGS      -.0314  .0186 -.0067 -.0362  .0004 -.0077 -2.9   .0  -.7 96:  1
S007 1 YELA D9 IGN       .0400 -.0010 -.0004  .0368  .0137 -.0076  2.4   .9  -.5 96:129
S007 1 YELA C GRIM      -.0055  .0123 -.0157 -.0101  .0007 -.0180  -.9   .1 -2.4 95:323

Velocities
M001 1 7285 R GSFC       .0057  .0203 -.0385 -.0033  .0007 -.0438  -.1   .0  -.4
M001 1 7285 R SHA        .0054  .0186 -.0339 -.0028  .0013 -.0389  -.1   .0  -.5
M003 1 YELL P CODE       .0008  .0010 -.0050  .0003 -.0012 -.0050   .2  -.5 -1.6
M003 1 YELL P GFZ        .0020 -.0005  .0017  .0020  .0011  .0014  2.8  1.1  1.0
M003 1 YELL P IGS        .0003  .0002  .0000  .0002  .0003 -.0001   .4   .4  -.1
M003 1 YELL P1 JPL       .0015  .0013 -.0033  .0008  .0001 -.0038   .8   .0 -2.0
M003 1 YELL P NCL        .0005  .0002 -.0006  .0004  .0001 -.0007   .3   .1  -.3
M003 1 YELL P NOAA      -.0006 -.0023  .0037  .0005 -.0004  .0043   .3  -.2  2.3
M003 1 YELL P GIA        .0003 -.0004  .0014  .0004  .0005  .0013   .5   .5  1.1
M003 2 YELL P CODE       .0008  .0010 -.0050  .0003 -.0012 -.0050   .2  -.5 -1.6
M004 1 7296 R GSFC       .0003  .0004 -.0004  .0002  .0002 -.0005   .3   .3  -.5
M004 1 7296 R SHA        .0005  .0002 -.0007  .0004  .0001 -.0008   .3   .1  -.5
S007 1 YELA D GRGS       .0008  .0007 -.0016  .0005  .0001 -.0019   .1   .0  -.3
S007 1 YELA D9 IGN       .0023 -.0020 -.0030  .0029 -.0021 -.0023   .4  -.3  -.3
S007 1 YELA C GRIM       .0029  .0064  .0033  .0000  .0078 -.0003   .0  1.8  -.1

40128 CHURCHILL

Positions
M002 1 CHUR P CODE       .0032 -.0007  .0078  .0032  .0037  .0069  1.5  1.1  1.6 98: 71
M002 1 CHUR P IGS       -.0003 -.0005 -.0004 -.0002 -.0007  .0000  -.3  -.4   .0 98:274
M002 1 CHUR P1 JPL       .0006  .0005 -.0001  .0005  .0005 -.0003   .3   .2  -.1 98: 92
M002 1 CHUR P NCL        .0000 -.0010  .0013  .0001 -.0002  .0016   .1  -.1   .5 98:136
M002 1 CHUR P NOAA       .0008 -.0011  .0001  .0009 -.0009  .0006   .4  -.3   .2 98: 53
M002 1 CHUR P GIA        .0002  .0010 -.0008  .0001  .0005 -.0012   .1   .2  -.6 97:189
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Velocities
M002 1 CHUR P CODE       .0001  .0000 -.0030  .0002 -.0016 -.0025   .1  -.6  -.8
M002 1 CHUR P IGS        .0001 -.0001  .0002  .0001  .0000  .0002   .1   .0   .1
M002 1 CHUR P1 JPL       .0009  .0013 -.0004  .0008  .0010 -.0011   .4   .3  -.3
M002 1 CHUR P NCL       -.0002 -.0001 -.0005 -.0002 -.0004 -.0004  -.1  -.1  -.1
M002 1 CHUR P NOAA       .0002 -.0005  .0013  .0003  .0003  .0014   .2   .1   .5
M002 1 CHUR P GIA        .0000  .0002 -.0001  .0000  .0001 -.0002   .0   .1  -.1

40129 VICTORIA/SIDNEY

Positions
M001 1 7289 TIE40129     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7289 R GSFC      -.0057  .0005  .0125 -.0051  .0062  .0112  -.2   .1   .3 90:215
M001 1 7289 R SHA       -.0060 -.0005  .0147 -.0047  .0070  .0134  -.2   .2   .3 90:215
M003 1 ALBH TIE40129     .0000  .0015  .0012 -.0009  .0017  .0001  -.3   .5   .0 97:  1
M003 1 ALBH P CODE       .0036  .0000  .0069  .0030  .0060  .0038  1.2  1.7  1.0 98: 14
M003 1 ALBH P IGS        .0000  .0007 -.0015 -.0004 -.0006 -.0015  -.4  -.5 -1.2 98: 60
M003 1 ALBH P1 JPL       .0009 -.0004 -.0006  .0010 -.0003 -.0006   .6  -.2  -.3 97:203
M003 1 ALBH P NCL       -.0005 -.0006  .0004 -.0001 -.0003  .0009   .0  -.1   .4 98: 21
M003 1 ALBH P NOAA       .0011 -.0013  .0007  .0017  .0001  .0008   .8   .0   .3 97:236

Velocities
M001 1 7289 R GSFC       .3331 -.5954 -.2695  .6063 -.4128  .0063   .3  -.2   .0
M001 1 7289 R SHA        .0127 -.0126 -.0014  .0175 -.0036  .0013   .1   .0   .0
M003 1 ALBH P CODE       .0005 -.0006 -.0019  .0008 -.0014 -.0013   .4  -.6  -.5
M003 1 ALBH P IGS        .0009  .0007 -.0007  .0003  .0003 -.0012   .4   .3 -1.2
M003 1 ALBH P1 JPL      -.0002 -.0004  .0017  .0000  .0008  .0016   .0   .6  1.1
M003 1 ALBH P NCL       -.0004 -.0011  .0008  .0003 -.0003  .0014   .2  -.2   .8
M003 1 ALBH P NOAA       .0005 -.0022  .0024  .0016  .0005  .0028  1.1   .3  1.7

40130 HOLBERG

Positions
M001 1 HOLB P IGS        .0004  .0000 -.0003  .0003  .0000 -.0003   .1   .0  -.1 99: 32

Velocities
M001 1 HOLB P IGS        .0013  .0026 -.0020 -.0006  .0009 -.0033  -.1   .2  -.5

40132 LA GRANDE

Positions
M001 1 7411 L AUS       -.1261  .0650  .0282 -.1108  .0882 -.0298 -2.0  1.7  -.6 96:255
M001 1 7411 L CGS        .0563 -.0454  .0107  .0462 -.0385  .0416  1.7  -.9   .9 97:  1
M001 1 7411 L4 CSR       .0098  .0043 -.0015  .0104  .0009 -.0026   .3   .0   .0 94:245
M001 1 7411 C GRIM      -.0118 -.0625 -.0267 -.0239 -.0633  .0133  -.6 -1.0   .2 94:246
M001 1 7411 C1 CSR      -.0038  .0190  .0094  .0000  .0212 -.0039   .0   .5  -.1 94:236

Velocities
M001 1 7411 L AUS       -.0698  .0313  .0180 -.0622  .0466 -.0118 -1.3  1.1  -.3
M001 1 7411 L CGS       -.0895  .0397  .0144 -.0799  .0542 -.0219   .0   .0   .0
M001 1 7411 L4 CSR      -.0067  .2515 -.0684  .0433  .1592 -.2018   .1   .2  -.2
M001 1 7411 C GRIM      -.1012 -.0679  .0452 -.1127 -.0107  .0639  -.1   .0   .1
M001 1 7411 C1 CSR      -.0041  .0422  .0505  .0043  .0638  .0157   .0   .1   .0

40133 SCHEFFERVILLE

Positions
M002 1 SCH2 P CODE       .0037 -.0012  .0062  .0030  .0015  .0066  1.1   .4  1.4 98:323
M002 1 SCH2 P IGS       -.0010  .0005 -.0024 -.0008 -.0007 -.0025  -.6  -.3 -1.1 99: 59
M002 1 SCH2 P1 JPL      -.0013 -.0008  .0027 -.0015  .0014  .0024  -.7   .5   .8 98:280
M002 1 SCH2 P NOAA      -.0024 -.0028  .0011 -.0033 -.0007  .0018 -1.0  -.2   .4 98:280

Velocities
M002 1 SCH2 P CODE      -.0010 -.0001 -.0026 -.0010 -.0012 -.0023  -.4  -.3  -.5
M002 1 SCH2 P IGS       -.0001 -.0001 -.0001 -.0001 -.0001 -.0001  -.1  -.1   .0
M002 1 SCH2 P1 JPL      -.0003  .0001 -.0001 -.0003  .0001 -.0002  -.1   .0   .0
M002 1 SCH2 P NOAA       .0002 -.0014  .0048 -.0004  .0016  .0047  -.1   .4   .9

40134 WILLIAMS LAKE
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Positions
M001 1 WILL P CODE       .0044 -.0002  .0032  .0039  .0037  .0012  1.1   .8   .2 99:120
M001 1 WILL P IGS        .0001 -.0002 -.0004  .0002 -.0003 -.0002   .1  -.2  -.1 99:  3
M001 1 WILL P NCL       -.0002 -.0006  .0003  .0002 -.0002  .0006   .1  -.1   .2 98:163

Velocities
M001 1 WILL P CODE      -.0016 -.0025  .0021 -.0001 -.0011  .0035   .0  -.2   .5
M001 1 WILL P IGS        .0006  .0001  .0001  .0004  .0004 -.0002   .4   .3  -.1
M001 1 WILL P NCL        .0000 -.0010  .0007  .0005 -.0002  .0011   .3  -.1   .4

40135 FLIN FLON

Positions
M001 1 FLIN P CODE       .0037  .0012  .0051  .0034  .0045  .0030  1.5  1.3   .7 98: 54
M001 1 FLIN P IGS       -.0001  .0000 -.0019 -.0001 -.0011 -.0016  -.1  -.6  -.8 98:178
M001 1 FLIN P1 JPL      -.0005  .0002  .0020 -.0005  .0012  .0016  -.3   .4   .5 98:141
M001 1 FLIN P NCL       -.0002 -.0003  .0005 -.0001  .0000  .0006  -.1   .0   .2 98:113
M001 1 FLIN P NOAA       .0009 -.0015  .0008  .0012 -.0006  .0014   .6  -.2   .5 98:  4
M001 1 FLIN P GIA        .0001 -.0007  .0007  .0003 -.0001  .0009   .2  -.1   .5 97:157

Velocities
M001 1 FLIN P CODE       .0001 -.0023  .0001  .0005 -.0018  .0013   .4  -.7   .4
M001 1 FLIN P IGS       -.0001 -.0015  .0017  .0002 -.0003  .0023   .2  -.2  1.3
M001 1 FLIN P1 JPL       .0016  .0010 -.0014  .0013  .0003 -.0019   .7   .1  -.6
M001 1 FLIN P NCL       -.0001  .0001 -.0004 -.0001 -.0001 -.0003  -.1   .0  -.1
M001 1 FLIN P NOAA       .0002 -.0003  .0012  .0002  .0005  .0011   .1   .2   .4
M001 1 FLIN P GIA       -.0011  .0023 -.0012 -.0016  .0010 -.0021 -1.3   .6 -1.3

40136 WHITEHORSE GPS S

Positions
M001 1 WHIT P CODE       .0040  .0002  .0049  .0027  .0050  .0028  1.1  1.6   .6 98: 56
M001 1 WHIT P IGS        .0004  .0000 -.0014  .0003 -.0004 -.0013   .3  -.3  -.8 98:183
M001 1 WHIT P1 JPL      -.0014  .0007  .0002 -.0015 -.0004  .0004  -.8  -.2   .1 98: 64
M001 1 WHIT P NCL       -.0009 -.0012  .0026  .0002 -.0001  .0030   .1   .0  1.1 98:120
M001 1 WHIT P NOAA       .0012  .0002  .0001  .0007  .0009 -.0004   .2   .3  -.1 98: 54
M001 1 WHIT P GIA       -.0009  .0006  .0003 -.0011  .0000  .0003  -.6   .0   .2 97:141

Velocities
M001 1 WHIT P CODE       .0000 -.0008 -.0020  .0006 -.0015 -.0014   .3  -.6  -.4
M001 1 WHIT P IGS       -.0005 -.0006  .0022  .0001  .0004  .0023   .1   .3  1.5
M001 1 WHIT P1 JPL       .0002  .0000  .0005  .0001  .0003  .0003   .1   .1   .1
M001 1 WHIT P NCL       -.0006 -.0004  .0014 -.0001  .0000  .0016  -.1   .0   .5
M001 1 WHIT P NOAA      -.0019 -.0009  .0024 -.0007 -.0006  .0031  -.3  -.2   .8
M001 1 WHIT P GIA        .0003  .0005 -.0010 -.0001  .0000 -.0011  -.1   .0  -.8

40137 LAC DU BONNET

Positions
M001 1 DUBO P CODE       .0044  .0017  .0042  .0042  .0043  .0019  1.6  1.0   .4 98:290
M001 1 DUBO P IGS       -.0002  .0006 -.0019 -.0002 -.0008 -.0018  -.2  -.3  -.7 99: 69
M001 1 DUBO P1 JPL      -.0008  .0003  .0016 -.0008  .0012  .0011  -.5   .4   .4 98:125
M001 1 DUBO P NOAA      -.0009 -.0022  .0016 -.0007 -.0007  .0027  -.3  -.3  1.0 98: 52

Velocities
M001 1 DUBO P CODE      -.0011 -.0048  .0013 -.0006 -.0029  .0041  -.4  -.7   .9
M001 1 DUBO P IGS       -.0006 -.0019  .0012 -.0004 -.0007  .0022  -.4  -.3   .9
M001 1 DUBO P1 JPL       .0017  .0050 -.0029  .0011  .0021 -.0055   .6   .6 -1.6
M001 1 DUBO P NOAA       .0013 -.0003  .0014  .0014  .0007  .0012   .8   .3   .4

40138 NANOOSE

Positions
M001 1 NANO P IGS        .0003  .0001 -.0004  .0002  .0000 -.0005   .1   .0  -.1 99: 27

Velocities
M001 1 NANO P IGS        .0026  .0049 -.0048 -.0006  .0011 -.0073  -.1   .1  -.8

40140 UCLUELET
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Positions
M001 1 UCLU P IGS        .0003  .0001 -.0004  .0002 -.0001 -.0005   .1   .0  -.1 99: 14

Velocities
M001 1 UCLU P IGS        .0023  .0044 -.0041 -.0007  .0010 -.0064  -.1   .1  -.7

40141 WHISTLER

Positions
M001 1 WSLR P IGS        .0002  .0000 -.0004  .0002 -.0002 -.0004   .0   .0  -.1 98:338

Velocities
M001 1 WSLR P IGS        .0020  .0045 -.0043 -.0007  .0010 -.0064  -.1   .1  -.7

40142 CHILLIWACK

Positions
M001 1 CHWK P NOAA       .0027 -.0039  .0034  .0044  .0008  .0038   .8   .1   .6 99:240

Velocities
M001 1 CHWK P NOAA      -.0007 -.0046  .0054  .0019  .0003  .0069   .1   .0   .3

40400 PASADENA

Positions
M001 1 7896 TIE40400     .0000  .0001  .0001 -.0001  .0001  .0000   .0   .0   .0 97:  1
M001 1 7896 L4 CSR      -.0084  .0235 -.0286 -.0185 -.0142 -.0299  -.1  -.1  -.1 80:324
M003 1 7263 TIE40400     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M003 1 7263 R GSFC       .0064  .0173 -.0140 -.0025 -.0013 -.0230  -.2  -.1 -1.4 86:243
M003 1 7263 R SHA        .0062  .0143 -.0070 -.0013  .0029 -.0168  -.1   .2  -.9 86:314
M007 1 7272 TIE40400    -.0074  .0016 -.0040 -.0073 -.0045 -.0005 -2.3 -1.4  -.2 97:  1
M007 1 7272 P GFZ       -.0010 -.0010 -.0016 -.0004 -.0021  .0003  -.2  -.7   .1 98:  2
M007 1 7272 P IGS        .0001  .0011 -.0011 -.0004 -.0003 -.0015  -.3  -.2  -.8 98:165
M007 1 7272 P NCL        .0004  .0005  .0000  .0001  .0003 -.0005   .0   .1  -.2 98: 20
M007 1 7272 P2 JPL       .0013  .0049 -.0055 -.0012 -.0018 -.0072   .0  -.1  -.2 99:219
M101 1 WLSN P2 JPL       .0007  .0005  .0000  .0004  .0004 -.0006   .1   .1  -.1 98:261
M301 1 BRAN P NOAA       .0010 -.0017  .0010  .0016  .0002  .0014   .6   .1   .5 97:241
M301 1 BRAN P2 JPL      -.0003 -.0022 -.0010  .0008 -.0020  .0012   .2  -.5   .3 97:286
S201 1 CIT1 P IGS        .0007  .0016 -.0025 -.0002 -.0010 -.0028   .0   .0  -.1 99:147
S201 1 CIT1 P2 JPL       .0000 -.0003  .0000  .0001 -.0002  .0003   .0   .0   .1 97:228

Velocities
M001 1 7896 L4 CSR       .1126 -.7405 -.0097  .4488 -.3451  .4904   .4  -.3   .4
M003 1 7263 R GSFC       .0036  .0067 -.0002  .0000  .0041 -.0064   .0   .4  -.6
M003 1 7263 R SHA        .0044  .0081 -.0019  .0000  .0036 -.0087   .0   .4 -1.0
M007 1 7272 P GFZ        .0000  .0010  .0008 -.0004  .0011 -.0003  -.4   .9  -.2
M007 1 7272 P IGS        .0010  .0010 -.0008  .0004  .0001 -.0016   .3   .1 -1.3
M007 1 7272 P NCL       -.0003 -.0005  .0003  .0000 -.0001  .0006   .0   .0   .3
M007 1 7272 P2 JPL      -.0008  .0000 -.0004 -.0007 -.0006  .0001  -.3  -.3   .0
M101 1 WLSN P2 JPL      -.0034  .0046 -.0020 -.0052 -.0003 -.0032 -1.1  -.1  -.6
M301 1 BRAN P NOAA       .0009 -.0003  .0002  .0009  .0003  .0000   .5   .1   .0
M301 1 BRAN P2 JPL      -.0025 -.0041  .0001 -.0003 -.0026  .0040  -.1  -.9  1.2
S201 1 CIT1 P IGS       -.0016 -.0005  .0091 -.0011  .0068  .0061   .0   .1   .1
S201 1 CIT1 P2 JPL      -.0013  .0009 -.0009 -.0016 -.0006 -.0006  -.7  -.3  -.3

40403 PALOS VERDES

Positions
M001 1 7268 R GSFC       .0020  .0062 -.0032 -.0012  .0009 -.0071  -.1   .0  -.3 88:324
M001 1 7268 R SHA        .0014  .0023  .0022  .0001  .0034 -.0010   .0   .2  -.1 89: 71
M002 1 PVEP P2 JPL       .0005  .0005  .0002  .0002  .0005 -.0004   .0   .1  -.1 98:345

Velocities
M001 1 7268 R GSFC      -.0054 -.0102  .0121  .0001  .0037  .0163   .0   .2  1.0
M001 1 7268 R SHA       -.0045 -.0078  .0091 -.0003  .0026  .0125   .0   .2  1.0
M002 1 PVEP P2 JPL      -.0007  .0002 -.0013 -.0007 -.0011 -.0006  -.2  -.3  -.2

40404 PEARBLOSSOM
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Positions
M001 1 7254 R GSFC       .0008  .0039 -.0030 -.0011 -.0003 -.0049  -.1   .0  -.2 86: 27
M001 1 7254 R SHA        .0041  .0071 -.0011  .0003  .0038 -.0073   .0   .2  -.3 86:121
M101 1 HOLC P NOAA       .0055  .0037 -.0008  .0031  .0027 -.0052   .3   .2  -.4 98:141
M101 1 HOLC P2 JPL       .0026 -.0051 -.0027  .0047 -.0041  .0012   .1  -.1   .0 99:215

Velocities
M001 1 7254 R GSFC      -.0089 -.0146  .0142 -.0011  .0020  .0221  -.1   .1  1.5
M001 1 7254 R SHA       -.0063 -.0087  .0094 -.0015  .0017  .0141  -.2   .2  1.1
M101 1 HOLC P NOAA       .0017  .0008 -.0004  .0012  .0005 -.0015   .6   .3  -.7
M101 1 HOLC P2 JPL      -.0007 -.0004  .0004 -.0005 -.0001  .0008  -.2   .0   .2

40405 GOLDSTONE

Positions
M001 1 7085 TIE40405    -.0074 -.0031 -.0120 -.0051 -.0133 -.0020  -.5 -1.2  -.2 97:  1
M001 1 7085 L4 CSR      -.2830 -.2683 -.0876 -.1311 -.2842  .2485  -.2  -.4   .3 78: 77
M002 1 7115 TIE40405    -.0340 -.0434  .0121 -.0108 -.0213  .0511  -.4  -.9  2.1 97:  1
M002 1 7115 L4 CSR      -.1129 -.1773  .1560 -.0209  .0067  .2608  -.3   .1  2.8 80:188
M006 1 7265 TIE40405     .0045  .0098 -.0109 -.0005 -.0026 -.0151  -.1  -.2 -1.3 97:  1
M006 1 7265 L4 CSR       .0349  .1122 -.0754 -.0196  .0055 -.1381  -.1   .0  -.8 84: 38
M006 1 7265 L DEOS      -.2508  .1215 -.0698 -.2786 -.0599 -.0362 -1.0  -.2  -.1 93:  1
M013 1 7288 TIE40405     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M013 1 7288 R GSFC       .0032  .0083 -.0061 -.0009  .0001 -.0108  -.1   .0  -.5 87:306
M013 1 7288 R SHA        .0047  .0090 -.0020  .0001  .0042 -.0094   .0   .2  -.4 87:306
M013 1 7288 L CGS        .0095  .0128  .0067  .0027  .0145 -.0089   .1   .5  -.3 90:244
M013 1 7288 L CRL       -.0057  .0150 -.0025 -.0118  .0043 -.0102  -.9   .3  -.6 90:328
M013 1 7288 L4 CSR      -.0032  .0088 -.0003 -.0068  .0035 -.0054  -.2   .1  -.1 89:327
M013 1 7288 L DEOS      -.0555  .0221 -.0193 -.0595 -.0189 -.0068  -.8  -.2  -.1 92: 69
M013 1 7288 C GRIM      -.0169  .0183  .0068 -.0233  .0106 -.0032  -.7   .3  -.1 93:  1
S001 1 1514 TIE40405    -.0074 -.0031 -.0120 -.0051 -.0133 -.0020  -.5 -1.2  -.2 97:  1
S005 1 GOMA TIE40405    -.0382 -.0472  .0091 -.0129 -.0268  .0537  -.5 -1.1  2.2 97:  1
S005 1 GOMA D GRGS      -.0011 -.0021  .0293  .0000  .0226  .0189   .0  1.0   .7 95:272
S005 1 GOMA D9 IGN       .0854 -.0137  .0144  .0824  .0269 -.0132  2.4  1.0  -.4 95:242
S005 1 GOMA C GRIM       .0416 -.0066 -.0036  .0401  .0045 -.0126  1.1   .2  -.4 94:  1
S005 1 GOMA C1 CSR       .0424  .0116  .0010  .0326  .0178 -.0235  2.4  1.7 -2.0 95:251
S009 1 7222 TIE40405     .0043  .0097 -.0110 -.0006 -.0028 -.0150  -.1  -.3 -1.3 97:  1
S009 1 7222 R GIUB      -.0028 -.0036  .0032 -.0008  .0000  .0055  -.3   .0  1.5 92:306
S009 1 7222 R GSFC      -.0008  .0018 -.0013 -.0015 -.0004 -.0018 -1.9  -.3 -1.6 90:218
S009 1 7222 R SHA       -.0057 -.0042  .0031 -.0032 -.0011  .0069 -1.3  -.3  2.2 95:361
S009 2 7222 R GIUB      -.0025 -.0016 -.0007 -.0015 -.0021  .0016  -.2  -.2   .1 97:  1
S009 2 7222 R GSFC      -.0027 -.0037  .0044 -.0007  .0009  .0062  -.2   .2  1.1 97:  1
S009 2 7222 R SHA       -.0035 -.0037  .0024 -.0014 -.0009  .0053  -.4  -.2  1.0 97:  1
S014 1 1513 TIE40405    -.0305 -.0365  .0150 -.0108 -.0145  .0464  -.4  -.6  1.9 97:  1
S014 1 1513 R GIUB      -.0075 -.0095  .0108 -.0024  .0019  .0159  -.3   .2  1.4 90:111
S014 1 1513 R GSFC      -.0075 -.0073  .0052 -.0034 -.0014  .0110  -.7  -.2  1.7 89: 12
S014 1 1513 R SHA       -.0100 -.0133  .0133 -.0030  .0014  .0211  -.4   .1  2.2 90:269
S019 1 1515 TIE40405    -.0074 -.0026 -.0135 -.0055 -.0143 -.0031  -.5 -1.3  -.3 97:  1
S019 1 1515 R GIUB       .0046 -.0077  .0118  .0076  .0068  .0107   .5   .3   .5 89:289
S019 1 1515 R GSFC      -.0048 -.0070  .0067 -.0011  .0006  .0108  -.2   .0  1.0 88:221
S019 1 1515 R SHA        .0019 -.0084  .0090  .0055  .0035  .0106   .6   .3   .9 92:187
S019 2 1515 R GIUB       .0025  .0007  .0011  .0019  .0020 -.0008   .5   .4  -.2 97:  1
S019 2 1515 R GSFC       .0011  .0007  .0004  .0006  .0009 -.0007   .3   .4  -.3 97:  1
S019 2 1515 R SHA        .0009 -.0004  .0004  .0010  .0004  .0002   .5   .1   .1 97:  1
S028 1 GOLD TIE40405     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S031 1 GOLD P CODE       .0045  .0020  .0058  .0031  .0070  .0002  1.1  1.8   .1 97:323
S031 1 GOLD P GFZ       -.0023 -.0001 -.0031 -.0020 -.0032 -.0009  -.8 -1.0  -.3 97:166
S031 1 GOLD P IGS        .0014  .0011 -.0013  .0008 -.0001 -.0021   .8  -.1 -1.7 98:105
S031 1 GOLD P NCL       -.0005  .0003 -.0005 -.0006 -.0004 -.0003  -.3  -.2  -.1 97:341
S031 1 GOLD P NOAA      -.0013 -.0033  .0025  .0003  .0000  .0043   .2   .0  1.8 97:255
S031 1 GOLD P2 JPL      -.0012  .0008  .0014 -.0014  .0013  .0007  -.5   .4   .2 95:167
S031 2 GOLD P GFZ       -.0016  .0012 -.0026 -.0020 -.0020 -.0018  -.9  -.7  -.6 98: 14
S031 2 GOLD P2 JPL       .0073 -.0020  .0030  .0074  .0033  .0005   .3   .1   .0 99:218
S035 1 GOLA TIE40405    -.0022 -.0002  .0024 -.0019  .0013  .0023  -.6   .4   .7 97:  1
S035 1 GOLA D GRGS       .0314 -.0178 -.0063  .0360 -.0061 -.0023   .8  -.2  -.1 93:352
S035 1 GOLA D9 IGN       .0945 -.0199  .0006  .0933  .0149 -.0200  2.0   .4  -.5 93:361
S035 1 GOLA C GRIM       .0489 -.0113 -.0392  .0487 -.0250 -.0325  1.6 -1.1 -1.3 93:  1
S035 1 GOLA C1 CSR       .0343  .0066 -.0234  .0276 -.0067 -.0310  1.7  -.5 -2.3 93:278
S037 1 GOMB TIE40405    -.0378 -.0469  .0094 -.0126 -.0263  .0535  -.5 -1.1  2.2 97:  1
S037 1 GOMB D GRGS      -.0006  .0133  .0199 -.0066  .0230  .0020  -.2   .9   .1 98: 19
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S037 1 GOMB D9 IGN       .0728  .0035  .0126  .0635  .0311 -.0220  1.9  1.1  -.8 98:248
S037 1 GOMB C GRIM       .0239  .0330  .0089  .0064  .0305 -.0277   .2  1.6 -1.3 97:345
S037 1 GOMB C1 CSR       .0199  .0183 -.0033  .0095  .0119 -.0226   .9  1.5 -2.6 98:201

Velocities
M001 1 7085 L4 CSR       .9785 1.2333 -.4164  .3150  .5547-1.4983   .1   .2  -.5
M002 1 7115 L4 CSR      -.0520 -.0088  .0130 -.0425 -.0075  .0331  -.9  -.1   .6
M006 1 7265 L4 CSR       .0943  .1382 -.1633  .0216 -.0373 -.2298   .0   .0  -.2
M006 1 7265 L DEOS      -.0011  .0125  .0173 -.0066  .0203  .0014   .0   .0   .0
M013 1 7288 R GSFC       .0402 -.1760  .0313  .1154 -.0547  .1313   .1   .0   .1
M013 1 7288 R SHA       -.0045  .0057  .0083 -.0066  .0085  .0023   .0   .0   .0
M013 1 7288 L CGS       -.0259  .0155 -.0093 -.0301 -.0063 -.0071  -.6  -.1  -.1
M013 1 7288 L CRL       -.0207  .0131  .0131 -.0243  .0121  .0057  -.5   .2   .1
M013 1 7288 L4 CSR      -.0022  .0001 -.0076 -.0020 -.0067 -.0037  -.2  -.5  -.2
M013 1 7288 L DEOS      -.0278  .0055 -.0100 -.0273 -.0126  .0004  -.9  -.5   .0
M013 1 7288 C GRIM      -.1271  .0632 -.0031 -.1419 -.0032 -.0009  -.1   .0   .0
S005 1 GOMA D GRGS       .0075 -.0042  .0008  .0086  .0004  .0007   .3   .0   .0
S005 1 GOMA D9 IGN       .0155  .0029 -.0059  .0126  .0007 -.0112   .2   .0  -.2
S005 1 GOMA C GRIM      -.1273  .0631 -.0031 -.1420 -.0032 -.0009  -.1   .0   .0
S005 1 GOMA C1 CSR       .0322 -.0147  .0083  .0353  .0076  .0037  1.6   .4   .2
S009 1 7222 R GIUB      -.0007 -.0009  .0000 -.0002 -.0006  .0009  -.2  -.5   .8
S009 1 7222 R GSFC      -.0008 -.0010  .0009 -.0002  .0000  .0015  -.7   .0  2.9
S009 1 7222 R SHA       -.0010 -.0009  .0003 -.0004 -.0005  .0012  -.4  -.4  1.0
S009 2 7222 R GIUB      -.0157  .0047 -.0073 -.0162 -.0076 -.0019   .0   .0   .0
S009 2 7222 R GSFC      -.0362 -.0221  .0021 -.0223 -.0192  .0307   .0   .0   .0
S009 2 7222 R SHA       -.0181  .0048 -.0040 -.0183 -.0055  .0009   .0   .0   .0
S014 1 1513 R GIUB      -.0079 -.0080  .0051 -.0034 -.0020  .0116  -.6  -.2  1.5
S014 1 1513 R GSFC      -.0017 -.0027  .0029 -.0003  .0005  .0043  -.2   .2  2.0
S014 1 1513 R SHA       -.0019 -.0030  .0026 -.0004  .0001  .0044  -.2   .0  1.8
S019 1 1515 R GIUB       .0019  .0012 -.0012  .0012  .0001 -.0023   .7   .1 -1.1
S019 1 1515 R GSFC       .0014  .0010 -.0006  .0008  .0004 -.0016   .9   .3 -1.3
S019 1 1515 R SHA        .0015 -.0003 -.0001  .0014  .0001 -.0004  1.1   .1  -.2
S019 2 1515 R GIUB      -.0157  .0047 -.0073 -.0162 -.0076 -.0019   .0   .0   .0
S019 2 1515 R GSFC      -.0363 -.0221  .0021 -.0223 -.0193  .0306   .0   .0   .0
S019 2 1515 R SHA       -.0181  .0048 -.0040 -.0183 -.0055  .0009   .0   .0   .0
S031 1 GOLD P CODE       .0019 -.0027 -.0004  .0029 -.0012  .0011  1.6  -.5   .4
S031 1 GOLD P GFZ        .0032 -.0001 -.0003  .0029  .0005 -.0013  2.5   .4 -1.0
S031 1 GOLD P IGS        .0029  .0004  .0003  .0024  .0012 -.0011  2.9  1.3 -1.2
S031 1 GOLD P NCL       -.0001 -.0024  .0019  .0010  .0002  .0029   .6   .1  1.5
S031 1 GOLD P NOAA       .0044  .0041 -.0024  .0021  .0013 -.0060  1.3   .8 -3.4
S031 1 GOLD P2 JPL       .0002 -.0009  .0011  .0006  .0005  .0012   .3   .3   .6
S031 2 GOLD P GFZ        .0030  .0005  .0000  .0024  .0011 -.0015  2.2   .9 -1.1
S031 2 GOLD P2 JPL       .0012  .0002  .0003  .0010  .0007 -.0004   .5   .3  -.2
S035 1 GOLA D GRGS       .0075 -.0042  .0007  .0086  .0004  .0007   .3   .0   .0
S035 1 GOLA D9 IGN       .0450 -.0213  .0126  .0498  .0111  .0061   .7   .2   .1
S035 1 GOLA C GRIM      -.1271  .0632 -.0031 -.1420 -.0032 -.0009  -.1   .0   .0
S035 1 GOLA C1 CSR      -.0084 -.0026  .0183 -.0063  .0113  .0156  -.2   .5   .6
S037 1 GOMB D GRGS       .0074 -.0042  .0007  .0085  .0003  .0008   .3   .0   .0
S037 1 GOMB D9 IGN      -.0024 -.0036  .0060 -.0005  .0024  .0069   .0   .1   .3
S037 1 GOMB C GRIM      -.0084  .0077  .0052 -.0110  .0060  .0005 -1.2   .6   .0
S037 1 GOMB C1 CSR       .0031 -.0005 -.0036  .0030 -.0024 -.0028   .3  -.3  -.3

40406 SAN FRANCISCO (P

Positions
M001 1 7252 R GSFC       .0015  .0047 -.0039 -.0013 -.0001 -.0062  -.1   .0  -.5 87:218
M001 1 7252 R SHA        .0019  .0032  .0002 -.0001  .0025 -.0028   .0   .2  -.2 87:275
M001 2 7252 R GSFC       .0025  .0047 -.0029 -.0004  .0010 -.0060   .0   .0  -.1 97:  1
M001 2 7252 R SHA       -.0013  .0037 -.0019 -.0031  .0000 -.0031  -.1   .0  -.1 97:  1

Velocities
M001 1 7252 R GSFC       .0003  .0001  .0001  .0002  .0002 -.0001   .0   .0   .0
M001 1 7252 R SHA       -.0001  .0005 -.0006 -.0003 -.0003 -.0007   .0   .0  -.1
M001 2 7252 R GSFC      -.0404 -.0002  .0095 -.0340 -.0059  .0231   .0   .0   .0
M001 2 7252 R SHA       -.0226  .0260  .0042 -.0330  .0093 -.0051   .0   .0   .0

40407 PINYON FLATS

Positions
M001 1 7256 TIE40407     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
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M001 1 7256 R GSFC       .0020  .0050 -.0029 -.0004  .0006 -.0061   .0   .0  -.4 87: 54
M001 1 7256 R SHA        .0048  .0077  .0012  .0009  .0060 -.0069   .1   .4  -.4 87:301
M003 1 PIN1 TIE40407     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M004 1 PIN2 TIE40407     .0015  .0012  .0026  .0008  .0031  .0000   .2  1.0   .0 97:  1
M004 1 PIN2 P2 JPL      -.0440 -.0244 -.0081 -.0285 -.0297  .0300 -1.0 -1.0   .9 99:271

Velocities
M001 1 7256 R GSFC       .0031  .0051  .0006  .0005  .0038 -.0046   .1   .4  -.5
M001 1 7256 R SHA        .0007  .0004  .0044  .0004  .0040  .0018   .1   .6   .3
M004 1 PIN2 P2 JPL       .0036 -.0017  .0038  .0040  .0033  .0020   .5   .4   .2

40408 FAIRBANKS

Positions
M001 1 FAIR TIE40408     .0184  .0178 -.0155 -.0051  .0162 -.0246  -.5  1.6 -2.4 97:  1
M001 1 FAIR P CODE       .0049  .0009  .0025  .0018  .0053  .0004   .8  1.8   .1 97:299
M001 1 FAIR P GFZ       -.0009  .0029 -.0061 -.0029 -.0019 -.0058 -1.6  -.8 -1.6 97:296
M001 1 FAIR P IGS       -.0011 -.0003  .0003 -.0004 -.0009  .0007  -.4  -.8   .5 98:124
M001 1 FAIR P1 JPL      -.0014 -.0016  .0021  .0006 -.0009  .0028   .4  -.4   .9 98: 25
M001 1 FAIR P NOAA       .0023 -.0033  .0039  .0040  .0018  .0035  1.6   .6  1.0 98: 18
M001 1 FAIR P CORS       .0014 -.0011 -.0003  .0016  .0004 -.0005  1.0   .2  -.2 98:  9
M001 1 FAIR P GIA        .0020  .0001 -.0016  .0010  .0009 -.0022   .6   .5 -1.1 97: 24
S002 1 7225 TIE40408     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S002 1 7225 R GIUB       .0027  .0003 -.0004  .0012  .0020 -.0014   .6  1.0  -.6 95:299
S002 1 7225 R GSFC       .0007  .0002  .0009  .0002  .0010  .0005   .3  1.6   .6 94: 88
S002 1 7225 R SHA        .0006 -.0009  .0011  .0011  .0005  .0009   .8   .4   .6 96:338
S004 1 FAIA TIE40408     .0069  .0095  .0031 -.0043  .0112 -.0018  -.8  2.0  -.4 97:  1
S004 1 FAIA D9 IGN       .0009 -.0086 -.0061  .0077 -.0060 -.0039   .5  -.4  -.2 96:  3
S004 1 FAIA C GRIM       .0212 -.0023 -.0155  .0134  .0085 -.0211  1.5  1.1 -3.0 95:334
S004 1 FAIA C1 CSR      -.0149 -.0073 -.0010 -.0019 -.0153  .0060  -.5 -3.5  1.4 96: 45
S005 1 FAIB TIE40408     .0072  .0098  .0032 -.0044  .0116 -.0019  -.6  1.5  -.3 97:  1
S005 1 FAIB C1 CSR      -.0127 -.0092 -.0046  .0009 -.0162  .0025   .0  -.5   .1  0: 38

Velocities
M001 1 FAIR P CODE      -.0030 -.0023  .0043  .0003 -.0016  .0055   .2  -.9  1.9
M001 1 FAIR P GFZ       -.0019 -.0005  .0061 -.0006  .0009  .0064  -.8   .8  4.0
M001 1 FAIR P IGS       -.0020 -.0004  .0042 -.0007  .0000  .0046 -1.1   .0  3.9
M001 1 FAIR P1 JPL      -.0018 -.0004  .0005 -.0006 -.0014  .0012  -.6 -1.0   .6
M001 1 FAIR P NOAA      -.0025 -.0005  .0025 -.0009 -.0011  .0033  -.5  -.5  1.1
M001 1 FAIR P CORS      -.0008  .0003  .0007 -.0007 -.0002  .0008  -.5  -.1   .3
M001 1 FAIR P GIA       -.0005 -.0002  .0014 -.0001  .0001  .0014  -.1   .1  1.1
S002 1 7225 R GIUB       .0005 -.0001 -.0004  .0003  .0001 -.0005   .4   .2  -.6
S002 1 7225 R GSFC       .0003  .0001 -.0001  .0000  .0002 -.0002   .3  1.5  -.9
S002 1 7225 R SHA        .0001 -.0002 -.0002  .0002 -.0001 -.0002   .2  -.1  -.2
S004 1 FAIA D9 IGN       .0014 -.0030 -.0033  .0033 -.0018 -.0028   .4  -.2  -.3
S004 1 FAIA C GRIM       .0019  .0059 -.0002 -.0040  .0043 -.0022  -.9  1.0  -.6
S004 1 FAIA C1 CSR      -.0011 -.0019 -.0017  .0011 -.0025 -.0007   .5 -1.1  -.3
S005 1 FAIB C1 CSR      -.1976 -.2177 -.3400  .0775 -.4008 -.1880   .1  -.4  -.2

40410 POINT REYES

Positions
M001 1 7251 R GSFC       .0012  .0047 -.0036 -.0015  .0000 -.0058  -.1   .0  -.5 88:348
M001 1 7251 R SHA        .0003  .0015  .0014 -.0005  .0020 -.0003   .0   .1   .0 89:  4

Velocities
M001 1 7251 R GSFC      -.0001 -.0003  .0000  .0001 -.0002  .0003   .0   .0   .0
M001 1 7251 R SHA       -.0004  .0000 -.0001 -.0003 -.0002  .0001  -.1   .0   .0

40412 AUSTIN

Positions
M003 1 7271 R GSFC      -.0001  .0007 -.0015 -.0002 -.0009 -.0013   .0   .0   .0 87:192
M003 1 7271 R SHA       -.0012 -.0003  .0019 -.0012  .0014  .0014  -.1   .0   .0 87:192

Velocities
M003 1 7271 R GSFC       .0178 -.0024  .1041  .0180  .0898  .0526   .0   .0   .0
M003 1 7271 R SHA       -.0003  .0000 -.0017 -.0003 -.0015 -.0009   .0   .0   .0

40416 YAKATAGA
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Positions
M001 1 7277 R GSFC      -.0020 -.0004  .0009 -.0009 -.0011  .0017  -.1  -.1   .1 86:342
M001 1 7277 R SHA        .0007  .0012  .0025 -.0005  .0024  .0015   .0   .1   .1 86:360
M001 2 7277 R GSFC      -.0040 -.0024  .0103 -.0005  .0011  .0113   .0   .0   .1 97:  1
M001 2 7277 R SHA        .0042  .0024 -.0073  .0006  .0006 -.0087   .0   .0  -.1 97:  1

Velocities
M001 1 7277 R GSFC      -.0005 -.0003  .0014  .0000  .0002  .0015   .0   .0   .1
M001 1 7277 R SHA        .0006  .0003 -.0014  .0001 -.0001 -.0015   .0   .0  -.1
M001 2 7277 R GSFC      -.0408 -.0031  .0291 -.0224 -.0152  .0423   .0   .0   .0
M001 2 7277 R SHA       -.0250  .0202  .0282 -.0313  .0075  .0282   .0   .0   .0

40419 KODIAK

Positions
M001 1 7278 R GSFC       .0009  .0000  .0017  .0004  .0016  .0010   .0   .1   .1 88:250
M001 1 7278 R SHA        .0008  .0010  .0028 -.0005  .0025  .0017   .0   .2   .1 88:288
S001 1 KOD1 P CORS      -.0001  .0036 -.0013 -.0032  .0007 -.0019 -1.6   .3  -.7 97:364
S001 1 KOD1 P GIA        .0009 -.0010  .0000  .0013  .0003 -.0001   .7   .1  -.1 97:186

Velocities
M001 1 7278 R GSFC       .0031  .0020  .0022 -.0003  .0043 -.0001  -.1   .4   .0
M001 1 7278 R SHA        .0036  .0019  .0014  .0000  .0042 -.0010   .0   .4  -.1
S001 1 KOD1 P CORS      -.0008 -.0014 -.0001  .0009 -.0012  .0006   .5  -.6   .3
S001 1 KOD1 P GIA       -.0004  .0003  .0005 -.0005  .0001  .0006  -.3   .0   .3

40420 VANDENBERG AFB

Positions
M002 1 7223 TIE40420     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7223 R GSFC       .0011  .0049 -.0040 -.0015 -.0006 -.0062  -.3  -.1 -1.0 88:292
M002 1 7223 R SHA        .0013  .0061 -.0024 -.0019  .0013 -.0063  -.3   .2  -.7 92: 20
M007 1 VNDP TIE40420    -.0039  .0029 -.0002 -.0048  .0001 -.0005 -1.5   .0  -.2 97:  1
M007 1 VNDP P2 JPL       .0019 -.0024  .0009  .0028  .0001  .0015   .9   .0   .4 97:361
M101 1 HARV P2 JPL       .0003  .0002  .0000  .0002  .0002 -.0003   .0   .1  -.1 97:326

Velocities
M002 1 7223 R GSFC       .0001  .0005 -.0002 -.0002  .0001 -.0006  -.1   .1  -.4
M002 1 7223 R SHA       -.0002  .0004 -.0006 -.0004 -.0003 -.0006  -.2  -.2  -.3
M007 1 VNDP P2 JPL      -.0009 -.0025  .0019  .0005  .0000  .0032   .2   .0  1.1
M101 1 HARV P2 JPL       .0002 -.0002  .0001  .0003  .0000  .0002   .1   .0   .1

40421 NOME

Positions
M001 1 7279 R GSFC      -.0017 -.0011  .0021  .0007 -.0008  .0027   .1   .0   .1 87:257
M001 1 7279 R SHA       -.0008  .0013  .0013 -.0015  .0001  .0013  -.1   .0   .0 87:279

Velocities
M001 1 7279 R GSFC       .0005  .0002 -.0001 -.0001  .0005 -.0004   .0   .1   .0
M001 1 7279 R SHA        .0001 -.0004  .0009  .0004  .0003  .0008   .1   .0   .1

40423 SANDPOINT

Positions
M001 1 7280 R GSFC      -.0006 -.0006  .0031  .0004  .0011  .0029   .0   .1   .1 89: 85
M001 1 7280 R SHA       -.0008  .0004  .0022 -.0006  .0008  .0022   .0   .0   .1 89:104

Velocities
M001 1 7280 R GSFC       .0003  .0003 -.0001 -.0002  .0003 -.0003   .0   .0   .0
M001 1 7280 R SHA        .0006  .0004 -.0008 -.0002  .0001 -.0011   .0   .0  -.1

40424 KAUAI

Positions
M004 1 KOKB TIE40424     .0060  .0015  .0003  .0007  .0026 -.0056   .2   .8 -1.8 97:  1
M004 1 KOKB P CODE      -.0043 -.0039  .0077  .0021  .0051  .0079   .6  1.1  1.8 98: 10
M004 1 KOKB P GFZ       -.0009  .0012 -.0001 -.0014 -.0003  .0004  -.5  -.1   .1 97:289
M004 1 KOKB P IGS       -.0047 -.0009  .0023 -.0008  .0003  .0052  -.6   .3  3.1 98:167
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M004 1 KOKB P1 JPL       .0012  .0037 -.0020 -.0031 -.0009 -.0030 -1.7  -.6 -1.2 96:172
M004 1 KOKB P NCL       -.0033  .0020  .0010 -.0031  .0001  .0026  -.5   .0   .3 96:307
M004 1 KOKB P NOAA      -.0052  .0010  .0011 -.0027 -.0007  .0046  -.6  -.2   .9 98: 25
M004 1 KOKB P CORS      -.0037  .0003  .0006 -.0015 -.0007  .0033  -.5  -.3   .8 98:104
S001 1 1311 TIE40424     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 1311 R GIUB      -.0001  .0003  .0015 -.0003  .0014  .0006  -.1   .3   .2 93:117
S001 1 1311 R GSFC      -.0012 -.0013  .0012  .0008  .0005  .0019   .6   .3  1.1 92: 24
S001 1 1311 R SHA        .0028 -.0044 -.0042  .0051 -.0035 -.0026  1.6 -1.0  -.7 95:278
S007 1 7298 TIE40424     .0005  .0021 -.0011 -.0018 -.0006 -.0016  -.5  -.2  -.4 97:  1
S007 1 7298 R GSFC       .0026  .0001  .0002  .0008  .0011 -.0022   .6   .7 -1.2 95:202
S007 1 7298 R SHA        .0030 -.0004  .0001  .0014  .0011 -.0024   .7   .5 -1.1 96:300
S008 1 KOKA TIE40424    -.0041 -.0046  .0011  .0029 -.0010  .0055   .4  -.2  1.0 97:  1
S008 1 KOKA D GRGS      -.0030  .0312 -.0270 -.0303 -.0219 -.0176 -1.4 -1.8 -1.1 96: 14
S008 1 KOKA D9 IGN       .0240 -.0073  .0013  .0152  .0088 -.0180   .7   .6 -1.0 96:148
S008 1 KOKA C GRIM       .0395  .0040 -.0200  .0100 -.0041 -.0431   .4  -.4 -3.1 95:362

Velocities
M004 1 KOKB P CODE       .0020  .0006 -.0020  .0002 -.0011 -.0027   .1  -.4  -.9
M004 1 KOKB P GFZ        .0004  .0008  .0007 -.0006  .0009 -.0003  -.6  1.1  -.5
M004 1 KOKB P IGS        .0040  .0019 -.0007 -.0004  .0010 -.0044  -.4  1.1 -3.5
M004 1 KOKB P1 JPL      -.0018 -.0021  .0022  .0013  .0012  .0031  1.5  1.5  2.7
M004 1 KOKB P NCL        .0077  .0030 -.0024 -.0001  .0009 -.0085  -.1   .4 -2.9
M004 1 KOKB P NOAA       .0024  .0004 -.0005  .0005  .0004 -.0025   .1   .1  -.5
M004 1 KOKB P CORS       .0041  .0018 -.0016 -.0003  .0002 -.0048  -.1   .1 -1.3
S001 1 1311 R GIUB      -.0001 -.0007 -.0006  .0006 -.0007  .0001   .5  -.5   .1
S001 1 1311 R GSFC       .0007 -.0011 -.0011  .0012 -.0010 -.0007  2.3 -1.3  -.9
S001 1 1311 R SHA        .0007 -.0008 -.0017  .0010 -.0015 -.0010   .8 -1.0  -.8
S007 1 7298 R GSFC       .0006  .0009 -.0003 -.0007  .0001 -.0009 -2.4   .2 -2.8
S007 1 7298 R SHA        .0009  .0000 -.0004  .0003 -.0001 -.0009   .2  -.1  -.9
S008 1 KOKA D GRGS       .0011 -.0033 -.0009  .0035 -.0009 -.0002   .3  -.1   .0
S008 1 KOKA D9 IGN       .0026 -.0031 -.0014  .0038 -.0008 -.0018   .4  -.1  -.2
S008 1 KOKA C GRIM       .0004  .0117  .0030 -.0109  .0044 -.0029 -1.1   .9  -.4

40425 SOURDOUGH

Positions
M001 1 7281 R GSFC      -.0009 -.0002  .0000 -.0003 -.0008  .0004   .0  -.1   .0 86: 15
M001 1 7281 R SHA       -.0009  .0006  .0042 -.0010  .0016  .0039  -.1   .1   .2 86: 41
M001 2 7281 R GSFC       .0076  .0028 -.0025  .0020  .0058 -.0058   .0   .1   .0 97:  1
M001 2 7281 R SHA       -.0046 -.0021  .0043 -.0009 -.0024  .0061   .0   .0   .0 97:  1

Velocities
M001 1 7281 R GSFC       .0010  .0004 -.0004  .0002  .0008 -.0008   .0   .1   .0
M001 1 7281 R SHA       -.0005 -.0003  .0002 -.0001 -.0005  .0004   .0   .0   .0
M001 2 7281 R GSFC      -.0445 -.0217 -.0181 -.0073 -.0518  .0064   .0   .0   .0
M001 2 7281 R SHA       -.0289  .0015 -.0184 -.0176 -.0289 -.0058   .0   .0   .0

40426 CAP CANAVERAL I

Positions
S001 1 CCV1 P CORS      -.0001  .0004  .0001  .0000  .0003 -.0003   .0   .1  -.1 97:149

Velocities
S001 1 CCV1 P CORS       .0001  .0001  .0000  .0001  .0000 -.0001   .0   .0   .0

40427 FORT ORD

Positions
M001 1 7266 R GSFC       .0005  .0031 -.0020 -.0012  .0001 -.0035  -.1   .0  -.2 87: 40
M001 1 7266 R SHA        .0026  .0040  .0007  .0001  .0035 -.0034   .0   .2  -.2 87: 69
M002 1 7241 R GSFC       .0011  .0052 -.0040 -.0018 -.0003 -.0064  -.1   .0  -.3 89: 33
M002 1 7241 R SHA        .0013  .0029  .0001 -.0004  .0020 -.0025   .0   .1  -.1 89: 47
M002 2 7241 R GSFC       .0097  .0113 -.0340  .0023 -.0185 -.0321   .0  -.2  -.3 97:  1
M002 2 7241 R SHA        .0094  .0065 -.0332  .0046 -.0204 -.0282   .1  -.2  -.3 97:  1

Velocities
M001 1 7266 R GSFC       .0002  .0004  .0009 -.0001  .0010  .0002   .0   .1   .0
M001 1 7266 R SHA       -.0012 -.0007  .0019 -.0007  .0008  .0021  -.1   .1   .2
M002 1 7241 R GSFC       .0013  .0010 -.0046  .0006 -.0027 -.0040   .0  -.2  -.2
M002 1 7241 R SHA        .0012  .0005 -.0049  .0008 -.0033 -.0037   .1  -.2  -.2
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M002 2 7241 R GSFC      -.0512  .0001  .0298 -.0436  .0080  .0393   .0   .0   .0
M002 2 7241 R SHA       -.0333  .0265  .0243 -.0422  .0225  .0104   .0   .0   .0

40428 SANTA PAULA I

Positions
M001 1 7255 R GSFC       .0001  .0026 -.0016 -.0012  .0000 -.0028  -.1   .0  -.1 88:343
M001 1 7255 R SHA        .0013  .0032  .0001 -.0004  .0020 -.0028   .0   .1  -.1 88:346

Velocities
M001 1 7255 R GSFC       .0022  .0037 -.0027  .0001  .0002 -.0050   .0   .0  -.3
M001 1 7255 R SHA       -.0007 -.0001 -.0005 -.0006 -.0006  .0000  -.1  -.1   .0

40429 ALBUQUERQUE

Positions
S001 1 7884 L AUS        .0073  .0105  .0050  .0041  .0110 -.0071   .1   .2  -.1 96:357
S001 1 7884 L CGS        .0452  .0377 -.0164  .0326  .0146 -.0496  1.1   .3 -1.0 97:  1
S001 1 7884 L4 CSR       .0321 -.0168  .0077  .0355  .0023  .0101   .4   .0   .1 96:327
S001 1 7884 L DEOS       .0691  .0120  .0103  .0629  .0263 -.0196   .1   .0   .0 94:137
S001 1 7884 L JCET      -.0027 -.0036 -.0035 -.0016 -.0053  .0014  -.2  -.6   .2 96: 56
S001 1 7884 C1 CSR       .0228  .0286 -.0026  .0138  .0173 -.0293   .4   .3  -.5 96:314

Velocities
S001 1 7884 L AUS        .0160  .0186 -.0063  .0101  .0077 -.0220   .2   .1  -.4
S001 1 7884 L CGS        .0013  .0231 -.0021 -.0053  .0112 -.0197   .0   .0   .0
S001 1 7884 L4 CSR       .0493  .0538 -.0352  .0320  .0087 -.0739   .2   .0  -.3
S001 1 7884 L DEOS      -.0069 -.0053 -.0145 -.0051 -.0159 -.0025   .0  -.1   .0
S001 1 7884 L JCET       .0272  .0340  .0067  .0165  .0286 -.0292  1.6  1.9 -2.0
S001 1 7884 C1 CSR       .0462  .0479 -.0226  .0307  .0153 -.0614   .2   .0  -.2

40430 BLACK BUTTE

Positions
M001 1 7269 R GSFC       .0013  .0059 -.0050 -.0014 -.0009 -.0076  -.1  -.1  -.4 87: 93
M001 1 7269 R SHA        .0026  .0060 -.0017 -.0002  .0022 -.0063   .0   .1  -.3 87: 73

Velocities
M001 1 7269 R GSFC       .0006  .0006 -.0001  .0003  .0004 -.0007   .0   .0   .0
M001 1 7269 R SHA       -.0014 -.0032  .0027  .0001  .0003  .0044   .0   .0   .3

40431 DEADMAN LAKE

Positions
M001 1 7267 R GSFC      -.0021 -.0012  .0007 -.0013 -.0005  .0021   .0   .0   .0 87:248
M001 1 7267 R SHA        .0027  .0055 -.0010  .0000  .0026 -.0057   .0   .1  -.2 87:255

Velocities
M001 1 7267 R GSFC       .0162  .0335 -.0250 -.0003  .0003 -.0448   .0   .0  -.5
M001 1 7267 R SHA       -.0055 -.0109  .0083 -.0001  .0000  .0147   .0   .0   .3

40432 ELY

Positions
M001 1 7286 R GSFC       .0000  .0026 -.0015 -.0011  .0004 -.0028  -.1   .0  -.2 88:103
M001 1 7286 R SHA        .0010  .0018  .0007  .0001  .0018 -.0011   .0   .1  -.1 88:129

Velocities
M001 1 7286 R GSFC       .0007  .0017 -.0017 -.0001 -.0001 -.0025   .0   .0  -.2
M001 1 7286 R SHA       -.0009 -.0005  .0008 -.0006  .0000  .0012  -.1   .0   .1

40433 QUINCY

Positions
M001 1 7051 TIE40433    -.0001 -.0007 -.0008  .0002 -.0011  .0000   .1  -.3   .0 97:  1
M001 1 7051 L4 CSR      -.0549 -.0449  .1331 -.0240  .0592  .1367  -.2   .4  1.0 81: 69
M002 1 7109 TIE40433     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7109 L AUS       -.0024  .0114  .0011 -.0079  .0063 -.0058  -.6   .5  -.5 94:132
M002 1 7109 L CGS        .0130 -.0011  .0017  .0117  .0050 -.0033  1.8   .9  -.6 92:283
M002 1 7109 L CRL        .0097  .0031 -.0063  .0067  .0001 -.0099  1.0   .0 -1.4 91:237
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M002 1 7109 L4 CSR       .0065  .0041 -.0041  .0035  .0012 -.0079   .9   .2 -1.6 91:124
M002 1 7109 L DEOS       .0132 -.0040 -.0024  .0133  .0003 -.0041  1.9   .0  -.5 92: 90
M002 1 7109 L DGFI       .0068 -.0028 -.0097  .0073 -.0067 -.0071  1.2 -1.1 -1.1 93:  9
M002 1 7109 L JCET       .0000  .0020 -.0012 -.0010  .0002 -.0021  -.7   .1 -1.1 94:341
M002 1 7109 C GRIM       .0016 -.0047 -.0025  .0038 -.0040  .0008  1.4 -1.8   .4 91:291
M002 1 7109 C1 CSR       .0005  .0025 -.0058 -.0009 -.0029 -.0055  -.5 -1.3 -2.5 94:327
M004 1 7221 TIE40433    -.0002 -.0001 -.0002 -.0001 -.0003  .0000  -.1  -.2   .0 97:  1
M004 1 7221 R GSFC      -.0024  .0053 -.0070 -.0048 -.0032 -.0070  -.6  -.3  -.7 88:  3
M004 1 7221 R SHA       -.0017  .0036 -.0019 -.0033  .0000 -.0030  -.3   .0  -.2 88:130
M004 1 7221 P CODE       .0047  .0016  .0054  .0032  .0066  .0006  1.1  1.6   .2 97:230
M004 1 7221 P IGS        .0010  .0026 -.0033 -.0005 -.0007 -.0042  -.2  -.2 -1.3 97:267
M004 1 7221 P NCL        .0052  .0109 -.0095 -.0011  .0005 -.0153  -.2   .1 -2.2 96:184
M004 1 7221 P CORS      -.0015 -.0069  .0048  .0022 -.0007  .0082   .7  -.2  2.4 98: 17
M005 1 7886 TIE40433     .0004 -.0004  .0000  .0006  .0000  .0001   .2   .0   .0 97:  1
M005 1 7886 L4 CSR       .0077  .0827 -.0441 -.0359  .0143 -.0857  -.4   .1  -.8 84:197
M005 1 7886 L DEOS       .0057  .0316 -.0537 -.0114 -.0219 -.0575  -.1  -.2  -.5 93:  1

Velocities
M001 1 7051 L4 CSR       .0086 -.0584 -.0080  .0374 -.0355  .0298   .4  -.3   .3
M002 1 7109 L AUS       -.0008 -.0054 -.0014  .0021 -.0044  .0030   .3  -.6   .4
M002 1 7109 L CGS        .0000 -.0011 -.0023  .0005 -.0023 -.0008   .3 -1.8  -.5
M002 1 7109 L CRL       -.0008 -.0027 -.0023  .0007 -.0036  .0006   .2 -1.0   .2
M002 1 7109 L4 CSR       .0017 -.0019 -.0023  .0025 -.0023 -.0009  1.9 -1.7  -.6
M002 1 7109 L DEOS       .0027 -.0066 -.0053  .0058 -.0068 -.0001  1.4 -1.8   .0
M002 1 7109 L DGFI       .0004 -.0060 -.0006  .0034 -.0036  .0034  1.2 -1.3  1.2
M002 1 7109 L JCET      -.0010 -.0023  .0016  .0003 -.0003  .0029   .3  -.2  2.0
M002 1 7109 C GRIM      -.0046  .0034  .0017 -.0057  .0016  .0007 -2.1  1.1   .4
M002 1 7109 C1 CSR      -.0015 -.0011  .0014 -.0007  .0000  .0022  -.5   .0  1.3
M004 1 7221 R GSFC       .0004 -.0013  .0030  .0010  .0017  .0026   .2   .3   .4
M004 1 7221 R SHA        .0001 -.0013  .0022  .0008  .0010  .0022   .2   .2   .4
M004 1 7221 P CODE      -.0015 -.0051  .0007  .0014 -.0028  .0044   .7 -1.1  1.8
M004 1 7221 P IGS       -.0013 -.0052  .0034  .0015 -.0007  .0062   .6  -.2  1.9
M004 1 7221 P NCL       -.0015 -.0063  .0027  .0019 -.0019  .0065   .5  -.4  1.4
M004 1 7221 P CORS      -.0026 -.0044  .0027  .0000 -.0012  .0057   .0  -.4  1.7
M005 1 7886 L4 CSR      -.0285 -.0203 -.0121 -.0140 -.0299  .0168  -.1  -.2   .1
M005 1 7886 L DEOS       .0018  .0152  .0193 -.0063  .0237  .0017   .0   .0   .0

40434 MOUNT HOPKINS

Positions
M002 1 7888 L4 CSR      -.0188  .0172  .0270 -.0237  .0279  .0062  -.1   .1   .0 82: 56
S001 1 7921 L4 CSR      -.0528  .0392 -.0117 -.0632 -.0006 -.0213  -.5   .0  -.1 78: 50

Velocities
M002 1 7888 L4 CSR      -.0063  .0427  .1122 -.0211  .1152  .0269   .0   .1   .0
S001 1 7921 L4 CSR       .0137 -.0070  .0008  .0153 -.0002  .0018   .3   .0   .0

40436 SAN DIEGO - OTAY

Positions
M002 1 7062 TIE40436     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7062 L4 CSR      -.0797 -.0228  .0138 -.0608 -.0187  .0549  -.6  -.2   .4 81:313
M003 1 7035 TIE40436    -.0006  .0000 -.0004 -.0006 -.0004  .0000  -.2  -.1   .0 97:  1
M003 1 7035 L CGS       -.0087  .0064  .0159 -.0107  .0144  .0070  -.4   .4   .2 97:  1
M003 1 7035 L4 CSR       .0176  .0187 -.0017  .0073  .0119 -.0216   .1   .1  -.2 88:241
M003 1 7035 C GRIM       .0383 -.0110 -.0085  .0391 -.0032 -.0109  1.3  -.1  -.3 88:245

Velocities
M002 1 7062 L4 CSR       .0307  .0058 -.0382  .0247 -.0219 -.0366  1.0  -.8 -1.2
M003 1 7035 L CGS       -.0337  .0308  .0183 -.0440  .0220 -.0005   .0   .0   .0
M003 1 7035 L4 CSR       .1840  .1802 -.0926  .0828  .0533 -.2553   .1   .1  -.4
M003 1 7035 C GRIM       .0094  .0769  .0718 -.0263  .0997 -.0227   .0   .1   .0

40437 MAMMOTH LAKES

Positions
M001 1 7259 R GSFC       .0018  .0084 -.0042 -.0025  .0017 -.0090  -.1   .0  -.2 85:182
M001 1 7259 R SHA        .0008  .0024  .0045 -.0005  .0051  .0008   .0   .1   .0 85:206
M002 1 CASA P2 JPL       .0011  .0012  .0005  .0004  .0013 -.0009   .1   .2  -.1 99: 46
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Velocities
M001 1 7259 R GSFC      -.0055 -.0120  .0044  .0010 -.0046  .0131   .0  -.2   .4
M001 1 7259 R SHA       -.0065 -.0151  .0052  .0016 -.0059  .0161   .1  -.2   .6
M002 1 CASA P2 JPL      -.0003  .0019 -.0014 -.0012 -.0002 -.0021  -.2   .0  -.2

40438 BEAR LAKE

Positions
M001 1 7082 TIE40438     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7082 L4 CSR       .0811 -.3997 -.2232  .2214 -.3949  .1056  1.6 -1.6   .4 80:162
M002 1 7046 TIE40438     .0004 -.0012 -.0010  .0008 -.0014  .0000   .3  -.4   .0 97:  1
M002 1 7046 L CGS       -.0049 -.0259  .0386  .0049  .0114  .0450   .3   .5  1.9 91: 80
M002 1 7046 L4 CSR      -.0131 -.0333  .0332  .0000  .0008  .0488   .0   .0   .8 91: 65
M002 1 7046 L DEOS      -.0024  .0288  .0517 -.0128  .0558  .0153  -.2   .7   .2 92: 73
M002 1 7046 L DGFI      -.0120 -.0154  .0194 -.0055  .0019  .0269  -.2   .1  1.1 91:122
M002 1 7046 C GRIM      -.0194 -.0182  .0336 -.0114  .0089  .0403  -.6   .3  1.3 91:272

Velocities
M001 1 7082 L4 CSR       .0330  .0254 -.0646  .0214 -.0242 -.0697   .5  -.4 -1.1
M002 1 7046 L CGS       -.0275  .0288  .0411 -.0362  .0418  .0150 -1.2  1.0   .4
M002 1 7046 L4 CSR      -.0158  .0276  .0347 -.0248  .0391  .0083 -1.1  1.2   .2
M002 1 7046 L DEOS      -.0096  .0430  .0264 -.0247  .0440 -.0095  -.6  1.1  -.2
M002 1 7046 L DGFI      -.0130  .0332  .0268 -.0242  .0374 -.0015  -.9  1.3  -.1
M002 1 7046 C GRIM       .0176 -.0020 -.0338  .0171 -.0221 -.0260   .0   .0   .0

40439 OWENS VALLEY

Positions
M001 1 7114 TIE40439     .0002 -.0002 -.0001  .0003 -.0001  .0000   .1   .0   .0 97:  1
M001 1 7114 L4 CSR      -.0238  .0216  .0057 -.0312  .0093 -.0027  -.4   .1   .0 80:275
M003 1 7084 TIE40439     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M003 1 7084 L4 CSR       .2049  .9726 -.8302 -.2806 -.0841-1.2615  -.4  -.1 -1.4 78: 69
M004 1 7853 TIE40439     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M004 1 7853 R GSFC      -.0027  .0036 -.0022 -.0041 -.0006 -.0028  -.3   .0  -.2 87:306
M004 1 7853 R SHA       -.0021  .0016  .0027 -.0026  .0023  .0013  -.2   .1   .1 87:306
M004 1 7853 L CGS       -.0891  .0123  .0258 -.0842  .0015  .0406 -3.5   .1  1.8 97:  1
M004 1 7853 L4 CSR       .0051 -.0097 -.0311  .0091 -.0285 -.0140   .2  -.5  -.2 89: 18
M004 1 7853 L DEOS      -.0177 -.0669  .0701  .0161  .0151  .0960   .2   .1   .8 91:271
M004 1 7853 C GRIM       .0210  .0051 -.0350  .0160 -.0191 -.0327   .8  -.9 -1.5 88:328
S002 1 7207 TIE40439    -.0094 -.0197  .0085  .0011 -.0064  .0225   .2  -.7  2.6 97:  1
S002 1 7207 R GIUB       .0065  .0053 -.0018  .0032  .0032 -.0072   .3   .3  -.6 87:104
S002 1 7207 R GSFC       .0091  .0209 -.0189 -.0018 -.0013 -.0295  -.3  -.2 -3.8 86:320
S002 1 7207 R SHA        .0088  .0194 -.0182 -.0014 -.0016 -.0280  -.2  -.1 -2.5 91:168
S006 1 7616 R GIUB       .0028  .0021  .0002  .0014  .0021 -.0024   .7   .7  -.9 95:151
S006 1 7616 R GSFC      -.0005 -.0020  .0023  .0005  .0006  .0030   .5   .4  2.2 95:153
S006 1 7616 R SHA       -.0007 -.0028  .0025  .0007  .0003  .0037   .3   .1  1.4 96: 84

Velocities
M001 1 7114 L4 CSR       .0106  .0379 -.0107 -.0087  .0147 -.0371  -.2   .3  -.8
M003 1 7084 L4 CSR      -.0714 -.6290 -.8775  .2353-1.0542 -.0630   .1  -.4   .0
M004 1 7853 R GSFC      -.5460  .4527 -.0542 -.6953  .0414 -.1441  -.4   .0  -.1
M004 1 7853 R SHA       -.0213  .0213  .0032 -.0288  .0078 -.0049  -.1   .0   .0
M004 1 7853 L CGS       -.0291  .0123 -.0113 -.0315 -.0108 -.0045   .0   .0   .0
M004 1 7853 L4 CSR       .0079  .0327 -.0060 -.0086  .0149 -.0295  -.4   .5 -1.1
M004 1 7853 L DEOS      -.0036 -.0324  .0262  .0122  .0025  .0400   .3   .1  1.1
M004 1 7853 C GRIM      -.0051 -.0122  .0130  .0012  .0024  .0183   .0   .0   .3
S002 1 7207 R GIUB      -.0023 -.0053  .0009  .0005 -.0027  .0051   .1  -.4   .7
S002 1 7207 R GSFC      -.0001 -.0005 -.0001  .0001 -.0003  .0003   .1  -.3   .3
S002 1 7207 R SHA       -.0003 -.0001 -.0007 -.0002 -.0007 -.0002  -.2  -.5  -.1
S006 1 7616 R GIUB       .0000 -.0016  .0023  .0008  .0010  .0025   .7   .8  2.1
S006 1 7616 R GSFC       .0006  .0007 -.0005  .0002  .0001 -.0010   .9   .4 -3.7
S006 1 7616 R SHA       -.0009 -.0026  .0021  .0005  .0000  .0034   .4   .0  2.5

40440 WESTFORD

Positions
M001 1 7091 TIE40440     .0053  .0072 -.0012  .0073  .0026 -.0046  2.2   .6 -1.1 97:  1
M001 1 7091 L CGS       -.0060  .0207 -.0150  .0009  .0036 -.0260   .0   .1  -.7 90:288
M001 1 7091 L4 CSR      -.0211  .0135  .0123 -.0157  .0223 -.0060  -.5   .3  -.1 87:148
M001 1 7091 C GRIM       .0108  .0037 -.0062  .0115 -.0045 -.0043   .7  -.2  -.2 90: 21
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S002 1 7205 TIE40440     .0057  .0089 -.0014  .0082  .0035 -.0059  2.4   .8 -1.3 97:  1
S002 1 7205 R GIUB      -.0002 -.0034  .0017 -.0012 -.0009  .0035  -.3  -.2   .6 90:118
S002 1 7205 R GSFC      -.0015  .0012 -.0014 -.0011  .0001 -.0022  -.5   .0  -.4 89:127
S002 1 7205 R SHA       -.0051 -.0002 -.0022 -.0049 -.0006 -.0025 -1.3  -.1  -.4 94:343
S003 1 7209 TIE40440     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S003 1 7209 R GIUB       .0019  .0003  .0010  .0019  .0005  .0009   .9   .2   .4 95: 98
S003 1 7209 R GSFC       .0003  .0011 -.0006  .0007  .0002 -.0011  1.1   .2 -1.1 94:  3
S003 1 7209 R SHA        .0009  .0001  .0011  .0009  .0006  .0009   .7   .4   .6 96:332
S020 1 WES2 TIE40440    -.0068  .0117 -.0103 -.0027  .0014 -.0168  -.6   .2 -2.8 97:  1
S020 1 WES2 P CODE       .0032 -.0040  .0134  .0018  .0066  .0126   .7  1.8  3.5 97:302
S020 1 WES2 P GFZ       -.0021 -.0030 -.0008 -.0030 -.0020  .0010 -1.6  -.8   .4 97:351
S020 1 WES2 P IGS        .0017  .0001 -.0015  .0017 -.0014 -.0007  1.9 -1.0  -.5 98: 75
S020 1 WES2 P1 JPL       .0048 -.0012 -.0019  .0042 -.0032  .0007  1.6  -.9   .2 98:133
S020 1 WES2 P NCL        .0009 -.0030  .0051 -.0001  .0016  .0058  -.1   .5  1.7 96:296
S020 1 WES2 P NOAA      -.0001 -.0019  .0010 -.0007 -.0005  .0019  -.4  -.2   .9 97:158
S020 1 WES2 P CORS      -.0013  .0010 -.0001 -.0009  .0008 -.0011  -.7   .4  -.6 97:145
S020 2 WES2 P CODE       .0035 -.0007  .0087  .0031  .0052  .0071  1.1  1.1  1.6 97:275

Velocities
M001 1 7091 L CGS        .0461  .0173 -.0015  .0492  .0001 -.0023   .7   .0   .0
M001 1 7091 L4 CSR       .0009 -.0032 -.0050 -.0002 -.0059 -.0010   .0  -.5  -.1
M001 1 7091 C GRIM      -.0061  .0063 -.0001 -.0037  .0053 -.0059  -.3   .2  -.3
S002 1 7205 R GIUB       .0006 -.0016  .0006  .0001 -.0007  .0017   .0  -.3   .7
S002 1 7205 R GSFC      -.0008  .0004 -.0010 -.0006 -.0003 -.0011 -1.6  -.4 -1.6
S002 1 7205 R SHA       -.0008  .0001 -.0006 -.0008 -.0002 -.0006  -.7  -.2  -.6
S003 1 7209 R GIUB       .0005 -.0001  .0004  .0004  .0001  .0005   .6   .2   .6
S003 1 7209 R GSFC       .0002  .0000 -.0001  .0002 -.0001  .0000  2.0  -.5   .0
S003 1 7209 R SHA        .0002 -.0001  .0002  .0001  .0001  .0002   .1   .1   .2
S020 1 WES2 P CODE      -.0012  .0011 -.0032 -.0008 -.0014 -.0032  -.5  -.6 -1.4
S020 1 WES2 P GFZ        .0007  .0018 -.0014  .0013  .0000 -.0020  1.6   .0 -1.8
S020 1 WES2 P IGS       -.0011  .0019 -.0020 -.0005  .0000 -.0030  -.6   .0 -2.8
S020 1 WES2 P1 JPL      -.0013 -.0010  .0019 -.0016  .0011  .0016 -1.3   .6  1.0
S020 1 WES2 P NCL        .0000 -.0035  .0013 -.0012 -.0013  .0033  -.5  -.3   .8
S020 1 WES2 P NOAA       .0000 -.0004  .0012 -.0001  .0007  .0011  -.1   .4   .7
S020 1 WES2 P CORS       .0001  .0000 -.0001  .0000 -.0001  .0000   .1  -.1   .0
S020 2 WES2 P CODE      -.0012  .0011 -.0032 -.0008 -.0014 -.0032  -.5  -.6 -1.4

40441 GREENBANK

Positions
S001 1 7204 R GIUB       .0010  .0060  .0090  .0020  .0106  .0011   .3   .8   .1 91:203
S001 1 7204 R GSFC       .0008 -.0014  .0000  .0005 -.0009  .0012   .5  -.3   .4 93:148
S001 1 7204 R SHA        .0011  .0043 -.0024  .0019  .0006 -.0046   .8   .1 -1.0 95:135
S004 1 7214 R GIUB      -.0005 -.0007  .0035 -.0006  .0024  .0027  -.2   .4   .4 92:199
S004 1 7214 R GSFC      -.0008  .0021 -.0020 -.0004 -.0002 -.0030  -.3  -.1  -.8 90:213
S004 1 7214 R SHA        .0007 -.0033  .0025  .0001 -.0001  .0042   .0   .0   .9 95:189
S004 2 7214 R GIUB       .0019 -.0022  .0064  .0015  .0034  .0059   .5   .8  1.4 97:  1
S004 2 7214 R GSFC       .0009 -.0043  .0038  .0001  .0002  .0058   .1   .1  2.5 97:  1
S004 2 7214 R SHA        .0008 -.0030  .0012  .0003 -.0009  .0032   .2  -.4  1.4 97:  1
S005 1 7248 R GSFC       .0032 -.0023 -.0009  .0027 -.0025  .0016   .7  -.2   .1 92:305
S005 1 7248 R SHA       -.0011  .0026 -.0006 -.0007  .0013 -.0025  -.1   .2  -.3 92:307
S007 1 7208 R GIUB       .0035 -.0024  .0039  .0031  .0012  .0047  1.4   .4  1.9 96: 73
S007 1 7208 R SHA        .0003  .0044 -.0022  .0010  .0009 -.0047   .8   .5 -2.5 97:  1

Velocities
S001 1 7204 R GIUB      -.0054  .0177 -.0130 -.0022  .0012 -.0224  -.2   .1 -1.2
S001 1 7204 R GSFC       .0002 -.0008  .0007  .0001  .0001  .0011   .3   .1  1.3
S001 1 7204 R SHA        .0001  .0002  .0001  .0002  .0001 -.0001   .1   .1   .0
S004 1 7214 R GIUB       .0002 -.0015  .0015 -.0001  .0002  .0021  -.1   .2  1.6
S004 1 7214 R GSFC       .0000 -.0014  .0014 -.0002  .0002  .0019  -.7   .4  2.8
S004 1 7214 R SHA        .0001 -.0007  .0007  .0000  .0001  .0009   .0   .1   .9
S004 2 7214 R GIUB      -.0143 -.0029 -.0018 -.0146 -.0016 -.0008   .0   .0   .0
S004 2 7214 R GSFC      -.0353 -.0322  .0089 -.0404 -.0088  .0255   .0   .0   .0
S004 2 7214 R SHA       -.0168 -.0029  .0023 -.0170  .0019  .0014   .0   .0   .0
S005 1 7248 R GSFC      -.2490 -.2237 -.3206 -.2846 -.3607 -.0613  -.1  -.2   .0
S005 1 7248 R SHA       -.0125  .0393  .0499 -.0053  .0644 -.0010   .0   .3   .0
S007 1 7208 R GIUB       .0002  .0016 -.0018  .0004 -.0005 -.0023   .5  -.4 -2.0
S007 1 7208 R SHA        .0001  .0011 -.0018  .0003 -.0007 -.0019   .3  -.7 -1.8

40442 FORT DAVIS
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Positions
M001 1 7086 TIE40442    -.0033  .0021  .0023 -.0037  .0026  .0001  -.4   .3   .0 97:  1
M001 1 7086 L CGS        .0192 -.0069  .0061  .0203  .0042  .0049  1.2   .2   .2 97:  1
M001 1 7086 L4 CSR      -.0059 -.0077  .0145 -.0038  .0079  .0150  -.4   .5   .8 86:313
M001 1 7086 L DEOS       .0306  .0258 -.0445  .0235 -.0217 -.0506  1.7 -1.2 -3.3 93:  1
M001 1 7086 C GRIM      -.0020 -.0249  .0134  .0041 -.0010  .0280   .4  -.1  2.3 93:  1
M005 1 7885 TIE40442    -.0034  .0021  .0023 -.0039  .0026  .0001  -.4   .3   .0 97:  1
M005 1 7885 L4 CSR       .0124 -.0788  .0696  .0311  .0224  .0987   .2   .1   .3 82:234
M006 1 7080 TIE40442     .0003  .0028 -.0033 -.0004 -.0014 -.0040   .0  -.2  -.4 97:  1
M006 1 7080 M FSG        .0073  .0006  .0021  .0069  .0031 -.0010   .2   .1   .0 93:  1
M006 1 7080 L AUS       -.0056 -.0034  .0041 -.0046  .0012  .0061  -.3   .1   .5 97:256
M006 1 7080 L CGS        .0145 -.0016 -.0061  .0145 -.0043 -.0048  1.8  -.7  -.7 94:291
M006 1 7080 L CRL        .0024 -.0029  .0015  .0030  .0002  .0027   .6   .0   .4 91:178
M006 1 7080 L4 CSR      -.0003 -.0110  .0077  .0024  .0011  .0132   .6   .2  1.9 91:362
M006 1 7080 L DEOS       .0087 -.0015 -.0038  .0088 -.0029 -.0025  1.1  -.3  -.3 92:173
M006 1 7080 L DGFI       .0021 -.0072 -.0059  .0038 -.0084  .0026   .5 -1.2   .4 93: 78
M006 1 7080 L JCET      -.0007 -.0040  .0030  .0003  .0005  .0050   .2   .3  2.5 96:142
M006 1 7080 C GRIM      -.0057  .0064 -.0075 -.0071 -.0040 -.0080 -1.2 -1.4 -2.6 93:  1
M006 1 7080 C1 CSR      -.0017 -.0066  .0042 -.0001  .0001  .0080   .0   .1  3.5 96:174
M008 1 7850 TIE40442    -.0013  .0053  .0030 -.0025  .0050 -.0026  -.3   .6  -.3 97:  1
M008 1 7850 R GSFC      -.0039 -.0030  .0017 -.0031 -.0005  .0042  -.3   .0   .2 88:281
M008 1 7850 R SHA       -.0026 -.0061  .0059 -.0011  .0017  .0086  -.1   .1   .4 88:281
M008 1 7850 L AUS        .0012 -.0093  .0297  .0034  .0211  .0226   .2  1.3  1.3 93:233
M008 1 7850 L CGS       -.0630  .0036 -.0187 -.0620 -.0221  .0006 -3.3  -.8   .0 97:  1
M008 1 7850 L4 CSR      -.0001 -.0290  .0123  .0070 -.0038  .0304   .2  -.1   .4 93: 67
M008 1 7850 L DEOS       .0088 -.0126 -.0098  .0116 -.0136  .0037   .5  -.5   .2 93:  1
M008 1 7850 L DGFI      -.0069 -.0112 -.0022 -.0040 -.0083  .0096  -.2  -.5   .6 92:233
M008 1 7850 L JCET      -.0033 -.0157  .0106  .0006  .0010  .0192   .1   .1  2.2 93: 76
M008 1 7850 C GRIM      -.0100 -.0201  .0017 -.0048 -.0097  .0197  -.4  -.6  1.0 91:330
M008 1 7850 C1 CSR      -.0036 -.0249  .0120  .0026 -.0024  .0277   .2  -.1  1.3 93: 77
M009 1 7900 TIE40442    -.0053  .0006 -.0004 -.0053 -.0007  .0004 -1.7  -.2   .1 97:  1
M009 1 7900 R GSFC       .0112  .0191 -.0114  .0063  .0010 -.0241   .5   .0  -.9 88:283
M009 1 7900 R SHA        .0116  .0150 -.0064  .0076  .0034 -.0182   .6   .2  -.7 88:283
M012 1 MDO1 TIE40442    -.0046  .0042  .0067 -.0055  .0073  .0008  -.6   .8   .1 97:  1
M012 1 MDO1 P CODE       .0047  .0057  .0044  .0032  .0072 -.0035  1.2  1.8 -1.0 97:281
M012 1 MDO1 P GFZ       -.0001  .0001 -.0021 -.0001 -.0018 -.0011  -.1  -.6  -.4 98: 63
M012 1 MDO1 P IGS        .0001  .0020 -.0013 -.0004 -.0001 -.0023  -.4  -.1 -1.4 98:101
M012 1 MDO1 P1 JPL       .0006 -.0056  .0024  .0019 -.0006  .0058  1.5  -.4  2.8 96:195
M012 1 MDO1 P NCL       -.0001  .0003 -.0001 -.0002  .0000 -.0003  -.1   .0  -.1 98: 86
M012 1 MDO1 P NOAA       .0003 -.0006  .0003  .0005  .0000  .0006   .2   .0   .2 97:124
M012 1 MDO1 P CORS       .0011  .0006 -.0007  .0010 -.0002 -.0011   .6  -.1  -.5 97: 33
S001 1 7086 TIE40442    -.0033  .0021  .0023 -.0037  .0026  .0001  -.4   .3   .0 97:  1
S002 1 7206 TIE40442    -.0033  .0021  .0023 -.0037  .0026  .0001  -.4   .3   .0 97:  1
S003 1 7216 TIE40442     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S003 1 7216 R GIUB       .0000 -.0045  .0036  .0011  .0009  .0056   .2   .1   .9 89:268
S003 1 7216 R GSFC      -.0008  .0003  .0008 -.0008  .0008  .0003  -.7   .4   .1 88:238
S017 1 7613 TIE40442    -.0075 -.0055  .0038 -.0059 -.0003  .0081 -1.9  -.1  2.5 97:  1
S017 1 7613 R GIUB       .0024  .0022 -.0002  .0018  .0012 -.0024   .8   .4 -1.0 95:  9
S017 1 7613 R GSFC       .0007 -.0003  .0011  .0007  .0009  .0007  1.0   .7   .5 94:282
S017 1 7613 R SHA        .0013  .0005 -.0013  .0011 -.0007 -.0014   .7  -.3  -.5 96:128

Velocities
M001 1 7086 L CGS       -.0261  .0019 -.0103 -.0258 -.0112 -.0014   .0   .0   .0
M001 1 7086 L4 CSR       .0011 -.0050 -.0014  .0022 -.0036  .0033   .7  -.6   .5
M001 1 7086 L DEOS      -.0053  .0013  .0041 -.0054  .0035  .0022   .0   .0   .0
M001 1 7086 C GRIM      -.1398  .0327 -.0043 -.1436 -.0048 -.0004  -.1   .0   .0
M005 1 7885 L4 CSR      -.1167 -.3755  .0910 -.0223 -.1221  .3841   .0  -.1   .2
M006 1 7080 M FSG        .0002  .0001  .0002  .0002  .0003  .0000   .1   .1   .0
M006 1 7080 L AUS        .0016  .0003  .0012  .0015  .0014  .0000   .2   .2   .0
M006 1 7080 L CGS        .0014 -.0019 -.0019  .0019 -.0024  .0003   .8 -1.3   .2
M006 1 7080 L CRL        .0011 -.0023 -.0029  .0016 -.0035  .0002   .4 -1.2   .1
M006 1 7080 L4 CSR       .0032 -.0023 -.0030  .0036 -.0033 -.0003  2.8 -2.5  -.2
M006 1 7080 L DEOS       .0054 -.0062 -.0064  .0067 -.0079  .0008  1.9 -2.0   .2
M006 1 7080 L DGFI       .0039 -.0018 -.0050  .0042 -.0047 -.0019  1.7 -2.0  -.9
M006 1 7080 L JCET       .0003 -.0019  .0007  .0008 -.0003  .0019  1.4  -.3  2.1
M006 1 7080 C GRIM      -.1398  .0327 -.0043 -.1436 -.0048 -.0004  -.1   .0   .0
M006 1 7080 C1 CSR       .0007  .0005 -.0004  .0005  .0000 -.0007   .9   .0  -.7
M008 1 7850 R GSFC      -.2732 -.0145  .0833 -.2616  .0307  .1115  -.2   .0   .1
M008 1 7850 R SHA       -.0049  .0001  .0035 -.0048  .0024  .0027   .0   .0   .0
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M008 1 7850 L AUS       -.0151 -.0023 -.0150 -.0141 -.0159 -.0026  -.9 -1.0  -.2
M008 1 7850 L CGS       -.0261  .0019 -.0103 -.0258 -.0112 -.0014   .0   .0   .0
M008 1 7850 L4 CSR       .0482  .0400 -.0241  .0371  .0051 -.0557   .2   .0  -.2
M008 1 7850 L DEOS      -.0053  .0013  .0041 -.0054  .0035  .0022   .0   .0   .0
M008 1 7850 L DGFI       .0039 -.0018 -.0050  .0042 -.0047 -.0019  1.7 -2.0  -.9
M008 1 7850 L JCET      -.0033  .0465 -.0054 -.0145  .0180 -.0409  -.1   .1  -.2
M008 1 7850 C GRIM      -.0044  .0002  .0022 -.0044  .0014  .0019 -1.2  1.4  1.4
M008 1 7850 C1 CSR      -.0139  .0235  .0170 -.0192  .0245 -.0081  -.1   .1   .0
M009 1 7900 R GSFC       .1792 -.1996 -.1792  .2220 -.2309  .0382   .1  -.1   .0
M009 1 7900 R SHA        .0022 -.0036 -.0021  .0030 -.0033  .0015   .0   .0   .0
M012 1 MDO1 P CODE       .0003 -.0023 -.0003  .0008 -.0013  .0017   .5  -.5   .7
M012 1 MDO1 P GFZ        .0015  .0012  .0002  .0012  .0009 -.0012  1.1   .6  -.7
M012 1 MDO1 P IGS        .0002 -.0006  .0014  .0003  .0009  .0012   .4   .8   .9
M012 1 MDO1 P1 JPL      -.0006  .0013  .0003 -.0009  .0008 -.0008 -1.3   .9  -.7
M012 1 MDO1 P NCL       -.0008 -.0034  .0026  .0001  .0004  .0043   .0   .2  1.8
M012 1 MDO1 P NOAA       .0003 -.0003  .0015  .0003  .0012  .0010   .2   .7   .5
M012 1 MDO1 P CORS       .0004  .0005  .0005  .0003  .0008 -.0002   .3   .6  -.1
S003 1 7216 R GIUB       .0016  .0016  .0002  .0012  .0011 -.0016  1.0   .6  -.7
S003 1 7216 R GSFC      -.0007 -.0034  .0021  .0001  .0001  .0041   .1   .0  1.4
S017 1 7613 R GIUB       .0008 -.0003  .0002  .0009  .0001  .0002  1.0   .1   .2
S017 1 7613 R GSFC       .0001  .0000 -.0002  .0000 -.0001 -.0001   .3  -.6  -.5
S017 1 7613 R SHA        .0004  .0005 -.0012  .0003 -.0007 -.0011   .3  -.6  -.9

40445 MAUI

Positions
M001 1 7210 TIE40445     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7210 L AUS        .0120 -.0040  .0163  .0085  .0186 -.0030   .9  1.8  -.4 96: 31
M001 1 7210 L CGS        .0053 -.0148  .0065  .0157  .0057  .0033  2.1  1.2   .6 93:295
M001 1 7210 L CRL       -.0029 -.0082  .0032  .0063  .0009  .0067   .8   .1   .6 91:348
M001 1 7210 L4 CSR       .0060 -.0005  .0011  .0029  .0029 -.0045   .7   .7  -.8 91:275
M001 1 7210 L DEOS       .0102 -.0113 -.0033  .0145 -.0014 -.0056  1.8  -.1  -.8 92:299
M001 1 7210 C GRIM      -.0044 -.0045 -.0009  .0023 -.0030  .0052   .5  -.8  1.0 92: 60
M001 1 7210 C1 CSR      -.0009  .0000 -.0032 -.0004 -.0033 -.0004  -.2 -1.8  -.2 96: 26
M002 1 7120 TIE40445     .0004 -.0005  .0016  .0006  .0015  .0003   .2   .5   .1 97:  1
M002 1 7120 R GSFC       .0208  .0124 -.0061 -.0030  .0027 -.0246  -.1   .1  -.8 88:190
M002 1 7120 R SHA        .0184  .0126 -.0022 -.0041  .0057 -.0213  -.2   .3  -.7 88:190
M002 1 7120 L4 CSR      -.0040  .0220 -.0341 -.0217 -.0301 -.0169  -.4  -.5  -.2 81:129
S005 1 7210 TIE40445     .0001  .0000  .0000  .0000  .0000 -.0001   .0   .0   .0 97:  1
S005 1 7210 M FSG       -.1903 -.1756 -.0834  .0842 -.1646  .1995   .6 -1.1  1.5 93:  1

Velocities
M001 1 7210 L AUS       -.0004 -.0017  .0049  .0014  .0042  .0028   .4  1.1  1.0
M001 1 7210 L CGS       -.0020 -.0021 -.0015  .0011 -.0024  .0020   .6 -2.1  1.3
M001 1 7210 L CRL        .0000 -.0026 -.0023  .0024 -.0025  .0001   .9  -.5   .0
M001 1 7210 L4 CSR      -.0004 -.0040 -.0002  .0035 -.0009  .0018  2.5  -.8  1.5
M001 1 7210 L DEOS       .0018 -.0073 -.0031  .0075 -.0034  .0001  1.7  -.8   .0
M001 1 7210 C GRIM      -.0039  .0050  .0020 -.0061  .0013  .0021 -1.7  1.1   .9
M001 1 7210 C1 CSR       .0007 -.0007  .0005  .0009  .0006 -.0002  1.0   .6  -.2
M002 1 7120 R GSFC       .6860 -.0582  .4894  .3295  .6715 -.3924   .3   .8  -.3
M002 1 7120 R SHA        .0724 -.0499  .0994  .0748  .1093 -.0081   .3   .5   .0
M002 1 7120 L4 CSR      -.0552  .0211  .0610 -.0415  .0422  .0609  -.8   .8   .9
S005 1 7210 M FSG       -.0278 -.0239 -.0157  .0107 -.0271  .0273   .5 -1.2  1.3

40449 OCOTILLO

Positions
M001 1 7270 R GSFC       .0375  .0736 -.0596  .0017 -.0054 -.1017   .0  -.1  -.9 85: 32
M001 1 7270 R SHA        .0077  .0096 -.0055  .0027  .0019 -.0130   .1   .0  -.2 85: 27

Velocities
M001 1 7270 R GSFC       .0783  .1325 -.0754  .0129  .0197 -.1698   .1   .1  -.5
M001 1 7270 R SHA       -.0035 -.0181  .0002  .0047 -.0094  .0151   .0  -.1   .1

40451 WASHINGTON

Positions
M101 1 7101 TIE40451     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M101 1 7101 L4 CSR      -.0544  .0131  .1336 -.0500  .1196  .0646  -.1   .1   .1 79:149
M102 1 7102 TIE40451    -.0077 -.0014 -.0001 -.0078  .0002 -.0004 -2.5   .1  -.1 97:  1
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M102 1 7102 R GSFC       .0029  .0003  .0011  .0029  .0006  .0010   .7   .1   .1 91:202
M102 1 7102 R SHA        .0028 -.0023  .0012  .0022 -.0009  .0030   .3  -.1   .3 91:226
M102 1 7102 L4 CSR      -.0265  .0282  .0312 -.0194  .0453 -.0063  -.4   .4  -.1 81:319
M103 1 7103 TIE40451    -.0003 -.0001  .0000 -.0003  .0000  .0000  -.1   .0   .0 97:  1
M103 1 7103 L4 CSR       .0229 -.0311  .0789  .0152  .0389  .0773   .2   .2   .4 82:201
M104 1 7104 TIE40451     .0001  .0000  .0000  .0001  .0000  .0000   .0   .0   .0 97:  1
M104 1 7104 L4 CSR      -.1529  .2032 -.0596 -.1026  .1002 -.2183  -.3   .1  -.3 79:108
M105 1 7105 TIE40451     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M105 1 7105 L AUS        .0000  .0013 -.0043  .0003 -.0025 -.0037   .0  -.3  -.5 96:353
M105 1 7105 L CGS        .0116  .0042 -.0036  .0123 -.0019 -.0034  1.8  -.4  -.7 93:226
M105 1 7105 L CRL       -.0018  .0001 -.0027 -.0017 -.0018 -.0020  -.3  -.2  -.3 91:178
M105 1 7105 L4 CSR       .0036 -.0052  .0028  .0023 -.0016  .0063   .8  -.3  1.2 91:266
M105 1 7105 L DEOS       .0063 -.0075  .0017  .0044 -.0042  .0079   .6  -.6  1.2 92: 49
M105 1 7105 L DGFI       .0038 -.0033 -.0092  .0030 -.0098 -.0026   .5 -1.7  -.5 93: 99
M105 1 7105 L JCET      -.0001  .0019 -.0022  .0004 -.0006 -.0028   .4  -.4 -1.8 96:272
M105 1 7105 C GRIM      -.0027 -.0037 -.0025 -.0034 -.0039  .0007  -.7 -1.8   .3 93:  1
M105 1 7105 C1 CSR       .0004  .0017  .0016  .0008  .0022 -.0002   .7  1.2  -.1 96:283
M106 1 7100 TIE40451     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M106 1 7100 L4 CSR       .0581 -.2753 -.2484 -.0061 -.3701  .0621   .0  -.3   .0 77:299
M108 1 7065 TIE40451     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M108 1 7065 L4 CSR      -.2626 -.4207  .8727 -.3516  .4578  .8212  -.2   .1   .2 76:161
M111 1 7899 TIE40451     .0000  .0000  .0001  .0000  .0001  .0000   .0   .0   .0 97:  1
M111 1 7899 L4 CSR      -.0177  .0893 -.0266  .0031  .0366 -.0875   .0   .1  -.2 80:255
M112 1 7063 TIE40451     .0003 -.0008 -.0010  .0001 -.0013  .0000   .0  -.4   .0 97:  1
M112 1 7063 L4 CSR      -.0369  .0323  .0849 -.0286  .0911  .0225  -.7   .9   .2 80:191
M113 1 7106 TIE40451     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M113 1 7106 L4 CSR      -.0891  .0039  .0824 -.0858  .0792  .0332   .0   .0   .0 95: 56
M114 1 7125 TIE40451     .0001 -.0005 -.0006  .0000 -.0008  .0000   .0  -.2   .0 97:  1
M114 1 7125 L4 CSR      -.0399  .1052 -.0005 -.0148  .0698 -.0870  -.2   .4  -.5 85:163
M114 1 7125 L DEOS       .0034 -.0057  .0097  .0020  .0036  .0110   .0   .0   .0 93:  1
M114 1 7125 C GRIM      -.0102  .0456 -.0144  .0005  .0182 -.0454   .0   .2  -.5 93:  1
M116 1 7130 TIE40451     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M116 1 7130 L4 CSR      -.0214  .0207 -.0024 -.0161  .0138 -.0209  -.1   .0   .0 86:339
M117 1 7920 TIE40451     .0006 -.0008  .0000  .0005 -.0006  .0007   .1  -.2   .2 97:  1
M117 1 7920 L CGS       -.0701  .0035 -.0481 -.0675 -.0251 -.0453 -1.1  -.2  -.3 97:  1
M117 1 7920 L4 CSR      -.0034  .0032 -.0036 -.0026 -.0003 -.0053   .0   .0   .0 90:239
M117 1 7920 L DEOS       .0004 -.0031 -.0099 -.0003 -.0096 -.0038   .0  -.2  -.1 93:  1
M117 1 7920 L JCET      -.0033  .0068  .0039 -.0016  .0077 -.0033  -.2  1.1  -.5 94:212
M117 1 7920 C GRIM       .0018 -.0116  .0051 -.0009 -.0034  .0123   .0  -.1   .3 93:  1
M120 1 7918 TIE40451     .0013 -.0043  .0030  .0003 -.0005  .0053   .1  -.2  1.7 97:  1
M120 1 7918 L AUS        .0099  .0241 -.0352  .0151 -.0140 -.0386   .3  -.3  -.8 96:293
M120 1 7918 L CGS        .0188  .0020 -.0143  .0188 -.0126 -.0072  1.5  -.8  -.5 97:  1
M120 1 7918 L CRL        .0016  .0003 -.0132  .0017 -.0103 -.0083   .2  -.9  -.7 92:244
M120 1 7918 L4 CSR       .0105 -.0102 -.0035  .0079 -.0104  .0074   .5  -.3   .2 94:217
M120 1 7918 L DEOS       .0096  .0034 -.0078  .0102 -.0053 -.0057   .7  -.4  -.4 93:  1
M120 1 7918 L DGFI      -.0036  .0002 -.0130 -.0035 -.0094 -.0089  -.3  -.9  -.9 92:272
M120 1 7918 L JCET      -.0007  .0031 -.0023  .0001  .0002 -.0039   .0   .0  -.8 96: 21
M120 1 7918 C GRIM       .0041 -.0041 -.0026  .0031 -.0052  .0022   .4  -.4   .2 91:301
M120 1 7918 C1 CSR       .0005 -.0036  .0101 -.0003  .0056  .0092   .0   .5   .7 96: 19
M121 1 7919 L4 CSR      -.0110  .0475 -.0114  .0001  .0219 -.0451   .0   .0  -.1 86:113
M123 1 GODE TIE40451     .0047 -.0143  .0070  .0013 -.0040  .0161   .3  -.8  3.2 97:  1
M123 1 GODE P CODE       .0030  .0009  .0077  .0031  .0061  .0047  1.3  1.6  1.3 97:307
M123 1 GODE P IGS       -.0011  .0020 -.0014 -.0006  .0002 -.0026  -.6   .1 -1.4 98:226
M123 1 GODE P1 JPL      -.0006  .0003  .0000 -.0005  .0002 -.0003  -.4   .1  -.2 97: 20
M123 1 GODE P NCL       -.0005 -.0003 -.0001 -.0006 -.0002  .0000  -.3  -.1   .0 98:121
M123 1 GODE P NOAA      -.0004 -.0027  .0014 -.0010 -.0005  .0029  -.5  -.2  1.2 97:150
M123 1 GODE P CORS      -.0003  .0006 -.0009 -.0002 -.0003 -.0010  -.2  -.2  -.6 97:230
M125 1 7108 TIE40451     .0037  .0036 -.0022  .0044 -.0001 -.0034  1.4   .0 -1.1 97:  1
M125 1 7108 R GSFC       .0009 -.0008  .0029  .0007  .0016  .0026   .5   .6   .9 95: 49
M125 1 7108 R SHA        .0011 -.0023  .0019  .0006 -.0001  .0031   .2   .0   .9 95: 70
S003 1 USNO P CODE       .0036 -.0028  .0083  .0029  .0042  .0079  1.1  1.0  2.0 98:183
S003 1 USNO P IGS       -.0006  .0004 -.0006 -.0005 -.0001 -.0007  -.5  -.1  -.4 98:336
S003 1 USNO P1 JPL       .0011  .0027 -.0007  .0017  .0009 -.0024   .9   .4  -.8 98:206

Velocities
M101 1 7101 L4 CSR      -.2969 -.0195  .1995 -.2935  .1857  .0878  -.2   .2   .1
M102 1 7102 R GSFC       .0002 -.0011 -.0017  .0000 -.0020 -.0002   .0  -.2   .0
M102 1 7102 R SHA       -.0001  .0000 -.0019 -.0001 -.0014 -.0012   .0  -.2  -.1
M102 1 7102 L4 CSR       .0015  .0289 -.0456  .0081 -.0179 -.0503   .4  -.4 -1.0
M103 1 7103 L4 CSR      -.0468  .0727 -.0803 -.0290 -.0112 -.1138  -.3  -.1  -.5
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M104 1 7104 L4 CSR       .3326 -.0051  .3794  .3227  .2439  .3016   .1   .1   .1
M105 1 7105 L AUS        .0055 -.0007 -.0019  .0052 -.0027  .0004  1.6  -.9   .1
M105 1 7105 L CGS        .0010 -.0005 -.0028  .0009 -.0027 -.0012   .5 -2.4 -1.1
M105 1 7105 L CRL        .0013 -.0008 -.0027  .0011 -.0028 -.0009   .3 -1.0  -.3
M105 1 7105 L4 CSR       .0023 -.0002 -.0035  .0022 -.0031 -.0016  1.7 -2.9 -1.6
M105 1 7105 L DEOS       .0060 -.0055 -.0056  .0045 -.0086  .0016  1.3 -2.6   .5
M105 1 7105 L DGFI       .0026 -.0023 -.0035  .0021 -.0045  .0000   .9 -2.4   .0
M105 1 7105 L JCET      -.0001  .0004 -.0008  .0000 -.0004 -.0008   .0  -.5 -1.1
M105 1 7105 C GRIM      -.1306 -.0258  .0031 -.1330  .0053 -.0016  -.1   .0   .0
M105 1 7105 C1 CSR      -.0003  .0003 -.0005 -.0002 -.0002 -.0006  -.3  -.2  -.7
M106 1 7100 L4 CSR       .0155 -.0700  .0446 -.0008 -.0105  .0838   .0   .0   .0
M108 1 7065 L4 CSR       .0397  .0053 -.0488  .0398 -.0404 -.0277   .0   .0   .0
M111 1 7899 L4 CSR      -.4531 -.7624 -.4982 -.6150 -.7894  .1828  -.3  -.4   .1
M112 1 7063 L4 CSR      -.0033  .0162 -.0543  .0005 -.0318 -.0471   .0  -.9 -1.3
M113 1 7106 L4 CSR       .0438 -.0131 -.0285  .0397 -.0364 -.0003   .0   .0   .0
M114 1 7125 L4 CSR      -.0787 -.0231 -.1192 -.0819 -.0955 -.0715  -.1  -.1  -.1
M114 1 7125 L DEOS       .0042 -.0117 -.0142  .0014 -.0188  .0006   .0   .0   .0
M114 1 7125 C GRIM      -.1306 -.0258  .0031 -.1330  .0053 -.0016  -.1   .0   .0
M116 1 7130 L4 CSR      -.1101  .0383  .0302 -.0985  .0627 -.0294  -.1   .1   .0
M117 1 7920 L CGS       -.0282 -.0039 -.0009 -.0283  .0010 -.0026   .0   .0   .0
M117 1 7920 L4 CSR       .0051  .0004 -.0076  .0050 -.0063 -.0042   .1  -.1  -.1
M117 1 7920 L DEOS       .0042 -.0117 -.0142  .0014 -.0188  .0006   .0   .0   .0
M117 1 7920 L JCET       .0014  .0529 -.0288  .0134  .0098 -.0579   .2   .2  -.9
M117 1 7920 C GRIM      -.1306 -.0258  .0031 -.1330  .0053 -.0016  -.1   .0   .0
M120 1 7918 L AUS       -.0116 -.0162  .0131 -.0150  .0019  .0184  -.3   .0   .4
M120 1 7918 L CGS       -.0282 -.0039 -.0009 -.0283  .0010 -.0026   .0   .0   .0
M120 1 7918 L CRL        .0014 -.0009 -.0004  .0011 -.0010  .0007   .2  -.3   .2
M120 1 7918 L4 CSR       .0030 -.0036  .0027  .0021 -.0005  .0050   .4   .0   .4
M120 1 7918 L DEOS       .0042 -.0117 -.0142  .0014 -.0188  .0006   .0   .0   .0
M120 1 7918 L DGFI       .0027 -.0023 -.0035  .0021 -.0045 -.0001   .9 -2.3   .0
M120 1 7918 L JCET       .0020 -.0033  .0048  .0012  .0014  .0059   .1   .1   .4
M120 1 7918 C GRIM      -.0044 -.0015  .0023 -.0047  .0015  .0018 -1.4  1.8  2.0
M120 1 7918 C1 CSR       .0048 -.0027  .0021  .0040 -.0007  .0042   .2   .0   .1
M121 1 7919 L4 CSR       .5158 -.3323 -.3249  .4265 -.5301  .1381   .2  -.2   .1
M123 1 GODE P CODE       .0000 -.0024 -.0007 -.0006 -.0020  .0014  -.4  -.8   .6
M123 1 GODE P IGS       -.0012  .0002 -.0001 -.0011  .0002 -.0005 -1.4   .1  -.3
M123 1 GODE P1 JPL      -.0005  .0011 -.0002 -.0002  .0006 -.0010  -.3   .5  -.9
M123 1 GODE P NCL       -.0007 -.0028  .0019 -.0013 -.0001  .0031 -1.0  -.1  1.3
M123 1 GODE P NOAA      -.0002 -.0002  .0006 -.0002  .0004  .0006  -.2   .2   .3
M123 1 GODE P CORS      -.0001  .0006 -.0010  .0001 -.0003 -.0011   .1  -.4 -1.1
M125 1 7108 R GSFC      -.0002  .0001  .0015 -.0002  .0013  .0009  -.2   .6   .4
M125 1 7108 R SHA        .0009 -.0014  .0036  .0005  .0018  .0035   .4   .7  1.4
S003 1 USNO P CODE       .0008  .0000 -.0011  .0007 -.0010 -.0005   .4  -.3  -.1
S003 1 USNO P IGS        .0002  .0018 -.0003  .0006  .0008 -.0016   .6   .5  -.9
S003 1 USNO P1 JPL       .0001  .0003  .0006  .0002  .0006  .0001   .1   .2   .0

40452 BLOOMINGTON

Positions
M001 1 7291 R GSFC       .0005  .0041 -.0027  .0007  .0005 -.0048   .0   .0  -.1 87:232
M001 1 7291 R SHA       -.0033 -.0001  .0049 -.0033  .0039  .0030  -.1   .0   .0 87:232

Velocities
M001 1 7291 R GSFC      -.0266 -.0318 -.0024 -.0285 -.0209  .0218   .0   .0   .0
M001 1 7291 R SHA        .0004  .0005  .0000  .0005  .0003 -.0003   .0   .0   .0

40453 CARROLLTON

Positions
M001 1 7228 R GSFC      -.0006  .0013 -.0012 -.0005 -.0003 -.0018   .0   .0   .0 87:200

Velocities
M001 1 7228 R GSFC       .0000  .0001  .0003  .0000  .0003  .0001   .0   .0   .0

40454 LEONARD

Positions
M001 1 7292 R GSFC      -.0005 -.0010  .0014 -.0004  .0005  .0017   .0   .0   .0 87:236
M001 1 7292 R SHA       -.0005 -.0003  .0003 -.0005  .0001  .0005   .0   .0   .0 87:236
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Velocities
M001 1 7292 R GSFC      -.0008 -.0540  .0036  .0046 -.0286  .0457   .0   .0   .0
M001 1 7292 R SHA        .0000  .0009 -.0001 -.0001  .0005 -.0007   .0   .0   .0

40455 MILES CITY

Positions
M001 1 7038 R GSFC      -.0001 -.0003  .0004  .0000  .0001  .0005   .0   .0   .0 88:107
M001 1 7038 R SHA        .0004  .0028 -.0007 -.0004  .0015 -.0024   .0   .0   .0 88:107

Velocities
M001 1 7038 R GSFC      -.0504  .0003  .0260 -.0485  .0081  .0281   .0   .0   .0
M001 1 7038 R SHA        .0007  .0000 -.0004  .0006 -.0002 -.0004   .0   .0   .0

40456 PIETOWN

Positions
M001 1 PIE1 TIE40456     .0036 -.0040  .0094  .0047  .0063  .0075  1.5  2.0  2.4 97:  1
M001 1 PIE1 P CODE       .0056  .0084  .0017  .0027  .0069 -.0071  1.1  1.8 -2.0 97:295
M001 1 PIE1 P IGS        .0001  .0053 -.0042 -.0015 -.0006 -.0066 -1.3  -.4 -3.6 98:220
M001 1 PIE1 P NCL        .0015  .0047 -.0043 -.0001 -.0008 -.0065   .0  -.2 -1.6 97:112
M001 1 PIE1 P NOAA      -.0001 -.0034  .0021  .0009 -.0002  .0039   .5  -.1  1.6 97:143
M001 1 PIE1 P CORS       .0005 -.0028  .0015  .0014 -.0002  .0029   .8  -.1  1.5 97: 55
S001 1 7234 TIE40456     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7234 R GIUB       .0009 -.0002  .0014  .0009  .0012  .0007   .4   .4   .3 95: 23
S001 1 7234 R GSFC       .0006  .0021 -.0013 -.0001  .0002 -.0026  -.1   .1 -1.9 94:142
S001 1 7234 R SHA        .0011  .0036 -.0035 -.0001 -.0007 -.0051   .0  -.3 -2.1 96:234

Velocities
M001 1 PIE1 P CODE      -.0008 -.0014 -.0010 -.0003 -.0017  .0007  -.2  -.7   .3
M001 1 PIE1 P IGS       -.0005  .0018 -.0001 -.0010  .0008 -.0013 -1.1   .6  -.9
M001 1 PIE1 P NCL       -.0018 -.0012  .0009 -.0013 -.0002  .0019  -.6   .0   .5
M001 1 PIE1 P NOAA      -.0003  .0012 -.0002 -.0007  .0004 -.0010  -.5   .2  -.6
M001 1 PIE1 P CORS      -.0001  .0019 -.0013 -.0007  .0000 -.0022  -.7   .0 -1.8
S001 1 7234 R GIUB       .0003  .0006 -.0007  .0001 -.0002 -.0010   .1  -.2 -1.2
S001 1 7234 R GSFC       .0003 -.0005  .0005  .0004  .0002  .0006  3.3  1.0  2.8
S001 1 7234 R SHA        .0000  .0002 -.0007  .0000 -.0004 -.0005   .0  -.4  -.5

40457 SEATTLE

Positions
M001 1 7229 R GSFC      -.0008  .0007 -.0007 -.0010 -.0003 -.0006   .0   .0   .0 89: 98
M001 1 7229 R SHA       -.0001  .0003  .0016 -.0002  .0012  .0011   .0   .0   .0 90:213

Velocities
M001 1 7229 R GSFC       .0001  .0003  .0003  .0000  .0004  .0000   .0   .0   .0
M001 1 7229 R SHA       -.0001  .0054 -.0057 -.0030 -.0005 -.0073  -.1   .0  -.1

40458 MALIBU/SADDLE PE

Positions
M001 1 SPK1 P2 JPL       .0002  .0002  .0001  .0001  .0002 -.0002   .0   .1   .0 97:339

Velocities
M001 1 SPK1 P2 JPL       .0001 -.0003  .0001  .0002  .0000  .0003   .1   .0   .1

40460 LA JOLLA/SCRIPPS

Positions
M004 1 SIO3 P IGS       -.0034 -.0035 -.0044 -.0014 -.0062  .0016   .0  -.2   .0 99:261
M004 1 SIO3 P2 JPL       .0002 -.0001  .0002  .0002  .0002  .0001   .1   .1   .0 97:318

Velocities
M004 1 SIO3 P IGS       -.0148 -.0172  .0019 -.0052 -.0104  .0196  -.1  -.1   .2
M004 1 SIO3 P2 JPL       .0002  .0002 -.0001  .0001  .0001 -.0003   .0   .0  -.1

40461 WHITTIER

Positions
M001 1 WHC1 P2 JPL       .0002  .0002  .0001  .0001  .0002 -.0002   .0   .1   .0 97:321
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M002 1 WHI1 P2 JPL       .0005  .0004  .0000  .0002  .0003 -.0005   .0   .1  -.1 96:255

Velocities
M001 1 WHC1 P2 JPL       .0007 -.0007  .0004  .0009  .0001  .0005   .3   .0   .2
M002 1 WHI1 P2 JPL      -.0053  .0039 -.0014 -.0065 -.0006 -.0015  -.7  -.1  -.2

40463 LOS ALAMOS, NM

Positions
S001 1 7611 R GIUB       .0017 -.0001  .0016  .0016  .0015  .0007   .8   .6   .3 95: 26
S001 1 7611 R GSFC       .0010  .0014 -.0003  .0005  .0007 -.0015   .8   .6 -1.2 94:137
S001 1 7611 R SHA        .0016  .0005  .0003  .0014  .0008 -.0006   .9   .3  -.2 96:189

Velocities
S001 1 7611 R GIUB       .0004 -.0006  .0006  .0006  .0002  .0007   .7   .2   .8
S001 1 7611 R GSFC       .0002  .0000 -.0001  .0002  .0000 -.0001  1.2  -.1  -.5
S001 1 7611 R SHA        .0005  .0001 -.0002  .0004  .0000 -.0003   .4   .0  -.3

40465 NORTH LIBERTY

Positions
M001 1 NLIB TIE40465     .0017 -.0025  .0036  .0018  .0010  .0042   .6   .3  1.3 97:  1
M001 1 NLIB P CODE       .0037 -.0006  .0087  .0038  .0061  .0062  1.7  1.6  1.7 97:300
M001 1 NLIB P GFZ       -.0018  .0007 -.0026 -.0019 -.0016 -.0022 -1.1  -.5  -.8 98: 47
M001 1 NLIB P IGS       -.0002  .0007 -.0007 -.0002  .0000 -.0010  -.3   .0  -.6 98:113
M001 1 NLIB P1 JPL      -.0001 -.0017 -.0001 -.0001 -.0012  .0012  -.1  -.6   .6 96:117
M001 1 NLIB P NCL        .0003  .0003 -.0001  .0003  .0002 -.0003   .2   .1  -.1 98: 85
M001 1 NLIB P NOAA      -.0010 -.0009  .0006 -.0010 -.0002  .0011  -.5  -.1   .5 97:142
M001 1 NLIB P CORS      -.0012  .0010 -.0010 -.0012 -.0001 -.0014  -.9  -.1  -.7 97: 72
S001 1 7612 TIE40465     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7612 R GIUB       .0027  .0047 -.0019  .0026  .0018 -.0048  1.2   .7 -1.9 95:162
S001 1 7612 R GSFC       .0009 -.0023  .0027  .0009  .0005  .0035  1.8   .3  2.4 96: 13
S001 1 7612 R SHA        .0000  .0028 -.0026 -.0001 -.0001 -.0038   .0   .0 -1.1 95:200

Velocities
M001 1 NLIB P CODE       .0009  .0002 -.0023  .0009 -.0015 -.0017   .7  -.6  -.7
M001 1 NLIB P GFZ        .0023  .0023 -.0015  .0023  .0005 -.0028  2.7   .3 -1.8
M001 1 NLIB P IGS        .0003  .0023 -.0009  .0003  .0009 -.0023   .4   .7 -1.8
M001 1 NLIB P1 JPL      -.0011  .0008  .0003 -.0011  .0008 -.0004 -2.2   .8  -.4
M001 1 NLIB P NCL        .0002  .0008 -.0001  .0002  .0005 -.0007   .2   .2  -.3
M001 1 NLIB P NOAA       .0002 -.0001  .0016  .0002  .0011  .0012   .2   .7   .7
M001 1 NLIB P CORS       .0004  .0006  .0002  .0004  .0005 -.0003   .5   .4  -.3
S001 1 7612 R GIUB       .0004 -.0013  .0004  .0004 -.0006  .0013   .5  -.4   .9
S001 1 7612 R GSFC       .0001 -.0004  .0001  .0001 -.0002  .0004   .7  -.6  1.2
S001 1 7612 R SHA       -.0002  .0006 -.0017 -.0002 -.0008 -.0016  -.2  -.5 -1.0

40466 KITT PEAK

Positions
S001 1 7610 R GIUB       .0019  .0003  .0018  .0016  .0020  .0001   .7   .7   .1 95:221
S001 1 7610 R GSFC       .0012  .0020 -.0009  .0004  .0005 -.0024   .4   .3 -1.6 95:282
S001 1 7610 R SHA        .0015 -.0008  .0015  .0017  .0012  .0009   .8   .4   .3 96: 99

Velocities
S001 1 7610 R GIUB       .0003 -.0014  .0014  .0008  .0006  .0017   .7   .4  1.3
S001 1 7610 R GSFC       .0002  .0000  .0000  .0002  .0001 -.0001  1.2   .3  -.2
S001 1 7610 R SHA        .0009 -.0003  .0007  .0010  .0006  .0003   .8   .4   .2

40469 CHINA LAKE

Positions
M001 1 COSO P2 JPL       .0002  .0001  .0001  .0001  .0002 -.0001   .0   .0   .0 98: 48

Velocities
M001 1 COSO P2 JPL       .0002 -.0006  .0001  .0004 -.0002  .0005   .1   .0   .1

40471 HANCOCK

Positions
S001 1 7618 R GIUB       .0018  .0029 -.0009  .0026  .0008 -.0023  1.2   .3  -.8 95:332
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S001 1 7618 R GSFC       .0016 -.0007  .0011  .0013  .0000  .0016  1.5   .0   .9 96:310
S001 1 7618 R SHA        .0000  .0012  .0006  .0004  .0012 -.0004   .2   .3  -.1 95:335

Velocities
S001 1 7618 R GIUB       .0010 -.0010  .0014  .0006  .0001  .0019   .5   .1  1.0
S001 1 7618 R GSFC       .0001 -.0003  .0002  .0000 -.0001  .0003  -.1  -.1   .7
S001 1 7618 R SHA        .0000  .0001  .0013  .0000  .0011  .0008   .0   .6   .5

40472 COLORADO SPRINGS

Positions
S003 1 AMCT P CODE       .0041  .0007  .0054  .0038  .0053  .0021  1.1   .8   .3 98:189
S004 1 AMC2 P CODE       .0051  .0016  .0028  .0045  .0039 -.0005  1.3   .7  -.1 99:167
S004 1 AMC2 P IGS        .0003  .0028 -.0022 -.0004  .0001 -.0036  -.2   .0 -1.1 99:338
S004 1 AMC2 P NOAA      -.0016 -.0147  .0119  .0022  .0001  .0189   .5   .0  3.0 99:145

Velocities
S003 1 AMCT P CODE       .0008 -.0033  .0029  .0016  .0004  .0041   .4   .1   .5
S004 1 AMC2 P CODE       .0008 -.0033  .0029  .0016  .0004  .0041   .4   .1   .5
S004 1 AMC2 P IGS       -.0009 -.0016  .0009 -.0005 -.0004  .0020  -.2  -.1   .4
S004 1 AMC2 P NOAA       .0008 -.0049  .0032  .0020 -.0004  .0055   .2   .0   .4

40473 BREWSTER

Positions
S001 1 7614 R GIUB       .0024  .0017  .0008  .0012  .0025 -.0012   .6  1.0  -.5 95:204
S001 1 7614 R GSFC       .0005 -.0003  .0010  .0006  .0007  .0007   .7   .5   .5 95:262
S001 1 7614 R SHA        .0004 -.0018  .0022  .0012  .0004  .0025   .6   .2  1.0 96:119

Velocities
S001 1 7614 R GIUB       .0005  .0002  .0006  .0003  .0008  .0001   .3   .7   .1
S001 1 7614 R GSFC       .0003  .0001  .0000  .0002  .0001 -.0001  1.0   .4  -.5
S001 1 7614 R SHA        .0002 -.0013  .0012  .0008  .0001  .0016   .6   .0  1.2

40474 LAKE MATHEWS

Positions
M001 1 MATH P NOAA       .0006 -.0022  .0010  .0016 -.0001  .0019   .6   .0   .7 97:167

Velocities
M001 1 MATH P NOAA       .0015  .0012 -.0003  .0008  .0007 -.0016   .5   .4  -.9

40477 MAUNA KEA

Positions
M001 1 MKEA TIE40477    -.0004 -.0034  .0023  .0030  .0015  .0025  1.5   .8  1.0 97:  1
M001 1 MKEA P CODE       .0019 -.0018  .0054  .0024  .0054  .0009   .6  1.1   .2 98: 49
M001 1 MKEA P IGS       -.0004  .0008  .0003 -.0009  .0003  .0002  -.5   .2   .1 98:182
M001 1 MKEA P1 JPL      -.0006  .0011  .0005 -.0013  .0004  .0003  -.5   .2   .1 98: 42
M001 1 MKEA P NCL       -.0008 -.0006  .0002  .0002 -.0002  .0009   .1  -.1   .3 98: 93
M001 1 MKEA P NOAA       .0014  .0035 -.0017 -.0026 -.0007 -.0031  -.5  -.2  -.6 98: 46
S001 1 7617 TIE40477     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7617 R GIUB       .0025  .0009  .0020  .0002  .0027 -.0018   .1   .8  -.6 95:249
S001 1 7617 R GSFC      -.0027 -.0021  .0024  .0008  .0011  .0039   .4   .6  1.6 96:248
S001 1 7617 R SHA       -.0009 -.0013  .0026  .0008  .0020  .0022   .3   .6   .6 95:362

Velocities
M001 1 MKEA P CODE       .0030  .0003 -.0025  .0010 -.0014 -.0035   .3  -.4  -.8
M001 1 MKEA P IGS        .0036  .0013 -.0003  .0003  .0010 -.0037   .2   .8 -1.9
M001 1 MKEA P1 JPL       .0035  .0001 -.0006  .0013  .0006 -.0032   .5   .3  -.8
M001 1 MKEA P NCL        .0041  .0006 -.0006  .0011  .0008 -.0040   .4   .3 -1.1
M001 1 MKEA P NOAA      -.0003 -.0014  .0005  .0011  .0002  .0010   .3   .1   .2
S001 1 7617 R GIUB       .0000 -.0010  .0005  .0010  .0003  .0005   .6   .2   .3
S001 1 7617 R GSFC       .0008  .0009 -.0002 -.0005  .0002 -.0011 -1.1   .3 -2.2
S001 1 7617 R SHA       -.0007 -.0009  .0013  .0005  .0009  .0014   .3   .5   .8

40478 CHATSWORTH

Positions
M002 1 ROCK P NOAA       .0005 -.0023  .0012  .0015  .0000  .0022   .6   .0   .8 97:226
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M002 1 ROCK P2 JPL       .0031  .0036 -.0018  .0010  .0011 -.0048   .3   .3 -1.3 97:307
S101 1 OAT2 P2 JPL       .0012  .0023  .0010 -.0001  .0023 -.0016   .0   .7  -.4 97:282

Velocities
M002 1 ROCK P NOAA       .0012  .0007 -.0005  .0007  .0002 -.0013   .4   .1  -.6
M002 1 ROCK P2 JPL       .0002  .0006 -.0003 -.0001  .0001 -.0007   .0   .1  -.2
S101 1 OAT2 P2 JPL       .0019  .0014  .0035  .0010  .0041  .0002   .4  1.5   .1

40479 BLYTHE

Positions
M001 1 BLYT P2 JPL       .0171  .0155  .0123  .0090  .0220 -.0109   .4   .9  -.4 99:304

Velocities
M001 1 BLYT P2 JPL      -.0003 -.0004  .0000 -.0001 -.0003  .0004   .0  -.1   .1

40480 BOMMER CANYON

Positions
M001 1 TRAK P NOAA       .0010 -.0019  .0007  .0017  .0000  .0014   .7   .0   .5 97:242
M001 1 TRAK P2 JPL      -.0001  .0008  .0006 -.0005  .0009 -.0002  -.1   .3   .0 97:296

Velocities
M001 1 TRAK P NOAA       .0014  .0010 -.0002  .0008  .0007 -.0014   .4   .3  -.7
M001 1 TRAK P2 JPL       .0002 -.0003  .0001  .0003  .0000  .0002   .1   .0   .1

40481 YUCAIPA

Positions
M001 1 CRFP P NOAA       .0010 -.0018  .0009  .0017  .0001  .0014   .7   .0   .5 97:247
M001 1 CRFP P2 JPL      -.0079 -.0068 -.0084 -.0039 -.0123  .0033  -.1  -.4   .1 99:267

Velocities
M001 1 CRFP P NOAA       .0016  .0012 -.0004  .0009  .0007 -.0017   .5   .3  -.8
M001 1 CRFP P2 JPL      -.0004 -.0009  .0009  .0001  .0002  .0013   .0   .1   .4

40482 LONG BEACH CITY

Positions
M001 1 LBCH P2 JPL       .0004  .0004  .0000  .0001  .0002 -.0004   .0   .0  -.1 98: 40

Velocities
M001 1 LBCH P2 JPL      -.0001 -.0013  .0004  .0005 -.0003  .0012   .1   .0   .2

40483 WESTLAKE/ALLEN O

Positions
S001 1 AOA1 P IGS        .0001 -.0026  .0020  .0013  .0004  .0030   .1   .0   .1 99:256
S001 1 AOA1 P2 JPL       .0001  .0000  .0001  .0001  .0001  .0000   .0   .0   .0 97:242

Velocities
S001 1 AOA1 P IGS       -.0010 -.0099  .0058  .0039 -.0004  .0108   .1   .0   .1
S001 1 AOA1 P2 JPL       .0002  .0002 -.0002  .0000  .0000 -.0004   .0   .0  -.1

40484 CHILAO FLATES/SA

Positions
M001 1 CHIL P NOAA       .0008 -.0018  .0008  .0016 -.0001  .0014   .6   .0   .5 97:227
M001 1 CHIL P2 JPL       .0005  .0003  .0004  .0003  .0006 -.0001   .1   .2   .0 97:322

Velocities
M001 1 CHIL P NOAA       .0014  .0009 -.0002  .0008  .0007 -.0013   .5   .3  -.6
M001 1 CHIL P2 JPL      -.0001 -.0004 -.0003  .0001 -.0004  .0002   .0  -.2   .0

40485 LONGDON YARD/IRW

Positions
M001 1 LONG P NOAA       .0008 -.0019  .0009  .0017  .0000  .0016   .6   .0   .5 97:249
M001 1 LONG P2 JPL       .0015  .0021  .0001  .0003  .0015 -.0021   .1   .3  -.4 98:244
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Velocities
M001 1 LONG P NOAA       .0014  .0009 -.0003  .0008  .0006 -.0014   .4   .3  -.6
M001 1 LONG P2 JPL      -.0016 -.0048  .0014  .0009 -.0016  .0050   .2  -.3   .8

40486 PINEMEADOW

Positions
M001 1 ROCH P NOAA       .0015 -.0015  .0008  .0021  .0003  .0010   .7   .1   .3 98: 31
M001 1 ROCH P2 JPL      -.0092 -.0057 -.0152 -.0056 -.0178 -.0008  -.2  -.6   .0 99:267

Velocities
M001 1 ROCH P NOAA       .0014  .0013 -.0002  .0007  .0008 -.0016   .3   .3  -.6
M001 1 ROCH P2 JPL       .0022 -.0004 -.0011  .0021 -.0006 -.0012   .4  -.1  -.2

40487 LOS ANGELES

Positions
M001 1 USC1 P2 JPL      -.0001 -.0005 -.0002  .0002 -.0005  .0003   .1  -.1   .1 97:279
M002 1 UCLP P2 JPL       .0005  .0008  .0003  .0001  .0008 -.0006   .0   .2  -.2 97:260

Velocities
M001 1 USC1 P2 JPL      -.0017 -.0025  .0007 -.0003 -.0011  .0029  -.1  -.4  1.0
M002 1 UCLP P2 JPL       .0020  .0023 -.0006  .0006  .0012 -.0028   .3   .5 -1.0

40488 CATALINA ISLAND

Positions
M001 1 CAT1 P IGS        .0017  .0046 -.0020 -.0007  .0010 -.0052   .0   .0  -.2 99:209
M001 1 CAT1 P2 JPL       .0002 -.0001  .0002  .0002  .0001  .0001   .1   .0   .0 97:246

Velocities
M001 1 CAT1 P IGS       -.0008  .0001 -.0015 -.0008 -.0014 -.0005   .0   .0   .0
M001 1 CAT1 P2 JPL       .0003  .0001 -.0001  .0002  .0000 -.0003   .1   .0  -.1

40489 HAT CREEK

Positions
S001 1 7218 R GIUB       .0008  .0032 -.0066 -.0010 -.0029 -.0067  -.1  -.3  -.7 88:155
S001 1 7218 R GSFC       .0012  .0048 -.0031 -.0015  .0007 -.0056  -.7   .2 -1.9 88:298
S001 1 7218 R SHA        .0018  .0070 -.0040 -.0021  .0015 -.0078  -.3   .2 -1.1 92:157

Velocities
S001 1 7218 R GIUB       .0009  .0012 -.0022  .0001 -.0007 -.0026   .0  -.2  -.6
S001 1 7218 R GSFC       .0007  .0014 -.0010 -.0001  .0002 -.0018  -.1   .1 -1.2
S001 1 7218 R SHA        .0001  .0010 -.0013 -.0004 -.0003 -.0016  -.3  -.2  -.9

40490 MARYLAND POINT

Positions
S001 1 7217 R GIUB      -.0011 -.0051 -.0019 -.0022 -.0045  .0025  -.2  -.2   .1 89: 80
S001 1 7217 R GSFC      -.0020  .0058 -.0013 -.0007  .0027 -.0056  -.2   .3  -.6 88: 34
S001 1 7217 R SHA        .0012  .0014 -.0006  .0015  .0002 -.0012   .2   .0  -.1 89: 37

Velocities
S001 1 7217 R GIUB      -.0013  .0122 -.0020  .0014  .0060 -.0108   .1   .2  -.3
S001 1 7217 R GSFC      -.0003  .0003 -.0002 -.0002  .0000 -.0004  -.2   .0  -.1
S001 1 7217 R SHA       -.0001 -.0002  .0001 -.0002 -.0001  .0002  -.1   .0   .1

40491 FLAGSTAFF

Positions
M002 1 7891 TIE40491     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7891 L4 CSR      -.0517  .0537  .0667 -.0678  .0723  .0133  -.4   .3   .0 81:194
M003 1 7261 TIE40491    -.0001  .0001  .0001 -.0001  .0002  .0000   .0   .1   .0 97:  1
M003 1 7261 R GSFC       .0006  .0039 -.0027 -.0009  .0000 -.0047  -.1   .0  -.2 87:328
M003 1 7261 R SHA       -.0003 -.0006  .0026  .0000  .0017  .0021   .0   .1   .1 88:165

Velocities
M002 1 7891 L4 CSR       .4285 -.5555  .5209  .6031  .2189  .5932   .4   .1   .4
M003 1 7261 R GSFC       .0005  .0011  .0001  .0000  .0007 -.0009   .0   .1  -.1
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M003 1 7261 R SHA       -.0005  .0000  .0003 -.0005  .0002  .0003  -.1   .0   .0

40492 VERNAL

Positions
M001 1 7892 L4 CSR      -.0249  .0175  .0593 -.0293  .0505  .0322  -.2   .2   .1 81:310
M002 1 7290 R GSFC       .0000  .0019 -.0013 -.0007  .0002 -.0022  -.1   .0  -.1 88:309
M002 1 7290 R SHA        .0006  .0020  .0007 -.0001  .0019 -.0011   .0   .1  -.1 88:324

Velocities
M001 1 7892 L4 CSR      -.1095 -.3477  .1922  .0133 -.0893  .4021   .1  -.2   .9
M002 1 7290 R GSFC       .0002  .0012 -.0004 -.0002  .0005 -.0011   .0   .0  -.1
M002 1 7290 R SHA       -.0002  .0008 -.0003 -.0005  .0002 -.0007  -.1   .0   .0

40493 YUMA

Positions
M001 1 7894 R GSFC       .0011  .0055 -.0049 -.0013 -.0011 -.0072  -.2  -.1  -.6 87: 90
M001 1 7894 R SHA        .0016  .0036  .0005  .0000  .0026 -.0030   .0   .2  -.2 87:126
M001 1 7894 L4 CSR      -.0048  .0669 -.0124 -.0319  .0217 -.0563  -.1   .1  -.2 83:121

Velocities
M001 1 7894 R GSFC      -.0004 -.0024  .0023  .0006  .0006  .0032   .1   .1   .3
M001 1 7894 R SHA       -.0005 -.0021  .0020  .0004  .0005  .0029   .1   .1   .3
M001 1 7894 L4 CSR      -.5274 -.1171  .2416 -.4330  .0271  .4025  -.5   .0   .4

40496 PLATTEVILLE

Positions
M001 1 7112 TIE40496     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7112 L CGS        .0081 -.0123  .0292  .0110  .0160  .0263   .7   .9  1.4 88: 55
M001 1 7112 L CRL       -.0018 -.0074 -.0065  .0002 -.0099  .0016   .0  -.7   .1 91: 82
M001 1 7112 L4 CSR      -.0075 -.0052  .0379 -.0060  .0245  .0298  -.3   .5   .6 85:243
M001 1 7112 L DEOS       .0017 -.0005  .0165  .0018  .0126  .0107   .0   .3   .2 91:287
M001 1 7112 C GRIM       .0108 -.0107 -.0056  .0132 -.0091  .0022   .9  -.4   .1 90: 53
M002 1 7258 TIE40496     .0000  .0000  .0001  .0000  .0001  .0000   .0   .1   .0 97:  1
M002 1 7258 R GSFC       .0007  .0040 -.0034 -.0003  .0000 -.0052  -.1   .0  -.4 87:312
M002 1 7258 R SHA        .0018  .0061 -.0026  .0002  .0021 -.0066   .0   .2  -.5 88: 51

Velocities
M001 1 7112 L CGS       -.0025  .0022 -.0043 -.0030 -.0023 -.0039  -.7  -.4  -.6
M001 1 7112 L CRL        .0035 -.0217  .0122  .0089 -.0037  .0232   .7  -.2  1.1
M001 1 7112 L4 CSR       .0016  .0018 -.0073  .0011 -.0042 -.0063   .3  -.4  -.6
M001 1 7112 L DEOS       .0018 -.0056 -.0049  .0032 -.0069  .0006   .3  -.7   .1
M001 1 7112 C GRIM      -.0079 -.0041 -.0007 -.0066 -.0044  .0041  -.7  -.3   .3
M002 1 7258 R GSFC       .0018  .0057 -.0025  .0003  .0019 -.0061   .1   .3  -.9
M002 1 7258 R SHA        .0009  .0037 -.0013  .0000  .0015 -.0038   .0   .2  -.6

40497 MONUMENT PEAK

Positions
M001 1 7110 TIE40497     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7110 L AUS       -.0100  .0003 -.0036 -.0091 -.0053  .0016 -1.3  -.7   .2 96:209
M001 1 7110 L CGS        .0145 -.0003 -.0014  .0131  .0022 -.0059  2.1   .5 -1.2 93:262
M001 1 7110 L CRL        .0090 -.0016 -.0005  .0088  .0010 -.0024  1.6   .2  -.4 91: 82
M001 1 7110 L4 CSR       .0062  .0050 -.0004  .0033  .0036 -.0063  1.1  1.0 -1.6 91:102
M001 1 7110 L DEOS       .0100 -.0064 -.0004  .0118 -.0011  .0009  1.8  -.1   .1 92:135
M001 1 7110 L DGFI       .0051 -.0046 -.0033  .0067 -.0038 -.0002  1.3  -.6   .0 92:224
M001 1 7110 L JCET       .0008  .0016 -.0018  .0000 -.0005 -.0024   .0  -.4 -2.1 96:205
M001 1 7110 C GRIM       .0015 -.0040 -.0034  .0031 -.0044  .0006  1.1 -2.0   .3 91:294
M001 1 7110 C1 CSR      -.0003  .0007 -.0022 -.0005 -.0016 -.0016  -.5 -1.1 -1.1 96:210
M002 1 7220 TIE40497    -.0003  .0002  .0000 -.0004  .0000  .0000  -.1   .0   .0 97:  1
M002 1 7220 L4 CSR      -.0499 -.1096  .0958  .0040  .0151  .1531   .0   .1  1.0 84:356
M003 1 7274 TIE40497     .0059 -.0026  .0046  .0064  .0040  .0023  2.0  1.3   .7 97:  1
M003 1 7274 R GSFC       .0123  .0250 -.0165 -.0001  .0012 -.0324   .0   .1 -3.3 87:147
M003 1 7274 R SHA        .0139  .0216 -.0095  .0028  .0059 -.0266   .2   .5 -2.0 87:316
M003 1 7274 L4 CSR      -.0287 -.0735  .0443  .0070 -.0055  .0901   .1   .0   .5 85:177
M004 1 MONP TIE40497     .0008  .0026 -.0030 -.0005 -.0010 -.0039  -.1  -.3 -1.2 97:  1
M004 1 MONP P CODE       .0038 -.0008  .0069  .0037  .0063  .0029  1.3  1.5   .8 98: 71
M004 1 MONP P IGS       -.0008 -.0003 -.0005 -.0006 -.0008  .0002  -.3  -.4   .1 98:131
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M004 1 MONP P NCL       -.0013 -.0025  .0025 -.0001  .0006  .0037   .0   .2  1.2 98:135
M004 1 MONP P2 JPL      -.0011 -.0051  .0013  .0013 -.0017  .0050   .0  -.1   .2 99:243

Velocities
M001 1 7110 L AUS        .0004 -.0027 -.0017  .0015 -.0027  .0010   .6 -1.0   .4
M001 1 7110 L CGS        .0007 -.0027 -.0022  .0018 -.0030  .0005  1.0 -2.8   .4
M001 1 7110 L CRL       -.0001 -.0021 -.0028  .0009 -.0034  .0001   .2 -1.1   .0
M001 1 7110 L4 CSR       .0018 -.0035 -.0019  .0032 -.0029  .0009  2.6 -2.5   .8
M001 1 7110 L DEOS       .0044 -.0068 -.0061  .0069 -.0073  .0002  1.8 -2.0   .0
M001 1 7110 L DGFI       .0019 -.0036 -.0041  .0033 -.0047 -.0003  1.5 -2.2  -.1
M001 1 7110 L JCET      -.0001  .0005  .0008 -.0003  .0009  .0001  -.6  1.5   .2
M001 1 7110 C GRIM      -.0046  .0029  .0013 -.0054  .0014  .0003 -1.8  1.1   .1
M001 1 7110 C1 CSR      -.0008  .0000  .0015 -.0007  .0011  .0011 -1.3  1.6  1.7
M002 1 7220 L4 CSR      -.0132 -.0197  .0164 -.0030  .0010  .0286  -.1   .0   .4
M003 1 7274 R GSFC       .0023 -.0049  .0068  .0042  .0039  .0065  1.1   .8  1.2
M003 1 7274 R SHA        .0020 -.0053  .0066  .0041  .0034  .0068  1.1   .7  1.3
M003 1 7274 L4 CSR     -1.3789  .0995  .1328-1.2791 -.1733  .5126 -1.3  -.2   .5
M004 1 MONP P CODE       .0010  .0010 -.0016  .0004 -.0006 -.0020   .2  -.2  -.7
M004 1 MONP P IGS        .0008  .0020 -.0001 -.0001  .0011 -.0019  -.1   .4  -.7
M004 1 MONP P NCL        .0006  .0008  .0019  .0001  .0021  .0002   .0   .6   .1
M004 1 MONP P2 JPL       .0006  .0003  .0027  .0004  .0026  .0010   .2  1.0   .3

40498 VLA

Positions
S001 1 7619 R GSFC      -.0008  .0101 -.0086 -.0038 -.0019 -.0126   .0   .0  -.1 83:208
S001 1 7619 R SHA        .0016  .0054 -.0018 -.0001  .0017 -.0057   .0   .0   .0 83:208

Velocities
S001 1 7619 R GSFC      -.0494 -.0734  .0220 -.0248 -.0294  .0826   .0   .0   .1
S001 1 7619 R SHA        .0012  .0017 -.0005  .0006  .0007 -.0019   .0   .0   .0

40499 RICHMOND

Positions
M002 1 7295 TIE40499     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7295 L AUS       -.0047  .0035  .0026 -.0041  .0042 -.0027  -.1   .1   .0 96:344
M002 1 7295 L CGS        .0065  .0030  .0001  .0069  .0009 -.0016   .5   .0  -.1 93:248
M002 1 7295 L CRL       -.0014 -.0006  .0034 -.0014  .0029  .0018  -.1   .2   .1 93:125
M002 1 7295 L4 CSR       .0002  .0039 -.0022  .0008 -.0004 -.0044   .0   .0  -.1 92: 87
M002 1 7295 L DEOS       .0087 -.0075 -.0042  .0073 -.0076  .0061   .4  -.4   .4 93: 14
M002 1 7295 L DGFI       .0011 -.0070 -.0136 -.0001 -.0154  .0005   .0 -1.0   .0 93:285
M002 1 7295 P GFZ       -.0049  .0134 -.0171 -.0026 -.0094 -.0201  -.3  -.9 -1.3 93:175
M002 1 7295 C GRIM      -.0052 -.0014 -.0013 -.0054 -.0014 -.0001  -.4  -.1   .0 93:  1
M002 1 7295 C1 CSR       .0042 -.0030  .0051  .0037  .0030  .0055   .3   .2   .2 95: 45
M005 1 RCM4 TIE40499    -.0011  .0004  .0022 -.0010  .0022  .0004  -.2   .4   .1 97:  1
M005 1 RCM4 P GFZ       -.0080  .0212 -.0159 -.0043 -.0047 -.0269  -.2  -.2  -.8 93:335
S001 1 7219 TIE40499     .0048  .0031 -.0149  .0052 -.0124 -.0085  1.7 -3.9 -2.7 97:  1
S001 1 7219 R GIUB       .0009 -.0003  .0018  .0008  .0014  .0012   .3   .4   .3 92:338
S001 1 7219 R GSFC      -.0002  .0007 -.0014  .0000 -.0010 -.0012   .0  -.6  -.7 90:271
S001 1 7219 R SHA        .0006 -.0032  .0021  .0000  .0005  .0038   .0   .2  1.0 95:248
S015 1 RICA TIE40499    -.0047 -.0047  .0050 -.0054  .0028  .0056  -.5   .3   .5 97:  1
S016 1 RIDA TIE40499    -.0047 -.0047  .0050 -.0054  .0028  .0056 -1.1   .6  1.1 97:  1
S016 1 RIDA D9 IGN       .0208 -.0025 -.0294  .0201 -.0291 -.0073   .8 -1.8  -.4 96:185
S016 1 RIDA C1 CSR       .0192  .0130 -.0036  .0211  .0009 -.0102  2.2   .2 -1.6 96:162
S018 1 RCM5 TIE40499    -.0061 -.0125  .0156 -.0081  .0092  .0169 -1.6  1.8  3.3 97:  1
S018 1 RCM5 P CODE      -.0001  .0238 -.0009  .0039  .0093 -.0215  1.0  1.6 -3.5 95:334
S019 1 7201 R GIUB       .0023  .0009  .0012  .0024  .0013  .0001   .6   .2   .0 96:  0
S019 1 7201 R GSFC       .0006 -.0017  .0016  .0003  .0007  .0023   .1   .1   .4 95:357
S019 1 7201 R SHA        .0006 -.0004  .0010  .0005  .0007  .0009   .2   .2   .2 95:358
S020 1 RCM6 P CODE       .0040 -.0033  .0099  .0033  .0073  .0078  1.2  1.6  1.7 97:274
S020 1 RCM6 P GFZ       -.0008  .0052 -.0062  .0001 -.0033 -.0074   .0  -.8 -1.4 97:346
S020 1 RCM6 P IGS       -.0004  .0002 -.0008 -.0003 -.0006 -.0005  -.3  -.4  -.2 97:319
S020 1 RCM6 P DGFI       .0110 -.0067  .0043  .0097  .0002  .0095  1.1   .0   .5 96:307

Velocities
M002 1 7295 L AUS        .0023  .0095 -.0099  .0039 -.0051 -.0124   .1  -.1  -.2
M002 1 7295 L CGS        .0071 -.0085  .0000  .0056 -.0041  .0086   .8  -.4   .7
M002 1 7295 L CRL        .0034 -.0032 -.0064  .0028 -.0074  .0006   .5 -1.1   .1
M002 1 7295 L4 CSR       .0043 -.0040  .0008  .0036 -.0013  .0046   .7  -.1   .3
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M002 1 7295 L DEOS       .0078 -.0066 -.0063  .0066 -.0090  .0043  1.0 -1.1   .5
M002 1 7295 L DGFI       .0048 -.0034 -.0010  .0042 -.0027  .0034   .4  -.3   .4
M002 1 7295 P GFZ        .0003  .0019 -.0021  .0006 -.0011 -.0025   .2  -.4  -.6
M002 1 7295 C GRIM      -.1455 -.0231  .0036 -.1473  .0039  .0002  -.1   .0   .0
M002 1 7295 C1 CSR      -.0131  .0099 -.0257 -.0113 -.0180 -.0219  -.1  -.1  -.1
M005 1 RCM4 P GFZ        .0003  .0019 -.0021  .0006 -.0011 -.0025   .2  -.4  -.6
S001 1 7219 R GIUB       .0005 -.0002  .0004  .0005  .0002  .0005   .5   .2   .4
S001 1 7219 R GSFC       .0001 -.0007  .0005  .0000  .0001  .0009   .1   .2  1.3
S001 1 7219 R SHA        .0002 -.0007  .0004  .0001  .0001  .0008   .1   .1   .8
S016 1 RIDA D9 IGN       .0031 -.0025 -.0037  .0027 -.0046  .0011   .2  -.6   .1
S016 1 RIDA C1 CSR       .0049  .0011 -.0016  .0050 -.0013 -.0009  1.1  -.5  -.3
S018 1 RCM5 P CODE      -.0005 -.0017 -.0017 -.0008 -.0023  .0007  -.3  -.5   .1
S019 1 7201 R GIUB      -.0080  .0159 -.0092 -.0052 -.0009 -.0193  -.4   .0  -.6
S019 1 7201 R GSFC      -.0075  .0155 -.0018 -.0048  .0055 -.0157  -.5   .3  -.6
S019 1 7201 R SHA       -.0072  .0144  .0006 -.0047  .0072 -.0137  -.5   .4  -.6
S020 1 RCM6 P CODE      -.0005 -.0017 -.0017 -.0008 -.0023  .0007  -.3  -.5   .1
S020 1 RCM6 P GFZ        .0003  .0019 -.0021  .0006 -.0011 -.0025   .2  -.4  -.6
S020 1 RCM6 P IGS       -.0009  .0001 -.0001 -.0009  .0000 -.0002  -.5   .0   .0
S020 1 RCM6 P DGFI      -.0016  .0031 -.0068 -.0010 -.0047 -.0059  -.1  -.2  -.2

40503 SOCORRO ISLAND

Positions
S002 1 SOCA TIE40503     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S003 1 SODA TIE40503     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S003 1 SODA D9 IGN       .0054 -.0580  .0064  .0258 -.0108  .0516   .5  -.3  1.2 96:248
S003 1 SODA C GRIM      -.0482  .0080  .0375 -.0479  .0324  .0213  -.3   .4   .2 93:  1
S004 1 SODB TIE40503     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S004 1 SODB D9 IGN      -.0007 -.0211  .0173  .0069  .0100  .0244   .1   .2   .4 99:132
S004 1 SODB C GRIM      -.0280  .0424  .0075 -.0413  .0167 -.0256  -.5   .5  -.4 99: 76
S004 1 SODB C1 CSR      -.0043 -.0038 -.0040 -.0026 -.0054  .0036  -.1  -.2   .1 99:137

Velocities
S003 1 SODA D9 IGN      -.0145  .0515  .0086 -.0320  .0219 -.0379  -.4   .4  -.5
S003 1 SODA C GRIM      -.1745  .0833  .0130 -.1928  .0172 -.0104  -.1   .0   .0
S004 1 SODB D9 IGN       .0049 -.0147 -.0101  .0098 -.0134  .0081   .1  -.2   .1
S004 1 SODB C GRIM       .0079  .0052 -.0093  .0056 -.0063 -.0102   .1  -.3  -.3
S004 1 SODB C1 CSR      -.0248 -.0196 -.0062 -.0161 -.0146  .0237  -.2  -.3   .4

40504 MAZATLAN

Positions
M001 1 7122 L AUS        .0007  .0140  .0203 -.0032  .0241 -.0044  -.1   .6  -.1 95: 33
M001 1 7122 L CGS        .0092 -.0023  .0140  .0095  .0130  .0051   .7  1.5   .5 88:364
M001 1 7122 L CRL        .0048 -.0117  .0028  .0080 -.0013  .0101   .7  -.1   .6 91:120
M001 1 7122 L4 CSR      -.0054 -.0074  .0131 -.0031  .0086  .0131  -.5  1.0  1.0 89:107
M001 1 7122 L DEOS       .0117 -.0106 -.0081  .0143 -.0101  .0031   .9  -.5   .2 92:156
M001 1 7122 L DGFI       .0026  .0107 -.0029 -.0006  .0017 -.0113   .0   .1 -1.0 91:138
M001 1 7122 L JCET       .0071  .0006 -.0143  .0067 -.0121 -.0080   .3  -.3  -.3 93: 10
M001 1 7122 C GRIM       .0120 -.0157 -.0059  .0159 -.0100  .0084  1.5 -1.2   .8 89:256
M001 1 7122 C1 CSR      -.0019  .0024  .0051 -.0025  .0054  .0004  -.3   .5   .0 92:350

Velocities
M001 1 7122 L AUS       -.0003 -.0092 -.0022  .0023 -.0056  .0073   .1  -.3   .4
M001 1 7122 L CGS        .0005 -.0071  .0004  .0025 -.0023  .0063   .9  -.9  2.0
M001 1 7122 L CRL       -.0001  .0019 -.0075 -.0006 -.0062 -.0046  -.1  -.5  -.3
M001 1 7122 L4 CSR       .0019 -.0022 -.0007  .0025 -.0013  .0011  1.3  -.6   .4
M001 1 7122 L DEOS       .0051 -.0062 -.0076  .0066 -.0087  .0012  1.7 -1.9   .2
M001 1 7122 L DGFI       .0011 -.0044  .0010  .0022 -.0006  .0040   .2  -.1   .4
M001 1 7122 L JCET       .0131 -.0962 -.1938  .0398 -.2131  .0045   .1  -.3   .0
M001 1 7122 C GRIM      -.0058 -.0002  .0017 -.0056  .0009  .0023 -1.2   .3   .5
M001 1 7122 C1 CSR      -.0389  .0327  .0164 -.0466  .0232 -.0122  -.3   .1   .0

40505 CABO SAN LUCAS

Positions
M001 1 7882 L AUS       -.0606  .0329  .0184 -.0682  .0210 -.0024 -1.5   .5  -.1 95:339
M001 1 7882 L CGS        .0232 -.0035  .0014  .0230  .0031 -.0037  1.2   .1  -.1 93:116
M001 1 7882 L CRL        .0090 -.0116 -.0072  .0124 -.0097  .0044  1.1  -.8   .4 93:138
M001 1 7882 L4 CSR       .0060  .0107 -.0057  .0020 -.0005 -.0134   .1   .0  -.2 92:181
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M001 1 7882 L DEOS       .0126 -.0042 -.0120  .0133 -.0109 -.0050   .6  -.4  -.2 92:355
M001 1 7882 L DGFI       .0126 -.0039 -.0156  .0132 -.0141 -.0066   .6  -.7  -.4 93:180
M001 1 7882 C GRIM      -.0022 -.0124 -.0017  .0022 -.0064  .0108   .1  -.4   .5 91:255
M001 1 7882 C1 CSR      -.0073  .0078  .0043 -.0095  .0058 -.0028  -.5   .3  -.1 94:100

Velocities
M001 1 7882 L AUS       -.0401  .0277  .0091 -.0471  .0132 -.0080 -1.6   .5  -.3
M001 1 7882 L CGS       -.0026  .0030 -.0079 -.0035 -.0065 -.0048  -.2  -.4  -.2
M001 1 7882 L CRL       -.0057  .0009 -.0074 -.0056 -.0073 -.0019  -.7  -.8  -.2
M001 1 7882 L4 CSR       .0014 -.0037 -.0003  .0026 -.0014  .0026   .4  -.2   .2
M001 1 7882 L DEOS       .0036 -.0100 -.0070  .0068 -.0096  .0048   .4  -.7   .3
M001 1 7882 L DGFI      -.0017 -.0007 -.0046 -.0013 -.0047 -.0007  -.1  -.2   .0
M001 1 7882 C GRIM      -.0025  .0022  .0033 -.0031  .0035  .0002  -.4   .5   .0
M001 1 7882 C1 CSR      -.0387 -.0944 -.1149 -.0044 -.1456  .0491   .0  -.3   .1

40506 ENSENADA

Positions
M001 1 7883 L AUS       -.0668  .0597  .0355 -.0863  .0429 -.0022 -1.8   .9   .0 96: 28
M001 1 7883 L CGS        .0095 -.0108  .0156  .0133  .0105  .0128   .7   .4   .5 93:129
M001 1 7883 L CRL        .0044 -.0033  .0009  .0054  .0003  .0013   .5   .0   .1 93: 14
M001 1 7883 L4 CSR       .0055  .0021 -.0067  .0040 -.0035 -.0072   .1  -.1  -.1 92:187
M001 1 7883 L DEOS       .0089 -.0046 -.0036  .0100 -.0031 -.0017   .5  -.1  -.1 92:277
M001 1 7883 L DGFI       .0039  .0006 -.0110  .0032 -.0083 -.0076   .2  -.5  -.4 93: 44
M001 1 7883 C GRIM      -.0101 -.0063 -.0018 -.0062 -.0068  .0077  -.4  -.4   .4 92:350
M001 1 7883 C1 CSR       .0004 -.0126 -.0007  .0059 -.0064  .0092   .3  -.3   .4 94:  6

Velocities
M001 1 7883 L AUS       -.0331  .0228  .0074 -.0398  .0093 -.0012 -1.3   .3   .0
M001 1 7883 L CGS        .0065  .0087  .0019  .0020  .0072 -.0081   .1   .3  -.3
M001 1 7883 L CRL        .0029  .0034  .0047  .0011  .0062 -.0012   .1   .6  -.1
M001 1 7883 L4 CSR       .0028 -.0082 -.0018  .0062 -.0048  .0043   .4  -.3   .2
M001 1 7883 L DEOS       .0014 -.0075 -.0055  .0046 -.0079  .0023   .4  -.7   .2
M001 1 7883 L DGFI       .0057 -.0018  .0037  .0059  .0037  .0011   .3   .2   .1
M001 1 7883 C GRIM      -.0054  .0061  .0021 -.0075  .0034 -.0015  -.7   .3  -.1
M001 1 7883 C1 CSR       .0274  .0451  .0421  .0048  .0633 -.0231   .0   .2  -.1

40507 AGUASCALIENTES (

Positions
M001 1 INEG P GFZ       -.0005  .0026 -.0022 -.0010 -.0011 -.0031  -.1  -.1  -.1 99:339

Velocities
M001 1 INEG P GFZ        .0201  .0067  .0121  .0182  .0153 -.0056   .8   .6  -.1

40508 CICESE

Positions
M001 1 CICE P2 JPL       .0003  .0002  .0001  .0001  .0002 -.0002   .0   .1  -.1 97:150
M002 1 CIC1 P IGS        .0006 -.0004 -.0010  .0008 -.0009 -.0004   .1  -.1   .0  0:139
M002 1 CIC1 P NOAA       .0035  .0012  .0008  .0026  .0021 -.0018   .5   .4  -.3 99:217

Velocities
M001 1 CICE P2 JPL      -.0001  .0008 -.0003 -.0005  .0001 -.0008  -.1   .0  -.2
M002 1 CIC1 P IGS        .0026  .0053 -.0044  .0000 -.0006 -.0074   .0   .0  -.4
M002 1 CIC1 P NOAA      -.0005  .0015  .0054 -.0011  .0051  .0019  -.1   .3   .1

40601 MOIN/COSTA-RICA

Positions
M001 1 MOIN P CODE       .0030  .0083  .0071  .0040  .0083 -.0065  1.0  1.5  -.5 97:223
M001 1 MOIN P1 JPL       .0010 -.0004 -.0001  .0009 -.0001  .0005   .2  -.1   .1 97: 56
M001 1 MOIN P NOAA       .0028 -.0025  .0026  .0025  .0021  .0033   .3   .4   .2 97:127
M001 1 MOIN P DGFI      -.0012  .0070 -.0019 -.0004 -.0006 -.0073   .0  -.1  -.2 96:291

Velocities
M001 1 MOIN P CODE      -.0009 -.0210  .0000 -.0034 -.0036  .0205  -.4  -.4   .6
M001 1 MOIN P1 JPL      -.0023  .0033 -.0008 -.0019 -.0001 -.0037  -.3   .0  -.3
M001 1 MOIN P NOAA      -.0052 -.0025 -.0008 -.0054 -.0011  .0017  -.5  -.2   .1
M001 1 MOIN P DGFI      -.0074  .0015 -.0038 -.0072 -.0033 -.0030  -.5  -.2  -.1
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40701 SANTIAGO DE CUBA

Positions
S001 1 1953 L AUS       -.0493 -.0516  .0115 -.0605 -.0022  .0396 -1.1   .0   .8 96:266
S001 1 1953 L CGS        .0116  .0146 -.0086  .0149 -.0042 -.0135   .8  -.2  -.4 93: 81
S001 1 1953 L CRL        .0154  .0047  .0132  .0161  .0127  .0038   .5   .3   .1 94:202
S001 1 1953 L4 CSR      -.0252 -.2071  .0709 -.0753  .0001  .2071  -.2   .0   .2 92: 67
S001 1 1953 L DEOS       .0281  .0405  .0117  .0371  .0220 -.0264   .6   .3  -.5 93:102
S001 1 1953 L JCET      -.0401 -.0329  .0070 -.0469 -.0009  .0231  -.4   .0   .1 94:333
S001 1 1953 C GRIM       .0027 -.0517 -.0078 -.0101 -.0247  .0451  -.1  -.1   .2 94:337
S001 1 1953 C1 CSR      -.0853 -.1285  .0340 -.1143 -.0035  .1090  -.8   .0   .4 95:146

Velocities
S001 1 1953 L AUS       -.0047 -.0193 -.0038 -.0093 -.0096  .0152  -.2  -.2   .4
S001 1 1953 L CGS       -.0041  .0248 -.0091  .0021  .0001 -.0266   .3   .0 -2.0
S001 1 1953 L CRL       -.0229 -.0042 -.0142 -.0232 -.0128 -.0064  -.8  -.4  -.1
S001 1 1953 L4 CSR       .0008 -.0185  .0032 -.0038 -.0032  .0181   .0   .0   .1
S001 1 1953 L DEOS      -.0016 -.0334  .0180 -.0098  .0059  .0362  -.4   .2  1.2
S001 1 1953 L JCET       .0127 -.0200 -.0142  .0074 -.0211  .0163   .0  -.1   .0
S001 1 1953 C GRIM      -.0052 -.0132 -.0017 -.0083 -.0055  .0102  -.1  -.1   .1
S001 1 1953 C1 CSR      -.0317  .0697 -.0542 -.0136 -.0252 -.0894  -.1  -.1  -.2

41505 BUENOS-AIRES

Positions
M002 1 IGM0 P DGFI      -.0019 -.0031  .0001 -.0033  .0010  .0013  -.4   .1   .1  0:283

Velocities
M002 1 IGM0 P DGFI       .0077 -.0071  .0027  .0029  .0079  .0068   .1   .3   .3

41507 RIO GRANDE

Positions
M003 1 RIOZ TIE41507    -.0003  .0016 -.0004  .0003 -.0015 -.0007   .1  -.7  -.3 97:  1
M003 1 RIOZ P SCAR       .0062 -.0092 -.0199  .0022 -.0030  .0225   .4  -.3  2.3 95: 20
M004 1 RIOG TIE41507    -.0010 -.0041 -.0039 -.0025  .0005  .0052  -.8   .2  1.6 97:  1
M004 1 RIOG P CODE       .0111  .0050  .0068  .0122  .0037 -.0057  1.4   .4  -.6 99:356
M004 1 RIOG P GFZ        .0025  .0028  .0019  .0034 -.0002 -.0025  1.0  -.1  -.6 98:365
M004 1 RIOG P IGS        .0000  .0033  .0045  .0012  .0002 -.0054   .6   .1 -1.9 99:292
M004 1 RIOG P NOAA      -.0050  .0064  .0091 -.0022 -.0010 -.0120  -.4  -.1 -1.8 99:187
M004 1 RIOG P DGFI      -.0026 -.0110  .0036 -.0066  .0096  .0025 -1.2  1.0   .2  0:358
S003 1 RIOA TIE41507     .0004 -.0005 -.0003  .0002  .0003  .0006   .1   .2   .3 97:  1
S003 1 RIOA D GRGS      -.0038  .0110  .0082  .0007 -.0046 -.0135   .0  -.2  -.6 94: 75
S003 1 RIOA D9 IGN      -.0213  .0291  .0046 -.0087 -.0255 -.0243  -.3 -1.0 -1.0 94: 61
S003 1 RIOA C GRIM       .0048  .0424  .0495  .0205 -.0010 -.0620   .7   .0 -2.3 93:  1
S003 1 RIOA C1 CSR      -.0207 -.0169  .0228 -.0256  .0198 -.0138 -1.0   .7  -.5 93:353
S004 1 RIOB TIE41507     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S004 1 RIOB D GRGS       .0100  .0098 -.0132  .0130 -.0120  .0075   .7  -.8   .5 96:343
S004 1 RIOB D9 IGN      -.0023  .0153 -.0514  .0037 -.0425  .0326   .1 -1.6  1.2 98: 57
S004 1 RIOB C1 CSR      -.0025 -.0143 -.0111 -.0077  .0033  .0162 -1.4   .6  2.9 97:209

Velocities
M003 1 RIOZ P SCAR       .0063 -.0052  .0067  .0039  .0098 -.0011   .0   .0   .0
M004 1 RIOG P CODE      -.0046  .0225  .0135  .0043 -.0102 -.0243   .1  -.2  -.4
M004 1 RIOG P GFZ        .0045 -.0017 -.0033  .0035  .0007  .0046  1.7   .3  2.0
M004 1 RIOG P IGS        .0000  .0018  .0018  .0007 -.0003 -.0024   .3  -.1  -.7
M004 1 RIOG P NOAA       .0063 -.0001 -.0005  .0058  .0017  .0018   .4   .1   .1
M004 1 RIOG P DGFI      -.0021  .0123  .0120  .0028 -.0027 -.0169   .2  -.1  -.5
S003 1 RIOA D GRGS      -.0023 -.0026 -.0016 -.0031  .0003  .0021  -.2   .0   .2
S003 1 RIOA D9 IGN       .0055 -.0014 -.0022  .0045  .0014  .0038   .1   .0   .1
S003 1 RIOA C GRIM      -.0757 -.0446  .0055 -.0870  .0135  .0030  -.1   .0   .0
S003 1 RIOA C1 CSR       .0067 -.0043 -.0102  .0046 -.0008  .0121   .1   .0   .3
S004 1 RIOB D GRGS      -.0023 -.0026 -.0016 -.0031  .0003  .0022  -.2   .0   .2
S004 1 RIOB D9 IGN      -.0004 -.0099  .0070 -.0041  .0114 -.0003  -.3   .7   .0
S004 1 RIOB C1 CSR      -.0021 -.0007 -.0041 -.0021 -.0026  .0032  -.6  -.7   .9

41510 LA PLATA

Positions
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M001 1 LPGS P CODE       .0067 -.0029  .0064  .0042  .0087  .0012   .8  1.6   .2 98: 37
M001 1 LPGS P GFZ        .0030  .0015 -.0004  .0033 -.0001  .0005  1.0   .0   .1 98:212
M001 1 LPGS P IGS        .0019 -.0006  .0001  .0013  .0009  .0012   .7   .5   .6 98:141
M001 1 LPGS P1 JPL      -.0004  .0034  .0018  .0015 -.0003 -.0036   .5  -.1 -1.1 98: 21
M001 1 LPGS P NCL       -.0007  .0030  .0014  .0010 -.0005 -.0032   .2  -.1  -.6 96:295
M001 1 LPGS P NOAA      -.0003  .0037  .0037  .0017  .0012 -.0049   .4   .3 -1.1 97:336
M001 1 LPGS P DGFI      -.0033 -.0016 -.0010 -.0037 -.0010  .0003  -.5  -.1   .0 98:266
M001 1 LPGS P SCAR      -.0070  .0123  .0089  .0006 -.0008 -.0167   .1  -.1 -1.7 97:194

Velocities
M001 1 LPGS P CODE       .0028 -.0001 -.0008  .0023  .0002  .0017   .7   .1   .5
M001 1 LPGS P GFZ       -.0004  .0022  .0023  .0008  .0007 -.0030   .4   .4 -1.5
M001 1 LPGS P IGS       -.0010  .0001  .0013 -.0008  .0007 -.0012  -.6   .5  -.8
M001 1 LPGS P1 JPL      -.0002  .0005 -.0007  .0001 -.0009 -.0001   .0  -.4   .0
M001 1 LPGS P NCL       -.0051  .0041  .0033 -.0021 -.0008 -.0069  -.5  -.2 -1.4
M001 1 LPGS P NOAA       .0003 -.0016 -.0009 -.0006  .0002  .0017  -.2   .1   .6
M001 1 LPGS P DGFI      -.0036  .0028  .0030 -.0015  .0000 -.0053  -.2   .0  -.6
M001 1 LPGS P SCAR       .0014 -.0022 -.0004  .0000  .0012  .0023   .0   .2   .3

41511 CORDOBA GPS SITE

Positions
M001 1 CORD P CODE       .0099  .0003  .0061  .0091  .0073  .0002   .6   .4   .0  0: 11
M001 1 CORD P GFZ        .0029  .0055  .0022  .0049 -.0001 -.0043   .6   .0  -.4  0: 17
M001 1 CORD P IGS       -.0004 -.0009  .0028 -.0007  .0028 -.0009  -.1   .5  -.1  0:129

Velocities
M001 1 CORD P CODE      -.0321 -.0103 -.0051 -.0334 -.0068 -.0012  -.2   .0   .0
M001 1 CORD P GFZ       -.0001  .0001  .0000  .0000 -.0001 -.0001   .0  -.1  -.1
M001 1 CORD P IGS        .0001 -.0047 -.0019 -.0019  .0006  .0047  -.1   .0   .2

41512 BAHIA BLANCA

Positions
M001 1 VBCA P DGFI      -.0015 -.0038 -.0006 -.0031  .0012  .0024  -.4   .1   .2  0:229

Velocities
M001 1 VBCA P DGFI       .0241 -.0316 -.0115  .0066  .0155  .0378   .3   .4  1.1

41602 FORTALEZA

Positions
M001 1 FORT TIE41602    -.0077  .0015 -.0014 -.0036 -.0018 -.0068 -1.1  -.6 -2.2 97:  1
M001 1 FORT P CODE       .0109 -.0123  .0081 -.0029  .0091  .0156  -.6  2.2  2.9 97:178
M001 1 FORT P GFZ        .0083 -.0062 -.0027  .0003 -.0020  .0105   .1  -.8  2.6 97:268
M001 1 FORT P IGS        .0028 -.0016  .0002  .0005  .0004  .0032   .2   .4  1.5 97:362
M001 1 FORT P1 JPL      -.0034  .0036  .0012  .0007  .0009 -.0050   .3  1.2 -1.8 96:101
M001 1 FORT P NCL        .0021 -.0004 -.0003  .0009 -.0002  .0019   .3  -.1   .6 97:350
M001 1 FORT P NOAA      -.0025 -.0033  .0046 -.0041  .0046 -.0002  -.7  1.7   .0 97: 71
M001 1 FORT P DGFI       .0016  .0041  .0025  .0042  .0024 -.0015   .4   .8  -.1 98: 65
M001 1 FORT P SCAR      -.0044  .0103  .0006  .0053 -.0001 -.0099   .5   .0  -.9 96:282
S001 1 7297 TIE41602     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7297 R GIUB       .0004  .0028 -.0009  .0024 -.0010 -.0013   .8  -.3  -.4 95:184
S001 1 7297 R GSFC      -.0045  .0040 -.0007  .0004 -.0011 -.0060   .1 -1.0 -2.3 96:160
S001 1 7297 R SHA       -.0037  .0036  .0022  .0005  .0019 -.0052   .2  1.3 -1.9 96:256

Velocities
M001 1 FORT P CODE      -.0035  .0022  .0003 -.0004  .0000 -.0041  -.1   .0 -1.0
M001 1 FORT P GFZ       -.0028  .0037  .0007  .0012  .0004 -.0045   .6   .5 -2.1
M001 1 FORT P IGS        .0003  .0008  .0011  .0008  .0011 -.0003   .5  1.7  -.2
M001 1 FORT P1 JPL       .0029  .0012 -.0016  .0027 -.0015  .0016  1.8 -3.2  1.0
M001 1 FORT P NCL        .0003  .0009 -.0002  .0009 -.0002 -.0003   .3  -.1  -.1
M001 1 FORT P NOAA      -.0001  .0011 -.0015  .0009 -.0015 -.0007   .2  -.8  -.2
M001 1 FORT P DGFI       .0051 -.0023 -.0015  .0013 -.0011  .0055   .1  -.4   .4
M001 1 FORT P SCAR       .0033  .0000 -.0004  .0020 -.0002  .0026   .3  -.1   .4
S001 1 7297 R GIUB       .0005 -.0005  .0010 -.0001  .0010  .0006  -.1   .9   .4
S001 1 7297 R GSFC       .0002  .0004 -.0002  .0004 -.0002 -.0001   .7  -.6  -.1
S001 1 7297 R SHA        .0006 -.0003  .0008  .0001  .0009  .0006   .1   .9   .6

41603 CUIBA
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Positions
M001 1 CUIB P DGFI      -.0028 -.0008  .0010 -.0028  .0007 -.0011  -.4   .2  -.1 99: 88

Velocities
M001 1 CUIB P DGFI      -.0004 -.0004  .0010 -.0005  .0010 -.0001  -.1   .2   .0

41604 NATAL

Positions
S001 1 7929 L4 CSR      -.0006 -.0054  .0686 -.0047  .0685 -.0045   .0   .7   .0 80:218

Velocities
S001 1 7929 L4 CSR       .0031  .0007 -.0120  .0023 -.0118  .0034   .0  -.3   .1

41606 BRASILIA

Positions
M001 1 BRAZ P CODE       .0019 -.0034  .0080 -.0009  .0087  .0014  -.1  1.6   .2 96:358
M001 1 BRAZ P GFZ        .0001  .0017 -.0023  .0012 -.0026 -.0005   .2  -.6  -.1 96:309
M001 1 BRAZ P IGS        .0039 -.0029 -.0006  .0010  .0007  .0048   .3   .3  1.3 97:163
M001 1 BRAZ P1 JPL      -.0008 -.0022 -.0001 -.0021  .0002  .0011  -.5   .1   .2 97: 69
M001 1 BRAZ P NOAA      -.0022  .0020  .0040 -.0003  .0030 -.0039  -.1   .9  -.7 97:257
M001 1 BRAZ P DGFI      -.0052  .0014  .0017 -.0029  .0004 -.0048  -.4   .1  -.6 98:282
M001 1 BRAZ P SCAR      -.0048  .0108  .0033  .0037  .0001 -.0117   .4   .0 -1.1 98:157

Velocities
M001 1 BRAZ P CODE       .0045 -.0015  .0011  .0023  .0022  .0036   .3   .5   .5
M001 1 BRAZ P GFZ        .0081 -.0048 -.0001  .0028  .0024  .0087   .3   .6  1.1
M001 1 BRAZ P IGS        .0000  .0000  .0013 -.0001  .0012 -.0003   .0   .3   .0
M001 1 BRAZ P1 JPL       .0018  .0002 -.0014  .0015 -.0011  .0014   .4  -.6   .4
M001 1 BRAZ P NOAA      -.0004 -.0001 -.0005 -.0003 -.0006 -.0001  -.1  -.2   .0
M001 1 BRAZ P DGFI      -.0024  .0006 -.0002 -.0014 -.0007 -.0019  -.2  -.2  -.2
M001 1 BRAZ P SCAR      -.0100  .0096  .0016 -.0010 -.0023 -.0137  -.1  -.4 -1.2

41609 CACHOEIRA PAULIS

Positions
S001 1 CACB D GRGS       .0634  .0392  .0265  .0726  .0311  .0056  2.8  1.9   .2 95:344
S001 1 CACB D9 IGN       .0377 -.0891  .0275 -.0364  .0600  .0721 -1.4  3.2  3.0 96:102
S001 1 CACB C GRIM      -.0078  .0222 -.0022  .0102 -.0102 -.0187   .3  -.6  -.7 96:225
S001 1 CACB C1 CSR      -.0109  .0177 -.0200  .0048 -.0263 -.0110   .4 -3.0 -1.0 96: 20

Velocities
S001 1 CACB D GRGS       .0067  .0040  .0000  .0076  .0008  .0018   .4   .1   .1
S001 1 CACB D9 IGN       .0035 -.0025  .0007  .0007  .0023  .0036   .1   .2   .3
S001 1 CACB C GRIM       .0208  .0061 -.0145  .0190 -.0094  .0152   .9  -.6   .7
S001 1 CACB C1 CSR      -.0006  .0054 -.0035  .0034 -.0048 -.0026   .6 -1.1  -.4

41610 CURITIBA/PARANA

Positions
M001 1 PARA P DGFI      -.0010 -.0020  .0000 -.0020  .0004  .0008  -.3   .1   .1 98:317
M001 1 PARA P SCAR      -.0005  .0066 -.0003  .0039 -.0026 -.0047   .3  -.3  -.4 95:187

Velocities
M001 1 PARA P DGFI       .0015  .0002 -.0009  .0013 -.0005  .0011   .2  -.1   .1
M001 1 PARA P SCAR      -.0078  .0014  .0099 -.0050  .0064 -.0098  -.2   .4  -.5

41611 PRESIDENTE PRUDE

Positions
M001 1 UEPP P DGFI      -.0017 -.0014  .0005 -.0022  .0005 -.0002  -.3   .1   .0 98:331

Velocities
M001 1 UEPP P DGFI       .0004 -.0006  .0006 -.0001  .0008  .0004   .0   .1   .1

41612 BOM JESUS DA LAP

Positions
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M001 1 BOMJ P DGFI      -.0002 -.0018  .0006 -.0014  .0008  .0009  -.2   .2   .1 98:342

Velocities
M001 1 BOMJ P DGFI      -.0034  .0021  .0015 -.0008  .0006 -.0041  -.1   .1  -.4

41613 VICOSA

Positions
M001 1 VICO P DGFI       .0002 -.0017  .0000 -.0012  .0005  .0012  -.1   .1   .1 99: 43

Velocities
M001 1 VICO P DGFI      -.0024  .0022  .0024  .0000  .0011 -.0039   .0   .2  -.4

41614 MANAUS

Positions
M001 1 MANA P DGFI      -.0026  .0010  .0013 -.0017  .0011 -.0022  -.2   .4  -.2 98:243

Velocities
M001 1 MANA P DGFI      -.0018  .0039  .0014  .0004  .0012 -.0044   .0   .3  -.2

41615 IMPERATRIZ

Positions
M001 1 IMPZ P DGFI       .0007 -.0014  .0011 -.0004  .0013  .0014   .0   .4   .1 99:234

Velocities
M001 1 IMPZ P DGFI      -.0145  .0163  .0038  .0004  .0017 -.0221   .0   .3 -1.1

41703 EASTER ISLAND

Positions
M002 1 7097 TIE41703     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 7097 L CGS       -.0026 -.0436 -.0134  .0121  .0073  .0435   .8   .4  2.2 92:183
M002 1 7097 L CRL       -.0050 -.0291 -.0140  .0049  .0009  .0323   .4   .1  2.2 91:313
M002 1 7097 L4 CSR       .0094  .0079  .0067  .0062  .0011 -.0125   .2   .0  -.2 92: 38
M002 1 7097 L DEOS      -.0016 -.0196 -.0181  .0051 -.0074  .0252   .3  -.4  1.6 93:182
M002 1 7097 L DGFI       .0009 -.0130 -.0131  .0051 -.0062  .0166   .4  -.5  1.5 93: 45
M002 1 7097 C GRIM       .0178  .0157 -.0190  .0116 -.0264 -.0098   .6 -1.4  -.4 93:  1
M002 1 7097 C1 CSR      -.0012 -.0109 -.0008  .0025  .0041  .0099   .2   .2   .4 94: 67
M003 1 EIS1 TIE41703     .0009 -.0043 -.0047  .0023 -.0025  .0055   .7  -.8  1.7 97:  1
M003 1 EIS1 P CODE       .0029 -.0054  .0032  .0045  .0047  .0022   .8   .9   .4 97:253
M003 1 EIS1 P GFZ        .0010 -.0022 -.0035  .0017 -.0023  .0031   .5  -.6   .7 98: 94
M003 1 EIS1 P IGS        .0010  .0017  .0017  .0003  .0006 -.0025   .2   .3 -1.0 98:165
M003 1 EIS1 P1 JPL       .0030  .0047  .0032  .0013  .0004 -.0063   .6   .2 -2.2 97: 67
M003 1 EIS1 P NCL        .0024  .0026  .0023  .0014  .0006 -.0039   .4   .2 -1.2 98:104
M003 1 EIS1 P NOAA       .0024  .0053 -.0005  .0005 -.0031 -.0049   .1  -.7  -.8 97:140
M003 1 EIS1 P DGFI      -.0063  .0057  .0002 -.0078 -.0013 -.0030  -.7  -.1  -.2 98:216
M003 1 EIS1 P SCAR      -.0138 -.0080 -.0013 -.0103  .0044  .0114 -1.7   .6  1.2 96:301
S008 1 EASA TIE41703    -.0056 -.0249  .0054  .0030  .0163  .0201   .3  1.6  2.0 97:  1
S008 1 EASA D GRGS       .0179 -.0295  .0125  .0267  .0211  .0138  1.3  1.7   .9 95:344
S008 1 EASA D9 IGN      -.0310 -.0097 -.0119 -.0260 -.0017  .0227 -1.2  -.1  1.2 96: 96
S008 1 EASA C GRIM      -.0095  .0306  .0061 -.0191 -.0063 -.0257 -1.0  -.7 -2.2 95:112
S008 1 EASA C1 CSR       .0010 -.0050 -.0018  .0026  .0004  .0048   .4   .1   .9 96:204

Velocities
M002 1 7097 L CGS        .0024 -.0041  .0026  .0036  .0037  .0016   .5   .4   .1
M002 1 7097 L CRL        .0016  .0001 -.0044  .0015 -.0042  .0014   .2  -.5   .1
M002 1 7097 L4 CSR       .0025  .0047  .0014  .0008 -.0012 -.0053   .1  -.2  -.5
M002 1 7097 L DEOS      -.0025 -.0033 -.0061 -.0012 -.0036  .0063  -.2  -.5   .8
M002 1 7097 L DGFI      -.0003 -.0028 -.0030  .0007 -.0014  .0038   .1  -.2   .6
M002 1 7097 C GRIM      -.0640  .0261 -.0041 -.0690 -.0051 -.0011   .0   .0   .0
M002 1 7097 C1 CSR      -.0001  .0066  .0060 -.0023  .0025 -.0083  -.1   .1  -.3
M003 1 EIS1 P CODE      -.0012  .0082  .0039 -.0039  .0001 -.0083 -1.1   .0 -2.2
M003 1 EIS1 P GFZ        .0000  .0003 -.0017 -.0001 -.0016  .0005   .0 -1.7   .5
M003 1 EIS1 P IGS       -.0014 -.0022  .0006 -.0006  .0017  .0019  -.4  1.1  1.0
M003 1 EIS1 P1 JPL       .0019 -.0001 -.0002  .0018 -.0004 -.0004  1.4  -.3  -.2
M003 1 EIS1 P NCL       -.0002  .0003  .0021 -.0003  .0017 -.0012  -.1   .7  -.4
M003 1 EIS1 P NOAA      -.0024  .0010  .0027 -.0026  .0024 -.0014  -.7   .8  -.3
M003 1 EIS1 P DGFI       .0004 -.0022  .0063  .0011  .0064 -.0012   .1   .5  -.1
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M003 1 EIS1 P SCAR       .0075  .0032  .0022  .0060 -.0005 -.0059  1.6  -.1  -.9
S008 1 EASA D GRGS       .0013  .0087 -.0002 -.0016 -.0041 -.0076  -.1  -.5  -.8
S008 1 EASA D9 IGN       .0007 -.0052 -.0020  .0024  .0004  .0051   .2   .0   .6
S008 1 EASA C GRIM       .0020  .0119  .0001 -.0021 -.0054 -.0106  -.3 -1.3 -2.2
S008 1 EASA C1 CSR      -.0034  .0058 -.0054 -.0051 -.0068 -.0014 -1.6 -3.1  -.6

41705 SANTIAGO

Positions
M001 1 7400 TIE41705     .0023 -.0016  .0016  .0016  .0026  .0010   .5   .8   .3 97:  1
M001 1 7400 L4 CSR      -.4347 -.0423  .0090 -.4242 -.0493 -.0920 -3.8  -.3  -.5 84:107
M001 1 7400 L DEOS      -.5542 -.0522  .0165 -.5403 -.0595 -.1214  -.4  -.1  -.1 93:  1
M001 1 7400 P SCAR      -.0001  .0011 -.0007  .0002 -.0012 -.0005   .1  -.2  -.1 96:198
M003 1 SANT TIE41705     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M003 1 SANT P CODE       .0075 -.0068  .0028  .0048  .0073  .0059  1.1  1.5  1.1 97:276
M003 1 SANT P GFZ        .0031 -.0008 -.0026  .0027 -.0012  .0029   .8  -.3   .8 97:322
M003 1 SANT P IGS        .0009 -.0011  .0002  .0005  .0009  .0010   .4   .6   .6 98:136
M003 1 SANT P1 JPL      -.0021  .0061  .0054  .0000  .0010 -.0083   .0   .5 -3.6 96:161
M003 1 SANT P NCL        .0018  .0009  .0008  .0020  .0005 -.0006   .7   .2  -.2 98: 21
M003 1 SANT P NOAA      -.0017  .0099  .0078  .0017  .0011 -.0125   .4   .3 -2.5 98: 25
M003 1 SANT P DGFI      -.0035  .0004 -.0005 -.0031 -.0012 -.0010  -.5  -.1  -.1 98:133
M003 1 SANT P2 IGN       .0017  .0051  .0028  .0032  .0000 -.0051   .4   .0  -.6 97:195
M003 1 SANT P SCAR      -.0033  .0046  .0002 -.0016 -.0028 -.0046  -.4  -.5  -.7 96:214
M004 1 7404 L CGS       -.0169  .0528  .0262  .0015 -.0084 -.0607   .0  -.2 -1.1 97:  1
M004 1 7404 L4 CSR       .0184 -.1138 -.0849 -.0203 -.0091  .1414   .0   .0   .1 96:139
M004 1 7404 L DEOS       .0461 -.0100 -.0242  .0401 -.0067  .0339   .1   .0   .1 92: 49
M004 1 7404 C1 CSR      -.0032 -.0438 -.0092 -.0175  .0143  .0388  -.2   .1   .4 96:171
S006 1 1404 TIE41705     .0048  .0065  .0066  .0067  .0030 -.0074  2.1   .9 -2.3 97:  1
S006 1 1404 R GIUB       .0032 -.0030 -.0082  .0020 -.0048  .0077   .4  -.8  1.2 94:299
S006 1 1404 R GSFC       .0017 -.0036 -.0056  .0004 -.0025  .0064   .1  -.7  1.6 94:308
S006 1 1404 R SHA        .0043 -.0060 -.0035  .0021  .0009  .0079   .6   .2  1.9 95: 74
S007 1 SANA TIE41705     .0364 -.0169  .0189  .0287  .0312  .0131  1.0  1.0   .4 97:  1
S007 1 SANA D GRGS       .0565 -.0168  .0060  .0477  .0241  .0256  1.2   .9   .9 94:350
S007 1 SANA D9 IGN      -.0164  .0039  .0051 -.0142 -.0008 -.0104  -.3   .0  -.3 94:356
S007 1 SANA C GRIM       .0419  .0048  .0170  .0411  .0194 -.0015   .8   .6   .0 97:  1
S007 1 SANA C1 CSR      -.0120 -.0015 -.0031 -.0119 -.0040 -.0004  -.9  -.5   .0 94:285
S008 1 SAOB TIE41705     .0035 -.0040  .0033  .0020  .0054  .0024   .5  1.2   .5 97:  1
S008 1 SAOB D GRGS      -.0005  .0120  .0063  .0035 -.0010 -.0131   .0   .0  -.2 97:351
S008 1 SAOB D9 IGN      -.0246 -.0145 -.0034 -.0280  .0002  .0065  -.5   .0   .1 99: 35
S008 1 SAOB C1 CSR      -.0304  .0325 -.0136 -.0179 -.0336 -.0267 -1.0 -2.7 -2.0 98:118

Velocities
M001 1 7400 L4 CSR       .0342  .1692 -.2282  .0883 -.2722  .0006   .1  -.3   .0
M001 1 7400 L DEOS      -.0404 -.0146 -.0143 -.0429 -.0118  .0082   .0   .0   .0
M001 1 7400 P SCAR      -.0045  .0007  .0024 -.0040  .0009 -.0031 -1.4   .2  -.7
M003 1 SANT P CODE       .0019  .0025  .0009  .0026 -.0002 -.0020   .9  -.1  -.6
M003 1 SANT P GFZ       -.0001  .0035  .0027  .0011  .0004 -.0042   .8   .3 -2.5
M003 1 SANT P IGS       -.0013 -.0013  .0007 -.0016  .0010  .0003 -1.6   .9   .2
M003 1 SANT P1 JPL       .0010 -.0002 -.0008  .0009 -.0004  .0009   .9  -.3   .7
M003 1 SANT P NCL       -.0008  .0011  .0015 -.0003  .0005 -.0019  -.1   .2  -.8
M003 1 SANT P NOAA       .0009 -.0038 -.0029 -.0004 -.0003  .0048  -.1  -.1  1.2
M003 1 SANT P DGFI      -.0012 -.0023 -.0001 -.0019  .0009  .0015  -.3   .1   .2
M003 1 SANT P2 IGN       .0007 -.0029 -.0020 -.0003  .0000  .0036  -.1   .0   .6
M003 1 SANT P SCAR      -.0024  .0012  .0040 -.0019  .0023 -.0038  -.6   .6  -.8
M004 1 7404 L CGS        .0136 -.0074  .0104  .0104  .0150  .0039   .0   .0   .0
M004 1 7404 L4 CSR       .0146  .0303  .0641  .0238  .0407 -.0549   .1   .1  -.1
M004 1 7404 L DEOS      -.0104 -.0063 -.0053 -.0119 -.0030  .0050  -.1   .0   .0
M004 1 7404 C1 CSR       .0415 -.0815 -.0604  .0122 -.0009  .1089   .0   .0   .2
S006 1 1404 R GIUB       .0005 -.0009  .0008  .0001  .0013  .0004   .0   .4   .1
S006 1 1404 R GSFC      -.0015  .0013  .0011 -.0010  .0000 -.0020  -.7   .0 -1.1
S006 1 1404 R SHA       -.0008  .0000  .0009 -.0007  .0006 -.0007  -.4   .3  -.3
S007 1 SANA D GRGS       .0149  .0031 -.0057  .0151 -.0037  .0048   .4  -.1   .2
S007 1 SANA D9 IGN       .0005 -.0106 -.0255 -.0030 -.0157  .0225  -.1  -.5   .6
S007 1 SANA C GRIM      -.0981 -.0482  .0140 -.1086  .0187  .0029  -.1   .0   .0
S007 1 SANA C1 CSR       .0075  .0178 -.0188  .0130 -.0236 -.0016  1.2 -3.1  -.2
S008 1 SAOB D GRGS       .0149  .0031 -.0057  .0151 -.0037  .0048   .4  -.1   .2
S008 1 SAOB D9 IGN       .0060 -.0210  .0045 -.0013  .0157  .0159   .0   .3   .3
S008 1 SAOB C1 CSR      -.0078 -.0077 -.0021 -.0099  .0008  .0051  -.6   .1   .4

41706 CERRO TOLOLO
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Positions
M001 1 7401 L CRL        .0051 -.0132  .0117  .0005  .0172  .0064   .0  1.5   .5 90:260
M001 1 7401 L4 CSR       .0111 -.0611 -.0359 -.0096 -.0002  .0711  -.4   .0  1.4 89:339
M001 1 7401 L DEOS       .0193 -.0297  .0284  .0085  .0418  .0155   .2   .9   .4 92:362
M001 1 7401 C GRIM       .0075 -.0037 -.0206  .0059 -.0148  .0155   .5 -1.0   .9 90:272

Velocities
M001 1 7401 L CRL       -.0120  .0623  .0568  .0092  .0175 -.0828   .4   .6 -2.6
M001 1 7401 L4 CSR      -.0049  .0424  .0343  .0094  .0087 -.0533   .8   .5 -2.4
M001 1 7401 L DEOS       .0093  .0009  .0172  .0091  .0160 -.0067   .6   .8  -.3
M001 1 7401 C GRIM      -.0015  .0435  .0285  .0129  .0037 -.0503   .5   .1 -1.1

41708 IQUIQUE

Positions
S001 1 IQUB D GRGS      -.0184 -.0200  .0055 -.0242  .0095  .0098  -.4   .4   .2 95:275
S001 1 IQUB D9 IGN      -.0340  .0323  .0203 -.0208  .0045 -.0464  -.1   .0  -.3 97:345

Velocities
S001 1 IQUB D GRGS      -.0093  .0036  .0050 -.0075  .0024 -.0079  -.2   .1  -.3
S001 1 IQUB D9 IGN      -.0995  .0911  .0174 -.0621 -.0251 -.1184  -.1   .0  -.2

41709 SEST

Positions
S001 1 7239 R GSFC      -.0039  .0115 -.0005  .0001 -.0063 -.0104   .0  -.2  -.2 90:133
S001 1 7239 R SHA       -.0009  .0009 -.0004 -.0005 -.0009 -.0008   .0   .0   .0 90:133

Velocities
S001 1 7239 R GSFC       .1589 -.4374  .1342  .0056  .3445  .3404   .0   .5   .4
S001 1 7239 R SHA       -.0126  .0258 -.0398 -.0034 -.0487 -.0054   .0  -.2   .0

41710 CARIQUIMA

Positions
S001 1 CARB D GRGS      -.0360 -.0252  .0038 -.0427  .0070  .0085  -.7   .2   .2 95:221

Velocities
S001 1 CARB D GRGS      -.0402  .0101  .0088 -.0338  .0003 -.0256  -.6   .0  -.6

41718 PUNTA ARENAS II

Positions
M001 1 PUN1 P SCAR      -.0018  .0050  .0000  .0000 -.0043 -.0031   .0  -.7  -.5 96:142

Velocities
M001 1 PUN1 P SCAR      -.0015 -.0002  .0028 -.0015  .0014 -.0024  -.6   .3  -.5

41901 BOGOTA

Positions
M001 1 BOGT P CODE       .0059 -.0054  .0099  .0042  .0093  .0076   .8  2.2   .9 97:230
M001 1 BOGT P1 JPL      -.0021  .0029 -.0009 -.0012 -.0006 -.0035  -.3  -.4  -.5 98: 80
M001 1 BOGT P NOAA       .0007  .0007  .0018  .0008  .0019 -.0004   .2   .8  -.1 97:119
M001 1 BOGT P DGFI       .0055 -.0087  .0019  .0029  .0011  .0100   .3   .2   .4 98: 87

Velocities
M001 1 BOGT P CODE      -.0011  .0015 -.0009 -.0007 -.0008 -.0018  -.2  -.3  -.3
M001 1 BOGT P1 JPL       .0042  .0007 -.0001  .0042 -.0001  .0005  1.1  -.1   .1
M001 1 BOGT P NOAA      -.0017 -.0022  .0006 -.0023  .0005  .0017  -.7   .2   .4
M001 1 BOGT P DGFI       .0022 -.0035  .0009  .0012  .0005  .0040   .1   .1   .2

42004 SAN CRISTOBAL (G

Positions
S001 1 GALA D GRGS       .0695 -.0119  .0252  .0694  .0253  .0120  1.9  1.8   .5 96: 80
S001 1 GALA D9 IGN      -.0092 -.0149 -.0143 -.0093 -.0141  .0150  -.3  -.8   .6 96:218
S001 1 GALA C GRIM      -.0007 -.0151 -.0045 -.0008 -.0042  .0152   .0  -.3   .8 97:136
S001 1 GALA C1 CSR      -.0137  .0089  .0005 -.0136  .0003 -.0090  -.9   .0  -.8 96:342
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Velocities
S001 1 GALA D GRGS       .0034 -.0062  .0013  .0034  .0014  .0062   .2   .2   .5
S001 1 GALA D9 IGN       .0003  .0004  .0005  .0003  .0005 -.0004   .0   .1   .0
S001 1 GALA C GRIM      -.0016 -.0037 -.0005 -.0016 -.0004  .0037  -.1   .0   .2
S001 1 GALA C1 CSR       .0020  .0019  .0014  .0020  .0014 -.0019   .2   .4  -.3

42005 SANTA CRUZ

Positions
M001 1 GALA P CODE       .0047 -.0155  .0062  .0048  .0064  .0153   .8  1.1  1.1 98:315
M001 1 GALA P GFZ        .0005  .0089 -.0055  .0004 -.0056 -.0089   .1 -1.7 -1.0 99: 60
M001 1 GALA P IGS       -.0009 -.0013  .0028 -.0009  .0028  .0013  -.5  2.2   .3 99:289
M001 1 GALA P1 JPL       .0020  .0019 -.0008  .0020 -.0008 -.0019   .6  -.8  -.3 97:254
M001 1 GALA P NOAA       .0046 -.0008  .0014  .0046  .0015  .0008   .6   .5   .1 97:203
M001 1 GALA P DGFI       .0126 -.0011  .0001  .0126  .0001  .0010  1.5   .0   .0 98:261

Velocities
M001 1 GALA P CODE       .0040 -.0036  .0018  .0040  .0018  .0036   .6   .5   .2
M001 1 GALA P GFZ        .0007 -.0015  .0018  .0007  .0018  .0015   .2   .8   .1
M001 1 GALA P IGS        .0004 -.0001  .0039  .0004  .0039  .0001   .3  3.8   .0
M001 1 GALA P1 JPL       .0011  .0001 -.0030  .0011 -.0030  .0000   .3 -2.8   .0
M001 1 GALA P NOAA      -.0028 -.0024 -.0032 -.0028 -.0031  .0024  -.4 -1.3   .2
M001 1 GALA P DGFI       .0025 -.0069  .0031  .0025  .0032  .0068   .3   .6   .2

42006 RIO BAMBA

Positions
M001 1 RIOP P IGS       -.0004  .0212  .0069  .0038  .0062 -.0211   .4  1.2  -.9  0: 38
M001 1 RIOP P NOAA      -.0010 -.0123  .0003 -.0034  .0007  .0119  -.3   .1   .6 99:141
M001 1 RIOP P DGFI      -.0036  .0270  .0005  .0018 -.0003 -.0272   .1  -.1  -.6  0:235

Velocities
M001 1 RIOP P IGS        .0027  .0312  .0044  .0088  .0035 -.0301   .3   .2  -.5
M001 1 RIOP P NOAA      -.0008  .0289  .0040  .0049  .0032 -.0286   .1   .3  -.5
M001 1 RIOP P DGFI      -.0033  .0136  .0057 -.0006  .0053 -.0141   .0   .3  -.2

42202 AREQUIPA

Positions
M003 1 7403 TIE42202     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M003 1 7403 L AUS       -.0063 -.0032 -.0069 -.0070 -.0064  .0029  -.6  -.5   .4 95:174
M003 1 7403 L CGS        .0141  .0059 -.0099  .0153 -.0098  .0017  1.6 -1.5   .2 97:  1
M003 1 7403 L CRL        .0059 -.0012 -.0071  .0052 -.0060  .0049   .6  -.7   .5 92:255
M003 1 7403 L4 CSR       .0037  .0091 -.0074  .0064 -.0092 -.0051   .9 -1.3  -.4 94: 28
M003 1 7403 L DEOS       .0008 -.0071 -.0138 -.0015 -.0112  .0106  -.1  -.9  1.1 93:  1
M003 1 7403 L DGFI       .0060 -.0019 -.0125  .0051 -.0110  .0071   .7 -1.5  1.3 93:215
M003 1 7403 C GRIM       .0012  .0044  .0013  .0026  .0002 -.0040   .4   .0 -1.0 93:  1
M003 1 7403 C1 CSR       .0021 -.0016  .0008  .0015  .0014  .0019   .6   .6   .5 96: 35
M005 1 AREQ TIE42202    -.0003 -.0046 -.0042 -.0018 -.0029  .0053  -.6  -.9  1.7 97:  1
M005 1 AREQ P CODE       .0080 -.0080  .0051  .0050  .0078  .0083  1.1  1.8  1.5 97:272
M005 1 AREQ P GFZ        .0038 -.0015 -.0034  .0031 -.0025  .0035  1.0  -.8   .9 98: 40
M005 1 AREQ P IGS        .0008 -.0005  .0007  .0006  .0009  .0006   .4   .7   .3 98:165
M005 1 AREQ P1 JPL      -.0045  .0079  .0036 -.0018  .0009 -.0096  -.9   .7 -3.3 96:307
M005 1 AREQ P NCL        .0020 -.0002 -.0004  .0018 -.0002  .0009   .7  -.1   .3 97:326
M005 1 AREQ P NOAA      -.0014  .0098  .0046  .0018  .0017 -.0107   .4   .6 -2.1 97:131
M005 1 AREQ P DGFI      -.0034 -.0016 -.0001 -.0037  .0000  .0005  -.6   .0   .0 98:101
M005 1 AREQ P SCAR      -.0030  .0007  .0010 -.0026  .0005 -.0019  -.4   .1  -.2 96:198
S001 1 7907 TIE42202     .0012 -.0042  .0087 -.0002  .0096  .0017  -.1  3.0   .5 97:  1
S001 1 7907 L CGS        .0019 -.0022 -.0030  .0011 -.0022  .0034   .1  -.3   .3 90: 76
S001 1 7907 L CRL       -.0031 -.0151 -.0026 -.0077  .0013  .0135  -.6   .1   .6 91:  7
S001 1 7907 L4 CSR       .0011  .0043  .0150  .0025  .0133 -.0079   .1   .6  -.2 84:217
S001 1 7907 L DEOS       .0002  .0107 -.0249  .0035 -.0267 -.0027   .2 -1.2  -.1 93: 20
S001 1 7907 L DGFI      -.0127  .0111  .0056 -.0085  .0012 -.0156  -.3   .0  -.6 90:329
S001 1 7907 C GRIM      -.0128  .0135 -.0038 -.0078 -.0084 -.0150  -.7  -.9 -1.0 93:  1
S005 1 AREA TIE42202     .0004 -.0010 -.0003  .0000  .0000  .0011   .0   .0   .5 97:  1
S005 1 AREA D GRGS      -.0071  .0261  .0203  .0016  .0118 -.0317   .0   .6 -1.1 96:281
S005 1 AREA D9 IGN      -.0312  .0250  .0054 -.0216 -.0043 -.0338  -.6  -.2 -1.1 97:229
S005 1 AREA C GRIM       .0126  .0554  .0092  .0296 -.0049 -.0491  1.1  -.4 -2.6 92:114
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Velocities
M003 1 7403 L AUS        .0030 -.0023  .0025  .0021  .0033  .0023   .4   .6   .6
M003 1 7403 L CGS        .0004 -.0036  .0125 -.0008  .0130 -.0001   .0   .0   .0
M003 1 7403 L CRL        .0019 -.0002 -.0029  .0017 -.0025  .0016   .5  -.7   .5
M003 1 7403 L4 CSR       .0035 -.0011 -.0033  .0030 -.0026  .0030  2.1 -1.7  1.5
M003 1 7403 L DEOS      -.0364 -.0123 -.0136 -.0384 -.0130  .0040   .0   .0   .0
M003 1 7403 L DGFI       .0027  .0016 -.0042  .0031 -.0042  .0006  1.4 -1.6   .3
M003 1 7403 C GRIM      -.1270 -.0469  .0165 -.1353  .0170 -.0007  -.1   .0   .0
M003 1 7403 C1 CSR      -.0002 -.0036 -.0010 -.0013  .0000  .0035 -1.1   .0  1.8
M005 1 AREQ P CODE       .0007  .0039  .0007  .0019 -.0003 -.0035   .6  -.1  -.9
M005 1 AREQ P GFZ        .0005  .0004 -.0002  .0005 -.0003 -.0001   .5  -.3  -.2
M005 1 AREQ P IGS       -.0018  .0010  .0018 -.0014  .0013 -.0020 -1.3  1.6 -1.3
M005 1 AREQ P1 JPL       .0019  .0015 -.0014  .0022 -.0016 -.0004  1.8 -1.8  -.2
M005 1 AREQ P NCL       -.0005  .0017  .0007  .0000  .0001 -.0019   .0   .1  -.7
M005 1 AREQ P NOAA       .0003 -.0024 -.0004 -.0005  .0003  .0023  -.2   .1   .7
M005 1 AREQ P DGFI       .0007 -.0062 -.0003 -.0013  .0014  .0059  -.2   .2   .5
M005 1 AREQ P SCAR      -.0021 -.0056 -.0010 -.0038  .0004  .0048  -.9   .1   .6
S001 1 7907 L CGS        .0004  .0027 -.0006  .0013 -.0012 -.0021   .5  -.8  -.9
S001 1 7907 L CRL        .0073 -.0053 -.0076  .0052 -.0052  .0092   .3  -.4   .4
S001 1 7907 L4 CSR      -.0057  .0074 -.0035 -.0030 -.0059 -.0075  -.6 -1.2  -.8
S001 1 7907 L DEOS       .0053  .0004 -.0099  .0051 -.0092  .0040  1.6 -1.7   .9
S001 1 7907 L DGFI       .0027  .0016 -.0042  .0031 -.0042  .0006  1.4 -1.6   .3
S001 1 7907 C GRIM      -.1270 -.0469  .0165 -.1353  .0170 -.0007  -.1   .0   .0
S005 1 AREA D GRGS       .0086 -.0007 -.0007  .0080  .0003  .0035   .3   .0   .2
S005 1 AREA D9 IGN       .0010 -.0128 -.0035 -.0032  .0002  .0129  -.2   .0   .9
S005 1 AREA C GRIM      -.0069 -.0025  .0012 -.0073  .0012 -.0001 -1.9  1.1  -.1

42301 MONTEVIDEO

Positions
M001 1 MON1 P SCAR      -.0024  .0057  .0018  .0012 -.0021 -.0060   .2  -.4 -1.0 97:229

Velocities
M001 1 MON1 P SCAR      -.0008 -.0001  .0007 -.0007  .0004 -.0007  -.2   .1  -.2

42402 MARACAIBO

Positions
M001 1 MARA P DGFI       .0011  .0016  .0010  .0015  .0012 -.0010   .2   .2  -.1 99:296

Velocities
M001 1 MARA P DGFI       .0018 -.0033  .0007  .0006  .0000  .0038   .0   .0   .1

42501 BERMUDA

Positions
M001 1 7067 L4 CSR      -.0894  .0870  .0420 -.0436  .0980 -.0763  -.1   .1  -.1 78:220
M002 1 7294 R GSFC      -.0006  .0001  .0008 -.0005  .0008  .0002   .0   .0   .0 87:218
M002 1 7294 R SHA       -.0135  .0484 -.0340  .0085 -.0023 -.0600   .2   .0  -.9 87:218
S004 1 BRMU P CODE       .0030  .0008  .0077  .0030  .0062  .0046  1.1  1.6  1.3 97:246
S004 1 BRMU P GFZ       -.0008  .0010 -.0033 -.0003 -.0021 -.0029  -.1  -.7 -1.0 98: 80
S004 1 BRMU P IGS       -.0004  .0007 -.0006  .0000 -.0001 -.0009   .0  -.1  -.7 98:103
S004 1 BRMU P1 JPL       .0001 -.0009  .0002 -.0003 -.0003  .0008  -.2  -.2   .4 96:123
S004 1 BRMU P NCL        .0003 -.0005 -.0002  .0001 -.0005  .0004   .0  -.2   .2 98: 39
S004 1 BRMU P NOAA      -.0008 -.0040  .0034 -.0024  .0011  .0046 -1.0   .5  1.7 97:147
S004 1 BRMU P DGFI       .0086 -.0082  .0024  .0043 -.0039  .0107   .3  -.3   .6 96:295

Velocities
M001 1 7067 L4 CSR       .1298  .2821 -.4207  .2380 -.2487 -.3936   .1  -.1  -.2
M002 1 7294 R GSFC      -.8294 -.0842 -.1970 -.7857 -.0172 -.3410  -.7   .0  -.2
M002 1 7294 R SHA       -.0824 -.0254 -.0026 -.0854  .0044 -.0118  -.4   .0  -.1
S004 1 BRMU P CODE       .0009 -.0030  .0001 -.0005 -.0016  .0027  -.3  -.7  1.2
S004 1 BRMU P GFZ        .0012  .0016 -.0011  .0018 -.0004 -.0014  1.4  -.3  -.9
S004 1 BRMU P IGS       -.0009  .0007  .0000 -.0005  .0006 -.0009  -.5   .6  -.8
S004 1 BRMU P1 JPL       .0000 -.0004  .0004 -.0002  .0001  .0005  -.2   .1   .5
S004 1 BRMU P NCL       -.0009 -.0006  .0001 -.0011  .0000  .0002  -.7   .0   .1
S004 1 BRMU P NOAA       .0002 -.0014  .0016 -.0004  .0006  .0020  -.2   .4  1.2
S004 1 BRMU P DGFI      -.0033  .0052 -.0084 -.0008 -.0039 -.0097   .0  -.2  -.4

42601 KINGSTON
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Positions
S001 1 JAMA P CODE       .0059 -.0037  .0066  .0049  .0048  .0067   .8   .6   .6  0:  5

Velocities
S001 1 JAMA P CODE       .0047 -.0009  .0005  .0044 -.0001  .0020   .1   .0   .0

43001 THULE

Positions
M001 1 THU1 P CODE       .0034  .0004  .0028  .0033 -.0002  .0029  1.5  -.1   .6 98: 34
M001 1 THU1 P GFZ       -.0001 -.0006  .0039 -.0003  .0004  .0039  -.2   .2   .9 98:163
M001 1 THU1 P IGS       -.0003  .0002 -.0040 -.0002 -.0007 -.0040  -.3  -.7 -1.9 98:166
M001 1 THU1 P1 JPL      -.0002 -.0010  .0026 -.0005 -.0002  .0028  -.5  -.1   .7 97:205
M001 1 THU1 P NCL        .0000 -.0007  .0000 -.0003 -.0006  .0002  -.2  -.4   .1 98: 73
M001 1 THU1 P NOAA       .0008  .0011 -.0025  .0012  .0001 -.0026   .7   .1  -.7 97:328
M001 1 THU1 P EUR        .0003 -.0012  .0043 -.0001 -.0002  .0045  -.1  -.1   .6 98:228
M001 1 THU1 P GIA       -.0006  .0001  .0015 -.0005  .0007  .0014  -.3   .4   .6 97:154

Velocities
M001 1 THU1 P CODE       .0001 -.0005 -.0045 -.0001 -.0015 -.0043  -.1  -.9 -1.1
M001 1 THU1 P GFZ        .0021  .0003  .0005  .0021 -.0004  .0006  2.7  -.3   .2
M001 1 THU1 P IGS        .0002  .0002  .0002  .0003  .0001  .0002   .5   .2   .1
M001 1 THU1 P1 JPL      -.0002  .0003  .0006 -.0001  .0005  .0005  -.1   .4   .2
M001 1 THU1 P NCL       -.0005 -.0004 -.0013 -.0006 -.0005 -.0012  -.6  -.4  -.5
M001 1 THU1 P NOAA      -.0004 -.0003  .0017 -.0005  .0003  .0017  -.4   .2   .6
M001 1 THU1 P EUR       -.0004 -.0018  .0027 -.0011 -.0009  .0030  -.7  -.3   .3
M001 1 THU1 P GIA       -.0007 -.0001  .0007 -.0007  .0003  .0007  -.7   .3   .4

43005 KELLYVILLE (KANG

Positions
M001 1 KELY P CODE       .0032 -.0013  .0044  .0017 -.0011  .0053   .5  -.3   .8 99:  3
M001 1 KELY P IGS       -.0007 -.0005 -.0020 -.0008 -.0007 -.0019  -.6  -.5  -.7 98:129
M001 1 KELY P1 JPL      -.0013 -.0009  .0018 -.0016  .0008  .0016  -.8   .3   .4 97:352
M001 1 KELY P NCL        .0002  .0000 -.0016  .0002 -.0007 -.0014   .1  -.4  -.5 97:300
M001 1 KELY P NOAA      -.0002 -.0011  .0001 -.0008 -.0006  .0004  -.3  -.2   .1 97:252
M001 1 KELY P EUR        .0025 -.0024  .0098  .0004  .0007  .0104   .2   .2  1.6 98:202

Velocities
M001 1 KELY P CODE      -.0010  .0015 -.0073  .0002 -.0012 -.0074   .1  -.2  -.8
M001 1 KELY P IGS        .0006 -.0004  .0005  .0002 -.0004  .0007   .2  -.3   .3
M001 1 KELY P1 JPL       .0006 -.0007  .0025  .0000  .0001  .0027   .0   .0   .7
M001 1 KELY P NCL       -.0015  .0011 -.0041 -.0005  .0000 -.0044  -.3   .0 -1.5
M001 1 KELY P NOAA      -.0005 -.0005  .0030 -.0007  .0011  .0028  -.3   .5   .8
M001 1 KELY P EUR       -.0003 -.0008 -.0003 -.0007 -.0005 -.0001  -.3  -.1   .0

43201 SAINTE CROIX

Positions
M001 1 CRO1 TIE43201     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 CRO1 P CODE       .0008  .0053  .0058  .0029  .0068 -.0025   .8  1.5  -.5 98: 38
M001 1 CRO1 P1 JPL       .0011 -.0016  .0003  .0003 -.0003  .0019   .1  -.2   .5 97:195
M001 1 CRO1 P NCL        .0002  .0010 -.0009  .0006 -.0006 -.0010   .2  -.2  -.3 97:349
M001 1 CRO1 P NOAA       .0010 -.0063  .0050 -.0018  .0029  .0074  -.5  1.1  1.7 97:245
M001 1 CRO1 P CORS       .0026 -.0018  .0027  .0016  .0017  .0035   .5   .8   .9 97:305
M001 1 CRO1 P DGFI       .0025 -.0072  .0022 -.0009 -.0002  .0079  -.1   .0   .5 98: 71
S001 1 7615 TIE43201     .0014  .0008  .0052  .0016  .0050  .0015   .5  1.6   .5 97:  1
S001 1 7615 R GIUB       -.0006  .0099 -.0037  .0037 -.0007 -.0099  1.2  -.2 -2.6 95:245
S001 1 7615 R GSFC       .0007  .0001 -.0004  .0007 -.0004  .0001   .3  -.3   .0 97: 10
S001 1 7615 R SHA        .0026 -.0008  .0002  .0020 -.0004  .0018   .5  -.1   .4 95:147

Velocities
M001 1 CRO1 P CODE       .0041 -.0060  .0010  .0011 -.0012  .0072   .4  -.4  1.8
M001 1 CRO1 P1 JPL       .0002  .0007 -.0017  .0005 -.0015 -.0011   .2 -1.0  -.4
M001 1 CRO1 P NCL        .0031 -.0054  .0015  .0005 -.0004  .0064   .2  -.2  1.5
M001 1 CRO1 P NOAA       .0013 -.0018  .0005  .0004 -.0002  .0022   .1  -.1   .7
M001 1 CRO1 P CORS       .0011 -.0014 -.0002  .0004 -.0007  .0016   .2  -.4   .5
M001 1 CRO1 P DGFI       .0024 -.0049 -.0008  .0000 -.0024  .0049   .0  -.4   .4
S001 1 7615 R GIUB       -.0009  .0008  .0005 -.0005  .0008 -.0009  -.3   .4  -.3
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S001 1 7615 R GSFC       .0005 -.0007  .0007  .0001  .0004  .0010   .3   .9  1.5
S001 1 7615 R SHA      -.0022  .0055 -.0012  .0004  .0007 -.0060   .2   .4 -2.5

43401 BRIDGETOWN

Positions
S001 1 BARB P CODE       .0096 -.0127  .0101  .0019  .0063  .0177   .4  1.1  3.1 99:  3
S001 1 BARB P GFZ      -.0039  .0100 -.0056  .0017 -.0030 -.0115   .4  -.9 -2.3 99: 74
S001 1 BARB P IGS      -.0007  .0007  .0004 -.0003  .0006 -.0009  -.1   .4  -.3 99:127
S001 1 BARB P NOAA       .0053 -.0100  .0067 -.0005  .0040  .0125  -.1   .8  1.2 98:346
S001 1 BARB P DGFI       .0119 -.0088  .0114  .0058  .0080  .0159   .4  1.1   .9 99:330

Velocities
S001 1 BARB P CODE     -.0012  .0006 -.0011 -.0008 -.0008 -.0013  -.1  -.2  -.2
S001 1 BARB P GFZ      -.0010 -.0018 -.0007 -.0018 -.0009  .0009  -.4  -.3   .1
S001 1 BARB P IGS        .0002  .0001  .0009  .0002  .0009  .0002   .1   .5   .1
S001 1 BARB P NOAA     -.0043 -.0038 -.0014 -.0056 -.0016  .0007  -.5  -.3   .1
S001 1 BARB P DGFI       .0030 -.0067 -.0013 -.0008 -.0029  .0068   .0  -.3   .3

43602 GRAND TURK

Positions
M002 1 7068 L4 CSR     -.0446  .0482  .0682 -.0266  .0855 -.0309   .0   .0   .0 78:256

Velocities
M002 1 7068 L4 CSR       .0017 -.0010 -.0029  .0013 -.0032  .0003   .0   .0   .0

49801 POTATO POINT/ALA

Positions
S001 1      P GIA        .0006  .0006 -.0011 -.0002  .0002 -.0014   .0   .0  -.2 97:205

Velocities
S001 1      P GIA      -.0024 -.0019  .0038  .0002 -.0008  .0048   .0  -.1   .5

49802 GUSTAVUS/ALASKA

Positions
S001 1 GUS1 P CORS       .0003  .0006  .0005 -.0002  .0008  .0001  -.1   .2   .0 97:260
S002 1 GUS2 P CORS       .0014 -.0005 -.0001  .0014  .0005 -.0004   .6   .2  -.1 98:155
S002 1 GUS2 P GIA      -.0007  .0005  .0005 -.0008  .0001  .0005  -.4   .1   .2 97:330

Velocities
S001 1 GUS1 P CORS     -.0035  .0010  .0034 -.0032  .0003  .0039 -1.4   .1  1.1
S002 1 GUS2 P CORS       .0001 -.0015  .0005  .0011 -.0006  .0010   .5  -.2   .3
S002 1 GUS2 P GIA        .0003 -.0004 -.0007  .0004 -.0004 -.0005   .3  -.2  -.2

49803 CAPE HINCHINBROO

Positions
S001 1 CHI1 P CORS     -.0014 -.0003 -.0004 -.0005 -.0013  .0003  -.1  -.2   .0 97:296
S001 1 CHI1 P GIA        .0003  .0005 -.0002 -.0002  .0004 -.0005  -.1   .1  -.2 97:267

Velocities
S001 1 CHI1 P CORS       .0028  .0009 -.0018  .0008  .0016 -.0030   .1   .2  -.3
S001 1 CHI1 P GIA      -.0009 -.0007  .0011  .0001 -.0004  .0015   .0  -.1   .3

49804 COLD BAY/ALASKA

Positions
S001 1 BAY1 P CORS       .0021  .0035  .0003 -.0027  .0027 -.0015 -1.3   .9  -.5 97:352
S001 1 BAY1 P GIA      -.0011 -.0010 -.0013  .0006 -.0018 -.0003   .3  -.9  -.1 97:174

Velocities
S001 1 BAY1 P CORS     -.0003 -.0013 -.0005  .0012 -.0009  .0000   .7  -.4   .0
S001 1 BAY1 P GIA      -.0006  .0004  .0005 -.0006 -.0001  .0006  -.4  -.1   .3

49839 ORONO

Positions
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S001 1 ORO_ P CORS      -.0006 -.0005  .0000 -.0007 -.0002  .0002  -.3  -.1   .1 98:288

Velocities
S001 1 ORO_ P CORS       .0001  .0003 -.0008  .0002 -.0004 -.0007   .1  -.1  -.2

49840 BRUNSWICK

Positions
S001 1 BRU1 P CORS      -.0007 -.0003  .0003 -.0008  .0001  .0002  -.4   .1   .1 98:  3

Velocities
S001 1 BRU1 P CORS       .0002  .0000 -.0005  .0002 -.0004 -.0003   .1  -.2  -.1

49841 CHATHAM

Positions
S001 1 CHT1 P CORS      -.0007 -.0003  .0003 -.0007  .0002  .0002  -.4   .1   .1 97:322

Velocities
S001 1 CHT1 P CORS       .0002 -.0001 -.0004  .0001 -.0004 -.0002   .1  -.2  -.1

49842 NEW CASTLE

Positions
S002 1 POR2 P CORS      -.0008 -.0003  .0005 -.0009  .0004  .0003  -.5   .2   .1 97:136

Velocities
S002 1 POR2 P CORS       .0002 -.0001 -.0003  .0001 -.0004 -.0001   .1  -.2   .0

49843 MONTAUK POINT

Positions
S001 1 MNP1 P CORS      -.0008 -.0002  .0005 -.0008  .0004  .0003  -.4   .2   .1 97: 97

Velocities
S001 1 MNP1 P CORS       .0002 -.0001 -.0003  .0001 -.0003 -.0001   .1  -.1   .0

49844 MONTPELIER

Positions
S001 1 VCAP P CORS      -.0006 -.0004  .0000 -.0006 -.0002  .0001  -.3  -.1   .0 98:263

Velocities
S001 1 VCAP P CORS       .0002  .0002 -.0006  .0002 -.0003 -.0006   .1  -.1  -.1

49845 CAPE HENLOPEN

Positions
S001 1 CHL1 P CORS      -.0005 -.0001  .0002 -.0005  .0001  .0001  -.4   .1   .1 97:283

Velocities
S001 1 CHL1 P CORS       .0001  .0001 -.0004  .0001 -.0003 -.0003   .1  -.2  -.2

49846 KITTY HAWK

Positions
S001 1 DUCK P CORS      -.0003  .0000 -.0001 -.0003  .0000 -.0002  -.1   .0  -.1 98:290

Velocities
S001 1 DUCK P CORS       .0001  .0001 -.0004  .0002 -.0003 -.0003   .0  -.1  -.1

49847 CAPE HENRY

Positions
S001 1 CHR1 P CORS      -.0004 -.0001  .0002 -.0005  .0002  .0001  -.3   .1   .0 97:296

Velocities
S001 1 CHR1 P CORS       .0001  .0001 -.0003  .0001 -.0002 -.0002   .1  -.1  -.1

49848 RICHMOND
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Positions
S001 1 RIC1 P CORS      -.0003  .0000 -.0002 -.0003 -.0001 -.0002  -.2   .0  -.1 98:277

Velocities
S001 1 RIC1 P CORS       .0001  .0001 -.0004  .0002 -.0003 -.0003   .1  -.1  -.1

49849 YOUNGSTOWN

Positions
S001 1 YOU1 P CORS      -.0005 -.0004  .0001 -.0005 -.0001  .0003  -.3   .0   .1 98: 65

Velocities
S001 1 YOU1 P CORS       .0002  .0003 -.0005  .0002 -.0002 -.0005   .2  -.1  -.2

49850 PITTSBURGH

Positions
S001 1 PIT1 P CORS      -.0003 -.0001 -.0002 -.0003 -.0002 -.0001  -.2  -.1   .0 98:304

Velocities
S001 1 PIT1 P CORS       .0002  .0002 -.0004  .0002 -.0002 -.0004   .1   .0  -.1

49851 CHARLESTON

Positions
S001 1 CHA1 P CORS      -.0001  .0001  .0002 -.0001  .0003  .0000  -.1   .1   .0 97:341

Velocities
S001 1 CHA1 P CORS       .0001  .0000  .0000  .0001  .0000  .0000   .1   .0   .0

49852 KEY WEST NAVAL

Positions
S001 1 KYW1 P CORS       .0002  .0006  .0003  .0003  .0005 -.0003   .2   .2  -.1 98:183

Velocities
S001 1 KYW1 P CORS       .0002 -.0004  .0005  .0001  .0003  .0006   .1   .1   .1

49853 ASHEVILLE

Positions
S001 1 ASHV P CORS      -.0001  .0001  .0001 -.0001  .0001  .0000   .0   .0   .0 98:300

Velocities
S001 1 ASHV P CORS       .0002 -.0001  .0001  .0002  .0000  .0002   .1   .0   .0

49854 DETROIT

Positions
S001 1 DET1 P CORS      -.0004 -.0003  .0001 -.0004 -.0001  .0003  -.3   .0   .1 98: 33

Velocities
S001 1 DET1 P CORS       .0002  .0003 -.0003  .0002  .0000 -.0004   .2   .0  -.2

49855 NEEBISH ISLAND

Positions
S003 1 NEB3 P CORS      -.0004 -.0005  .0002 -.0005 -.0002  .0004  -.3  -.1   .2 98: 14

Velocities
S003 1 NEB3 P CORS       .0002  .0004 -.0003  .0002  .0000 -.0005   .2   .0  -.2

49856 CHEBOYGAN

Positions
S001 1 CHB1 P CORS      -.0004 -.0005  .0002 -.0005 -.0002  .0004  -.3  -.1   .2 97:333

Velocities
S001 1 CHB1 P CORS       .0002  .0003 -.0003  .0002  .0000 -.0004   .2   .0  -.3
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49857 CINCINNATI

Positions
S001 1 GALB P CORS      -.0002  .0000 -.0001 -.0002  .0000 -.0001  -.1   .0   .0 99:332

Velocities
S001 1 GALB P CORS       .0003  .0000  .0001  .0003  .0000  .0001   .1   .0   .0

49858 MARIETTA

Positions
S001 1 ATL1 P CORS       .0000  .0002  .0001  .0000  .0002 -.0002   .0   .1   .0 99:312

Velocities
S001 1 ATL1 P CORS       .0003 -.0007  .0006  .0002  .0001  .0010   .1   .0   .2

49859 ERLANDER

Positions
S001 1 ERLA P CORS      -.0002  .0000  .0000 -.0002  .0000  .0000  -.1   .0   .0 98:290

Velocities
S001 1 ERLA P CORS       .0002  .0001  .0000  .0002  .0000 -.0001   .1   .0   .0

49860 WHITEFISH POINT

Positions
S001 1 WHP1 P CORS      -.0005 -.0005  .0002 -.0005 -.0002  .0005  -.3  -.1   .2 97:287

Velocities
S001 1 WHP1 P CORS       .0002  .0004 -.0003  .0002  .0000 -.0005   .2   .0  -.3

49861 STURGEON BAY

Positions
S001 1 STB1 P CORS      -.0004 -.0004  .0001 -.0004 -.0002  .0003  -.3  -.1   .1 97:361

Velocities
S001 1 STB1 P CORS       .0002  .0003 -.0002  .0002  .0001 -.0004   .2   .0  -.2

49862 MILWAUKEE

Positions
S001 1 MIL1 P CORS      -.0003 -.0003  .0001 -.0003 -.0002  .0002  -.2  -.1   .1 98: 18

Velocities
S001 1 MIL1 P CORS       .0002  .0003 -.0002  .0002  .0001 -.0003   .2   .0  -.2

49863 MOBILE

Positions
S001 1 MOB1 P CORS       .0001  .0002  .0000  .0001  .0001 -.0002   .1   .1  -.1 98: 28

Velocities
S001 1 MOB1 P CORS       .0000  .0001  .0001  .0000  .0001  .0000   .0   .1   .0

49864 UPPER KEWEENAW

Positions
S001 1 KEW1 P CORS      -.0003 -.0003  .0000 -.0003 -.0002  .0003  -.2  -.1   .1 98: 62

Velocities
S001 1 KEW1 P CORS       .0002  .0004 -.0003  .0002  .0001 -.0005   .1   .0  -.2

49865 SUMMERFIELD

Positions
S003 1 STL3 P CORS      -.0001 -.0001  .0000 -.0001 -.0001  .0000  -.1   .0   .0 98: 59
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Velocities
S003 1 STL3 P CORS       .0001  .0003 -.0001  .0001  .0001 -.0002   .1   .1  -.1

49866 ENGLISH TURN

Positions
S001 1 ENG1 P CORS       .0002  .0002 -.0001  .0002  .0001 -.0002   .1   .0  -.1 97:364

Velocities
S001 1 ENG1 P CORS       .0000  .0001  .0001  .0000  .0002  .0000   .0   .1   .0

49867 FRENCH BAYOU

Positions
S002 1 MEM2 P CORS       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:360

Velocities
S002 1 MEM2 P CORS       .0000  .0002  .0000  .0000  .0001 -.0002   .0   .1  -.1

49868 TEEDS GROVE

Positions
S001 1 RIS1 P CORS      -.0001  .0000 -.0001 -.0001 -.0001 -.0001  -.1   .0   .0 98:278

Velocities
S001 1 RIS1 P CORS       .0001  .0002 -.0001  .0001  .0001 -.0002   .1   .0  -.1

49869 VICKSBURG

Positions
S001 1 VIC1 P CORS       .0001  .0001 -.0001  .0001  .0000 -.0001   .1   .0   .0 97:313

Velocities
S001 1 VIC1 P CORS       .0000  .0002  .0001  .0000  .0002 -.0001   .0   .1  -.1

49870 ALMA

Positions
S001 1 STP1 P CORS      -.0002 -.0002 -.0001 -.0002 -.0002  .0000  -.1  -.1   .0 98:112

Velocities
S001 1 STP1 P CORS       .0001  .0004 -.0002  .0001  .0001 -.0004   .1   .0  -.1

49871 WISCONSIN POINT

Positions
S001 1 WIS1 P CORS      -.0003 -.0003 -.0001 -.0002 -.0002  .0002  -.2  -.1   .1 98: 65

Velocities
S001 1 WIS1 P CORS       .0001  .0004 -.0002  .0001  .0001 -.0005   .1   .1  -.2

49872 GALVESTON

Positions
S001 1 GAL1 P CORS       .0003  .0003 -.0002  .0003  .0000 -.0004   .2   .0  -.2 97:338

Velocities
S001 1 GAL1 P CORS      -.0001  .0001  .0002 -.0001  .0002  .0000  -.1   .1   .0

49873 SALLISAW

Positions
S001 1 SAL1 P CORS       .0002  .0001 -.0001  .0002 -.0001 -.0002   .1   .0  -.1 98: 54

Velocities
S001 1 SAL1 P CORS       .0000  .0003  .0000 -.0001  .0002 -.0002   .0   .1  -.1

49874 PERRY

Positions
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S001 1 KAN1 P CORS       .0001  .0000 -.0001  .0001 -.0001 -.0001   .1   .0   .0 98:144

Velocities
S001 1 KAN1 P CORS       .0000  .0004 -.0001 -.0001  .0002 -.0003   .0   .1  -.1

49875 NEODESHA

Positions
S001 1 NDSK P CORS       .0002  .0001 -.0001  .0002 -.0001 -.0001   .1   .0  -.1 98:111

Velocities
S001 1 NDSK P CORS      -.0001  .0004  .0000 -.0001  .0002 -.0003  -.1   .1  -.1

49876 PALESTINE

Positions
S001 1 PATT P CORS       .0003  .0005 -.0002  .0002  .0001 -.0006   .1   .0  -.1 98:212

Velocities
S001 1 PATT P CORS      -.0001 -.0001  .0003 -.0001  .0002  .0003   .0   .1   .1

49877 MORRIS

Positions
S001 1 PATT P CORS       .0002 -.0001 -.0001  .0002 -.0001  .0000   .2  -.1   .0 97:282

Velocities
S001 1 PATT P CORS      -.0001  .0004  .0000 -.0001  .0002 -.0003  -.1   .1  -.2

49878 ARANSAS PASS

Positions
S003 1 ARP3 P CORS       .0005  .0005 -.0003  .0004 -.0001 -.0006   .2   .0  -.2 97:331

Velocities
S003 1 ARP3 P CORS      -.0001  .0001  .0002 -.0001  .0002  .0000  -.1   .1   .0

49879 HAVILAND

Positions
S001 1 HVLK P CORS       .0003  .0000 -.0002  .0003 -.0001 -.0002   .2  -.1  -.1 98: 59

Velocities
S001 1 HVLK P CORS      -.0001  .0004  .0000 -.0002  .0002 -.0003  -.1   .1  -.1

49880 WACHAPREAGUE

Positions
S001 1 VIMS P CORS      -.0003  .0004 -.0007 -.0002 -.0003 -.0008  -.1  -.1  -.3 97:337

Velocities
S001 1 VIMS P CORS      -.0001  .0003 -.0007 -.0001 -.0004 -.0007   .0  -.2  -.3

49881 JAYTON

Positions
S001 1 JTNT P CORS       .0004  .0005 -.0003  .0003  .0000 -.0006   .1   .0  -.2 98:217

Velocities
S001 1 JTNT P CORS      -.0002  .0001  .0002 -.0002  .0002  .0001  -.1   .1   .0

49882 GRANADA

Positions
S001 1 GDAC P CORS       .0003  .0002 -.0003  .0003 -.0001 -.0004   .2   .0  -.1 98:134

Velocities
S001 1 GDAC P CORS      -.0002  .0004  .0000 -.0002  .0002 -.0003  -.1   .1  -.1

49883 TUCUMCARI
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Positions
S001 1 TCUN P CORS       .0004  .0006 -.0004  .0002  .0001 -.0008   .1   .0  -.2 98:332

Velocities
S001 1 TCUN P CORS      -.0003  .0000  .0003 -.0003  .0002  .0003  -.1   .0   .1

49884 WHITE SANDS

Positions
S001 1 WSMN P CORS       .0007  .0002 -.0005  .0007 -.0003 -.0006   .3  -.1  -.2 97:225

Velocities
S001 1 WSMN P CORS      -.0002  .0004  .0001 -.0003  .0003 -.0002  -.2   .2  -.1

49885 SALT LAKE CITY

Positions
S001 1 RBUT P CORS       .0004 -.0003 -.0001  .0004 -.0002  .0000   .1   .0   .0 98:231

Velocities
S001 1 RBUT P CORS      -.0006 -.0004  .0005 -.0004  .0000  .0007  -.1   .0   .1

49886 POINT LOMA

Positions
S003 1 PLO3 P CORS       .0007 -.0009  .0002  .0010 -.0001  .0005   .4  -.1   .2 98: 80

Velocities
S003 1 PLO3 P CORS      -.0006 -.0001  .0002 -.0005  .0000  .0005  -.2   .0   .2

49887 POINT ARGUELLO

Positions
S001 1 PAR1 P CORS       .0008 -.0012  .0002  .0013 -.0002  .0006   .5  -.1   .2 97:340

Velocities
S001 1 PAR1 P CORS      -.0007 -.0005  .0004 -.0004 -.0001  .0009  -.1   .0   .2

49888 APPLETON

Positions
S001 1 GWEN P CORS       .0005 -.0006  .0002  .0007 -.0001  .0003   .3   .0   .1 98:200

Velocities
S001 1 GWEN P CORS      -.0004  .0000  .0002 -.0004 -.0001  .0003  -.1   .0   .1

49889 ROBINSON POINT

Positions
S001 1 RPT1 P CORS       .0007 -.0007  .0001  .0010  .0000  .0002   .5   .0   .1 97:322

Velocities
S001 1 RPT1 P CORS      -.0004  .0001  .0001 -.0004 -.0001  .0002  -.2   .0   .1

49890 PIGEON POINT

Positions
S001 1 PPT1 P CORS       .0006 -.0015  .0005  .0013 -.0002  .0010   .6  -.1   .4 97:359

Velocities
S001 1 PPT1 P CORS      -.0008 -.0006  .0004 -.0004 -.0002  .0010  -.2  -.1   .5

49891 POINT BLUNT

Positions
S001 1 PBL1 P CORS       .0007 -.0015  .0005  .0014 -.0002  .0010   .6  -.1   .4 97:299

Velocities
S001 1 PBL1 P CORS      -.0007 -.0005  .0004 -.0003 -.0002  .0009  -.2  -.1   .5
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49892 WHIDBEY ISLAND

Positions
S001 1 WHD1 P CORS       .0007 -.0006  .0001  .0009  .0000  .0002   .4   .0   .1 98:  6

Velocities
S001 1 WHD1 P CORS      -.0004  .0001  .0000 -.0004 -.0001  .0001  -.2   .0   .1

49893 FORT STEVENS

Positions
S001 1 FTS1 P CORS       .0007 -.0007  .0001  .0009  .0000  .0002   .5   .0   .1 98: 17

Velocities
S001 1 FTS1 P CORS      -.0005 -.0001  .0002 -.0003 -.0001  .0004  -.2   .0   .2

49894 MENDOCINO

Positions
S001 1 CME1 P CORS       .0006 -.0014  .0005  .0013 -.0001  .0010   .6  -.1   .4 98:  9

Velocities
S001 1 CME1 P CORS      -.0007 -.0005  .0004 -.0003 -.0003  .0009  -.2  -.1   .4

49895 UPOLU POINT

Positions
S001 1 UPO1 P CORS       .0005  .0016 -.0009 -.0012 -.0005 -.0013  -.4  -.2  -.3 98: 11

Velocities
S001 1 UPO1 P CORS       .0009  .0003 -.0003  .0001  .0000 -.0010   .0   .0  -.3

49896 KOKOLE POINT

Positions
S001 1 KOK1 P CORS       .0001  .0015 -.0007 -.0014 -.0004 -.0009  -.4  -.2  -.2 98: 21

Velocities
S001 1 KOK1 P CORS       .0009  .0003 -.0005  .0000 -.0001 -.0011   .0   .0  -.3

49901 WRIGHTWOOD

Positions
M001 1 TABL P NOAA       .0011 -.0017  .0008  .0018  .0001  .0013   .6   .0   .4 97:283
M001 1 TABL P2 JPL       .0023 -.0050 -.0007  .0044 -.0025  .0023   .1  -.1   .1 99:236

Velocities
M001 1 TABL P NOAA       .0014  .0009 -.0001  .0008  .0007 -.0012   .4   .3  -.5
M001 1 TABL P2 JPL       .0003 -.0005 -.0005  .0005 -.0006 -.0001   .1  -.2   .0

49902 MOUNT LEE

Positions
M001 1 LEEP P NOAA       .0008 -.0023  .0012  .0018  .0001  .0020   .7   .0   .7 97:226
M001 1 LEEP P2 JPL       .0002  .0021 -.0024 -.0008 -.0009 -.0030  -.2  -.3  -.8 97:311

Velocities
M001 1 LEEP P NOAA       .0015  .0008 -.0001  .0009  .0007 -.0013   .5   .4  -.6
M001 1 LEEP P2 JPL      -.0011 -.0008 -.0005 -.0006 -.0011  .0007  -.2  -.4   .3

49903 HOLLYDALE

Positions
M001 1 HOLP P NOAA       .0011 -.0012  .0005  .0016  .0001  .0007   .6   .0   .3 97:220
M001 1 HOLP P2 JPL      -.0045 -.0128  .0042  .0020 -.0040  .0135   .4  -.7  2.2 98:347

Velocities
M001 1 HOLP P NOAA       .0014  .0010 -.0003  .0008  .0006 -.0014   .4   .3  -.7
M001 1 HOLP P2 JPL       .0074  .0133 -.0057  .0002  .0038 -.0158   .0   .6 -2.3
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49904 DURMID HILL

Positions
M001 1 DHLG P2 JPL       .0186  .0168  .0109  .0094  .0219 -.0134   .4   .8  -.4 99:284

Velocities
M001 1 DHLG P2 JPL      -.0006 -.0010  .0000 -.0001 -.0007  .0010   .0  -.2   .2

49905 PACOIMA

Positions
M001 1 DAM1 P NOAA       .0011 -.0017  .0007  .0018  .0000  .0012   .6   .0   .4 98: 67
M001 1 DAM1 P2 JPL       .0004  .0000 -.0009  .0004 -.0006 -.0006   .1  -.2  -.1 97:326
M002 1 DAM2 P2 JPL       .0001 -.0007  .0001  .0004 -.0002  .0005   .1  -.1   .1 98: 50
M003 1 CMP9 P NOAA       .0010 -.0019  .0008  .0018  .0000  .0015   .7   .0   .5 97:244
M003 1 CMP9 P2 JPL       .0008  .0025  .0002 -.0005  .0016 -.0020  -.1   .4  -.5 97:316

Velocities
M001 1 DAM1 P NOAA       .0028  .0021  .0002  .0015  .0020 -.0025   .6   .7  -.8
M001 1 DAM1 P2 JPL       .0012 -.0001  .0003  .0011  .0006 -.0002   .4   .2  -.1
M002 1 DAM2 P2 JPL       .0007 -.0007 -.0010  .0010 -.0010 -.0004   .3  -.2  -.1
M003 1 CMP9 P NOAA       .0009  .0002 -.0001  .0007  .0002 -.0006   .4   .1  -.3
M003 1 CMP9 P2 JPL      -.0008  .0009 -.0001 -.0012  .0001 -.0004  -.4   .0  -.1

49906 CLAREMONT/LA VER

Positions
M001 1 CLAR P NOAA       .0010 -.0015  .0006  .0016  .0000  .0011   .6   .0   .4 97:226
M001 1 CLAR P2 JPL      -.0009 -.0032  .0011  .0007 -.0010  .0033   .2  -.3   .9 97:335

Velocities
M001 1 CLAR P NOAA       .0013  .0011 -.0001  .0007  .0008 -.0014   .4   .4  -.7
M001 1 CLAR P2 JPL       .0003 -.0020 -.0010  .0011 -.0017  .0008   .4  -.6   .3

49907 SOLOMONS ISLAND

Positions
S001 1 SOL1 P IGS       -.0018  .0038 -.0037 -.0009 -.0004 -.0055  -.2  -.1 -1.0 98:359
S001 1 SOL1 P1 JPL      -.0003  .0002  .0001 -.0003  .0002 -.0001  -.2   .1   .0 97:363
S001 1 SOL1 P CORS       .0000 -.0003  .0000 -.0001 -.0002  .0003   .0  -.1   .1 97:144

Velocities
S001 1 SOL1 P IGS       -.0028  .0023 -.0035 -.0022 -.0009 -.0045  -.3  -.1  -.4
S001 1 SOL1 P1 JPL       .0003  .0008  .0002  .0005  .0006 -.0004   .3   .3  -.2
S001 1 SOL1 P CORS       .0000  .0000 -.0006  .0000 -.0005 -.0003   .0  -.3  -.2

49908 ANNAPOLIS

Positions
S001 1 USNA P IGS       -.0010 -.0012 -.0011 -.0012 -.0015  .0000  -.3  -.3   .0 98:325
S001 1 USNA P1 JPL       .0001  .0006  .0001  .0002  .0004 -.0003   .1   .2  -.1 98: 20

Velocities
S001 1 USNA P IGS       -.0013  .0005 -.0051 -.0012 -.0034 -.0038  -.2  -.4  -.4
S001 1 USNA P1 JPL       .0000  .0006  .0000  .0001  .0004 -.0004   .1   .2  -.2

49909 SAN NICOLAS ISLA

Positions
S001 1 SNI1 P2 JPL       .0004  .0003  .0000  .0002  .0003 -.0004   .0   .1  -.1 98:175

Velocities
S001 1 SNI1 P2 JPL      -.0001 -.0005  .0002  .0002 -.0001  .0005   .1   .0   .1

49910 NORTHRIDGE

Positions
S001 1 CSN1 P2 JPL       .0211  .0198  .0078  .0091  .0219 -.0183   .3   .8  -.6 99:218
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Velocities
S001 1 CSN1 P2 JPL      -.0005 -.0011  .0000  .0001 -.0007  .0010   .0  -.2   .2

49911 AZUSA

Positions
M001 1 AZU1 P2 JPL       .0003  .0001  .0001  .0002  .0002 -.0001   .0   .0   .0 98:178

Velocities
M001 1 AZU1 P2 JPL      -.0001 -.0011  .0003  .0004 -.0004  .0010   .1  -.1   .2

49912 TORRANCE AIRPORT

Positions
M001 1 TORP P2 JPL       .0003  .0002  .0000  .0001  .0002 -.0002   .0   .0   .0 98:203

Velocities
M001 1 TORP P2 JPL      -.0003 -.0015  .0003  .0005 -.0006  .0014   .1  -.1   .2

49913 HORN POINT

Positions
S001 1 HNPT P1 JPL       .0001 -.0001  .0014  .0001  .0010  .0010   .1   .4   .3 98:174
S001 1 HNPT P CORS      -.0015  .0030 -.0054 -.0007 -.0022 -.0059  -.2  -.4 -1.1 98:339

Velocities
S001 1 HNPT P1 JPL       .0007  .0002  .0001  .0008  .0001  .0000   .3   .0   .0
S001 1 HNPT P CORS      -.0003 -.0002  .0001 -.0003  .0000  .0002  -.2   .0   .1

49914 KEYBISCAYNE/MIAM

Positions
S001 1 AOML P CODE       .0051 -.0081  .0095  .0037  .0048  .0121  1.0   .8  2.0 99:140
S001 1 AOML P GFZ        .0000  .0077 -.0068  .0013 -.0028 -.0098   .5  -.8 -2.3 99:155
S001 1 AOML P IGS       -.0007  .0005  .0003 -.0006  .0005 -.0004  -.4   .2  -.1 99:251
S001 1 AOML P NOAA      -.0009 -.0072  .0050 -.0021  .0015  .0084  -.6   .4  1.8 98:290
S001 1 AOML P CORS       .0003  .0011  .0006  .0005  .0010 -.0007   .2   .4  -.2 98:316
S002 1 MIA1 P CORS       .0000  .0007  .0001  .0001  .0003 -.0006   .0   .1  -.2 97: 83

Velocities
S001 1 AOML P CODE       .0017 -.0009 -.0015  .0015 -.0019  .0005   .3  -.2   .0
S001 1 AOML P GFZ        .0014 -.0007  .0003  .0012 -.0001  .0010   .5   .0   .2
S001 1 AOML P IGS       -.0010  .0006 -.0003 -.0009  .0001 -.0008  -.5   .0  -.2
S001 1 AOML P NOAA       .0016 -.0039  .0030  .0009  .0009  .0050   .2   .2   .7
S001 1 AOML P CORS       .0001 -.0005  .0014  .0000  .0010  .0010   .0   .3   .2
S002 1 MIA1 P CORS       .0001 -.0001  .0001  .0001  .0001  .0002   .0   .0   .0

49915 SAN CLEMENTE ISL

Positions
M001 1 SCIP P NOAA       .0027 -.0006  .0005  .0026  .0008 -.0004   .7   .2  -.1 98:296

Velocities
M001 1 SCIP P NOAA       .0016  .0010 -.0001  .0009  .0008 -.0014   .2   .2  -.3

49917 WIDE CANYON

Positions
M001 1 WIDE P NOAA       .0023 -.0009  .0006  .0024  .0006  .0002   .7   .2   .1 98:222

Velocities
M001 1 WIDE P NOAA       .0015  .0011 -.0002  .0009  .0007 -.0015   .3   .2  -.4

49935 COLLEGE/ALASKA

Positions
M001 1 CLGO P IGS       -.0051 -.0072  .0121  .0034 -.0023  .0144   .4  -.2  1.1  0:246
M001 1 CLGO P GIA        .0001  .0001 -.0003  .0000  .0000 -.0004   .0   .0  -.2 97:188

Velocities
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M001 1 CLGO P IGS       -.0018 -.0103 -.0086  .0077 -.0100 -.0048   .2  -.2  -.1
M001 1 CLGO P GIA        .0000  .0005 -.0004 -.0004  .0001 -.0005  -.4   .1  -.3

49936 GARNER/ALASKA

Positions
M001 1 GRNR P GIA        .0005  .0007 -.0015 -.0003  .0000 -.0017  -.1   .0  -.3 98: 30

Velocities
M001 1 GRNR P GIA        .0029  .0017 -.0071  .0000 -.0001 -.0079   .0   .0  -.6

49995 KENAI/ALASKA

Positions
S001 1 KEN1 P CORS       .0005  .0018 -.0012 -.0013  .0005 -.0017  -.7   .2  -.6 98:  6
S001 1 KEN1 P GIA        .0009 -.0001  .0001  .0005  .0007 -.0003   .3   .3  -.1 97:246

Velocities
S001 1 KEN1 P CORS       .0007 -.0005 -.0009  .0008 -.0001 -.0010   .5  -.1  -.4
S001 1 KEN1 P GIA       -.0014  .0002  .0007 -.0008 -.0007  .0011  -.7  -.5   .7

49997 CENTRAL/ALASKA

Positions
S001 1 CENA P GIA        .0004  .0021 -.0027 -.0014  .0003 -.0030  -.2   .0  -.4 98:233

Velocities
S001 1 CENA P GIA        .0021 -.0007 -.0016  .0017  .0005 -.0020   .2   .1  -.2

49998 ANNETTE ISLAND/A

Positions
S001 1 AIS1 P CORS       .0003 -.0011  .0016  .0010  .0004  .0017   .5   .2   .7 98: 11
S001 1 AIS1 P GIA        .0001  .0003 -.0004 -.0001  .0000 -.0005   .0   .0  -.3 97:164

Velocities
S001 1 AIS1 P CORS      -.0011 -.0012  .0021  .0000 -.0001  .0027   .0   .0  1.2
S001 1 AIS1 P GIA       -.0003  .0005 -.0003 -.0006  .0000 -.0004  -.4   .0  -.2

50103 CANBERRA

Positions
M106 1 7843 TIEAUS01     .0013 -.0009  .0014  .0001  .0002 -.0021   .0   .1 -1.2 97:  1
M107 1 ORRO TIEAUS01     .0015 -.0009  .0012  .0000 -.0001 -.0021   .0  -.1 -2.5 97:  1
M108 1 TIDB TIEAUS01     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .1 97:  1
M108 1 TIDB TIEAUS03     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M108 1 TIDB TIEAUS05     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M108 1 TIDB P CODE       .0069 -.0053  .0135  .0010  .0060 -.0149   .1   .8 -1.9 96:352
M108 1 TIDB P GFZ        .0010 -.0077  .0020  .0060 -.0011 -.0051  1.6  -.3 -1.4 97:281
M108 1 TIDB P IGS        .0004 -.0004  .0007  .0001  .0002 -.0009   .1   .2  -.7 98:141
M108 1 TIDB P1 JPL       .0029  .0006 -.0009 -.0020 -.0020 -.0013  -.8  -.8  -.5 98: 54
M108 1 TIDB P NOAA       .0044  .0014  .0008 -.0035 -.0011 -.0030  -.9  -.3  -.8 98: 48
M108 1 TIDB P SCAR       .0061  .0001  .0005 -.0033 -.0026 -.0045  -.5  -.3  -.6 97:103
M108 2 TIDB P CODE      -.0044  .0046  .0014 -.0017  .0047  .0042  -.4  1.0   .9 98: 84
M108 2 TIDB P GFZ        .0026 -.0060  .0012  .0038 -.0021 -.0051  1.1  -.6 -1.4 98: 77
M108 2 TIDB P1 JPL       .0039  .0014 -.0006 -.0032 -.0020 -.0018 -1.4  -.9  -.7 98:127
M108 2 TIDB P NCL        .0091 -.0059  .0118  .0004  .0033 -.0156   .0   .3 -1.4 96:133
S001 1 1543 R GSFC       .0693  .0417  .0237 -.0715 -.0026 -.0446   .0   .0   .0 91:227
S001 1 1543 R SHA        .0105 -.0083  .0228  .0017  .0109 -.0240   .0   .0   .0 91:186
S003 1 7943 L4 CSR       .0450 -.0334 -.0251  .0054 -.0530 -.0307   .1  -.8  -.4 80:175
S007 1 7843 TIEAUS01     .0035  .0019  .0025 -.0034  .0009 -.0031 -1.8   .5 -1.8 97:  1
S007 1 7843 L AUS       -.0202  .0063 -.0250  .0051 -.0084  .0313   .2  -.3  1.0 95:298
S007 1 7843 L CGS       -.0194 -.0025 -.0030  .0121  .0065  .0142  1.8  1.0  2.2 94:275
S007 1 7843 L CRL       -.0061 -.0005 -.0011  .0036  .0020  .0047   .4   .2   .5 91:247
S007 1 7843 L4 CSR      -.0052 -.0038 -.0013  .0059  .0004  .0028   .9   .1   .3 92:334
S007 1 7843 L DEOS      -.0252  .0058 -.0102  .0080  .0061  .0259   .3   .2   .9 92:333
S007 1 7843 L DGFI      -.0272  .0055 -.0068  .0093  .0097  .0252   .5   .5  1.3 94: 69
S007 1 7843 C GRIM      -.0131  .0148 -.0186 -.0059 -.0042  .0261  -.3  -.2  1.1 93:  1
S010 1 1545 TIEAUS03    -.0006  .0032  .0046 -.0024  .0050 -.0009  -.7  1.5  -.3 97:  1
S010 1 1545 R GIUB       .0087 -.0027  .0006 -.0021 -.0046 -.0076  -.5 -1.0 -1.5 95: 14
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S010 1 1545 R GSFC       .0041 -.0017 -.0007 -.0007 -.0032 -.0032  -.2  -.7  -.6 94:307
S010 1 1545 R SHA        .0014 -.0009  .0028  .0000  .0013 -.0030   .0   .3  -.6 96: 38
S201 1 ORRA TIE50103     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S201 1 ORRA D GRGS      -.0326 -.0178  .0067  .0321  .0164  .0113   .8   .5   .3 94:197
S201 1 ORRA D9 IGN       .0182  .0156 -.0126 -.0228 -.0146  .0012  -.6  -.5   .0 94:158
S201 1 ORRA C GRIM      -.0179 -.0469  .0145  .0494  .0066 -.0157  1.6   .3  -.6 93:  1
S201 1 ORRA C1 CSR      -.0009  .0147  .0057 -.0121  .0095  .0035 -1.1  1.0   .3 94:115
S202 1 ORRB TIEAUS01     .0019 -.0011  .0013  .0000 -.0003 -.0025   .0  -.2 -1.7 97:  1
S202 1 ORRB TIE50103    -.0125  .0106  .0243 -.0026  .0292 -.0010  -.3  2.9  -.1 97:  1
S202 1 ORRB D GRGS      -.0663  .0178  .0147  .0190  .0504  .0450   .3  1.1   .9 97:269
S202 1 ORRB D9 IGN      -.0350  .0257 -.0139 -.0040  .0139  .0433  -.1   .3   .7 97:293
S202 1 ORRB C1 CSR      -.0241  .0295 -.0029 -.0129  .0185  .0308  -.7  1.3  2.0 97:247

Velocities
M108 1 TIDB P CODE       .0042 -.0007  .0020 -.0015 -.0006 -.0044  -.5  -.2 -1.3
M108 1 TIDB P GFZ        .0036  .0042 -.0020 -.0054 -.0022  .0004 -3.5 -1.4   .2
M108 1 TIDB P IGS        .0003  .0006 -.0002 -.0007 -.0002  .0001  -.7  -.2   .1
M108 1 TIDB P1 JPL       .0007 -.0003 -.0016 -.0001 -.0018  .0003   .0  -.9   .1
M108 1 TIDB P NOAA      -.0070  .0023 -.0036  .0016  .0012  .0080   .5   .4  2.7
M108 1 TIDB P SCAR      -.0040  .0028 -.0032 -.0003  .0003  .0058  -.1   .1  1.2
M108 2 TIDB P CODE       .0042 -.0007  .0020 -.0015 -.0006 -.0044  -.5  -.2 -1.3
M108 2 TIDB P GFZ        .0038  .0040 -.0023 -.0054 -.0026  .0003 -3.7 -1.8   .2
M108 2 TIDB P1 JPL      -.0002  .0000 -.0028  .0001 -.0022  .0018   .0  -.9   .7
M108 2 TIDB P NCL       -.0045 -.0003  .0007  .0026  .0027  .0026   .6   .6   .5
S001 1 1543 R GSFC      -.0082 -.0610  .0179  .0565  .0005 -.0303   .0   .0   .0
S001 1 1543 R SHA       -.0002 -.0007  .0007  .0007  .0005 -.0005   .0   .0   .0
S003 1 7943 L4 CSR      -.0039 -.0259  .0392  .0243  .0260 -.0310   .9   .8 -1.0
S007 1 7843 L AUS        .0065  .0016  .0022 -.0048 -.0010 -.0051  -.4  -.1  -.4
S007 1 7843 L CGS       -.0002  .0011  .0017 -.0008  .0018 -.0004  -.4   .8  -.2
S007 1 7843 L CRL       -.0023  .0018 -.0007 -.0004  .0011  .0027  -.1   .3   .6
S007 1 7843 L4 CSR      -.0029  .0009  .0022  .0007  .0035  .0012   .6  2.4   .8
S007 1 7843 L DEOS      -.0076  .0011  .0009  .0030  .0049  .0052   .2   .4   .4
S007 1 7843 L DGFI      -.0048  .0025  .0003  .0004  .0034  .0043   .1   .5   .6
S007 1 7843 C GRIM       .0263  .1062  .0454 -.1046  .0558 -.0002   .0   .0   .0
S010 1 1545 R GIUB      -.0016  .0005  .0008  .0004  .0016  .0008   .2  1.0   .4
S010 1 1545 R GSFC      -.0012  .0009  .0013 -.0002  .0019  .0005  -.2  2.3   .5
S010 1 1545 R SHA       -.0003  .0000  .0009  .0001  .0008 -.0003   .1   .5  -.2
S201 1 ORRA D GRGS      -.0217  .0143 -.0202 -.0011 -.0013  .0329   .0   .0  1.0
S201 1 ORRA D9 IGN      -.0019  .0084 -.0046 -.0062 -.0003  .0075  -.1   .0   .2
S201 1 ORRA C GRIM       .0263  .1062  .0454 -.1046  .0558 -.0002  -.1   .0   .0
S201 1 ORRA C1 CSR       .0042  .0003 -.0062 -.0025 -.0070  .0009  -.2  -.7   .1
S202 1 ORRB D GRGS      -.0217  .0143 -.0202 -.0011 -.0013  .0329   .0   .0  1.0
S202 1 ORRB D9 IGN       .0053 -.0267  .0005  .0202 -.0103 -.0152   .1  -.1  -.1
S202 1 ORRB C1 CSR       .0240 -.0040  .0171 -.0089  .0007 -.0284  -.2   .0  -.8

50107 YARRAGADEE

Positions
M001 1 7090 TIEAUS04     .0001  .0000 -.0001  .0000 -.0001  .0000  -.1  -.2  -.1 97:  1
M001 1 7090 L AUS        .0024 -.0006 -.0051 -.0019 -.0053  .0011  -.3  -.7   .2 96:181
M001 1 7090 L CGS       -.0111 -.0046 -.0001  .0120  .0002  .0005  1.9   .1   .1 93:257
M001 1 7090 L CRL        .0015 -.0042  .0094  .0005  .0060 -.0085   .1   .9 -1.1 91:186
M001 1 7090 L4 CSR      -.0026 -.0020  .0010  .0032  .0005 -.0011  1.0   .1  -.3 91:166
M001 1 7090 L DEOS      -.0118  .0011  .0088  .0102  .0106  .0010  1.3  1.3   .1 93:  3
M001 1 7090 L DGFI      -.0083 -.0024  .0098  .0085  .0092 -.0035  1.6  1.4  -.7 93: 52
M001 1 7090 L JCET       .0005 -.0031  .0015  .0009 -.0001 -.0033   .9  -.1 -2.8 96: 99
M001 1 7090 C GRIM       .0076  .0059 -.0042 -.0095 -.0027  .0039 -1.8 -1.2  1.2 93:  1
M001 1 7090 C1 CSR       .0002 -.0036  .0030  .0014  .0010 -.0043  1.2   .6 -3.1 96:149
M004 1 YAR1 TIEAUS04     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M004 1 YAR1 P CODE      -.0011  .0039  .0037 -.0006  .0051  .0017  -.2  1.1   .4 98: 11
M004 1 YAR1 P GFZ       -.0044 -.0001 -.0034  .0041 -.0021  .0032  1.2  -.6   .8 98:  3
M004 1 YAR1 P IGS        .0002 -.0011  .0007  .0002  .0001 -.0013   .2   .1  -.9 98:157
M004 1 YAR1 P NCL        .0009 -.0004  .0002 -.0006 -.0002 -.0008  -.2  -.1  -.3 98: 58
M004 1 YAR1 P NOAA      -.0077  .0092 -.0059  .0030  .0005  .0130   .7   .1  2.8 98:164
M004 1 YAR1 P SCAR       .0014 -.0054  .0022  .0011 -.0007 -.0058   .2  -.1  -.8 97: 12
M004 2 YAR1 P GFZ       -.0038  .0000 -.0035  .0034 -.0023  .0032  1.0  -.6   .8 98: 17
M006 1 YARR TIEAUS04     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S006 1 YARA TIEAUS04     .0001  .0059 -.0153 -.0026 -.0108  .0120  -.7 -2.5  2.9 97:  1
S006 1 YARA D GRGS       .0094 -.0259  .0211  .0026  .0051 -.0343   .1   .3 -1.7 96: 63
S006 1 YARA D9 IGN      -.0209  .0089 -.0026  .0150  .0060  .0161   .6   .3   .7 96: 13
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S006 1 YARA C GRIM      -.0004 -.0388  .0173  .0170 -.0018 -.0388  1.1  -.2 -3.1 93:  1
S006 1 YARA C1 CSR      -.0050 -.0089  .0144  .0084  .0097 -.0121  1.1  1.7 -1.8 96:121
S007 1      TIEAUS04     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S009 1 7847 L4 CSR      -.0958  .1435 -.0470  .0252  .0418  .1720   .0   .0   .0 96: 83
S009 1 7847 C GRIM       .0045  .0001 -.0018 -.0041 -.0025 -.0007   .0   .0   .0 91:300
S010 1 YARB TIEAUS04     .0001  .0000 -.0001 -.0001 -.0001  .0000  -.2  -.3   .0 97:  1
S010 1 YARB D9 IGN      -.0174  .0022  .0081  .0148  .0116  .0043   .2   .2   .1  0: 31
S010 1 YARB C1 CSR       .0227 -.0087  .0219 -.0168  .0106 -.0260  -.5   .4  -.9  0:  8

Velocities
M001 1 7090 L AUS        .0039  .0011  .0008 -.0040  .0004 -.0010 -1.5   .1  -.4
M001 1 7090 L CGS       -.0004 -.0005  .0024  .0006  .0019 -.0014   .3  1.8 -1.1
M001 1 7090 L CRL       -.0016  .0013  .0009  .0009  .0017  .0012   .3   .5   .4
M001 1 7090 L4 CSR      -.0023  .0006  .0024  .0018  .0029  .0002  1.6  2.7   .2
M001 1 7090 L DEOS      -.0051  .0005  .0014  .0044  .0025  .0017  1.4   .6   .3
M001 1 7090 L DGFI      -.0023  .0012  .0036  .0016  .0042  .0001   .8  1.9   .0
M001 1 7090 L JCET       .0002  .0002 -.0003 -.0003 -.0002  .0002  -.6  -.4   .4
M001 1 7090 C GRIM       .0730  .0639  .0499 -.0933  .0564 -.0011  -.1   .0   .0
M001 1 7090 C1 CSR       .0003  .0005 -.0005 -.0005 -.0003  .0005  -.9  -.4   .7
M004 1 YAR1 P CODE       .0011  .0026 -.0004 -.0021  .0005  .0018  -.8   .2   .6
M004 1 YAR1 P GFZ        .0044  .0019  .0001 -.0048  .0000 -.0002 -3.3   .0  -.1
M004 1 YAR1 P IGS       -.0005  .0035 -.0011 -.0010  .0007  .0035 -1.2   .7  3.2
M004 1 YAR1 P NCL       -.0011  .0027 -.0018 -.0002 -.0001  .0034  -.1  -.1  1.5
M004 1 YAR1 P NOAA      -.0001 -.0027  .0007  .0012 -.0006 -.0025   .4  -.2  -.7
M004 1 YAR1 P SCAR       .0020 -.0027  .0008 -.0006 -.0009 -.0033  -.2  -.2  -.7
M004 2 YAR1 P GFZ        .0045  .0021  .0002 -.0050  .0002 -.0001 -3.1   .1  -.1
S006 1 YARA D GRGS      -.0006 -.0101  .0054  .0048  .0003 -.0104   .3   .0  -.9
S006 1 YARA D9 IGN      -.0066  .0002  .0023  .0059  .0035  .0015   .5   .4   .1
S006 1 YARA C GRIM       .0730  .0638  .0499 -.0933  .0564 -.0011  -.1   .0   .0
S006 1 YARA C1 CSR       .0027  .0015  .0027 -.0030  .0025 -.0012  -.8   .9  -.4
S009 1 7847 L4 CSR      -.0604 -.0176  .0163  .0621  .0191  .0008   .0   .0   .0
S009 1 7847 C GRIM       .0041  .0020  .0010 -.0046  .0009 -.0004 -1.4   .8  -.2
S010 1 YARB D9 IGN      -.1054 -.0814  .0317  .1301  .0139 -.0403   .2   .0  -.1
S010 1 YARB C1 CSR      -.1475 -.1372 -.0702  .1920 -.0909 -.0191   .5  -.3  -.1

50108 PARKES

Positions
S001 1 7202 R GSFC       .0083 -.0023 -.0001 -.0024 -.0046 -.0069  -.1  -.2  -.2 93:154
S001 1 7202 R SHA        .0016 -.0024  .0006  .0012 -.0009 -.0025   .1   .0  -.1 94:260

Velocities
S001 1 7202 R GSFC      -.0128  .0088 -.0073 -.0007  .0023  .0170   .0   .1   .8
S001 1 7202 R SHA        .0108 -.0078  .0095  .0009  .0008 -.0163   .0   .0  -.8

50116 HOBART

Positions
M001 1 UF05 TIEAUS02    -.0009 -.0016  .0000  .0018 -.0001  .0000  1.4  -.1   .0 97:  1
M002 1 UF03 TIEAUS02    -.0009 -.0014  .0001  .0017  .0000  .0000  1.1   .0   .0 97:  1
M003 1 HOB1 TIEAUS02     .0000 -.0001 -.0001  .0001 -.0001  .0000   .1  -.2   .0 97:  1
M003 1 HOB1 P GFZ       -.0177 -.0186  .0075  .0252  .0088 -.0015  2.9   .9  -.2 94:361
M004 1 HOB2 TIEAUS02     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M004 1 HOB2 P CODE      -.0026  .0042  .0008 -.0022  .0036  .0027  -.5   .8   .6 98: 31
M004 1 HOB2 P GFZ        .0001 -.0039 -.0024  .0032 -.0033  .0001   .9  -.9   .0 98:186
M004 1 HOB2 P IGS        .0010 -.0012  .0022  .0005  .0007 -.0026   .4   .5 -1.8 98:253
M004 1 HOB2 P1 JPL       .0014 -.0003  .0000 -.0005 -.0009 -.0010  -.2  -.4  -.5 97:224
M004 1 HOB2 P NCL       -.0007 -.0004 -.0001  .0007  .0002  .0004   .3   .1   .1 98: 85
M004 1 HOB2 P NOAA       .0008  .0035 -.0021 -.0033 -.0008  .0023  -.9  -.2   .6 97:357
M004 1 HOB2 P2 IGN       .0000 -.0003  .0000  .0003 -.0001 -.0001   .1   .0   .0 98:285
M004 1 HOB2 P SCAR       .0038  .0006 -.0001 -.0026 -.0020 -.0020  -.4  -.3  -.3 97:220
S002 1 7242 TIEAUS02    -.0030 -.0049  .0000  .0058 -.0001 -.0001  2.9  -.1   .0 97:  1
S002 1 7242 R GIUB       .0105 -.0033  .0014 -.0029 -.0062 -.0088  -.6 -1.3 -1.8 95: 68
S002 1 7242 R GSFC       .0052 -.0005  .0010 -.0023 -.0024 -.0041  -.9  -.9 -1.5 95:183
S002 1 7242 R SHA        .0036 -.0002  .0030 -.0018  .0001 -.0043  -.6   .0 -1.3 96:100

Velocities
M003 1 HOB1 P GFZ        .0042  .0039 -.0007 -.0055 -.0015 -.0006 -2.9  -.8  -.3
M004 1 HOB2 P CODE       .0029 -.0005  .0023 -.0011 -.0001 -.0036  -.4   .0 -1.1
M004 1 HOB2 P GFZ        .0041  .0039 -.0006 -.0055 -.0014 -.0006 -3.5  -.8  -.3
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M004 1 HOB2 P IGS        .0010 -.0003  .0011 -.0003  .0001 -.0015  -.3   .1 -1.4
M004 1 HOB2 P1 JPL      -.0008  .0006 -.0030  .0000 -.0015  .0028   .0 -1.0  1.9
M004 1 HOB2 P NCL       -.0002 -.0016  .0004  .0015 -.0002 -.0008   .6  -.1  -.3
M004 1 HOB2 P NOAA      -.0045  .0010 -.0015  .0016  .0019  .0042   .6   .7  1.5
M004 1 HOB2 P2 IGN      -.0015  .0001 -.0014  .0007 -.0001  .0019   .3  -.1   .9
M004 1 HOB2 P SCAR      -.0011  .0002  .0008  .0004  .0013  .0002   .1   .3   .0
S002 1 7242 R GIUB       .0000  .0004  .0013 -.0004  .0011 -.0007  -.2   .6  -.4
S002 1 7242 R GSFC      -.0006  .0015  .0012 -.0010  .0017  .0001 -1.4  2.2   .2
S002 1 7242 R SHA        .0005  .0003  .0007 -.0005  .0003 -.0007  -.4   .2  -.5

50119 MOUNT STROMLO

Positions
M001 1 STR0 TIEAUS05     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 STR1 TIEAUS05     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7849 TIEAUS05     .0000  .0001  .0000 -.0001  .0000  .0000  -.1   .0   .1 97:  1
S001 1 7849 L AUS        .0082 -.0012 -.0112 -.0032 -.0135  .0002  -.5 -2.0   .0 99:283
S001 1 7849 L CGS       -.0079 -.0109  .0096  .0134  .0085 -.0046  1.1   .8  -.4 99: 79
S001 1 7849 L CRL       -.0039  .0003  .0013  .0018  .0031  .0021   .1   .1   .1 99: 29
S001 1 7849 L4 CSR      -.0102 -.0034  .0151  .0082  .0164 -.0030   .7  1.3  -.2 99:188
S001 1 7849 L DEOS      -.0100  .0010 -.0088  .0043 -.0019  .0125   .3  -.1   .8 93:  1
S001 1 7849 L DGFI      -.0104  .0002  .0090  .0052  .0125  .0021   .5  1.2   .2 96:145
S001 1 7849 L JCET      -.0058 -.0006  .0003  .0035  .0030  .0036   .6   .4   .6 99:261
S001 1 7849 C GRIM       .0156  .0310 -.0023 -.0346 -.0004  .0034 -1.5   .0   .2 99:  1
S001 1 7849 C1 CSR       .0044 -.0033  .0034  .0006 -.0004 -.0064   .1  -.1 -1.4 99:155
S002 1 MSOB TIEAUS05     .0000 -.0001  .0000  .0001  .0000  .0000   .1   .0   .0 97:  1
S002 1 MSOB D9 IGN       .0352  .0174 -.0194 -.0330 -.0281 -.0061  -.5  -.5  -.1 99:285
S002 1 MSOB C GRIM       .0418  .0012 -.0055 -.0226 -.0249 -.0256  -.4  -.6  -.5 99: 87
S002 1 MSOB C1 CSR       .0267  .0276  .0104 -.0374  .0035 -.0130 -1.9   .2  -.8 99:258

Velocities
S001 1 7849 L AUS       -.0200  .0094  .0233  .0022  .0317  .0045   .2  2.1   .3
S001 1 7849 L CGS       -.0081  .0058 -.0112 -.0008 -.0034  .0146   .0  -.2   .7
S001 1 7849 L CRL       -.0035  .0011  .0148  .0008  .0141 -.0056   .0   .7  -.3
S001 1 7849 L4 CSR       .0061 -.0041  .0104  .0003  .0043 -.0120   .0   .5 -1.4
S001 1 7849 L DEOS      -.0630  .0250  .0943  .0110  .1157  .0001   .0   .0   .0
S001 1 7849 L DGFI      -.0023  .0001  .0024  .0011  .0031  .0003   .5  1.4   .1
S001 1 7849 L JCET       .0112 -.0100  .0138  .0028  .0028 -.0201   .2   .2 -1.2
S001 1 7849 C GRIM       .0289  .1043  .0475 -.1043  .0555 -.0039  -.1   .0   .0
S001 1 7849 C1 CSR       .0047 -.0040  .0074  .0010  .0025 -.0092   .1   .3  -.9
S002 1 MSOB D9 IGN       .0426  .0020  .0330 -.0237  .0064 -.0480  -.1   .0  -.3
S002 1 MSOB C GRIM       .0048 -.0029  .0132  .0000  .0075 -.0122   .0   .3  -.5
S002 1 MSOB C1 CSR       .0118 -.0396  .0386  .0279  .0138 -.0472   .4   .3  -.8

50127 COCO ISLANDS

Positions
M001 1 COCO P CODE      -.0011  .0207  .0010 -.0013  .0053  .0200  -.3  1.0  2.8 98:227
M001 1 COCO P GFZ        .0018 -.0089  .0007 -.0007 -.0012 -.0090  -.2  -.3 -1.7 99:  3
M001 1 COCO P IGS        .0001 -.0003  .0000 -.0001  .0000 -.0003   .0   .0  -.1 98:220
M001 1 COCO P1 JPL       .0016 -.0063  .0012 -.0009 -.0002 -.0066  -.4  -.1 -1.1 98:  1
M001 1 COCO P NCL        .0005 -.0029  .0004 -.0002 -.0002 -.0029  -.1  -.1  -.6 97:208
M001 1 COCO P NOAA      -.0039  .0006 -.0026  .0038 -.0023  .0016   .8  -.7   .2 98: 70

Velocities
M001 1 COCO P CODE       .0004  .0056 -.0006 -.0011  .0006  .0055  -.3   .2   .9
M001 1 COCO P GFZ        .0038  .0034  .0001 -.0042  .0007  .0028 -2.0   .4   .6
M001 1 COCO P IGS        .0017  .0017  .0000 -.0018  .0003  .0014 -1.6   .3   .6
M001 1 COCO P1 JPL      -.0026  .0007 -.0021  .0025 -.0019  .0014   .9  -.8   .2
M001 1 COCO P NCL       -.0014 -.0113  .0028  .0028  .0004 -.0114   .9   .1 -1.9
M001 1 COCO P NOAA      -.0002  .0012  .0002  .0000  .0005  .0011   .0   .2   .2

50133 PERTH

Positions
M001 1 PERT P CODE      -.0024  .0065  .0016 -.0007  .0050  .0050  -.2  1.1  1.1 98: 26
M001 1 PERT P IGS       -.0008  .0005 -.0006  .0005  .0000  .0010   .4   .0   .6 98: 72
M001 1 PERT P1 JPL       .0018 -.0018  .0027 -.0008  .0011 -.0034  -.4   .6 -1.5 97:104
M001 1 PERT P NCL        .0002  .0006 -.0006 -.0004 -.0003  .0007  -.2  -.1   .3 98: 22
M001 1 PERT P NOAA      -.0017 -.0022 -.0003  .0025 -.0010 -.0009   .6  -.3  -.2 98:  9
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M001 1 PERT P2 IGN       .0015 -.0011 -.0004 -.0008 -.0012 -.0012  -.3  -.2  -.2 98:274
M001 1 PERT P SCAR       .0012 -.0057  .0013  .0014 -.0018 -.0055   .3  -.3  -.8 97:  4

Velocities
M001 1 PERT P CODE       .0022 -.0004  .0016 -.0018  .0007 -.0020  -.6   .2  -.6
M001 1 PERT P IGS        .0002  .0010 -.0001 -.0007  .0004  .0007  -.6   .3   .6
M001 1 PERT P1 JPL       .0005  .0012 -.0013 -.0010 -.0006  .0014  -.8  -.5  1.0
M001 1 PERT P NCL        .0000 -.0006 -.0001  .0002 -.0004 -.0004   .1  -.2  -.2
M001 1 PERT P NOAA      -.0006 -.0002  .0015  .0006  .0013 -.0007   .2   .5  -.3
M001 1 PERT P2 IGN       .0002  .0013 -.0024 -.0008 -.0015  .0022  -.3  -.4   .6
M001 1 PERT P SCAR       .0009 -.0020  .0010  .0000 -.0003 -.0024   .0  -.1  -.5

50134 DARWIN I

Positions
M001 1 DARW P CODE      -.0027  .0080  .0032 -.0032  .0048  .0069  -.4   .6   .9 99:304
M001 1 DARW P IGS        .0027 -.0006  .0013 -.0017  .0008 -.0024  -.4   .3  -.5  0: 69

Velocities
M001 1 DARW P CODE      -.0086  .0107 -.0028 -.0006  .0003  .0140   .0   .0   .6
M001 1 DARW P IGS       -.0042  .0063 -.0009 -.0010  .0008  .0075  -.1   .2   .7

50135 MACQUARIE ISLAND

Positions
M001 1 MAC1 P CODE       .0033  .0014  .0076 -.0024  .0023 -.0077  -.6   .5 -1.5 98: 22
M001 1 MAC1 P GFZ        .0016 -.0043 -.0011  .0035 -.0031 -.0008  1.0  -.8  -.2 98:193
M001 1 MAC1 P IGS        .0001 -.0002  .0005  .0002  .0001 -.0005   .2   .1  -.3 98:198
M001 1 MAC1 P1 JPL      -.0012  .0008 -.0019 -.0003  .0000  .0023  -.2   .0   .9 97:179
M001 1 MAC1 P NCL       -.0066  .0005 -.0076  .0019  .0007  .0099   .4   .1  1.5 97:135
M001 1 MAC1 P NOAA       .0035  .0043  .0033 -.0053  .0005 -.0037 -1.3   .1  -.9 97:341
M001 1 MAC1 P2 IGN      -.0015 -.0002  .0000  .0007  .0011  .0007   .3   .4   .2 98:190
M001 1 MAC1 P SCAR      -.0044  .0054 -.0071 -.0035  .0008  .0093  -.6   .1  1.0 97:241

Velocities
M001 1 MAC1 P CODE       .0001  .0011 -.0009 -.0011 -.0003  .0009  -.4  -.1   .2
M001 1 MAC1 P GFZ        .0043  .0043 -.0006 -.0056 -.0024 -.0009 -3.6 -1.1  -.4
M001 1 MAC1 P IGS        .0002  .0002  .0009 -.0003  .0005 -.0008  -.4   .4  -.7
M001 1 MAC1 P1 JPL       .0008 -.0008 -.0013  .0004 -.0016  .0005   .4 -1.1   .3
M001 1 MAC1 P NCL       -.0031 -.0008 -.0022  .0019  .0009  .0033   .8   .3  1.2
M001 1 MAC1 P NOAA      -.0020  .0001  .0003  .0007  .0018  .0009   .2   .6   .3
M001 1 MAC1 P2 IGN      -.0008 -.0007 -.0001  .0009  .0003  .0004   .5   .2   .2
M001 1 MAC1 P SCAR       .0012 -.0012  .0035  .0007  .0007 -.0038   .2   .1  -.6

50136 JABIRU

Positions
M001 1 JAB1 P NOAA      -.0021  .0013 -.0036  .0007 -.0030  .0031   .1  -.6   .4 99:103

Velocities
M001 1 JAB1 P NOAA      -.0027  .0019 -.0002  .0007  .0005  .0033   .1   .1   .2

50137 ALICE SPRINGS/TE

Positions
M001 1 ALIC P CODE      -.0047  .0098  .0008 -.0034  .0048  .0092  -.5   .7  1.4 99:122
M001 1 ALIC P IGS        .0007  .0011  .0008 -.0013  .0008  .0000  -.3   .3   .0  0: 64
M001 1 ALIC P NOAA       .0001 -.0021 -.0010  .0014 -.0015 -.0011   .3  -.4  -.2 98:329

Velocities
M001 1 ALIC P CODE       .0078 -.0066  .0050 -.0011  .0005 -.0114  -.1   .1 -1.2
M001 1 ALIC P IGS        .0050 -.0043  .0032 -.0006  .0003 -.0073  -.1   .1 -1.1
M001 1 ALIC P NOAA      -.0046  .0036 -.0018  .0009  .0007  .0060   .1   .1   .9

50138 CEDUNA

Positions
M001 1 CEDU P CODE       .0007  .0039  .0040 -.0032  .0046 -.0001  -.6   .7   .0 99: 54
M001 1 CEDU P IGS        .0011  .0007  .0011 -.0012  .0008 -.0008  -.3   .2  -.2  0: 33
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Velocities
M001 1 CEDU P CODE       .0011  .0005  .0007 -.0012  .0004 -.0007  -.2   .1  -.1
M001 1 CEDU P IGS        .0012  .0002  .0007 -.0010  .0002 -.0010  -.2   .0  -.2

50139 KARRATHA

Positions
M001 1 KARR P CODE      -.0005  .0058  .0035 -.0022  .0052  .0038  -.4   .8   .6 99: 63
M001 1 KARR P IGS        .0019 -.0008  .0012 -.0013  .0005 -.0019  -.4   .2  -.4  0: 22
M001 1 KARR P NOAA      -.0036  .0025 -.0029  .0021 -.0014  .0046   .4  -.3   .8 98:352

Velocities
M001 1 KARR P CODE       .0002  .0036 -.0004 -.0019  .0008  .0031  -.2   .1   .3
M001 1 KARR P IGS        .0013  .0002  .0006 -.0012  .0004 -.0006  -.2   .1  -.1
M001 1 KARR P NOAA      -.0032  .0050 -.0017  .0006  .0005  .0061   .1   .1   .8

50140 TOWNSVILLE/CAPE

Positions
M001 1 TOW2 P CODE      -.0029  .0055  .0022 -.0030  .0039  .0044  -.5   .6   .7 99: 69
M001 1 TOW2 P IGS        .0008  .0001  .0013 -.0005  .0011 -.0010  -.2   .4  -.3  0: 44
M001 1 TOW2 P NOAA       .0018  .0019 -.0025 -.0026 -.0026  .0003  -.5  -.6   .1 98:362

Velocities
M001 1 TOW2 P CODE       .0038  .0001  .0015 -.0021  .0003 -.0035  -.3   .1  -.5
M001 1 TOW2 P IGS        .0006 -.0001  .0004 -.0003  .0002 -.0007  -.1   .1  -.1
M001 1 TOW2 P NOAA      -.0050  .0026 -.0009  .0006  .0010  .0056   .1   .2   .7

50207 CHATHAM ISLAND

Positions
M001 1 CHAT TIE50207     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 CHAT P CODE       .0007  .0035  .0038 -.0035  .0021 -.0033  -.8   .4  -.7 98: 35
M001 1 CHAT P GFZ        .0037 -.0036  .0000  .0038 -.0024 -.0025  1.1  -.6  -.6 98:261
M001 1 CHAT P IGS        .0002 -.0003  .0014  .0003  .0009 -.0010   .4   .6  -.7 98:110
M001 1 CHAT P1 JPL      -.0021 -.0001 -.0022 -.0001 -.0001  .0031   .0  -.1  1.3 97:330
M001 1 CHAT P NCL        .0006 -.0007  .0004  .0007 -.0001 -.0007   .3   .0  -.2 98: 50
M001 1 CHAT P NOAA       .0044  .0098 -.0001 -.0095 -.0035 -.0035 -2.3  -.9  -.9 97:337
M001 1 CHAT P2 IGN      -.0027  .0007 -.0017 -.0008  .0007  .0031  -.3   .2   .9 97:362
M001 1 CHAT P SCAR      -.0075  .0027 -.0104 -.0032 -.0024  .0125  -.7  -.3  1.4 97:180
S001 1 CHAB TIE50207    -.0014 -.0017 -.0007  .0016  .0005  .0016   .5   .2   .5 97:  1
S001 1 CHAB D9 IGN      -.0216 -.0161  .0551  .0148  .0553 -.0221   .2  1.2  -.5 99:215
S001 1 CHAB C GRIM       .0592  .0576  .0056 -.0539 -.0394 -.0489 -1.2 -1.7 -2.1 99:104
S001 1 CHAB C1 CSR       .0044  .0588  .0262 -.0585  .0134 -.0239 -3.0   .8 -1.5 99:214

Velocities
M001 1 CHAT P CODE       .0018 -.0001 -.0003  .0002 -.0014 -.0011   .1  -.4  -.3
M001 1 CHAT P GFZ        .0000  .0028 -.0016 -.0028 -.0012  .0010 -1.7  -.5   .4
M001 1 CHAT P IGS       -.0015  .0001 -.0007 -.0002  .0005  .0016  -.2   .5  1.4
M001 1 CHAT P1 JPL       .0006 -.0002 -.0006  .0003 -.0008  .0000   .2  -.4   .0
M001 1 CHAT P NCL        .0005 -.0015  .0012  .0015  .0006 -.0012   .7   .2  -.5
M001 1 CHAT P NOAA       .0001  .0006  .0026 -.0005  .0018 -.0019  -.2   .6  -.6
M001 1 CHAT P2 IGN      -.0007 -.0001  .0006  .0000  .0009  .0001   .0   .4   .0
M001 1 CHAT P SCAR       .0000  .0033  .0010 -.0033  .0006 -.0009 -1.1   .1  -.1
S001 1 CHAB D9 IGN       .0352 -.0087  .0408  .0108  .0053 -.0532   .1   .0  -.4
S001 1 CHAB C GRIM       .2602 -.1349 -.1307  .1503 -.2688 -.0904   .3  -.8  -.3
S001 1 CHAB C1 CSR       .0095  .0563  .0170 -.0556  .0033 -.0211  -.7   .1  -.3

50209 AUCKLAND

Positions
M001 1 AUCK P CODE      -.0005  .0035  .0032 -.0034  .0030 -.0013  -.8   .6  -.3 98: 42
M001 1 AUCK P IGS        .0000 -.0006  .0011  .0006  .0008 -.0007   .6   .6  -.4 98:157
M001 1 AUCK P1 JPL       .0010  .0003  .0001 -.0004 -.0005 -.0009  -.3  -.2  -.4 97:308
M001 1 AUCK P NCL        .0004 -.0010  .0008  .0010  .0003 -.0009   .4   .1  -.3 98: 74
M001 1 AUCK P NOAA       .0035  .0088 -.0023 -.0091 -.0035 -.0007 -2.3  -.9  -.2 97:352
M001 1 AUCK P2 IGN      -.0005  .0017  .0006 -.0017  .0009  .0002  -.4   .3   .1 98: 83
M001 1 AUCK P SCAR      -.0041  .0052 -.0083 -.0048 -.0039  .0086 -1.0  -.4   .9 97:194

Velocities
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M001 1 AUCK P CODE       .0023 -.0002  .0004  .0000 -.0011 -.0021   .0  -.3  -.6
M001 1 AUCK P IGS       -.0012  .0003 -.0003 -.0002  .0005  .0012  -.2   .4  1.0
M001 1 AUCK P1 JPL       .0002 -.0003 -.0010  .0002 -.0010  .0004   .2  -.5   .2
M001 1 AUCK P NCL        .0001 -.0014  .0009  .0014  .0006 -.0007   .6   .2  -.2
M001 1 AUCK P NOAA       .0001  .0004  .0024 -.0004  .0019 -.0015  -.1   .6  -.5
M001 1 AUCK P2 IGN      -.0008  .0002  .0002 -.0001  .0007  .0005   .0   .3   .2
M001 1 AUCK P SCAR       .0019  .0020  .0031 -.0022  .0015 -.0033  -.7   .2  -.4

50501 GUAM

Positions
M002 1 GUAM TIE50501     .0123 -.0068 -.0037 -.0015 -.0003 -.0145  -.3  -.1 -2.8 97:  1
M002 1 GUAM P CODE       .0045 -.0033  .0040  .0001  .0052 -.0045   .0  1.1  -.8 97:194
M002 1 GUAM P GFZ        .0105 -.0025 -.0027 -.0040 -.0003 -.0104 -1.0  -.1 -2.4 97:340
M002 1 GUAM P IGS       -.0023  .0018  .0006 -.0002 -.0001  .0029  -.1  -.1  1.5 98: 96
M002 1 GUAM P1 JPL      -.0053  .0017  .0019  .0017  .0006  .0056   .6   .4  1.8 97: 80
M002 1 GUAM P NCL       -.0009  .0003  .0004  .0003  .0002  .0009   .1   .1   .3 97:360
M002 1 GUAM P NOAA      -.0080  .0041 -.0002  .0013 -.0023  .0086   .2  -.7  1.6 97:256
S001 1 GUAB TIE50501     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 GUAB D GRGS       .0064 -.0479  .0049  .0355  .0124 -.0307  1.3   .9 -1.3 96:144
S001 1 GUAB D9 IGN       .0277  .0505 -.0639 -.0573 -.0636 -.0088 -2.2 -3.9  -.4 96:350
S001 1 GUAB C GRIM       .0561  .0122 -.0289 -.0422 -.0190 -.0446 -1.5 -1.5 -1.7 97: 47
S001 1 GUAB C1 CSR       .0126 -.0128  .0070  .0033  .0110 -.0155   .3  1.9 -1.8 97: 33

Velocities
M002 1 GUAM P CODE      -.0052  .0059  .0004 -.0018 -.0014  .0075  -.4  -.4  1.6
M002 1 GUAM P GFZ       -.0018  .0006  .0002  .0006 -.0002  .0018   .2  -.1   .6
M002 1 GUAM P IGS       -.0001 -.0010 -.0003  .0009 -.0002 -.0005   .7  -.3  -.4
M002 1 GUAM P1 JPL       .0036 -.0009 -.0014 -.0014 -.0005 -.0037  -.6  -.6 -1.7
M002 1 GUAM P NCL        .0001 -.0009 -.0003  .0007 -.0001 -.0007   .3  -.1  -.3
M002 1 GUAM P NOAA      -.0015 -.0007 -.0006  .0014 -.0008  .0007   .4  -.3   .2
S001 1 GUAB D GRGS      -.0011 -.0001  .0009  .0007  .0007  .0010   .0   .1   .1
S001 1 GUAB D9 IGN      -.0034 -.0009 -.0014  .0027 -.0019  .0019   .2  -.2   .2
S001 1 GUAB C GRIM       .0016  .0065  .0032 -.0063  .0025  .0031  -.4   .3   .2
S001 1 GUAB C1 CSR      -.0028  .0006 -.0005  .0011 -.0011  .0024   .2  -.3   .5

50503 AMERICAN SAMOA

Positions
M001 1 7096 L4 CSR       .0258 -.0188 -.0351  .0227 -.0396 -.0130   .3  -.4  -.1 80:138

Velocities
M001 1 7096 L4 CSR      -.0050  .0432  .0301 -.0434  .0286 -.0094  -.3   .2   .0

50505 KWAJALEIN ATOLL

Positions
M001 1 7092 TIE50505     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 7092 L4 CSR      -.2582  .0762  .0976 -.0184  .0524  .2809  -.2   .6   .8 80:225
S003 1 4968 TIE50505     .0001  .0001  .0005 -.0001  .0005  .0000   .0   .2   .0 97:  1
S003 1 4968 R GSFC      -.0095  .0041  .0082 -.0020  .0064  .0114  -.3   .6   .6 86:180
S003 1 4968 R SHA       -.0099  .0014  .0127  .0007  .0109  .0120   .1   .6   .6 86:277

Velocities
M001 1 7092 L4 CSR      -.1453  .3133  .2588 -.2743  .2211  .2492  -.8   .8   .5
S003 1 4968 R GSFC       .0000 -.0011  .0003  .0011  .0003 -.0002   .2   .1   .0
S003 1 4968 R SHA        .0001 -.0004 -.0001  .0004 -.0001 -.0002   .1   .0   .0

50506 KWAJALEIN ATOLL

Positions
M001 1 KWJ1 P CODE      -.0071  .0024  .0060 -.0009  .0048  .0083  -.2  1.0  1.2 98: 17
M001 1 KWJ1 P GFZ        .0124 -.0005 -.0020 -.0021 -.0001 -.0124  -.6   .0 -2.1 98:188
M001 1 KWJ1 P IGS       -.0022  .0009  .0007 -.0004  .0003  .0024  -.2   .3   .9 98: 44
M001 1 KWJ1 P1 JPL       .0051 -.0021 -.0010  .0009 -.0002 -.0055   .4  -.1 -1.1 98: 14
M001 1 KWJ1 P NCL       -.0002 -.0007  .0000  .0007  .0000  .0001   .3   .0   .0 98: 92
M001 1 KWJ1 P NOAA      -.0173  .0015 -.0004  .0022 -.0030  .0170   .3  -.8  1.9 97:293

Velocities
M001 1 KWJ1 P CODE      -.0024  .0037 -.0008 -.0031 -.0013  .0029  -.6  -.4   .4
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M001 1 KWJ1 P GFZ       -.0016  .0000 -.0007  .0003 -.0010  .0014   .1  -.7   .5
M001 1 KWJ1 P IGS       -.0002  .0001  .0003 -.0001  .0003  .0003   .0   .3   .1
M001 1 KWJ1 P1 JPL      -.0009  .0004  .0002 -.0002  .0000  .0010  -.1   .0   .2
M001 1 KWJ1 P NCL        .0000 -.0007  .0002  .0007  .0002 -.0002   .3   .1   .0
M001 1 KWJ1 P NOAA       .0005  .0005 -.0007 -.0006 -.0006 -.0005  -.1  -.2  -.1

51001 PORT MORESBY

Positions
S001 1 MORA D GRGS      -.0644 -.0553 -.0018  .0814  .0021  .0242  1.9   .1   .6 94:166
S001 1 MORA D9 IGN       .0484  .0479 -.0745 -.0665 -.0759 -.0024 -1.8 -3.5  -.1 95:241
S001 1 MORA C GRIM       .0208 -.0110 -.0150 -.0020 -.0186 -.0207   .0  -.8  -.5 97:237
S001 1 MORA C1 CSR      -.0003  .0046  .0082 -.0037  .0085  .0013  -.3  1.1   .1 95: 92

Velocities
S001 1 MORA D GRGS      -.0226 -.0150  .0030  .0249  .0047  .0102   .5   .2   .2
S001 1 MORA D9 IGN      -.0057 -.0013 -.0028  .0042 -.0021  .0045   .3  -.2   .3
S001 1 MORA C GRIM      -.0075 -.0041 -.0031  .0075 -.0024  .0046   .4  -.2   .3
S001 1 MORA C1 CSR      -.0005  .0014  .0011 -.0009  .0013  .0010  -.1   .4   .2

66001 MC MURDO

Positions
M003 1 MCM4 P CODE       .0059  .0019  .0131 -.0032 -.0024 -.0140  -.7  -.5 -2.1 97:309
M003 1 MCM4 P GFZ        .0020 -.0054  .0070  .0048 -.0017 -.0075  1.5  -.5 -1.3 98: 94
M003 1 MCM4 P IGS       -.0003 -.0007 -.0021  .0008 -.0004  .0021   .8  -.3   .8 98: 19
M003 1 MCM4 P1 JPL      -.0018  .0022 -.0050 -.0018  .0011  .0053 -1.3   .7  1.2 96:363
M003 1 MCM4 P NCL        .0041 -.0005  .0101 -.0005 -.0019 -.0107  -.1  -.5 -1.7 97: 45
M003 1 MCM4 P NOAA       .0051  .0058  .0143 -.0069 -.0005 -.0148 -1.6  -.1 -2.6 97:245
M003 1 MCM4 P2 IGN      -.0024  .0016 -.0017 -.0009  .0023  .0023  -.3   .7   .3 98:  2
M003 1 MCM4 P SCAR      -.0119  .0077 -.0436 -.0048  .0038  .0454 -1.1   .7  2.8 96:311
S006 1 MCM2 P CODE      -.0052  .0000 -.0142  .0012  .0019  .0150   .0   .0   .2 96:216

Velocities
M003 1 MCM4 P CODE      -.0008  .0023 -.0101 -.0021 -.0009  .0101  -.7  -.3  2.1
M003 1 MCM4 P GFZ        .0009  .0035 -.0105 -.0036 -.0023  .0103 -2.8 -1.4  2.7
M003 1 MCM4 P IGS       -.0001  .0003  .0017 -.0003  .0005 -.0017  -.4   .5  -.7
M003 1 MCM4 P1 JPL      -.0010  .0002 -.0022  .0001  .0005  .0023   .1   .4   .7
M003 1 MCM4 P NCL        .0013 -.0021  .0088  .0017  .0001 -.0089   .6   .0 -1.5
M003 1 MCM4 P NOAA       .0002  .0000  .0030  .0000  .0005 -.0030   .0   .1  -.7
M003 1 MCM4 P2 IGN       .0012 -.0008  .0046  .0005 -.0003 -.0048   .3  -.1 -1.1
M003 1 MCM4 P SCAR       .0012  .0004  .0057 -.0007  .0002 -.0057  -.2   .0  -.5
S006 1 MCM2 P CODE      -.0008  .0023 -.0101 -.0021 -.0009  .0101  -.7  -.3  2.1

66004 MAWSON STATION

Positions
M001 1 MAW1 P CODE       .0041 -.0021  .0092 -.0046  .0035 -.0085  -.8   .5  -.9 99: 59
M001 1 MAW1 P IGS        .0002  .0010  .0011  .0003  .0014 -.0006   .1   .4  -.1  0: 77
M001 1 MAW1 P NOAA      -.0016  .0018  .0063  .0022  .0032 -.0055   .5   .6  -.9 98:339
M001 1 MAW1 P2 IGN       .0002 -.0002 -.0024 -.0003 -.0010  .0022  -.1  -.2   .3 99: 96
M001 1 MAW1 P SCAR       .0007  .0093 -.0092  .0036  .0044  .0118   .7   .6   .9 96:299

Velocities
M001 1 MAW1 P CODE       .0004  .0013  .0008  .0003  .0015 -.0002   .0   .2   .0
M001 1 MAW1 P IGS       -.0001  .0033 -.0033  .0016  .0014  .0042   .6   .3   .5
M001 1 MAW1 P NOAA       .0025  .0036 -.0067 -.0006  .0015  .0078  -.1   .2   .8
M001 1 MAW1 P2 IGN       .0005  .0001 -.0025 -.0003 -.0007  .0025  -.1  -.1   .3
M001 1 MAW1 P SCAR      -.0007  .0011  .0015  .0011  .0012 -.0011   .4   .3  -.2

66005 PALMER STATION

Positions
M001 1 PAL1 P SCAR      -.0021  .0053  .0005  .0004 -.0049 -.0029   .1 -1.0  -.5 96:195
M002 1 PALM P DGFI        .0064 -.0005  .0056  .0055  .0054 -.0037  1.1   .6  -.3  0:323
M002 1 PALM P2 IGN      -.0018 -.0007  .0015 -.0019  .0005 -.0015  -.4   .1  -.1 98:244
M002 1 PALM P SCAR      -.0034  .0032  .0067 -.0017 -.0011 -.0079  -.4  -.2  -.9 98:107

Velocities
M001 1 PAL1 P SCAR      -.0023 -.0018  .0037 -.0028  .0021 -.0030 -1.2   .6  -.7
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M002 1 PALM P DGFI      -.0057  .0079 -.0007 -.0017 -.0090 -.0034  -.1  -.4  -.1
M002 1 PALM P2 IGN      -.0006  .0005 -.0058 -.0003 -.0031  .0049  -.1  -.6   .6
M002 1 PALM P SCAR      -.0011  .0001  .0001 -.0010 -.0004 -.0004  -.2   .0   .0

66006 SYOWA

Positions
S001 1 SYOB TIE66006    -.0127 -.0169  .0128 -.0050 -.0146 -.0193  -.1  -.3  -.4 97:  1
S001 1 SYOB D GRGS       .0078 -.0021 -.0316 -.0066 -.0070  .0312  -.6  -.7  3.0 95:264
S001 1 SYOB D9 IGN       .0211  .0196  .0010  .0017  .0272  .0094   .1  2.0   .6 95:198
S001 1 SYOB C GRIM       .0056  .0006  .0375 -.0031  .0178 -.0333  -.2  1.0 -1.6 93:  1
S001 1 SYOB C1 CSR      -.0091 -.0148 -.0215 -.0056 -.0231  .0142 -1.0 -3.9  1.9 95:302
S002 1 SYOG TIE66006     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S002 1 SYOG P GFZ        .0091  .0003 -.0084 -.0055  .0037  .0104  -.9   .5   .7 99:244
S002 1 SYOG P IGS        .0011  .0001  .0000 -.0006  .0008  .0004  -.2   .2   .0  0:147
S002 1 SYOG P NOAA      -.0034  .0017  .0093  .0035  .0019 -.0092   .5   .2  -.8 99:197
S002 1 SYOG P2 IGN      -.0029 -.0039  .0094 -.0012 -.0011 -.0104  -.2  -.1  -.6 99:186
S002 1 SYOG P SCAR       .0026  .0103 -.0136  .0063  .0031  .0157  1.3   .5  1.3 96:242
S003 1 SYPB TIE66006     .0003  .0003 -.0003  .0000  .0003  .0004   .0   .1   .2 97:  1
S003 1 SYPB D9 IGN       .0100  .0164  .0360  .0063  .0299 -.0271   .2   .8  -.7 99:286
S003 1 SYPB C GRIM      -.0155 -.0071  .0170  .0044 -.0093 -.0218   .2  -.4  -.8 98:308
S003 1 SYPB C1 CSR      -.0204 -.0191 -.0103 -.0017 -.0297 -.0004  -.1 -2.1   .0 99:264
S004 1 7342 TIE66006    -.0175  .0013  .0495  .0122  .0059 -.0508   .6   .2 -1.1 97:  1
S004 1 7342 R GSFC       .0122  .0163 -.0216  .0048  .0108  .0273   .3   .7  1.1 99:334

Velocities
S001 1 SYOB D GRGS      -.0040  .0023  .0013  .0043 -.0011 -.0018   .6  -.1  -.2
S001 1 SYOB D9 IGN      -.0026  .0060  .0078  .0063  .0045 -.0066   .7   .5  -.6
S001 1 SYOB C GRIM       .0382 -.0446  .0006 -.0587  .0012 -.0002   .0   .0   .0
S001 1 SYOB C1 CSR      -.0025  .0116  .0024  .0105  .0059 -.0003  2.7  1.4  -.1
S002 1 SYOG P GFZ        .0011  .0007 -.0031 -.0002  .0001  .0033   .0   .0   .6
S002 1 SYOG P IGS       -.0025  .0001  .0023  .0017 -.0009 -.0028   .2  -.1  -.1
S002 1 SYOG P NOAA       .0093  .0022 -.0299 -.0042 -.0027  .0309  -.1   .0   .4
S002 1 SYOG P2 IGN      -.0055 -.0070  .0149 -.0019 -.0028 -.0170  -.1  -.1  -.4
S002 1 SYOG P SCAR      -.0028 -.0009  .0079  .0011  .0003 -.0084   .4   .1 -1.1
S003 1 SYPB D9 IGN       .0152 -.0043  .0272 -.0130  .0181 -.0222  -.1   .2  -.2
S003 1 SYPB C GRIM      -.0061  .0029 -.0019  .0061 -.0033  .0007  1.1  -.6   .1
S003 1 SYPB C1 CSR      -.0221 -.0263 -.0228 -.0062 -.0397  .0091  -.1  -.7   .1
S004 1 7342 R GSFC      -.0276 -.0563 -.0215 -.0258 -.0610 -.0004  -.2  -.4   .0

66007 ROTHERA

Positions
M001 1 ROT1 TIE66007     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 ROT1 P SCAR      -.0019  .0060 -.0001  .0005 -.0058 -.0023   .1 -1.0  -.3 96:108
S001 1 ROTA TIE66007     .0156 -.0210 -.0732  .0066 -.0045  .0773   .1   .0   .8 97:  1
S001 1 ROTA D GRGS       .0098  .0045 -.0006  .0107 -.0007  .0003  1.0  -.1   .0 96: 32
S001 1 ROTA D9 IGN       .0027  .0236 -.0102  .0113 -.0232  .0014   .8 -1.6   .1 96: 70
S001 1 ROTA C1 CSR      -.0004 -.0110  .0052 -.0044  .0113 -.0010 -1.0  2.1  -.2 96:221

Velocities
M001 1 ROT1 P SCAR      -.0015  .0006  .0052 -.0011  .0009 -.0053  -.5   .2  -.8
S001 1 ROTA D GRGS      -.0028 -.0006  .0036 -.0029  .0010 -.0035  -.4   .2  -.5
S001 1 ROTA D9 IGN      -.0008 -.0041  .0017 -.0023  .0039 -.0003  -.3   .6   .0
S001 1 ROTA C1 CSR      -.0009  .0022 -.0024  .0000 -.0031  .0013   .0 -1.2   .5

66008 O'HIGGINS

Positions
M001 1 OHIG TIE66008     .0043  .0011 -.0053  .0042 -.0012  .0053  1.3  -.4  1.7 97:  1
M001 1 OHIG P CODE       .0042  .0045  .0130  .0059  .0044 -.0124  1.0   .7 -1.7 97:359
M001 1 OHIG P GFZ        .0000 -.0007 -.0001 -.0004  .0005  .0003  -.1   .1   .1 98: 79
M001 1 OHIG P IGS       -.0002  .0004  .0014  .0000  .0002 -.0014   .0   .1  -.6 98:126
M001 1 OHIG P1 JPL      -.0039  .0036  .0085 -.0014 -.0008 -.0099  -.7  -.3 -2.7 97:129
M001 1 OHIG P NCL        .0001 -.0003  .0025 -.0001  .0014 -.0021   .0   .4  -.6 98: 29
M001 1 OHIG P NOAA      -.0037  .0069  .0103  .0006 -.0024 -.0127   .1  -.5 -2.3 97:290
M001 1 OHIG P DGFI      -.0002 -.0036 -.0089 -.0021 -.0014  .0093  -.3  -.1   .7 98:245
M001 1 OHIG P2 IGN       .0022 -.0011 -.0053  .0012 -.0005  .0057   .2  -.1   .7 97:264
M001 1 OHIG P SCAR       .0017  .0028 -.0079  .0029 -.0048  .0064   .7  -.8   .9 97:135
M003 1 OHG1 P SCAR      -.0003  .0034 -.0043  .0016 -.0047  .0025   .4  -.9   .4 96:272
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S001 1 7245 TIE66008     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S001 1 7245 R GIUB       .0098 -.0040 -.0244  .0062 -.0033  .0256   .8  -.4  2.2 95: 57
S001 1 7245 R GSFC       .0076 -.0070 -.0215  .0027 -.0007  .0237   .6  -.1  2.8 95:253
S001 1 7245 R SHA        .0101 -.0094 -.0194  .0035  .0032  .0233   .7   .5  2.9 95: 97

Velocities
M001 1 OHIG P CODE       .0024  .0013 -.0018  .0027 -.0006  .0017   .7  -.1   .3
M001 1 OHIG P GFZ        .0022  .0020  .0001  .0029 -.0005 -.0004  1.7  -.2  -.2
M001 1 OHIG P IGS       -.0004 -.0004 -.0012 -.0005 -.0004  .0011  -.4  -.3   .6
M001 1 OHIG P1 JPL      -.0011 -.0004 -.0051 -.0011 -.0025  .0045  -.6 -1.1  1.4
M001 1 OHIG P NCL       -.0013 -.0019 -.0003 -.0021  .0007  .0007  -.7   .2   .2
M001 1 OHIG P NOAA       .0002 -.0025 -.0037 -.0012  .0003  .0043  -.3   .1  1.1
M001 1 OHIG P DGFI      -.0037  .0041  .0041 -.0010 -.0030 -.0061  -.2  -.4  -.5
M001 1 OHIG P2 IGN       .0011 -.0010 -.0020  .0004  .0003  .0024   .1   .1   .4
M001 1 OHIG P SCAR       .0012  .0005  .0028  .0012  .0014 -.0024   .4   .3  -.4
M003 1 OHG1 P SCAR       .0005 -.0012 -.0001 -.0002  .0011  .0007  -.1   .3   .1
S001 1 7245 R GIUB       .0022 -.0027 -.0004  .0004  .0029  .0019   .1   .5   .3
S001 1 7245 R GSFC       .0011 -.0021 -.0021 -.0002  .0012  .0029  -.1   .4   .7
S001 1 7245 R SHA        .0013 -.0021  .0007  .0000  .0025  .0005   .0   .6   .1

66009 SANAE

Positions
M001 1 VESL P CODE       .0031 -.0023  .0140 -.0022  .0075 -.0123  -.3  1.0 -1.2 99:103
M001 1 VESL P GFZ        .0052 -.0005 -.0044 -.0002  .0036  .0058  -.1   .5   .5 99:296
M001 1 VESL P NOAA      -.0042  .0034  .0084  .0032 -.0015 -.0093   .6  -.3 -1.5 99: 90
M001 1 VESL P DGFI       .0100  .0044 -.0144  .0049  .0047  .0167  1.0   .6  1.0  0: 65
M001 1 VESL P2 IGN       .0006 -.0014 -.0053 -.0014 -.0010  .0052  -.4  -.2   .5 98:331
M001 1 VESL P SCAR       .0000  .0073 -.0110  .0073 -.0038  .0103  1.3  -.5   .8 98:192

Velocities
M001 1 VESL P CODE      -.0044  .0061  .0287  .0058  .0046 -.0287   .5   .3 -1.1
M001 1 VESL P GFZ       -.0009 -.0017 -.0004 -.0018 -.0009  .0001 -1.7  -.9   .1
M001 1 VESL P NOAA       .0001  .0047  .0002  .0047 -.0001 -.0002   .8   .0   .0
M001 1 VESL P DGFI      -.0005  .0092 -.0058  .0092 -.0027  .0052  1.0  -.1   .1
M001 1 VESL P2 IGN       .0008  .0042  .0014  .0042  .0010 -.0011  1.3   .2  -.1
M001 1 VESL P SCAR       .0007  .0032  .0035  .0032  .0016 -.0031   .7   .1  -.1

66010 DAVIS

Positions
M001 1 DAV1 P CODE       .0022 -.0008  .0048 -.0023  .0015 -.0045  -.5   .3  -.7 98:  3
M001 1 DAV1 P GFZ       -.0020  .0021 -.0126  .0024 -.0031  .0123   .7  -.8  2.5 98: 74
M001 1 DAV1 P IGS       -.0001 -.0006  .0007  .0000 -.0003 -.0008   .0  -.2  -.4 98:257
M001 1 DAV1 P1 JPL      -.0003 -.0014  .0065  .0000  .0011 -.0065   .0   .4 -1.5 97:126
M001 1 DAV1 P NCL        .0005 -.0015 -.0003 -.0008 -.0014 -.0002  -.3  -.4  -.1 98: 61
M001 1 DAV1 P NOAA      -.0012 -.0015  .0111  .0008  .0024 -.0109   .2   .5 -2.2 97:302
M001 1 DAV1 P2 IGN       .0006 -.0005 -.0008 -.0007 -.0006  .0006  -.2  -.2   .1 99:  2
M001 1 DAV1 P SCAR       .0018  .0072 -.0072 -.0003  .0043  .0095  -.1   .6   .7 96:323

Velocities
M001 1 DAV1 P CODE       .0018  .0010  .0005 -.0016  .0014  .0001  -.5   .4   .0
M001 1 DAV1 P GFZ        .0055  .0009  .0011 -.0052  .0023 -.0003 -3.8  2.0  -.4
M001 1 DAV1 P IGS        .0004  .0014 -.0006 -.0001  .0011  .0011  -.1  1.0   .6
M001 1 DAV1 P1 JPL      -.0014  .0015 -.0044  .0017 -.0005  .0046  1.3  -.3  1.7
M001 1 DAV1 P NCL       -.0003  .0000 -.0038  .0003 -.0014  .0035   .1  -.5  1.1
M001 1 DAV1 P NOAA       .0003  .0026 -.0031  .0002  .0013  .0038   .1   .4  1.1
M001 1 DAV1 P2 IGN       .0004  .0003 -.0031 -.0003 -.0008  .0031  -.1  -.2   .6
M001 1 DAV1 P SCAR      -.0001  .0032 -.0026  .0007  .0019  .0036   .3   .4   .4

66011 CASEY

Positions
M001 1 CAS1 P CODE       .0006 -.0005  .0040 -.0003  .0010 -.0040  -.1   .2  -.6 97:346
M001 1 CAS1 P IGS        .0001 -.0016  .0041  .0005  .0002 -.0044   .5   .1 -2.1 98:177
M001 1 CAS1 P1 JPL      -.0025  .0011 -.0078  .0020 -.0014  .0079   .5  -.3  1.2 98:241
M001 1 CAS1 P NCL       -.0002  .0005 -.0062  .0000 -.0020  .0059   .0  -.6  1.7 98:  4
M001 1 CAS1 P NOAA       .0020 -.0023  .0129 -.0010  .0026 -.0129  -.2   .6 -2.7 97:206
M001 1 CAS1 P2 IGN       .0008  .0012 -.0020 -.0011 -.0001  .0022  -.4   .0   .4 98:295
M001 1 CAS1 P SCAR      -.0002  .0105 -.0172 -.0035  .0021  .0198  -.9   .3  1.9 97: 12
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Velocities
M001 1 CAS1 P CODE       .0019 -.0004  .0037 -.0017  .0005 -.0038  -.6   .2  -.9
M001 1 CAS1 P IGS        .0000  .0015 -.0016 -.0005  .0007  .0021  -.7   .7  1.5
M001 1 CAS1 P1 JPL      -.0003 -.0002  .0020  .0004  .0007 -.0018   .1   .2  -.4
M001 1 CAS1 P NCL       -.0007 -.0009 -.0015  .0009 -.0011  .0011   .4  -.4   .4
M001 1 CAS1 P NOAA       .0001 -.0004  .0035  .0000  .0011 -.0034   .0   .3 -1.0
M001 1 CAS1 P2 IGN       .0005 -.0004 -.0008 -.0004 -.0009  .0005  -.2  -.3   .1
M001 1 CAS1 P SCAR       .0001  .0008 -.0002 -.0004  .0006  .0004  -.1   .1   .1

66012 BASE FREI / GREA

Positions
M001 1 GRW1 P SCAR      -.0024  .0050  .0006  .0005 -.0046 -.0031   .1  -.7  -.4 98:  3

Velocities
M001 1 GRW1 P SCAR      -.0007  .0003  .0002 -.0004 -.0004 -.0005  -.1  -.1  -.1

66015 FERRAZ

Positions
M001 1 FERR P SCAR      -.0029  .0057  .0003  .0005 -.0055 -.0032   .1  -.6  -.3 99: 25

Velocities
M001 1 FERR P SCAR       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

66016 ARCTOWSKI

Positions
M001 1 ARCT P SCAR      -.0029  .0055 -.0001  .0004 -.0055 -.0028   .1  -.6  -.3 99: 20

Velocities
M001 1 ARCT P SCAR       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

66017 BASE ARTIGAS

Positions
M001 1 ART1 P SCAR      -.0019  .0053 -.0006  .0011 -.0052 -.0021   .3  -.9  -.3 97:101

Velocities
M001 1 ART1 P SCAR      -.0007 -.0002  .0010 -.0007  .0003 -.0010  -.3   .1  -.2

66018 BELGRANO

Positions
M001 1 BEL1 P SCAR       .0000  .0062 -.0030  .0051 -.0041  .0022   .8  -.6   .1 95: 30
M002 1 BELG P SCAR      -.0043  .0062  .0037  .0027 -.0061 -.0051   .2  -.3  -.1 98: 34

Velocities
M001 1 BEL1 P SCAR      -.0014  .0001  .0019 -.0008 -.0008 -.0021   .0   .0   .0
M002 1 BELG P SCAR       .0188  .0011 -.0325  .0116  .0076  .0349   .0   .0   .0

66019 DALLMANN

Positions
M001 1 DAL1 P SCAR      -.0018  .0057  .0007  .0014 -.0048 -.0033   .4  -.9  -.5 96:224
M002 1 DALL P SCAR      -.0026  .0049  .0037  .0003 -.0032 -.0058   .1  -.5  -.7 98:146

Velocities
M001 1 DAL1 P SCAR      -.0012  .0001  .0043 -.0009  .0013 -.0041  -.4   .4  -.9
M002 1 DALL P SCAR      -.0010 -.0016 -.0154 -.0017 -.0064  .0141  -.3  -.7  1.0

66021 ELEPHANT ISLAND

Positions
M001 1 ELE1 P SCAR      -.0014  .0054 -.0001  .0019 -.0047 -.0024   .4  -.8  -.3 96:214

Velocities
M001 1 ELE1 P SCAR      -.0012 -.0003  .0026 -.0012  .0009 -.0024  -.4   .2  -.5
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66022 ESPERANZA

Positions
M001 1 ESP1 P SCAR      -.0015  .0054 -.0006  .0017 -.0050 -.0019   .4  -.9  -.3 96:184

Velocities
M001 1 ESP1 P SCAR      -.0011 -.0004  .0024 -.0012  .0009 -.0023  -.4   .2  -.4

66023 FORSTER / Schirm

Positions
M001 1 FOR1 P SCAR      -.0026  .0064 -.0003  .0068 -.0012 -.0001  1.6  -.2   .0 96:350
M002 1 FOR2 P SCAR      -.0007  .0061 -.0020  .0061 -.0001  .0021  1.2   .0   .2 96: 59

Velocities
M001 1 FOR1 P SCAR      -.0023  .0006  .0017  .0010 -.0015 -.0023   .4  -.4  -.3
M002 1 FOR2 P SCAR       .0045  .0024 -.0086  .0014  .0018  .0097   .0   .0   .0

66024 FOSSIL BLUFF

Positions
M001 1 FOS1 P SCAR      -.0018  .0062 -.0005  .0006 -.0062 -.0016   .2 -1.1  -.2 96: 63

Velocities
M001 1 FOS1 P SCAR      -.0012 -.0003  .0024 -.0012  .0007 -.0024  -.5   .2  -.3

66025 HAAG NUNATAK

Positions
M001 1 HAAG P SCAR      -.0019  .0061  .0004 -.0006 -.0061 -.0018  -.2  -.9  -.1 96: 20

Velocities
M001 1 HAAG P SCAR       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

66026 KLIMENT OHRIDSKI

Positions
M001 1 KOH1 P SCAR      -.0034  .0047  .0039 -.0006 -.0034 -.0061  -.1  -.4  -.5 98: 19

Velocities
M001 1 KOH1 P SCAR       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

66027 KOTTAS BERGE

Positions
M001 1 KOTA P SCAR      -.0029  .0060  .0001  .0054 -.0037 -.0011   .6  -.2   .0 98: 25

Velocities
M001 1 KOTA P SCAR       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

66028 MAITRI

Positions
M001 1 MAIT P SCAR      -.0033  .0074  .0015  .0079 -.0011 -.0020  1.4  -.1  -.1 98:179

Velocities
M001 1 MAIT P SCAR       .0091 -.0023  .0060 -.0041  .0100 -.0029  -.7   .7  -.1

66029 MARAMBIO

Positions
M001 1 MAR1 P SCAR      -.0013  .0056 -.0009  .0020 -.0053 -.0015   .5 -1.0  -.2 96:104

Velocities
M001 1 MAR1 P SCAR      -.0011 -.0004  .0025 -.0011  .0009 -.0023  -.4   .2  -.4

66030 ZHONG SHANG

Positions
M001 1 ZHON P SCAR       .0000  .0072 -.0028  .0017  .0056  .0051   .4   .6   .3 97:302
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Velocities
M001 1 ZHON P SCAR      -.0006  .0021 -.0005  .0011  .0016  .0011   .3   .2   .1

66031 NOTTER POINT/ AN

Positions
M001 1 NOT1 P SCAR      -.0015  .0054 -.0003  .0014 -.0050 -.0022   .3  -.9  -.3 96:177

Velocities
M001 1 NOT1 P SCAR      -.0012 -.0004  .0026 -.0012  .0010 -.0025  -.5   .3  -.5

66032 PETER I ISLAND

Positions
M001 1 PET1 P SCAR      -.0036  .0049  .0043 -.0036 -.0030 -.0058  -.7  -.2  -.2 98: 25

Velocities
M001 1 PET1 P SCAR       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

66033 ARTURO PRAT

Positions
M001 1 PRA1 P SCAR      -.0016  .0054 -.0003  .0014 -.0050 -.0022   .3  -.9  -.3 96:181

Velocities
M001 1 PRA1 P SCAR      -.0011 -.0004  .0026 -.0012  .0010 -.0024  -.4   .3  -.5

66034 SAN MARTIN

Positions
M001 1 SMR1 P SCAR      -.0020  .0059 -.0001  .0005 -.0058 -.0022   .1 -1.0  -.2 96:179

Velocities
M001 1 SMR1 P SCAR      -.0012 -.0003  .0026 -.0013  .0008 -.0025  -.5   .2  -.4

66035 PUNTA SPRING - A

Positions
M001 1 SPR1 P SCAR      -.0015  .0055 -.0003  .0013 -.0051 -.0021   .3  -.9  -.3 96:144

Velocities
M001 1 SPR1 P SCAR      -.0012 -.0005  .0027 -.0013  .0010 -.0025  -.5   .3  -.5

66036 TERRA NOVA BAY

Positions
M001 1 TNB1 P SCAR      -.0034  .0060 -.0050 -.0048  .0034  .0061 -1.1   .6   .5 97:174

Velocities
M001 1 TNB1 P SCAR      -.0001  .0005 -.0004 -.0005  .0001  .0004  -.2   .0   .0

66037 TROLL

Positions
M001 1 TROL P SCAR      -.0009  .0054  .0001  .0055 -.0006 -.0003  1.1  -.1   .0 97: 20

Velocities
M001 1 TROL P SCAR       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

66038 VERNADSKI

Positions
M001 1 VER1 P SCAR      -.0036  .0048  .0044 -.0012 -.0035 -.0064  -.2  -.4  -.6 98: 21

Velocities
M001 1 VER1 P SCAR       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

66039 WASA
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Positions
M001 1 WASA P SCAR      -.0010  .0054 -.0008  .0050 -.0024  .0001   .9  -.3   .0 97: 20

Velocities
M001 1 WASA P SCAR       .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0

82001 ISABELLA

Positions
S003 1 PUR3 P CORS       .0016 -.0009  .0018  .0011  .0012  .0020   .2   .4   .3 98:281

Velocities
S003 1 PUR3 P CORS       .0001 -.0009 -.0002 -.0002 -.0005  .0008   .0  -.1   .1

91201 KERGUELEN

Positions
M002 1 KERG TIE91201     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M002 1 KERG P CODE       .0044  .0053 -.0009 -.0024  .0043  .0049  -.5   .9  1.0 97:323
M002 1 KERG P IGS        .0004  .0010 -.0015 -.0001 -.0002  .0018  -.1  -.1  1.2 98:108
M002 1 KERG P1 JPL      -.0029 -.0060  .0046  .0007 -.0020 -.0078   .2  -.5 -1.9 98:304
M002 1 KERG P NCL        .0009 -.0004 -.0001 -.0010 -.0001  .0000  -.3   .0   .0 97:357
M002 1 KERG P NOAA       .0058  .0002 -.0003 -.0054  .0014  .0016  -.7   .1   .2 99: 31
M002 1 KERG P2 IGN      -.0009 -.0051  .0037 -.0009 -.0015 -.0061  -.2  -.4 -1.5 99: 90
M002 1 KERG P SCAR       .0027  .0058 -.0006 -.0006  .0045  .0046  -.1   .6   .6 96:239
S002 1 KERA TIE91201    -.0001  .0005 -.0010  .0002 -.0003  .0011   .1  -.1   .4 97:  1
S002 1 KERA D GRGS       .0720 -.0377 -.0235 -.0805 -.0238  .0105 -2.4  -.9   .4 94: 35
S002 1 KERA D9 IGN      -.0313  .0153 -.0043  .0346  .0001  .0058  1.0   .0   .2 94: 39
S002 1 KERA C GRIM       .0327 -.0405  .0350 -.0444  .0023 -.0442 -1.0   .1 -1.3 93:  1
S003 1 KERB TIE91201     .0000  .0004 -.0011  .0002 -.0004  .0011   .1  -.2   .5 97:  1
S003 1 KERB D GRGS       .0364 -.0316 -.0170 -.0450 -.0243  .0015 -1.9 -1.4   .1 96:322
S003 1 KERB D9 IGN      -.0557  .0270  .0064  .0616  .0091 -.0006  2.6   .4   .0 97:143
S003 1 KERB C GRIM      -.0054 -.0181  .0193 -.0010 -.0018 -.0269   .0  -.1 -2.1 96:322
S003 1 KERB C1 CSR       .0059  .0057  .0085 -.0036  .0111 -.0016  -.5  1.7  -.3 97:214

Velocities
M002 1 KERG P CODE       .0019 -.0001  .0012 -.0018  .0012 -.0006  -.6   .4  -.2
M002 1 KERG P IGS        .0000  .0002  .0012  .0000  .0009 -.0008   .0   .7  -.6
M002 1 KERG P1 JPL      -.0003  .0018 -.0006  .0009  .0008  .0015   .4   .3   .5
M002 1 KERG P NCL       -.0007 -.0032  .0021 -.0004 -.0011 -.0037  -.2  -.4 -1.4
M002 1 KERG P NOAA       .0007  .0016 -.0007 -.0001  .0009  .0017   .0   .2   .4
M002 1 KERG P2 IGN       .0009  .0018 -.0046 -.0003 -.0015  .0048  -.1  -.3  1.0
M002 1 KERG P SCAR      -.0006  .0025  .0008  .0014  .0022  .0008   .4   .4   .1
S002 1 KERA D GRGS      -.0023  .0081 -.0058  .0049  .0014  .0089   .3   .1   .7
S002 1 KERA D9 IGN      -.0295  .0269  .0012  .0369  .0124  .0091   .7   .3   .2
S002 1 KERA C GRIM       .0876 -.0317 -.0043 -.0931 -.0030  .0030  -.1   .0   .0
S003 1 KERB D GRGS      -.0023  .0081 -.0059  .0049  .0014  .0089   .3   .1   .7
S003 1 KERB D9 IGN       .0041  .0042  .0007 -.0024  .0045  .0029  -.2   .4   .3
S003 1 KERB C GRIM      -.0014 -.0045 -.0159 -.0002 -.0140  .0090   .0 -1.6  1.0
S003 1 KERB C1 CSR      -.0019  .0020  .0009  .0025  .0016  .0001   .6   .4   .0

91401 AMSTERDAM

Positions
S001 1 AMSA D GRGS       .0772 -.0295 -.0181 -.0817 -.0218  .0014 -3.0 -1.3   .1 95:105
S001 1 AMSA D9 IGN      -.0790  .0296  .0145  .0835  .0188  .0005  3.0   .9   .0 95: 50
S001 1 AMSA C GRIM      -.0327 -.0452  .0464  .0222  .0053 -.0689   .3   .1 -1.5 93:  1
S001 1 AMSA C1 CSR       .0049  .0020 -.0041 -.0043 -.0014  .0049  -.4  -.2   .6 95: 66
S002 1 AMSB D GRGS       .0563 -.0133 -.0353 -.0578 -.0284  .0209  -.4  -.3   .2 98:214
S002 1 AMSB D9 IGN      -.0651  .0454  .0244  .0733  .0379  .0091  1.5  1.0   .2 99:196
S002 1 AMSB C GRIM      -.0125 -.0293 -.0351  .0058 -.0469 -.0033   .1 -1.6  -.1 99: 61
S002 1 AMSB C1 CSR       .0127  .0034  .0040 -.0117  .0069  .0023  -.6   .5   .2 99:196

Velocities
S001 1 AMSA D GRGS       .0087 -.0001 -.0076 -.0085 -.0049  .0061  -.4  -.4   .4
S001 1 AMSA D9 IGN       .0006 -.0065  .0023 -.0020 -.0020 -.0063  -.1  -.1  -.3
S001 1 AMSA C GRIM       .1270 -.0398 -.0090 -.1325 -.0142 -.0036  -.1   .0   .0
S001 1 AMSA C1 CSR       .0019 -.0046 -.0005 -.0028 -.0029 -.0029  -.4  -.5  -.5
S002 1 AMSB D GRGS       .0087 -.0001 -.0076 -.0085 -.0049  .0061  -.4  -.3   .4
S002 1 AMSB D9 IGN       .0106 -.0227  .0081 -.0153 -.0058 -.0207  -.1  -.1  -.2
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S002 1 AMSB C GRIM       .0088  .0143 -.0078 -.0055  .0036  .0173  -.2   .2  1.1
S002 1 AMSB C1 CSR       .0045  .0042  .0095 -.0035  .0106 -.0019  -.1   .3   .0

91501 ILE DES PETRELS

Positions
M001 1 DUM1 TIE91501     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M001 1 DUM1 P2 IGN       .0003  .0008 -.0006 -.0008  .0000  .0007  -.3   .0   .1 98:340
M001 1 DUM1 P SCAR      -.0072  .0048 -.0069  .0010  .0052  .0098   .1   .4   .4 95:173
S001 1 ADEA TIE91501    -.0328 -.0126 -.0089  .0307  .0121  .0149  1.0   .4   .5 97:  1
S001 1 ADEA D GRGS      -.0228 -.0089 -.0158  .0215  .0045  .0192  2.2   .5  2.0 95:359
S001 1 ADEA D9 IGN       .0338 -.0095 -.0403 -.0144 -.0453  .0243 -1.1 -3.4  1.7 96: 19
S001 1 ADEA C GRIM      -.0148 -.0085  .0203  .0160  .0134 -.0163  1.9  1.7 -2.5 95:361
S001 1 ADEA C1 CSR       .0093  .0009 -.0066 -.0067 -.0086  .0035 -1.9 -2.3   .9 96:148

Velocities
M001 1 DUM1 P2 IGN       .0027  .0009  .0028 -.0024 -.0002 -.0032  -.7  -.1  -.5
M001 1 DUM1 P SCAR       .0064 -.0044  .0489 -.0008  .0123 -.0479   .0   .4  -.9
S001 1 ADEA D GRGS      -.0050 -.0051  .0045  .0071  .0023 -.0039  1.2   .4  -.7
S001 1 ADEA D9 IGN      -.0074  .0008  .0024  .0042  .0066  .0002   .7  1.1   .0
S001 1 ADEA C GRIM      -.0025 -.0015 -.0005  .0027  .0007  .0008   .7   .2   .2
S001 1 ADEA C1 CSR      -.0041  .0006  .0022  .0022  .0041 -.0006  1.3  2.3  -.3

92201 PAPEETE (TAHITI)

Positions
M003 1 PAMA P CODE       .0155  .0044  .0103  .0041  .0051 -.0180   .4   .6 -1.4 96: 82
M003 1 PAMA P GFZ       -.0181 -.0129 -.0036  .0020  .0033  .0222   .2   .4  1.7 94:344
M003 1 PAMA P IGS        .0032  .0018  .0003  .0001 -.0008 -.0035   .0  -.3  -.7 96:250
M003 1 PAMA P NOAA      -.0082  .0037 -.0075 -.0074 -.0056  .0072  -.6  -.7   .6 96:221
M006 1 TAHI TIE92201     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M006 1 TAHI P CODE      -.0052  .0000  .0032 -.0026  .0044  .0033  -.2   .6   .3 97:297
M006 1 TAHI P GFZ        .0139 -.0007  .0017  .0076 -.0019 -.0116   .7  -.3 -1.0 97:298
M006 1 TAHI P IGS       -.0093 -.0017 -.0026 -.0033  .0002  .0093  -.7   .1  1.8 97:312
M007 1 7124 TIE92201    -.0007  .0038  .0017 -.0036  .0012 -.0018 -1.1   .4  -.6 97:  1
M007 1 7124 L AUS        .0186 -.0140 -.0159  .0215 -.0179 -.0037   .7  -.5  -.1 98: 54
M007 1 7124 L CGS        .0058 -.0133 -.0093  .0144 -.0083  .0045   .8  -.6   .2 98:342
M007 1 7124 L CRL        .0058 -.0156 -.0132  .0164 -.0118  .0067   .8  -.3   .3 98:165
M007 1 7124 L4 CSR       .0113 -.0152 -.0068  .0188 -.0071  .0001   .7  -.4   .0 99: 34
M007 1 7124 L DEOS      -.0003  .0471 -.0170 -.0408 -.0234 -.0174  -.2  -.2  -.1 91:212
M007 1 7124 L DGFI       .0092 -.0164 -.0076  .0188 -.0072  .0027   .7  -.3   .1 98:335
M007 1 7124 L JCET       .1175  .0633  .0510  .0048  .0083 -.1426   .1   .1 -1.6 98:143
M007 1 7124 C1 CSR       .0014 -.0020 -.0011  .0025 -.0011  .0001   .3  -.2   .0 99:  7
M009 1 THTI TIE92201    -.0003  .0008 -.0016 -.0009 -.0016  .0003  -.3  -.5   .1 97:  1
M009 1 THTI P CODE      -.0045 -.0085  .0003  .0050  .0028  .0077   .5   .3   .7 99:251
M009 1 THTI P GFZ        .0065  .0029  .0001  .0008 -.0020 -.0067   .1  -.3  -.7 99:184
M009 1 THTI P IGS       -.0029 -.0024  .0008  .0006  .0019  .0033   .1   .7   .7  0: 46
M009 1 THTI P NOAA      -.0150 -.0008 -.0074 -.0069 -.0030  .0150  -.5  -.3  1.1 99:153
S007 1 PAPB TIE92201    -.0015 -.0024 -.0019  .0013 -.0011  .0030   .4  -.3  1.0 97:  1
S007 1 PAPB D GRGS       .0032  .0289  .0114 -.0233  .0056 -.0200  -.6   .3  -.6 96:170
S007 1 PAPB D9 IGN       .0158  .0078  .0512  .0012  .0435 -.0322   .0  1.7  -.9 96:203
S007 1 PAPB C GRIM       .0327  .0709  .0458 -.0446  .0243 -.0750  -.2   .2  -.4 93:  1
S007 1 PAPB C1 CSR      -.0005  .0384  .0061 -.0333  .0001 -.0200 -2.2   .0 -1.5 96:235
S008 1 PAQB TIE92201    -.0011  .0000 -.0018 -.0006 -.0014  .0014  -.1  -.4   .4 97:  1
S008 1 PAQB D GRGS       .0645 -.0369 -.0396  .0645 -.0489 -.0233   .6  -.8  -.2 98:100
S008 1 PAQB D9 IGN       .0166 -.0172  .0656  .0233  .0608 -.0252   .4  1.7  -.5 99:175
S008 1 PAQB C GRIM       .0598  .1334 -.0036 -.0848 -.0394 -.1124 -1.6 -1.5 -2.5 99: 98
S008 1 PAQB C1 CSR       .0058  .0411  .0122 -.0326  .0038 -.0283 -1.7   .3 -1.7 99:197

Velocities
M003 1 PAMA P CODE      -.0147 -.0012 -.0012 -.0064  .0029  .0130  -.4   .3   .7
M003 1 PAMA P GFZ        .0008 -.0003 -.0007  .0007 -.0008 -.0003   .1  -.3  -.1
M003 1 PAMA P IGS        .0075 -.0096  .0032  .0121  .0026 -.0025   .9   .4  -.2
M003 1 PAMA P NOAA       .0068 -.0027 -.0019  .0058 -.0031 -.0037   .2  -.2  -.1
M006 1 TAHI P CODE      -.0102 -.0144 -.0091  .0073 -.0038  .0180   .3  -.2   .7
M006 1 TAHI P GFZ       -.0007  .0010 -.0007 -.0013 -.0007  .0003 -1.2  -.6   .3
M006 1 TAHI P IGS       -.0150 -.0083 -.0087 -.0004 -.0031  .0190   .0  -.3  1.1
M007 1 7124 L AUS       -.0182  .0291  .0038 -.0343  .0039 -.0003 -1.2   .1   .0
M007 1 7124 L CGS       -.0034 -.0024 -.0039  .0004 -.0024  .0052   .0  -.1   .2
M007 1 7124 L CRL       -.0038 -.0031 -.0002  .0008  .0012  .0047   .1   .1   .3
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M007 1 7124 L4 CSR      -.0055 -.0080 -.0043  .0041 -.0015  .0097   .3  -.1   .6
M007 1 7124 L DEOS       .0005 -.0124  .0001  .0110  .0019  .0056   .4   .1   .2
M007 1 7124 L DGFI       .0039  .0013  .0009  .0009 -.0004 -.0041   .0   .0  -.1
M007 1 7124 L JCET      -.0007  .0041 -.0072 -.0039 -.0073  .0008   .0   .0   .0
M007 1 7124 C1 CSR      -.0040 -.0046 -.0038  .0020 -.0019  .0066   .1  -.2   .4
M009 1 THTI P CODE      -.0102 -.0144 -.0091  .0072 -.0038  .0180   .3  -.2   .7
M009 1 THTI P GFZ       -.0007  .0009 -.0007 -.0012 -.0006  .0003 -1.1  -.6   .3
M009 1 THTI P IGS        .0056 -.0007  .0014  .0034  .0000 -.0047   .5   .0  -.5
M009 1 THTI P NOAA       .0006  .0000 -.0004  .0003 -.0006 -.0004   .0   .0   .0
S007 1 PAPB D GRGS       .0094  .0054 -.0005  .0001 -.0037 -.0102   .0  -.2  -.3
S007 1 PAPB D9 IGN       .0075  .0070 -.0096 -.0022 -.0122 -.0067   .0  -.4  -.2
S007 1 PAPB C GRIM      -.1157  .1718  .0312 -.2067  .0336  .0028  -.1   .0   .0
S007 1 PAPB C1 CSR       .0003  .0144 -.0186 -.0122 -.0200 -.0016  -.6 -1.7  -.1
S008 1 PAQB D GRGS       .0094  .0054 -.0005  .0001 -.0037 -.0102   .0  -.2  -.3
S008 1 PAQB D9 IGN      -.0399 -.0510 -.0221  .0238 -.0029  .0641   .2   .0   .6
S008 1 PAQB C GRIM       .0029 -.0016 -.0068  .0029 -.0070  .0004   .1  -.2   .0
S008 1 PAQB C1 CSR      -.0337 -.0253 -.0138  .0048 -.0005  .0441   .1   .0   .9

92202 HUAHINE ( MOTU H

Positions
M002 1 7121 TIE92202     .0013  .0002  .0002  .0004 -.0001 -.0013   .1   .0  -.4 97:  1
M002 1 7121 L CGS       -.0298 -.0170  .0189  .0004  .0280  .0274   .0  1.8  1.1 85: 26
M002 1 7121 L4 CSR       .0005  .0201  .0059 -.0173  .0027 -.0114  -.3   .1  -.1 85: 53
M002 1 7121 L DEOS      -.0647 -.0508 -.0152  .0131  .0088  .0822   .2   .1  1.1 94:203
M002 1 7121 C GRIM       .0285 -.0173  .0123  .0289  .0070 -.0194   .2   .0  -.1 93:  1
M004 1 7123 TIE92202     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M004 1 7123 L CGS        .0278 -.0606 -.0063  .0665 -.0046  .0066   .8  -.1   .1 97:  1
M004 1 7123 L CRL       -.0073 -.0111  .0018  .0062  .0051  .0108   .4   .4   .6 91:117
M004 1 7123 L4 CSR       .0122  .0051  .0067  .0015  .0026 -.0145   .0   .1  -.2 90:186
M004 1 7123 L DEOS      -.0093 -.0252  .0044  .0175  .0101  .0182   .7   .3   .7 93:  1
M004 1 7123 L DGFI       .0004 -.0065 -.0060  .0059 -.0049  .0044   .3  -.3   .3 91:207
M004 1 7123 C GRIM      -.0063  .0141 -.0079 -.0154 -.0079  .0010  -.2  -.1   .0 93:  1
M004 1 7123 C1 CSR       .0006  .0107 -.0211 -.0091 -.0218  .0006  -.2  -.8   .0 93:213
S009 1 HUAA TIE92202    -.0024 -.0021 -.0011  .0007 -.0002  .0033   .2  -.1  1.0 97:  1
S009 1 HUAA D9 IGN       .0347  .0396  .0445 -.0178  .0284 -.0602  -.4  1.0 -1.4 93:363
S009 1 HUAA C GRIM       .0815  .0155  .0379  .0259  .0136 -.0864   .5   .5 -1.9 93:356
S009 1 HUAA C1 CSR       .0266  .0463  .0033 -.0276 -.0100 -.0447 -1.6 -1.0 -2.8 93:254

Velocities
M002 1 7121 L CGS        .0080 -.0064 -.0025  .0095 -.0036 -.0031   .7  -.3  -.2
M002 1 7121 L4 CSR       .0200 -.0243  .0040  .0310  .0022 -.0066  1.2   .1  -.2
M002 1 7121 L DEOS      -.0022 -.0062 -.0032  .0043 -.0016  .0056   .4  -.2   .7
M002 1 7121 C GRIM      -.1091  .1816  .0330 -.2118  .0338 -.0023  -.1   .0   .0
M004 1 7123 L CGS       -.0432  .0672  .0259 -.0797  .0263 -.0024   .0   .0   .0
M004 1 7123 L CRL        .0025 -.0009 -.0031  .0021 -.0035 -.0008   .2  -.3   .0
M004 1 7123 L4 CSR      -.0024 -.0035 -.0030  .0019 -.0018  .0045   .2  -.2   .4
M004 1 7123 L DEOS      -.0758  .0812  .0848 -.1077  .0890  .0015   .0   .0   .0
M004 1 7123 L DGFI      -.0045  .0004  .0094 -.0025  .0101  .0009  -.2   .7   .1
M004 1 7123 C GRIM      -.1091  .1816  .0330 -.2118  .0338 -.0023  -.1   .0   .0
M004 1 7123 C1 CSR       .0523  .0509  .0421 -.0192  .0200 -.0795  -.1   .1  -.3
S009 1 HUAA D9 IGN      -.0039  .0095  .0015 -.0102  .0011 -.0016  -.1   .0   .0
S009 1 HUAA C GRIM       .0000  .0063  .0033 -.0055  .0022 -.0039  -.2   .1  -.1
S009 1 HUAA C1 CSR      -.0027  .0317 -.0079 -.0290 -.0113 -.0101 -1.0  -.6  -.4

92403 RAPA

Positions
S001 1 RAQB D GRGS      -.0033 -.0339 -.0008  .0256  .0097  .0203   .7   .4   .7 97:220
S001 1 RAQB D9 IGN      -.0168 -.0288  .0265  .0136  .0377  .0147   .3  1.3   .4 97:279
S001 1 RAQB C GRIM       .0075  .0269  .0041 -.0175 -.0065 -.0212  -.6  -.3  -.8 97: 70
S001 1 RAQB C1 CSR      -.0046  .0034 -.0031 -.0054 -.0020  .0030  -.4  -.2   .3 97:269

Velocities
S001 1 RAQB D GRGS       .0072  .0020 -.0039  .0026 -.0067 -.0044   .1  -.3  -.1
S001 1 RAQB D9 IGN       .0022 -.0124  .0046  .0114  .0066  .0027   .3   .3   .1
S001 1 RAQB C GRIM       .0003  .0250 -.0012 -.0201 -.0080 -.0126  -.3  -.2  -.2
S001 1 RAQB C1 CSR       .0056  .0038  .0030  .0001 -.0004 -.0074   .0   .0  -.6

92701 NOUMEA
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Positions
M003 1 NOUM TIE92701     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M003 1 NOUM P CODE      -.0050  .0049  .0011 -.0036  .0032  .0051  -.7   .5   .8 98:324
M003 1 NOUM P GFZ        .0092 -.0005 -.0024 -.0016 -.0056 -.0075  -.3 -1.0 -1.0 99:246
M003 1 NOUM P IGS        .0011 -.0004  .0027  .0001  .0021 -.0021   .1  1.0  -.6 99:166
M003 1 NOUM P NOAA       .0014  .0069 -.0039 -.0071 -.0035  .0017 -1.4  -.8   .3 98:323
S001 1 NOUA TIE92701    -.0024 -.0008  .0041  .0013  .0046  .0004   .4  1.5   .1 97:  1
S001 1 NOUA D GRGS      -.0094  .0605  .0103 -.0566  .0184  .0177 -1.5   .9   .7 96: 23
S001 1 NOUA D9 IGN       .0220  .0223 -.0118 -.0268 -.0170 -.0105  -.9  -.8  -.4 96:262
S001 1 NOUA C GRIM       .0481  .0047  .0079 -.0159 -.0100 -.0453  -.4  -.6 -1.9 97:121
S001 1 NOUA C1 CSR       .0070  .0135 -.0174 -.0148 -.0174  .0033 -1.2 -2.4   .4 96:290

Velocities
M003 1 NOUM P CODE       .0051 -.0009  .0019 -.0003 -.0002 -.0055  -.1   .0  -.7
M003 1 NOUM P GFZ       -.0008 -.0001 -.0020  .0003 -.0016  .0015   .0  -.2   .1
M003 1 NOUM P IGS       -.0002  .0010 -.0016 -.0009 -.0014  .0010  -.5  -.6   .3
M003 1 NOUM P NOAA       .0011  .0015  .0027 -.0017  .0022 -.0017  -.3   .4  -.2
S001 1 NOUA D GRGS      -.0024 -.0053  .0016  .0057  .0018  .0004   .2   .1   .0
S001 1 NOUA D9 IGN      -.0064 -.0007  .0063  .0022  .0081  .0032   .1   .8   .3
S001 1 NOUA C GRIM       .0004  .0001 -.0066 -.0002 -.0062  .0022   .0  -.5   .1
S001 1 NOUA C1 CSR      -.0016  .0005 -.0002 -.0001  .0004  .0016   .0   .1   .4

92722 WANAHAM/ILE LIFO

Positions
S001 1 LIFB D GRGS      -.0304  .0553 -.0067 -.0472  .0085  .0415  -.9   .4  1.2 95:305
S001 1 LIFB D9 IGN       .0078  .0200 -.0304 -.0212 -.0295  .0078  -.1  -.3   .1 97:344
S001 1 LIFB C GRIM       .0061 -.0595  .0065  .0567 -.0007 -.0202  1.0   .0  -.6 96:249

Velocities
S001 1 LIFB D GRGS       .0003  .0179  .0038 -.0176  .0048  .0021  -.4   .3   .1
S001 1 LIFB D9 IGN       .1317 -.0929  .0618  .0615  .0050 -.1612   .1   .0  -.3
S001 1 LIFB C GRIM      -.0055  .0203  .0036 -.0186  .0069  .0080  -.4   .3   .2

92802 TANNA

Positions
S001 1 TANB D GRGS      -.0264  .0696 -.0030 -.0634  .0102  .0377 -1.1   .4  1.0 95:346
S001 1 TANB D9 IGN       .0048  .0084 -.0265 -.0091 -.0261  .0059  -.1  -.3   .0 97:332
S001 1 TANB C GRIM      -.0030 -.0585  .0024  .0581 -.0004 -.0083   .9   .0  -.2 96:323

Velocities
S001 1 TANB D GRGS       .0047  .0271  .0028 -.0275  .0028 -.0005  -.6   .1   .0
S001 1 TANB D9 IGN       .1177 -.0606  .1403  .0377  .0898 -.1666   .0   .2  -.3
S001 1 TANB C GRIM      -.0022  .0291  .0102 -.0282  .0122  .0037  -.4   .4   .1

92901 WALLIS

Positions
S001 1 WALA D GRGS      -.0060 -.0061 -.0231  .0057 -.0210  .0115   .2 -1.3   .5 95:322
S001 1 WALA D9 IGN      -.0394  .0121  .0276 -.0147  .0357  .0311  -.5  2.0  1.2 96:232
S001 1 WALA C GRIM       .0215  .0092  .0033 -.0078 -.0019 -.0223  -.2  -.1 -1.2 96:169
S001 1 WALA C1 CSR      -.0080 -.0092 -.0243  .0087 -.0217  .0139   .1  -.4   .2 96: 54

Velocities
S001 1 WALA D GRGS       .0087 -.0098  .0025  .0104  .0006 -.0084   .5   .1  -.6
S001 1 WALA D9 IGN      -.0070 -.0080  .0019  .0075  .0036  .0069   .5   .4   .6
S001 1 WALA C GRIM       .0006  .0059  .0002 -.0058  .0000 -.0010  -.4   .0  -.1
S001 1 WALA C1 CSR       .0008 -.0075  .0038  .0075  .0037 -.0012   .2   .2   .0

97301 KOUROU

Positions
M210 1 KOUR TIE97301     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
M210 1 KOUR P CODE       .0026 -.0048  .0086 -.0008  .0081  .0062  -.1  1.9  1.0 97: 37
M210 1 KOUR P GFZ       -.0001  .0024 -.0020  .0014 -.0018 -.0022   .3  -.6  -.4 96:177
M210 1 KOUR P IGS        .0018 -.0016  .0014  .0005  .0012  .0024   .2  1.3   .9 98:242
M210 1 KOUR P1 JPL       .0004 -.0001  .0008  .0003  .0008  .0004   .1   .9   .1 95:261
M210 1 KOUR P NCL       -.0017  .0020 -.0011 -.0001 -.0009 -.0027   .0  -.4  -.7 97:288
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M210 1 KOUR P NOAA      -.0004 -.0037  .0024 -.0026  .0022  .0029  -.3   .7   .3 98:190
M210 1 KOUR P DGFI      -.0042 -.0010  .0009 -.0039  .0011 -.0016  -.3   .3  -.1 97:345
M210 1 KOUR P SCAR       .0074 -.0002  .0033  .0058  .0028  .0049   .5   .7   .4 96:267
S004 1 KRUB TIE97301     .0620 -.0305 -.0468  .0308 -.0521  .0575   .6 -1.0  1.1 97:  1
S004 1 KRUB D GRGS      -.0164  .0024 -.0134 -.0115 -.0123 -.0130  -.5 -1.1  -.6 96: 40
S004 1 KRUB D9 IGN      -.0126 -.0449  .0086 -.0373  .0061  .0287 -1.6   .4  1.2 96:186
S004 1 KRUB C GRIM      -.0186  .0251 -.0097  .0005 -.0069 -.0320   .0  -.7 -1.4 96:244
S004 1 KRUB C1 CSR       .0076 -.0011  .0055  .0054  .0049  .0059   .6  1.0   .7 96:265
S005 1 KRUA TIE97301     .0620 -.0305 -.0468  .0308 -.0521  .0574   .6 -1.0  1.1 97:  1

Velocities
M210 1 KOUR P CODE       .0006  .0012 -.0005  .0012 -.0004 -.0006   .2  -.2  -.1
M210 1 KOUR P GFZ        .0016 -.0006  .0001  .0009  .0000  .0014   .4   .0   .5
M210 1 KOUR P IGS       -.0006  .0015  .0013  .0004  .0014 -.0014   .3  2.2  -.8
M210 1 KOUR P1 JPL      -.0014  .0009 -.0011 -.0006 -.0009 -.0016  -.4 -1.9 -1.0
M210 1 KOUR P NCL       -.0004 -.0002  .0003 -.0004  .0003  .0000  -.1   .2   .0
M210 1 KOUR P NOAA       .0015 -.0033  .0012 -.0008  .0009  .0036  -.2   .4   .8
M210 1 KOUR P DGFI       .0011 -.0044 -.0021 -.0018 -.0025  .0040  -.1  -.6   .2
M210 1 KOUR P SCAR      -.0024  .0006  .0001 -.0016  .0002 -.0019  -.2   .1  -.2
S004 1 KRUB D GRGS       .0019  .0031  .0045  .0034  .0046 -.0009   .2   .6  -.1
S004 1 KRUB D9 IGN       .0062 -.0026  .0002  .0034 -.0003  .0059   .3   .0   .5
S004 1 KRUB C GRIM      -.0058 -.0021 -.0002 -.0059 -.0001 -.0019  -.5   .0  -.2
S004 1 KRUB C1 CSR       .0062  .0041  .0029  .0074  .0028  .0007  1.7  1.1   .2

97401 LA REUNION

Positions
S001 1 REUA TIE97401     .0000 -.0001  .0000  .0000  .0000 -.0001   .0   .0   .0 97:  1
S001 1 REUA D GRGS       .0151  .0136  .0109 -.0048  .0173  .0145  -.2  1.3   .7 95:317
S001 1 REUA D9 IGN      -.0654  .0486  .0116  .0814  .0120 -.0013  3.6   .8  -.1 95:259
S001 1 REUA C GRIM      -.0581 -.0119  .0301  .0411  .0126 -.0507   .7   .4 -1.0 93:  1
S001 1 REUA C1 CSR       .0142 -.0102 -.0083 -.0175 -.0078  .0026 -1.9 -1.3   .3 95:281
S002 1 REUB TIE97401     .0000  .0000  .0000  .0000  .0000  .0000   .0   .0   .0 97:  1
S002 1 REUB D GRGS      -.0104  .0157  .0068  .0175  .0090  .0042   .1   .1   .0 98: 32
S002 1 REUB D9 IGN      -.0466  .0360  .0216  .0588  .0213 -.0047  1.2   .6  -.1 99:207
S002 1 REUB C GRIM      -.0116 -.0133 -.0211  .0021 -.0260 -.0087   .0 -1.0  -.2 99: 12
S002 1 REUB C1 CSR       .0189 -.0238  .0028 -.0290 -.0006 -.0093 -1.4   .0  -.5 99:201

Velocities
S001 1 REUA D GRGS       .0033 -.0021 -.0007 -.0039 -.0006  .0004  -.3  -.1   .0
S001 1 REUA D9 IGN       .0001 -.0013  .0033 -.0008  .0027 -.0021  -.1   .3  -.2
S001 1 REUA C GRIM       .1096 -.0702  .0132 -.1301  .0138 -.0011  -.1   .0   .0
S001 1 REUA C1 CSR      -.0019  .0025 -.0018  .0030 -.0013  .0015   .6  -.4   .3
S002 1 REUB D GRGS       .0033 -.0021 -.0007 -.0039 -.0006  .0004  -.3  -.1   .0
S002 1 REUB D9 IGN       .0374  .0059  .0084 -.0275  .0172  .0212  -.2   .2   .2
S002 1 REUB C GRIM       .0137  .0060 -.0073 -.0080 -.0022  .0145  -.5  -.2  1.0
S002 1 REUB C1 CSR       .0346 -.0282  .0082 -.0445  .0063 -.0063  -.8   .2  -.1
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