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C =====
C ORBIT MANOEUVRE SUMMARY (J2000 SYSTEM)
C -----
C SC MN EPOCH_____UTC TAN_DEG ENG/THR MOD DUR__SEC DVE_M/S RAS_DEG DEC_DEG
C -----
C 1 1 2004/05/02 03:34:24 38.887 RAD FIX 5383.23 27.777 165.012 -16.875
C 1 2 2004/05/03 16:08:51 202.458 RAD FIX 5117.97 26.684 167.087 -17.745
C 1 3 2004/05/07 04-12 152.108 ATT 257.47 0.000 136.435 15.952
C 1 4 2004/05/11 03:57:41 360.000 FIX 0.00 0.000 0.000 0.000
C 1 5 2004/05/12 18:27:24 203.000 RAD FIX 5123.87 27.000 172.143 -27.408
C 1 6 2004/05/15 01:50:04 203.000 RAD FIX 5071.37 27.000 174.871 -28.179
C 1 7 2004/05/19 04-11 173.535 ATT 79.54 0.000 260.031 -16.254
C 1 8 2004/05/21 04-12 175.474 FIX 0.00 0.000 0.000 0.000
C 1 9 2004/05/24 02:31:58 180.000 FIX 0.00 0.000 0.000 0.000
C 1 10 2004/05/27 16:18:56 3.841 AX+ FIX 7.42 0.240 86.214 -72.321
C 1 11 2004/05/30 03:08:35 55.000 FIX 0.00 0.000 0.000 0.000
C 1 12 2004/06/03 04:41:02 210.000 FIX 0.00 0.000 0.000 0.000
C 1 13 2004/06/07 08:58:36 180.000 FIX 0.00 0.000 0.000 0.000
C 1 14 2004/06/13 07:42:37 360.000 FIX 0.00 0.000 0.000 0.000
C 1 15 2004/06/20 10:52:05 360.000 FIX 0.00 0.000 0.000 0.000
C -----
C 2 1 2004/05/02 04:12:17 57.108 RAD FIX 5472.15 27.576 174.313 -21.465
C 2 2 2004/05/03 17:30:42 205.352 RAD FIX 4464.46 22.715 177.228 -22.779
C 2 3 2004/05/07 04-12 151.457 ATT 242.22 0.000 133.092 16.473
C 2 4 2004/05/11 04:19:29 360.000 FIX 0.00 0.000 0.000 0.000
C 2 5 2004/05/12 21:33:02 210.000 RAD FIX 4673.55 24.000 157.543 -22.726
C 2 6 2004/05/15 04:59:59 210.000 RAD FIX 4630.96 24.000 160.159 -23.460
C 2 7 2004/05/19 04-11 173.155 ATT 72.59 0.000 243.729 -15.180
C 2 8 2004/05/21 04-12 175.062 FIX 0.00 0.000 0.000 0.000
C 2 9 2004/05/24 02:43:52 180.000 FIX 0.00 0.000 0.000 0.000
C 2 10 2004/05/27 16:23:04 1.229 AX+ FIX 0.05 0.001 86.214 -72.321
C 2 11 2004/05/30 03:13:18 55.000 FIX 0.00 0.000 0.000 0.000
C 2 12 2004/06/03 05:03:21 210.000 FIX 0.00 0.000 0.000 0.000
C 2 13 2004/06/07 09:07:27 180.000 FIX 0.00 0.000 0.000 0.000
C 2 14 2004/06/13 07:51:26 360.000 FIX 0.00 0.000 0.000 0.000
C 2 15 2004/06/20 11:00:52 360.000 FIX 0.00 0.000 0.000 0.000
C -----
C 3 1 2004/05/02 03:51:41 48.005 RAD FIX 4780.66 24.457 158.518 -14.118
C 3 2 2004/05/03 18:19:16 206.867 RAD FIX 4148.64 21.410 180.960 -24.136
C 3 3 2004/05/07 04-12 150.272 ATT 256.71 0.000 132.889 16.740
C 3 4 2004/05/11 05:27:15 10.726 FIX 0.00 0.000 0.000 0.000
C 3 5 2004/05/12 21:10:24 206.000 RAD FIX 4226.27 22.000 180.527 -30.080
C 3 6 2004/05/15 04:39:50 206.000 RAD FIX 4190.95 22.000 183.212 -30.833
C 3 7 2004/05/19 04-11 171.727 ATT 65.67 0.000 269.268 -16.557
C 3 8 2004/05/21 04-12 173.651 FIX 0.00 0.000 0.000 0.000
C 3 9 2004/05/24 05:43:36 185.133 AX+ FIX 162.71 5.195 86.214 -72.321
C 3 10 2004/05/27 15:18:06 320.748 AX- FIX 18.69 0.597 266.214 72.321
C 3 11 2004/05/30 03:22:58 55.000 FIX 0.00 0.000 0.000 0.000
C 3 12 2004/06/03 05:11:59 210.000 FIX 0.00 0.000 0.000 0.000
C 3 13 2004/06/07 09:16:52 180.000 FIX 0.00 0.000 0.000 0.000
C 3 14 2004/06/13 08:00:47 360.000 FIX 0.00 0.000 0.000 0.000
C 3 15 2004/06/20 11:10:14 360.000 FIX 0.00 0.000 0.000 0.000
C -----

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|         |   |    |            |          |         |     |     |         |        |         |         |
|---------|---|----|------------|----------|---------|-----|-----|---------|--------|---------|---------|
| C       | 4 | 1  | 2004/05/02 | 04:17:40 | 59.371  | RAD | FIX | 5862.74 | 29.661 | 168.534 | -18.654 |
| C       | 4 | 2  | 2004/05/03 | 19:17:28 | 210.641 | RAD | FIX | 5196.65 | 26.574 | 177.722 | -22.783 |
| C       | 4 | 3  | 2004/05/07 | 04-12    | 152.064 |     | ATT | 241.22  | 0.000  | 135.505 | 15.899  |
| C       | 4 | 4  | 2004/05/11 | 04:08:28 | 0.000   |     | FIX | 0.00    | 0.000  | 0.000   | 0.000   |
| C       | 4 | 5  | 2004/05/12 | 22:23:54 | 213.000 | RAD | FIX | 4839.28 | 25.000 | 176.228 | -28.718 |
| C       | 4 | 6  | 2004/05/15 | 05:52:36 | 213.000 | RAD | FIX | 4793.35 | 25.000 | 178.954 | -29.485 |
| C       | 4 | 7  | 2004/05/19 | 04-11    | 173.441 |     | ATT | 75.15   | 0.000  | 264.543 | -16.413 |
| C       | 4 | 8  | 2004/05/21 | 04-12    | 175.343 |     | FIX | 0.00    | 0.000  | 0.000   | 0.000   |
| C       | 4 | 9  | 2004/05/23 | 10:42:33 | 144.517 |     | FIX | 0.00    | 0.000  | 0.000   | 0.000   |
| C       | 4 | 10 | 2004/05/27 | 16:19:29 | 4.281   |     | FIX | 0.00    | 0.000  | 0.000   | 0.000   |
| C       | 4 | 11 | 2004/05/30 | 03:04:16 | 55.000  |     | FIX | 0.00    | 0.000  | 0.000   | 0.000   |
| C       | 4 | 12 | 2004/06/03 | 04:55:15 | 210.000 |     | FIX | 0.00    | 0.000  | 0.000   | 0.000   |
| C       | 4 | 13 | 2004/06/07 | 08:58:35 | 180.000 |     | FIX | 0.00    | 0.000  | 0.000   | 0.000   |
| C       | 4 | 14 | 2004/06/13 | 07:42:38 | 360.000 |     | FIX | 0.00    | 0.000  | 0.000   | 0.000   |
| C       | 4 | 15 | 2004/06/20 | 10:52:03 | 360.000 |     | FIX | 0.00    | 0.000  | 0.000   | 0.000   |
| C ===== |   |    |            |          |         |     |     |         |        |         |         |

- 1 - Radial ascending manoeuvre
- 2/5/6 - Radial descending manoeuvres
- 3/7 Attitude manoeuvres
- 4 - Drift start manoeuvre
- 8 - Spin correction manoeuvre
- 9 - Apogee axial manoeuvre
- 10 - Drift stop manoeuvre
- 11 - Trim manoeuvre: Radial ascending
- 12 - Trim manoeuvre: Radial descending
- 13 - Trim manoeuvre: Apogee axial
- 14 - Trim manoeuvre: Drift start
- 15 - Trim manoeuvre: Drift stop

For the attitude and spin correction manoeuvres windows of 5-6 hours with ground station visibility are given. The exact times can be chosen by the flight control team

As usual orbit manoeuvres which are zero now will differ from zero later on but they will only become short manoeuvres.