

Attitude Timeline

MET/GMT	ORBITER		REF ATT/REMARKS	EVENT
	MNVR OPTION	DAP E/S/ β		
73 004/08:25:00 M 43 021/00:04:00 G 43	LVLH TRACK TGT = 2 P = 90.00 BV = 5 Y = 285.69 OM = 90.00 MNVR A10/AUTO/VERN HOLD (same)	RATE 0.0100 DB AT 0.100 DB RT 0.020 EARTH R 286 P 90 $\beta = -57$	LVLH R= 0.00 P=105.69 Y=270.00	BIAS -YLV +ZVV SOLSE: Limb view TR 08:56:49
74 004/09:12:00 M 24 021/00:51:00 G 24	LVLH TRACK TGT = 2 P = 90.00 BV = 5 Y = 285.93 OM = 90.00 MNVR A10/AUTO/VERN HOLD (same)	RATE 0.0100 DB AT 0.100 DB RT 0.020 EARTH R 286 P 90 $\beta = -57$	LVLH R= 0.00 P=105.93 Y=270.00	BIAS -YLV +ZVV SOLSE: Limb view
75 004/09:28:00 M 21 021/01:07:00 G 21	LVLH TRACK TGT = 2 P = 90.00 BV = 5 Y = 286.14 OM = 90.00 MNVR A10/AUTO/VERN HOLD (same)	RATE 0.0100 DB AT 0.100 DB RT 0.020 EARTH R 286 P 90 $\beta = -57$	LVLH R= 0.00 P=106.14 Y=270.00	BIAS -YLV +ZVV SOLSE: Limb view TS 09:41:51
76 004/09:55:00 M 45 021/01:34:00 G 45	LVLH TRACK TGT = 2 P = 90.00 BV = 5 Y = 285.69 OM = 90.00 MNVR A10/AUTO/VERN HOLD (same)	RATE 0.0100 DB AT 0.100 DB RT 0.020 EARTH R 286 P 90 $\beta = -57$	LVLH R= 0.00 P=105.69 Y=270.00	BIAS -YLV +ZVV SOLSE: Limb view TR 10:26:58
77 004/10:42:00 M 24 021/02:21:00 G 24	LVLH TRACK TGT = 2 P = 90.00 BV = 5 Y = 285.93 OM = 90.00 MNVR A10/AUTO/VERN HOLD (same)	RATE 0.0100 DB AT 0.100 DB RT 0.020 EARTH R 286 P 90 $\beta = -57$	LVLH R= 0.00 P=105.93 Y=270.00	BIAS -YLV +ZVV SOLSE: Limb view
78 004/10:58:00 M 21 021/02:37:00 G 21	LVLH TRACK TGT = 2 P = 90.00 BV = 5 Y = 286.14 OM = 90.00 MNVR A10/AUTO/VERN HOLD (same)	RATE 0.0100 DB AT 0.100 DB RT 0.020 EARTH R 286 P 90 $\beta = -57$	LVLH R= 0.00 P=106.14 Y=270.00	BIAS -YLV +ZVV SOLSE: Limb view TS 11:12:00
79 004/11:25:00 M 34:16 021/03:04:00 G 13:16	LVLH TRACK TGT = 2 P = 90.00 BV = 3 Y = 0.00 OM = 0.00 MNVR B9/AUTO/VERN HOLD (same)	RATE 0.2000 DB AT 1.000 DB RT 0.020 EARTH R 0 P 90 $\beta = -57$	LVLH R= 0.00 P=180.00 Y= 0.00	-ZLV -XVV SOLSE: Earth view TR 11:57:07 TS 12:42:06
80 004/12:50:00 M 57:35 021/04:29:00 G 36:35	GND TRACK TGT = 3 P = 90.00 BV = 3 Y = 0.00 OM = 36.00 MNVR B9/AUTO/VERN HOLD (same)	RATE 0.2000 DB AT 1.000 DB RT 0.020 $\beta = -57$	LVLH R=322.44 P=279.88 Y=330.06 LAT = 0.000N LON = -41.000W ALT = 19323.0nm	-ZTDRS LPT: TDRS Comm TDRE 12:45-13:37
81 004/13:15:00 M 27:30 021/04:54:00 G 05:06:30	INRTL TRACK TGT = 5 P = 90.00 BV = 3 Y = 0.00 OM = 154.00 MNVR B9/AUTO/VERN HOLD A10/AUTO/VERN	RATE 0.2000 DB AT 1.000 DB RT 0.020 SUN R 0 P 90 $\beta = -57$	INRTL R=280.50 P=232.01 Y=323.89 RA= 302.200 DEC= -20.150S	-ZSI SOLCON 13:25 - 14:15 SPACE 12:56-13:25 SPACE 14:26-14:53
82 004/14:15:00 M 26:06 021/05:54:00 G 06:05:06	GND TRACK TGT = 3 P = 90.00 BV = 3 Y = 0.00 OM = 120.00 MNVR B9/AUTO/VERN HOLD (same)	RATE 0.2000 DB AT 1.000 DB RT 0.020 $\beta = -57$	LVLH R=212.42 P=121.35 Y=304.37 LAT = 0.000N LON = -41.000W ALT = 19323.0nm	-ZTDRS LPT: TDRS Comm TDRE 14:21-15:12

ALL ORBITER DATA IN
MEAN OF 1950 AND PYR EULER SEQUENCE

Attitude Timeline

MET/GMT	ORBITER		REF ATT/REMARKS	EVENT
	MNVR OPTION	DAP E/S/ β		
83 004/14:44:00 M 55:10 021/06:23:00 G 34:10	INRTL TRACK TGT = 5 P = 90.00 BV = 3 Y = 0.00 OM = 150.00 MNVR B9/AUTO/VERN HOLD A10/AUTO/VERN	RATE 0.2000 DB AT 1.000 DB RT 0.020 SUN R 0 P 90 $\beta = -56$	INRTL R=283.72 P=237.45 Y=324.81 RA= 302.260 DEC= -20.140S	-ZSI SOLCON 14:55 - 15:45 SPACE 14:26-14:53 SPACE 15:47-16:04
84 004/15:45:00 M 54:38 021/07:24:00 G 33:38	GND TRACK TGT = 3 P = 90.00 BV = 3 Y = 0.00 OM = 194.00 MNVR B9/AUTO/VERN HOLD (same)	RATE 0.2000 DB AT 1.000 DB RT 0.020 $\beta = -56$	LVLH R=208.41 P=221.32 Y= 12.37 LAT = 0.000N LON = -174.000W ALT = 19323.0nm	-ZTDRS LPT: TDRS Comm TDRW 15:18-16:10
85 004/16:12:00 M 18:07 021/07:51:00 G 57:07	LVLH TRACK TGT = 2 P = 90.00 BV = 3 Y = 0.00 OM = 180.00 MNVR B9/AUTO/VERN HOLD (same)	RATE 0.2000 DB AT 1.000 DB RT 0.020 EARTH R 0 P 90 $\beta = -56$	LVLH R=180.00 P= 0.00 Y= 0.00	-ZLV +XVV MEIDEX: Dust 16:38 - 16:42 Rome flyover
86 004/16:50:00 M 55:55 021/08:29:00 G 34:55	LVLH TRACK TGT = 2 P = 19.00 BV = 5 Y = 0.00 OM = 180.00 MNVR B9/AUTO/VERN HOLD (same)	RATE 0.2000 DB AT 1.000 DB RT 0.020 EARTH R 0 P 19 $\beta = -56$	LVLH R=180.00 P=289.00 Y= 0.00	BIAS +XLV +ZVV MEIDEX: Sprite NITE 17:21-17:50 STARNAV: 1 SUN30 16:52-17:09
87 004/17:50:00 M 55:55 021/09:29:00 G 34:55	LVLH TRACK TGT = 2 P = 90.00 BV = 3 Y = 0.00 OM = 180.00 MNVR B9/AUTO/VERN HOLD (same)	RATE 0.2000 DB AT 1.000 DB RT 0.020 EARTH R 0 P 90 $\beta = -56$	LVLH R=180.00 P= 0.00 Y= 0.00	-ZLV +XVV MEIDEX: Dust 18:10 - 18:16 Rome flyover
88 004/18:23:00 M 28:55 021/10:02:00 G 07:55	LVLH TRACK TGT = 2 P = 19.00 BV = 5 Y = 0.00 OM = 180.00 MNVR B9/AUTO/VERN HOLD (same)	RATE 0.2000 DB AT 1.000 DB RT 0.020 EARTH R 0 P 19 $\beta = -56$	LVLH R=180.00 P=289.00 Y= 0.00	BIAS +XLV +ZVV MEIDEX: Sprite NITE 18:51-19:20
89 004/19:26:00 M 31:55 021/11:05:00 G 10:55	LVLH TRACK TGT = 2 P = 90.00 BV = 5 Y = 0.00 OM = 180.00 MNVR B9/AUTO/VERN HOLD (same)	RATE 0.2000 DB AT 1.000 DB RT 0.020 EARTH R 0 P 90 $\beta = -56$	LVLH R=180.00 P= 0.00 Y= 0.00	-ZLV +XVV MEIDEX: Dust 19:44 - 19:52 Rome flyover RAM AT 19:56
90 004/19:54:00 M 20:05:39 021/11:33:00 G 44:39	GND TRACK TGT = 3 P = 90.00 BV = 3 Y = 0.00 OM = 50.00 MNVR B9/AUTO/VERN HOLD (same)	RATE 0.2000 DB AT 1.000 DB RT 0.020 $\beta = -56$	LVLH R=312.41 P=205.86 Y=321.21 LAT = 0.000N LON = -174.000W ALT = 19323.0nm	-ZTDRS LPT: TDRS Comm TDRW 20:09-21:02