

| STS-109/HST SM-3B | | | SpaceCalc Shuttle Mission Planner | | | | | |
|---|---|----------|-----------------------------------|----|--|----|----|---|
| Eastern Time | | DD | HH | MM | STS-109 Master Flight Plan: Updated 03/11/02 | | | |
| E | S | 03/01/02 | 06:22 | AM | 00 | 00 | 00 | STS-109 launch |
| V | L | 03/01/02 | 06:31 | AM | 00 | 00 | 09 | Main engine cutoff |
| A | E | 03/01/02 | 07:07 | AM | 00 | 00 | 45 | OMS-2 rocket firing (dV: 268.8 fps; 358.8 sm by 209.3 sm) |
| | E | 03/01/02 | 07:12 | AM | 00 | 00 | 50 | Begin post-insertion timeline |
| | P | 03/01/02 | 07:52 | AM | 00 | 01 | 30 | Payload bay door opening |
| | | 03/01/02 | 08:52 | AM | 00 | 02 | 30 | Local area network setup |
| | | 03/01/02 | 09:17 | AM | 00 | 02 | 55 | GIRA installation |
| | | 03/01/02 | 09:22 | AM | 00 | 03 | 00 | HST: Gyro #6 powerup |
| | | 03/01/02 | 09:52 | AM | 00 | 03 | 30 | Ergometer setup |
| | | 03/01/02 | 09:57 | AM | 00 | 03 | 35 | OCA setup |
| | | 03/01/02 | 10:27 | AM | 00 | 04 | 05 | Elevon park |
| | | 03/01/02 | 11:01 | AM | 00 | 04 | 39 | NC1A rendezvous rocket firing |
| | | 03/01/02 | 11:48 | AM | 00 | 05 | 26 | NC1 B rendezvous rocket firing |
| | | 03/01/02 | 12:02 | PM | 00 | 05 | 40 | Group B computer powerdown |
| | | 03/01/02 | 01:22 | PM | 00 | 07 | 00 | Crew sleep begins |
| | | 03/01/02 | 05:22 | PM | 00 | 11 | 00 | HST: STIS/NCS noise test |
| MET 0/15:00 through 1/14:30 updated 03/01/02 | | | | | | | | |
| | | 03/01/02 | 09:22 | PM | 00 | 15 | 00 | Crew wakeup |
| | | 03/01/02 | 11:52 | PM | 00 | 17 | 30 | Currie exercises |
| | | 03/02/02 | 12:13 | AM | 00 | 17 | 51 | NC2 rendezvous rocket firing |
| | | 03/02/02 | 12:22 | AM | 00 | 18 | 00 | MAGR setup |
| | | 03/02/02 | 12:22 | AM | 00 | 18 | 00 | HHL checkout |
| | | 03/02/02 | 12:22 | AM | 00 | 18 | 00 | Grunsfeld exercises |
| | | 03/02/02 | 12:52 | AM | 00 | 18 | 30 | Linnehan exercises |
| | | 03/02/02 | 12:52 | AM | 00 | 18 | 30 | Robot arm (RMS) powerup |

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| 03/02/02 | 01:07 AM | 00 | 18 | 45 | RMS checkout |
| 03/02/02 | 01:22 AM | 00 | 19 | 00 | HST PGSC configuration |
| 03/02/02 | 01:37 AM | 00 | 19 | 15 | 10.2 cabin depress |
| 03/02/02 | 01:52 AM | 00 | 19 | 30 | RMS HST support hardware inspection |
| 03/02/02 | 02:22 AM | 00 | 20 | 00 | Altman exercises |
| 03/02/02 | 02:52 AM | 00 | 20 | 30 | RMS payload bay survey |
| 03/02/02 | 02:52 AM | 00 | 20 | 30 | Flight support structure prepped for HST berthing |
| 03/02/02 | 03:37 AM | 00 | 21 | 15 | Massimino exercises |
| 03/02/02 | 04:17 AM | 00 | 21 | 55 | Crew meals begin |
| 03/02/02 | 05:32 AM | 00 | 23 | 10 | Airlock preparations |
| 03/02/02 | 05:32 AM | 00 | 23 | 10 | Robot arm powerdown |
| 03/02/02 | 05:47 AM | 00 | 23 | 25 | Rendezvous tools checkout |
| 03/02/02 | 06:02 AM | 00 | 23 | 40 | EVA tools checkout |
| 03/02/02 | 06:02 AM | 00 | 23 | 40 | Spacesuit checkout (3,4) |
| 03/02/02 | 06:52 AM | 01 | 00 | 30 | HST: Solid state recorder playback |
| 03/02/02 | 07:17 AM | 01 | 00 | 55 | PGT checkout |
| 03/02/02 | 08:17 AM | 01 | 01 | 55 | PAO event |
| 03/02/02 | 08:17 AM | 01 | 01 | 55 | Spacesuit checkout (1,2) |
| 03/02/02 | 09:18 AM | 01 | 02 | 56 | NC3 rendezvous rocket firing |
| 03/02/02 | 09:37 AM | 01 | 03 | 15 | REBA hardware checkout |
| 03/02/02 | 10:42 AM | 01 | 04 | 20 | HST: Solar arrays latched |
| 03/02/02 | 12:52 PM | 01 | 06 | 30 | Crew sleep begins |
| 03/02/02 | 03:02 PM | 01 | 08 | 40 | HST: Solar array brakes on |
| 03/02/02 | 04:02 PM | 01 | 09 | 40 | HST: Retract high gain antennas |
| 03/02/02 | 08:52 PM | 01 | 14 | 30 | Crew wakeup |
| MET 1/16:00 through 2/06:40 updated 03/03/02 | | | | | |
| 03/02/02 | 10:22 PM | 01 | 16 | 00 | Group B computer powerup |
| 03/02/02 | 11:12 PM | 01 | 16 | 50 | NH rendezvous rocket firing |
| 03/02/02 | 11:17 PM | 01 | 16 | 55 | Begin rendezvous timeline |
| 03/02/02 | 11:22 PM | 01 | 17 | 00 | HST: Solar array slew |
| 03/02/02 | 11:47 PM | 01 | 17 | 25 | EVA-1 tools configured |

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| 03/03/02 | 12:02 AM | 01 | 17 | 40 | Currie exercises |
| 03/03/02 | 12:27 AM | 01 | 18 | 05 | NC4 rendezvous rocket firing |
| 03/03/02 | 12:47 AM | 01 | 18 | 25 | Payload interrogater config |
| 03/03/02 | 12:47 AM | 01 | 18 | 25 | Newman exercises |
| 03/03/02 | 01:17 AM | 01 | 18 | 55 | Linnehan exercises |
| 03/03/02 | 01:47 AM | 01 | 19 | 25 | Grunsfeld exercises |
| 03/03/02 | 02:01 AM | 01 | 19 | 39 | TI rendezvous rocket firing |
| 03/03/02 | 02:17 AM | 01 | 19 | 55 | Massimino exercises |
| 03/03/02 | 02:47 AM | 01 | 20 | 25 | HST: Maneuver to capture attitude |
| 03/03/02 | 03:12 AM | 01 | 20 | 50 | RMS poised for capture |
| 03/03/02 | 03:17 AM | 01 | 20 | 55 | HST in capture attitude |
| 03/03/02 | 03:21 AM | 01 | 20 | 59 | R-bar arrival |
| 03/03/02 | 04:13 AM | 01 | 21 | 51 | HST grapple and berthing (364 sm by 348.5 sm) |
| 03/03/02 | 04:37 AM | 01 | 22 | 15 | HST latched to FSS |
| 03/03/02 | 05:12 AM | 01 | 22 | 50 | RMS survey of HST/FSS |
| 03/03/02 | 05:27 AM | 01 | 23 | 05 | HST: Switch to external power |
| 03/03/02 | 06:07 AM | 01 | 23 | 45 | Altman exercises |
| 03/03/02 | 06:22 AM | 02 | 00 | 00 | Middeck prepped for spacewalk |
| 03/03/02 | 06:37 AM | 02 | 00 | 15 | Group B computer powerdown |
| 03/03/02 | 07:02 AM | 02 | 00 | 40 | Carey exercises |
| 03/03/02 | 07:07 AM | 02 | 00 | 45 | STS crew: Solar array retraction survey |
| 03/03/02 | 07:27 AM | 02 | 01 | 05 | HST: Solar arrays slewed to 0 degrees |
| 03/03/02 | 08:27 AM | 02 | 02 | 05 | HST: Solar array retraction |
| 03/03/02 | 09:37 AM | 02 | 03 | 15 | HST: Solar array retraction |
| 03/03/02 | 10:07 AM | 02 | 03 | 45 | RMS parked |
| 03/03/02 | 10:22 AM | 02 | 04 | 00 | EVA review |
| 03/03/02 | 12:22 PM | 02 | 06 | 00 | HST: KU-band checkout |
| 03/03/02 | 12:52 PM | 02 | 06 | 30 | Crew sleep begins |
| 03/03/02 | 01:02 PM | 02 | 06 | 40 | HST: Battery discharge begins |

MET 2/14:30 through 3/13:30 updated 03/03/02

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| 03/03/02 | 08:52 PM | 02 | 14 | 30 | Crew wakeup |
| 03/03/02 | 09:02 PM | 02 | 14 | 40 | HST: PGSC checkout |
| 03/03/02 | 10:37 PM | 02 | 16 | 15 | Private medical conference with Grunsfeld and Linnehan |
| 03/03/02 | 10:52 PM | 02 | 16 | 30 | EVA-1: Preparations begin |
| 03/04/02 | 12:22 AM | 02 | 18 | 00 | Spacesuit purge and pre-breathe |
| 03/04/02 | 12:37 AM | 02 | 18 | 15 | Robot arm (RMS) moves to airlock |
| 03/04/02 | 12:37 AM | 02 | 18 | 15 | Carey exercises |
| 03/04/02 | 12:52 AM | 02 | 18 | 30 | RMS ready for EVA support |
| 03/04/02 | 01:02 AM | 02 | 18 | 40 | Altman exercises |
| 03/04/02 | 01:12 AM | 02 | 18 | 50 | EVA-1: Airlock depressurization |
| 03/04/02 | 01:27 AM | 02 | 19 | 05 | EVA-1: Airlock egress |
| 03/04/02 | 01:37 AM | 02 | 19 | 15 | EVA-1: Initial EVA setup |
| 03/04/02 | 02:32 AM | 02 | 20 | 10 | EVA-1: -V2 solar array and diode box installation |
| 03/04/02 | 06:42 AM | 03 | 00 | 20 | Grunsfeld and Linnehan trade places on the robot arm |
| 03/04/02 | 07:07 AM | 03 | 00 | 45 | EVA-1: Daily closeout work |
| 03/04/02 | 07:37 AM | 03 | 01 | 15 | EVA-1: Airlock ingress |
| 03/04/02 | 07:47 AM | 03 | 01 | 25 | HST: Solar array slew |
| 03/04/02 | 07:52 AM | 03 | 01 | 30 | EVA-1: Airlock repressurization |
| 03/04/02 | 07:52 AM | 03 | 01 | 30 | RMS park |
| 03/04/02 | 08:07 AM | 03 | 01 | 45 | HST: Solar array functional test |
| 03/04/02 | 09:22 AM | 03 | 03 | 00 | EVA-2 tools configured |
| 03/04/02 | 10:02 AM | 03 | 03 | 40 | HST: Solar arrays slewed to 0 degrees |
| 03/04/02 | 10:37 AM | 03 | 04 | 15 | EVA review |
| 03/04/02 | 12:52 PM | 03 | 06 | 30 | Crew sleep begins |
| 03/04/02 | 07:52 PM | 03 | 13 | 30 | HST: Battery discharging |
| MET 3/14:30 through 4/14:30 updated 03/04/02 | | | | | |
| 03/04/02 | 08:52 PM | 03 | 14 | 30 | Crew wakeup |
| 03/04/02 | 10:52 PM | 03 | 16 | 30 | EVA-2: Preparations begin |
| 03/04/02 | 11:37 PM | 03 | 17 | 15 | RMS moves MFR to airlock |
| 03/04/02 | 11:52 PM | 03 | 17 | 30 | Carey exercises |
| 03/05/02 | 12:22 AM | 03 | 18 | 00 | EVA-2: Spacesuit purge and pre-breathe |

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|---|----------|----|----|----|--|
| 03/05/02 | 01:07 AM | 03 | 18 | 45 | Altman exercises |
| 03/05/02 | 01:12 AM | 03 | 18 | 50 | EVA-2: Airlock depressurization |
| 03/05/02 | 01:27 AM | 03 | 19 | 05 | EVA-2: Airlock egress |
| 03/05/02 | 01:37 AM | 03 | 19 | 15 | EVA-2: Daily setup |
| 03/05/02 | 02:07 AM | 03 | 19 | 45 | EVA-2: +V2 solar array and diode box installation |
| 03/05/02 | 04:17 AM | 03 | 21 | 55 | HST: RWA preparation |
| 03/05/02 | 05:42 AM | 03 | 23 | 20 | HST: Solar array aliveness test |
| 03/05/02 | 06:07 AM | 03 | 23 | 45 | EVA-2: Reaction wheel assembly R&R |
| 03/05/02 | 06:57 AM | 04 | 00 | 35 | HST: Reaction wheel assembly functional test |
| 03/05/02 | 07:12 AM | 04 | 00 | 50 | EVA-2: Daily closeout |
| 03/05/02 | 07:42 AM | 04 | 01 | 20 | EVA-2: Airlock ingress |
| 03/05/02 | 07:52 AM | 04 | 01 | 30 | HST: Solar array slew |
| 03/05/02 | 07:57 AM | 04 | 01 | 35 | RMS park |
| 03/05/02 | 07:57 AM | 04 | 01 | 35 | EVA-2: Airlock repressurization |
| 03/05/02 | 07:57 AM | 04 | 01 | 35 | HST: Solar arrays slewed to 0 degrees |
| 03/05/02 | 08:17 AM | 04 | 01 | 55 | HST: Solar array functional test |
| 03/05/02 | 09:27 AM | 04 | 03 | 05 | EVA-3 tools configured |
| 03/05/02 | 10:47 AM | 04 | 04 | 25 | EVA review |
| 03/05/02 | 12:52 PM | 04 | 06 | 30 | Crew sleep begins |
| 03/05/02 | 02:22 PM | 04 | 08 | 00 | HST: Battery discharging |
| MET 4/14:30 through 5/06:30 updated 03/05/02 | | | | | |
| 03/05/02 | 08:52 PM | 04 | 14 | 30 | Crew wakeup |
| 03/05/02 | 10:37 PM | 04 | 16 | 15 | Private medical conference with Grunsfeld and Linnehan |
| 03/05/02 | 11:47 PM | 04 | 17 | 25 | HST: Solar array slew |
| 03/05/02 | 10:52 PM | 04 | 16 | 30 | EVA-3: EVA preparations begin |
| 03/06/02 | 12:17 AM | 04 | 17 | 55 | Carey exercises |
| 03/06/02 | 12:22 AM | 04 | 18 | 00 | RMS setup |
| 03/06/02 | 12:22 AM | 04 | 18 | 00 | EVA-3: Spacesuit purge and pre-breathe |
| 03/06/02 | 12:22 AM | 04 | 18 | 00 | HST: PCU powerdown |
| 03/06/02 | 01:12 AM | 04 | 18 | 50 | EVA-3: Airlock depressurization |

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| 03/06/02 | 01:27 AM | 04 | 19 | 05 | EVA-3: Airlock egress |
| 03/06/02 | 01:37 AM | 04 | 19 | 15 | HST: Hardware powerdown |
| 03/06/02 | 01:37 AM | 04 | 19 | 15 | EVA-3: Daily setup |
| 03/06/02 | 01:52 AM | 04 | 19 | 30 | EVA-3: PCU battery demate |
| 03/06/02 | 02:37 AM | 04 | 20 | 15 | EVA-3: Power control unit installation begins |
| 03/06/02 | 04:22 AM | 04 | 22 | 00 | EVA-3: Grunsfeld gets on RMS; Linnehan becomes free floater |
| 03/06/02 | 06:37 AM | 05 | 00 | 15 | HST: PCU aliveness test |
| 03/06/02 | 06:57 AM | 05 | 00 | 35 | EVA-3: PCU battery mate |
| 03/06/02 | 07:37 AM | 05 | 01 | 15 | EVA-3: Daily closeout |
| 03/06/02 | 07:37 AM | 05 | 01 | 15 | HST: Powerdown WFPC-2 |
| 03/06/02 | 07:52 AM | 05 | 01 | 30 | HST: Reconfigure HST SM |
| 03/06/02 | 08:07 AM | 05 | 01 | 45 | EVA-3: Airlock ingress |
| 03/06/02 | 08:22 AM | 05 | 02 | 00 | EVA-3: Airlock repressurization |
| 03/06/02 | 08:22 AM | 05 | 02 | 00 | RMS powerdown |
| 03/06/02 | 08:47 AM | 05 | 02 | 25 | HST: PCU functional test |
| 03/06/02 | 09:17 AM | 05 | 02 | 55 | HST: Solar array slew |
| 03/06/02 | 09:42 AM | 05 | 03 | 20 | HST: PCU functional test (part 2) |
| 03/06/02 | 09:52 AM | 05 | 03 | 30 | EVA-4 tools configured |
| 03/06/02 | 10:52 AM | 05 | 04 | 30 | HST: Enable OTA heaters |
| 03/06/02 | 11:07 AM | 05 | 04 | 45 | HST: Hardware power restored |
| 03/06/02 | 11:12 AM | 05 | 04 | 50 | EVA review |
| 03/06/02 | 12:52 PM | 05 | 06 | 30 | Crew sleep begins |
| 03/06/02 | 01:22 PM | 05 | 07 | 00 | HST: Reaction wheel assembly functional test |
| 03/06/02 | 03:07 PM | 05 | 08 | 45 | HST: Rate gyro functional test |
| MET 5/16:30 through 6/16:00 updated 03/06/02 | | | | | |
| 03/06/02 | 10:52 PM | 05 | 16 | 30 | Crew wakeup |
| 03/07/02 | 12:37 AM | 05 | 18 | 15 | Newman, Massimino private medical conference |
| 03/07/02 | 12:52 AM | 05 | 18 | 30 | EVA-4: Preparations begin |
| 03/07/02 | 01:52 AM | 05 | 19 | 30 | HST: Solar arrays slewed to 0 degrees |
| 03/07/02 | 02:12 AM | 05 | 19 | 50 | RMS moves MFR to airlock |

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| 03/07/02 | 02:22 AM | 05 | 20 | 00 | EVA-4: Spacesuit purge and pre-breathe |
| 03/07/02 | 02:37 AM | 05 | 20 | 15 | Carey exercises |
| 03/07/02 | 03:12 AM | 05 | 20 | 50 | EVA-4: Airlock depressurization |
| 03/07/02 | 03:27 AM | 05 | 21 | 05 | EVA-4: Airlock egress |
| 03/07/02 | 03:37 AM | 05 | 21 | 15 | EVA-4: Daily setup |
| 03/07/02 | 03:52 AM | 05 | 21 | 30 | EVA-4: Advanced Camera for Surveys installation |
| 03/07/02 | 06:07 AM | 05 | 23 | 45 | HST: ACS aliveness test |
| 03/07/02 | 06:42 AM | 06 | 00 | 20 | EVA-4: MFR ops |
| 03/07/02 | 06:57 AM | 06 | 00 | 35 | EVA-4: ESM ops |
| 03/07/02 | 08:17 AM | 06 | 01 | 55 | HST: ESM functional test |
| 03/07/02 | 08:27 AM | 06 | 02 | 05 | EVA-4: PCU cleanup |
| 03/07/02 | 09:07 AM | 06 | 02 | 45 | EVA-4: Daily closeout |
| 03/07/02 | 09:07 AM | 06 | 02 | 45 | HST: ACS functional test |
| 03/07/02 | 09:37 AM | 06 | 03 | 15 | EVA-4: Airlock ingress |
| 03/07/02 | 09:52 AM | 06 | 03 | 30 | EVA-4: Airlock repressurization |
| 03/07/02 | 10:42 AM | 06 | 04 | 20 | Altman exercises |
| 03/07/02 | 10:57 AM | 06 | 04 | 35 | HST: ACS computer dump |
| 03/07/02 | 11:22 AM | 06 | 05 | 00 | EVA-5 tools configured |
| 03/07/02 | 11:47 AM | 06 | 05 | 25 | HST: 486 memory dump |
| 03/07/02 | 12:42 PM | 06 | 06 | 20 | EVA review |
| 03/07/02 | 02:52 PM | 06 | 08 | 30 | Crew sleep begins |
| 03/07/02 | 10:52 PM | 06 | 16 | 30 | Crew wakeup |
| MET 6/17:45 through 7/16:30 updated 03/07/02 | | | | | |
| 03/08/02 | 12:07 AM | 06 | 17 | 45 | Grunsfeld, Linnehan private medical conference |
| 03/08/02 | 12:52 AM | 06 | 18 | 30 | EVA-5: Preparations begin |
| 03/08/02 | 01:02 AM | 06 | 18 | 40 | Carey exercises |
| 03/08/02 | 02:22 AM | 06 | 20 | 00 | RMS moves MFR to airlock |
| 03/08/02 | 02:22 AM | 06 | 20 | 00 | EVA-5: Spacesuit purge and pre-breathe |
| 03/08/02 | 03:12 AM | 06 | 20 | 50 | EVA-5: Airlock depressurization |
| 03/08/02 | 03:27 AM | 06 | 21 | 05 | EVA-5: Airlock egress |
| 03/08/02 | 03:37 AM | 06 | 21 | 15 | EVA-5: Daily setup |

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| 03/08/02 | 03:52 AM | 06 | 21 | 30 | HST: ESM prep |
| 03/08/02 | 03:52 AM | 06 | 21 | 30 | EVA-5: NICMOS cryo cooler system |
| 03/08/02 | 05:47 AM | 06 | 23 | 25 | EVA-5: MFR ops |
| 03/08/02 | 06:02 AM | 06 | 23 | 40 | EVA-5: NCS radiator installation |
| 03/08/02 | 08:17 AM | 07 | 01 | 55 | HST: NICMOS functional test part 1 |
| 03/08/02 | 08:37 AM | 07 | 02 | 15 | EVA-5: Final closeout |
| 03/08/02 | 09:12 AM | 07 | 02 | 50 | HST: High gain antenna deploy |
| 03/08/02 | 09:37 AM | 07 | 03 | 15 | EVA-5: Airlock ingress |
| 03/08/02 | 09:47 AM | 07 | 03 | 25 | RMS park |
| 03/08/02 | 09:52 AM | 07 | 03 | 30 | EVA-5: Airlock repressurization |
| 03/08/02 | 09:57 AM | 07 | 03 | 35 | HST: Solar array slew |
| 03/08/02 | 10:22 AM | 07 | 04 | 00 | HST: NICMOS functional test part 2 |
| 03/08/02 | 10:27 AM | 07 | 04 | 05 | Altman exercises |
| 03/08/02 | 11:22 AM | 07 | 05 | 00 | HST: Relax solar array latches |
| 03/08/02 | 12:17 PM | 07 | 05 | 55 | Shuttle reboost maneuver (364.55 sm by 353.05 sm; assumes 30 minute boost) |
| 03/08/02 | 02:52 PM | 07 | 08 | 30 | Crew sleep begins |
| 03/08/02 | 10:52 PM | 07 | 16 | 30 | Crew wakeup |
| MET 7/17:50 through 8/15:00 updated 03/08/02 | | | | | |
| 03/09/02 | 01:02 AM | 07 | 18 | 40 | HST: Prepare for battery charging |
| 03/09/02 | 01:02 AM | 07 | 18 | 40 | Group B computer powerup |
| 03/09/02 | 01:12 AM | 07 | 18 | 50 | Newman exercises |
| 03/09/02 | 01:42 AM | 07 | 19 | 20 | Altman exercises |
| 03/09/02 | 01:52 AM | 07 | 19 | 30 | PGSC test mode |
| 03/09/02 | 01:52 AM | 07 | 19 | 30 | RMS grapples HST |
| 03/09/02 | 02:07 AM | 07 | 19 | 45 | Massimino exercises |
| 03/09/02 | 02:52 AM | 07 | 20 | 30 | HST umbilical retracted |
| 03/09/02 | 03:02 AM | 07 | 20 | 40 | Maneuver to HST unberthing attitude |
| 03/09/02 | 03:32 AM | 07 | 21 | 10 | Shuttle in unberthing attitude |
| 03/09/02 | 03:52 AM | 07 | 21 | 30 | HST: Open telescope door |
| 03/09/02 | 04:07 AM | 07 | 21 | 45 | Unberthing preparations begin |
| 03/09/02 | 05:04 AM | 07 | 22 | 42 | HST is released from the shuttle |

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| 03/09/02 | 05:05 AM | 07 | 22 | 43 | Separation burn No. 1 |
| 03/09/02 | 05:32 AM | 07 | 23 | 10 | RMS powerdown |
| 03/09/02 | 05:37 AM | 07 | 23 | 15 | Separation burn No. 2 |
| 03/09/02 | 05:47 AM | 07 | 23 | 25 | Crew meals begin |
| 03/09/02 | 06:47 AM | 08 | 00 | 25 | Flight support structure stowed |
| 03/09/02 | 06:47 AM | 08 | 00 | 25 | FRED stow |
| 03/09/02 | 07:02 AM | 08 | 00 | 40 | OMS adjust rocket firing |
| 03/09/02 | 07:32 AM | 08 | 01 | 10 | PGSC stow |
| 03/09/02 | 07:42 AM | 08 | 01 | 20 | Group B computer powerdown |
| 03/09/02 | 08:02 AM | 08 | 01 | 40 | PAO event with entire crew |
| 03/09/02 | 08:22 AM | 08 | 02 | 00 | Linnehan exercises |
| 03/09/02 | 08:47 AM | 08 | 02 | 25 | 14.7 cabin repress |
| 03/09/02 | 08:52 AM | 08 | 02 | 30 | Grunsfeld exercises |
| 03/09/02 | 09:22 AM | 08 | 03 | 00 | Carey exercises |
| 03/09/02 | 12:52 PM | 08 | 06 | 30 | Crew sleep begins |
| 03/09/02 | 09:52 PM | 08 | 15 | 30 | Crew wakeup |
| MET 8/16:25 through 9/14:00 updated 03/09/02 | | | | | |
| 03/09/02 | 10:47 PM | 08 | 16 | 25 | Altman private family conference |
| 03/09/02 | 11:27 PM | 08 | 17 | 05 | Currie private family conference |
| 03/09/02 | 11:42 PM | 08 | 17 | 20 | Carey private family conference |
| 03/10/02 | 12:22 AM | 08 | 18 | 00 | Begin crew off-duty time |
| 03/10/02 | 12:42 AM | 08 | 18 | 20 | Linnehan exercises |
| 03/10/02 | 01:12 AM | 08 | 18 | 50 | Grunsfeld exercises |
| 03/10/02 | 01:42 AM | 08 | 19 | 20 | Currie exercises |
| 03/10/02 | 02:12 AM | 08 | 19 | 50 | Altman exercises |
| 03/10/02 | 03:12 AM | 08 | 20 | 50 | STS-to-ISS radio call |
| 03/10/02 | 04:17 AM | 08 | 21 | 55 | Crew meal |
| 03/10/02 | 05:17 AM | 08 | 22 | 55 | Resume crew off-duty time |
| 03/10/02 | 05:52 AM | 08 | 23 | 30 | HUD calibration |
| 03/10/02 | 06:12 AM | 08 | 23 | 50 | Massimino exercises |
| 03/10/02 | 06:37 AM | 09 | 00 | 15 | Newman exercises |

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|---|----------|----|----|----|---|
| 03/10/02 | 07:47 AM | 09 | 01 | 25 | PAO event with entire crew |
| 03/10/02 | 08:07 AM | 09 | 01 | 45 | Carey exercises |
| 03/10/02 | 09:42 AM | 09 | 03 | 20 | Newman private family conference |
| 03/10/02 | 10:22 AM | 09 | 04 | 00 | Linnehan private family conference |
| 03/10/02 | 11:12 AM | 09 | 04 | 50 | Massimino private family conference |
| 03/10/02 | 11:27 AM | 09 | 05 | 05 | Grunsfeld private family conference |
| 03/10/02 | 12:22 PM | 09 | 06 | 00 | Crew sleep begins |
| 03/10/02 | 08:22 PM | 09 | 14 | 00 | Crew wakeup |
| MET 9/17:45 through end of mission updated 3/11/02 | | | | | |
| 03/10/02 | 09:52 PM | 09 | 15 | 30 | Altman exercises |
| 03/11/02 | 12:07 AM | 09 | 17 | 45 | Crew photo |
| 03/11/02 | 12:57 AM | 09 | 18 | 35 | PAO event: Crew news conference |
| 03/11/02 | 01:47 AM | 09 | 19 | 25 | Flight control system checkout |
| 03/11/02 | 02:47 AM | 09 | 20 | 25 | RCS hotfire test |
| 03/11/02 | 03:07 AM | 09 | 20 | 45 | Crew deorbit review |
| 03/11/02 | 03:37 AM | 09 | 21 | 15 | Crew meal |
| 03/11/02 | 04:37 AM | 09 | 22 | 15 | Cabin stow begins |
| 03/11/02 | 04:52 AM | 09 | 22 | 30 | Grunsfeld exercises |
| 03/11/02 | 05:02 AM | 09 | 22 | 40 | FRCS adjust rocket firing (358.8 sm by 335.8) |
| 03/11/02 | 05:22 AM | 09 | 23 | 00 | Carey exercises |
| 03/11/02 | 05:52 AM | 09 | 23 | 30 | Linnehan exercises |
| 03/11/02 | 06:22 AM | 10 | 00 | 00 | Newman exercises |
| 03/11/02 | 06:52 AM | 10 | 00 | 30 | CDR, PLT use PILOT simulator |
| 03/11/02 | 06:52 AM | 10 | 00 | 30 | Massimino exercises |
| 03/11/02 | 07:52 AM | 10 | 01 | 30 | Ergometer stow |
| 03/11/02 | 08:52 AM | 10 | 02 | 30 | PGSC stow part 1 |
| 03/11/02 | 09:02 AM | 10 | 02 | 40 | KU-band antenna stow |
| 03/11/02 | 12:22 PM | 10 | 06 | 00 | Crew sleep begins |
| 03/11/02 | 08:22 PM | 10 | 14 | 00 | Crew wakeup |
| 03/11/02 | 10:02 PM | 10 | 15 | 40 | Group B computer powerup |
| 03/11/02 | 10:22 PM | 10 | 16 | 00 | Payload deactivation |

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|----------|----------|----|----|----|--|
| 03/11/02 | 10:37 PM | 10 | 16 | 15 | Deorbit IMU alignment |
| 03/11/02 | 10:37 PM | 10 | 16 | 15 | PGSC stow part 2 |
| 03/11/02 | 11:02 PM | 10 | 16 | 40 | GIRA stow |
| 03/11/02 | 11:12 PM | 10 | 16 | 50 | Printer stow |
| 03/11/02 | 11:27 PM | 10 | 17 | 05 | Begin deorbit prep timeline |
| 03/12/02 | 03:26 AM | 10 | 21 | 04 | Deorbit burn (rev. 165) |
| 03/12/02 | 04:32 AM | 10 | 22 | 10 | Landing (rev. 166) |
| 03/12/02 | 05:05 AM | 10 | 22 | 43 | Backup deorbit burn opportunity (rev. 166) |
| 03/12/02 | 06:14 AM | 10 | 23 | 52 | Backup landing opportunity |

Compiled by William Harwood