

| STS- 102/ISS-5A. 1 | | | SpaceCalc Shuttle Mission Planner | | | |
|--|---|-------------------|-----------------------------------|----|----|---|
| Eastern Time | | | DD | HH | MM | STS- 102 Master Flight Plan: Updated 03/19/01 |
| I | S | 03/08/01 06:42 AM | 00 | 00 | 00 | STS-102 launch from pad 39B |
| S | T | 03/08/01 06:51 AM | 00 | 00 | 09 | Main engine cutoff |
| S | S | 03/08/01 07:20 AM | 00 | 00 | 38 | OMS-2 orbit circularization burn |
| | | 03/08/01 08:07 AM | 00 | 01 | 25 | Payload bay door opening |
| | | 03/08/01 09:12 AM | 00 | 02 | 30 | PGSC laptop computer network setup |
| | | 03/08/01 09:12 AM | 00 | 02 | 30 | SEE setup |
| | | 03/08/01 09:22 AM | 00 | 02 | 40 | GIRA installation |
| | | 03/08/01 10:22 AM | 00 | 03 | 40 | Group B computer powerdown |
| | | 03/08/01 11:32 AM | 00 | 04 | 50 | APU deactivation |
| | | 03/08/01 11:42 AM | 00 | 05 | 00 | C rew sleep begins |
| MET 0/13:00 through 1/11:00 updated March 8 | | | | | | |
| | | 03/08/01 07:42 PM | 00 | 13 | 00 | Crew wakeup |
| | | 03/08/01 10:42 PM | 00 | 16 | 00 | Airlock preparation |
| | | 03/08/01 11:13 PM | 00 | 16 | 31 | NC2 rendezvous rocket firing |
| | | 03/08/01 11:17 PM | 00 | 16 | 35 | Robot arm powerup |
| | | 03/08/01 11:22 PM | 00 | 16 | 40 | Spacesuit checkout (2; Helms and Voss |
| | | 03/08/01 11:32 PM | 00 | 16 | 50 | Robot arm checkout |
| | | 03/09/01 12:07 AM | 00 | 17 | 25 | Ergometer setup |
| | | 03/09/01 12:17 AM | 00 | 17 | 35 | Robot arm payload bay survey |
| | | 03/09/01 12:52 AM | 00 | 18 | 10 | REBA checkout |
| | | 03/09/01 12:52 AM | 00 | 18 | 10 | Usachev exercises |
| | | 03/09/01 01:17 AM | 00 | 18 | 35 | HR setup |
| | | 03/09/01 01:27 AM | 00 | 18 | 45 | Helms exercises |
| | | 03/09/01 01:32 AM | 00 | 18 | 50 | Robot arm power down |

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|--|----------|----|----|----|--|
| 03/09/01 | 01:52 AM | 00 | 19 | 10 | MS5: HR subject |
| 03/09/01 | 02:07 AM | 00 | 19 | 25 | MS4: HR subject |
| 03/09/01 | 02:12 AM | 00 | 19 | 30 | Orbiter space vision system activation |
| 03/09/01 | 02:17 AM | 00 | 19 | 35 | Orbiter space vision system checkout |
| 03/09/01 | 02:32 AM | 00 | 19 | 50 | Centerline camera setup |
| 03/09/01 | 03:02 AM | 00 | 20 | 20 | Crew meal |
| 03/09/01 | 04:02 AM | 00 | 21 | 20 | MS3: HR subject |
| 03/09/01 | 04:12 AM | 00 | 21 | 30 | Elevon park |
| 03/09/01 | 04:42 AM | 00 | 22 | 00 | Rendezvous computer setup |
| 03/09/01 | 05:02 AM | 00 | 22 | 20 | Kelly exercises |
| 03/09/01 | 05:12 AM | 00 | 22 | 30 | Docking ring extension |
| 03/09/01 | 05:12 AM | 00 | 22 | 30 | Rendezvous tools checkout |
| 03/09/01 | 05:42 AM | 00 | 23 | 00 | Spacewalk tools configured |
| 03/09/01 | 06:12 AM | 00 | 23 | 30 | Thomas exercises |
| 03/09/01 | 06:22 AM | 00 | 23 | 40 | PAO event: Wetherbee, Usachev |
| 03/09/01 | 06:42 AM | 01 | 00 | 00 | Wetherbee exercises |
| 03/09/01 | 08:32 AM | 01 | 01 | 50 | Group B powerup |
| 03/09/01 | 09:13 AM | 01 | 02 | 31 | NC3 rendezvous rocket firing |
| 03/09/01 | 09:17 AM | 01 | 02 | 35 | Group B powerdown |
| 03/09/01 | 10:42 AM | 01 | 04 | 00 | Crew sleep begins |
| 03/09/01 | 05:42 PM | 01 | 11 | 00 | Crew wakeup |
| MET 1/12:10 through 2/12:00 updated March 9 | | | | | |
| 03/09/01 | 06:52 PM | 01 | 12 | 10 | Group B powerup |
| 03/09/01 | 07:02 PM | 01 | 12 | 20 | ISS: Crew wakeup |
| 03/09/01 | 07:12 PM | 01 | 12 | 30 | Begin rendezvous timeline |
| 03/09/01 | 07:57 PM | 01 | 13 | 15 | Middeck prepared for docking |
| 03/09/01 | 08:32 PM | 01 | 13 | 50 | ISS: Daily planning conference |
| 03/09/01 | 08:42 PM | 01 | 14 | 00 | Usachev exercises |
| 03/09/01 | 09:17 PM | 01 | 14 | 35 | Voss exercises |
| 03/09/01 | 09:37 PM | 01 | 14 | 55 | MCC-H: "go" for TI burn |
| 03/09/01 | 09:47 PM | 01 | 15 | 05 | ISS: PMA-2 prepared for docking |

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|----------|----------|----|----|----|--|
| 03/09/01 | 09:47 PM | 01 | 15 | 05 | ISS: Gidzenko exercises |
| 03/09/01 | 09:57 PM | 01 | 15 | 15 | ISS: VHF ship-to-ship comm check |
| 03/09/01 | 10:12 PM | 01 | 15 | 30 | TI rocket firing |
| 03/09/01 | 10:17 PM | 01 | 15 | 35 | ISS: Shepherd exercises |
| 03/09/01 | 10:47 PM | 01 | 16 | 05 | MCC-H: ISS maneuvers to docking attitude |
| 03/09/01 | 10:47 PM | 01 | 16 | 05 | ISS: Krikalev exercises |
| 03/09/01 | 11:32 PM | 01 | 16 | 50 | MCC-H: P6 solar arrays feathered for docking |
| 03/09/01 | 11:42 PM | 01 | 17 | 00 | Begin final approach |
| 03/10/01 | 12:07 AM | 01 | 17 | 25 | MCC-H: "go" for docking |
| 03/10/01 | 12:34 AM | 01 | 17 | 52 | Shuttle docks with space station |
| 03/10/01 | 12:52 AM | 01 | 18 | 10 | Hard docking complete |
| 03/10/01 | 12:52 AM | 01 | 18 | 10 | Leak checks |
| 03/10/01 | 01:12 AM | 01 | 18 | 30 | MCC-H: ISS attitude hold |
| 03/10/01 | 01:12 AM | 01 | 18 | 30 | Orbiter docking system prepared for ingress |
| 03/10/01 | 01:12 AM | 01 | 18 | 30 | Hatch opening |
| 03/10/01 | 01:22 AM | 01 | 18 | 40 | MCC-H: P6 arrays back to track |
| 03/10/01 | 01:37 AM | 01 | 18 | 55 | Group B powerdown |
| 03/10/01 | 02:42 AM | 01 | 20 | 00 | Handshake and welcoming ceremony |
| 03/10/01 | 02:57 AM | 01 | 20 | 15 | Safety briefing |
| 03/10/01 | 03:22 AM | 01 | 20 | 40 | Middeck logistics transferred to ISS |
| 03/10/01 | 03:22 AM | 01 | 20 | 40 | ISS: Gidzenko IELK installation and checkout |
| 03/10/01 | 05:12 AM | 01 | 22 | 30 | Transfer tagup |
| 03/10/01 | 05:17 AM | 01 | 22 | 35 | Video playback of docking |
| 03/10/01 | 05:22 AM | 01 | 22 | 40 | ISS: Gidzenko IELK installation complete |
| 03/10/01 | 05:42 AM | 01 | 23 | 00 | Interim egress |
| 03/10/01 | 05:42 AM | 01 | 23 | 00 | ISS: Shepherd exercises |
| 03/10/01 | 05:47 AM | 01 | 23 | 05 | SAFER checkout |
| 03/10/01 | 06:07 AM | 01 | 23 | 25 | Handover activity: Usachev and Shepherd |
| 03/10/01 | 06:17 AM | 01 | 23 | 35 | Cabin depress to 10.2 psi |
| 03/10/01 | 06:22 AM | 01 | 23 | 40 | Spacesuits installed in airlock |
| 03/10/01 | 07:07 AM | 02 | 00 | 25 | Spacewalk procedures review |
| 03/10/01 | 08:07 AM | 02 | 01 | 25 | Robot arm powerup |

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|---|----------|----|----|----|---|
| 03/10/01 | 08:22 AM | 02 | 01 | 40 | Robot arm seal checkout |
| 03/10/01 | 08:27 AM | 02 | 01 | 45 | ISS: Daily planning conference |
| 03/10/01 | 10:42 AM | 02 | 04 | 00 | STS/ISS crew sleep begins (Usachev on ISS; Gidzenko on STS) |
| MET 2/13:30 through 3/04:00 updated March 10 | | | | | |
| 03/10/01 | 06:42 PM | 02 | 12 | 00 | STS/ISS crew wakeup |
| 03/10/01 | 06:42 PM | 02 | 12 | 00 | MCC-H: PMA-3 nadir CBM preps |
| 03/10/01 | 08:12 PM | 02 | 13 | 30 | ISS: Daily planning conference |
| 03/10/01 | 08:42 PM | 02 | 14 | 00 | EVA-1: Spacewalk preparations begin |
| 03/10/01 | 08:52 PM | 02 | 14 | 10 | ISS: Handover activity |
| 03/10/01 | 09:27 PM | 02 | 14 | 45 | Gidzenko exercises |
| 03/10/01 | 09:42 PM | 02 | 15 | 00 | ISS: IMAX camera setup |
| 03/10/01 | 09:42 PM | 02 | 15 | 00 | ISS: Lab forward starboard NPRV/IMV |
| 03/10/01 | 09:52 PM | 02 | 15 | 10 | Kelly exercises |
| 03/10/01 | 10:12 PM | 02 | 15 | 30 | EVA-1: Oxygen pre-breathe |
| 03/10/01 | 10:27 PM | 02 | 15 | 45 | Thomas exercises |
| 03/10/01 | 10:27 PM | 02 | 15 | 45 | ISS: Krikalev exercises |
| 03/10/01 | 11:27 PM | 02 | 16 | 45 | ISS: Shepherd exercises |
| 03/10/01 | 11:37 PM | 02 | 16 | 55 | EVA-1: Airlock depressurization |
| 03/10/01 | 11:47 PM | 02 | 17 | 05 | EVA-1: Airlock egress |
| 03/11/01 | 12:07 AM | 02 | 17 | 25 | EVA-1: Sortie setup (Voss on RMS) |
| 03/11/01 | 12:27 AM | 02 | 17 | 45 | EVA-1: PMA-3 umbilicals disconnected |
| 03/11/01 | 12:52 AM | 02 | 18 | 10 | Cabin repress to 14.7 psi |
| 03/11/01 | 01:27 AM | 02 | 18 | 45 | EVA-1: Helms removes ECOMM antenna from Node port |
| 03/11/01 | 01:27 AM | 02 | 18 | 45 | EVA-1: Voss prepares to move the logistics carrier assembly |
| 03/11/01 | 01:27 AM | 02 | 18 | 45 | MCC-H: CBM communications check |
| 03/11/01 | 01:52 AM | 02 | 19 | 10 | ISS: Crew meal |
| 03/11/01 | 02:12 AM | 02 | 19 | 30 | EVA-1: LCA transfer operation |
| 03/11/01 | 03:12 AM | 02 | 20 | 30 | EVA-1: Voss gets off RMS; Helms gets on RMS |
| 03/11/01 | 03:17 AM | 02 | 20 | 35 | EVA-1: Rigid umbilical installation |
| 03/11/01 | 03:17 AM | 02 | 20 | 35 | ISS: Handover activity |

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| 03/11/01 | 04:02 AM | 02 | 21 | 20 | EVA-1: Rigid umbilical connections |
| 03/11/01 | 04:42 AM | 02 | 22 | 00 | Space vision system activation |
| 03/11/01 | 04:42 AM | 02 | 22 | 00 | ISS: Shepherd exercises |
| 03/11/01 | 04:47 AM | 02 | 22 | 05 | EVA-1: Sortie cleanup |
| 03/11/01 | 04:57 AM | 02 | 22 | 15 | Robot arm grapples PMA-3 |
| 03/11/01 | 04:57 AM | 02 | 22 | 15 | ISS: Krikalev exercises |
| 03/11/01 | 05:12 AM | 02 | 22 | 30 | Wetherbee commands Node 1 CBM demate |
| 03/11/01 | 05:42 AM | 02 | 23 | 00 | EVA-1: Airlock ingress; umbilical connection |
| 03/11/01 | 05:57 AM | 02 | 23 | 15 | PMA-3 removed from nadir port |
| 03/11/01 | 05:57 AM | 02 | 23 | 15 | MCC-H: P6 solar array to sun track |
| 03/11/01 | 06:12 AM | 02 | 23 | 30 | PMA-3 moved to pre-install position |
| 03/11/01 | 06:57 AM | 03 | 00 | 15 | PMA-3 in "ready to latch" position |
| 03/11/01 | 07:27 AM | 03 | 00 | 45 | ISS: Daily planning conference |
| 03/11/01 | 07:57 AM | 03 | 01 | 15 | Bolts drive to latch PMA-3 in place |
| 03/11/01 | 08:12 AM | 03 | 01 | 30 | Robot arm ungrapples PMA-3 |
| 03/11/01 | 08:17 AM | 03 | 01 | 35 | EVA-1: Airlock repressurization |
| 03/11/01 | 08:22 AM | 03 | 01 | 40 | RMS powerdown |
| 03/11/01 | 08:32 AM | 03 | 01 | 50 | Helms and Voss service spacesuits |
| 03/11/01 | 10:42 AM | 03 | 04 | 00 | STS/ISS crew sleep begins |
| MET 3/12:00 through 4/04:00 updated March 11 | | | | | |
| 03/11/01 | 06:42 PM | 03 | 12 | 00 | STS/ISS crew wakeup |
| 03/11/01 | 07:57 PM | 03 | 13 | 15 | ISS: Daily planning conference |
| 03/11/01 | 08:57 PM | 03 | 14 | 15 | Node nadir CBM prepped for MPLM mate |
| 03/11/01 | 08:57 PM | 03 | 14 | 15 | ISS: IMAX setup |
| 03/11/01 | 09:07 PM | 03 | 14 | 25 | RMS powerup |
| 03/11/01 | 09:17 PM | 03 | 14 | 35 | ISS: Interim ingress |
| 03/11/01 | 09:22 PM | 03 | 14 | 40 | RMS seal checkout |
| 03/11/01 | 09:27 PM | 03 | 14 | 45 | Shepherd, Usachev exercise |
| 03/11/01 | 09:32 PM | 03 | 14 | 50 | ISS: Handover activities: Helms and Gidzenko |
| 03/11/01 | 09:42 PM | 03 | 15 | 00 | RMS grapples MPLM |
| 03/11/01 | 09:47 PM | 03 | 15 | 05 | STS/ISS: IELK installation and checkout |

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|---|----------|----|----|----|--|
| 03/11/01 | 10:12 PM | 03 | 15 | 30 | MPLM unberthing |
| 03/11/01 | 10:32 PM | 03 | 15 | 50 | ISS: Handover activities: Helms and Gidzenko |
| 03/11/01 | 10:42 PM | 03 | 16 | 00 | RMS maneuvers MPLM to pre-install position |
| 03/11/01 | 11:17 PM | 03 | 16 | 35 | MPLM in "ready to latch" position |
| 03/11/01 | 11:42 PM | 03 | 17 | 00 | STS/ISS: MPLM ingress setup |
| 03/11/01 | 11:42 PM | 03 | 17 | 00 | Rack transfer preparation |
| | | | | | |
| 03/12/01 | 12:12 AM | 03 | 17 | 30 | ISS: Meals begin |
| 03/12/01 | 12:17 AM | 03 | 17 | 35 | MPLM bolt acquisition |
| 03/12/01 | 12:27 AM | 03 | 17 | 45 | MCC-H: PMA-3 bolt loading |
| 03/12/01 | 12:32 AM | 03 | 17 | 50 | RMS ungrapples MPLM |
| 03/12/01 | 12:42 AM | 03 | 18 | 00 | RMS powerdown |
| 03/12/01 | 01:22 AM | 03 | 18 | 40 | Crew meals begin |
| 03/12/01 | 01:32 AM | 03 | 18 | 50 | ISS: Vestibule pressurization |
| 03/12/01 | 02:22 AM | 03 | 19 | 40 | Spacesuit installation and resizing |
| 03/12/01 | 02:42 AM | 03 | 20 | 00 | STS: Vestibule outfitting |
| 03/12/01 | 03:22 AM | 03 | 20 | 40 | Spacesuit checkout (third suit) |
| 03/12/01 | 03:42 AM | 03 | 21 | 00 | Krikalev exercises |
| 03/12/01 | 03:57 AM | 03 | 21 | 15 | MPLM activation 1 (APCU) |
| 03/12/01 | 04:57 AM | 03 | 22 | 15 | Spacewalk tools configured |
| 03/12/01 | 05:02 AM | 03 | 22 | 20 | Interim egress |
| 03/12/01 | 05:42 AM | 03 | 23 | 00 | Cabin depress to 10.2 psi |
| 03/12/01 | 05:42 AM | 03 | 23 | 00 | MPLM activation 2 |
| 03/12/01 | 06:17 AM | 03 | 23 | 35 | SAFER checkout |
| 03/12/01 | 06:42 AM | 04 | 00 | 00 | ISS: MPLM ingress |
| 03/12/01 | 07:07 AM | 04 | 00 | 25 | ISS: MPLM transfer setup |
| 03/12/01 | 07:12 AM | 04 | 00 | 30 | Gidzenko exercises |
| 03/12/01 | 07:27 AM | 04 | 00 | 45 | EVA procedures review |
| 03/12/01 | 07:57 AM | 04 | 01 | 15 | ISS: Transfer RSP and FENCE |
| 03/12/01 | 10:42 AM | 04 | 04 | 00 | STS/ISS crew sleep begins |
| MET 4/12:00 through 5/04:00 updated March 12 | | | | | |

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| 03/12/01 | 06:42 PM | 04 | 12 | 00 | STS/ISS crew wakeup |
| 03/12/01 | 08:27 PM | 04 | 13 | 45 | ISS: Daily planning conference |
| 03/12/01 | 08:42 PM | 04 | 14 | 00 | EVA-2: Preparations begin |
| 03/12/01 | 08:42 PM | 04 | 14 | 00 | ISS: Handover activity |
| 03/12/01 | 09:37 PM | 04 | 14 | 55 | RMS powerup |
| 03/12/01 | 09:57 PM | 04 | 15 | 15 | ISS: CBCS loop back |
| 03/12/01 | 10:12 PM | 04 | 15 | 30 | EVA-2: Oxygen pre-breathe |
| 03/12/01 | 10:27 PM | 04 | 15 | 45 | Gidzenko exercises |
| 03/12/01 | 11:27 PM | 04 | 16 | 45 | Krikalev exercises |
| 03/12/01 | 11:37 PM | 04 | 16 | 55 | EVA-2: Airlock depressurization |
| 03/12/01 | 11:47 PM | 04 | 17 | 05 | EVA-2: Airlock egress |
| 03/13/01 | 12:07 AM | 04 | 17 | 25 | EVA-2: Sortie setep |
| 03/13/01 | 12:12 AM | 04 | 17 | 30 | ISS: Transfer RSP and FENCE |
| 03/13/01 | 12:47 AM | 04 | 18 | 05 | EVA-2: ESP removal and installation |
| 03/13/01 | 12:52 AM | 04 | 18 | 10 | STS/ISS: MPLM activation (DDCU) |
| 03/13/01 | 01:22 AM | 04 | 18 | 40 | LCA checkout |
| 03/13/01 | 01:47 AM | 04 | 19 | 05 | EVA-2: Thomas removes and installs FCS |
| 03/13/01 | 01:47 AM | 04 | 19 | 05 | EVA-2: Richards does preliminary cleanup |
| 03/13/01 | 02:27 AM | 04 | 19 | 45 | EVA-2: Rigid umbilical connections |
| 03/13/01 | 02:32 AM | 04 | 19 | 50 | ISS: Crew meal |
| 03/13/01 | 03:17 AM | 04 | 20 | 35 | EVA-2: P6 solar array 4-bar linkage inspection |
| 03/13/01 | 03:27 AM | 04 | 20 | 45 | Cabin repressurized to 14.7 psi |
| 03/13/01 | 03:37 AM | 04 | 20 | 55 | ISS: Avionics rack 1 transfer |
| 03/13/01 | 04:17 AM | 04 | 21 | 35 | EVA-2: Getahead tasks |
| 03/13/01 | 04:27 AM | 04 | 21 | 45 | Gidzenko exercises again |
| 03/13/01 | 04:37 AM | 04 | 21 | 55 | ISS: MSS-1 rack transfer |
| 03/13/01 | 04:57 AM | 04 | 22 | 15 | EVA-2: Sortie cleanup |
| 03/13/01 | 04:57 AM | 04 | 22 | 15 | Krikalev exercises again |
| 03/13/01 | 05:27 AM | 04 | 22 | 45 | RMS powerdown |
| 03/13/01 | 05:37 AM | 04 | 22 | 55 | ISS: MSS-2 rack transfer |
| 03/13/01 | 05:57 AM | 04 | 23 | 15 | EVA-2: Airlock ingress |
| 03/13/01 | 06:17 AM | 04 | 23 | 35 | EVA-2: Airlock repressurization |

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|---|----------|----|----|----|---|
| 03/13/01 | 06:42 AM | 05 | 00 | 00 | Wetherbee exercises |
| 03/13/01 | 06:42 AM | 05 | 00 | 00 | Spacesuit servicing |
| 03/13/01 | 06:57 AM | 05 | 00 | 15 | ISS: CHECS rack transfer |
| 03/13/01 | 06:57 AM | 05 | 00 | 15 | Kelly exercises |
| 03/13/01 | 07:52 AM | 05 | 01 | 10 | Shepherd exercises |
| 03/13/01 | 07:57 AM | 05 | 01 | 15 | ISS: Transfer tagup |
| 03/13/01 | 10:42 AM | 05 | 04 | 00 | STS/ISS crew sleep begins |
| MET 5/12:00 through 6/04:00 updated March 13 | | | | | |
| 03/13/01 | 06:42 PM | 05 | 12 | 00 | STS/ISS crew wakeup |
| 03/13/01 | 08:12 PM | 05 | 13 | 30 | ISS: Daily planning conference |
| 03/13/01 | 08:42 PM | 05 | 14 | 00 | ISS: Shepherd exercises |
| 03/13/01 | 09:42 PM | 05 | 15 | 00 | STS/ISS: Transfer MPLM soft stow |
| 03/13/01 | 09:42 PM | 05 | 15 | 00 | ISS: IMAX setup |
| 03/13/01 | 10:22 PM | 05 | 15 | 40 | Transfer LIOH and CWC |
| 03/13/01 | 10:42 PM | 05 | 16 | 00 | ISS: Helms Soyuz seat liner and suit transfer |
| 03/13/01 | 10:52 PM | 05 | 16 | 10 | Kelly exercises |
| 03/13/01 | 11:32 PM | 05 | 16 | 50 | Thomas exercises |
| 03/13/01 | 11:57 PM | 05 | 17 | 15 | Usachev HR subject |
| 03/14/01 | 12:27 AM | 05 | 17 | 45 | Richards exercises |
| 03/14/01 | 12:32 AM | 05 | 17 | 50 | ISS: Voss HR subject |
| 03/14/01 | 01:07 AM | 05 | 18 | 25 | PAO event: Wetherbee, Helms, Voss, Usachev |
| 03/14/01 | 01:27 AM | 05 | 18 | 45 | Joint crew meal (all) |
| 03/14/01 | 02:27 AM | 05 | 19 | 45 | Handover activities: All ISS crew members |
| 03/14/01 | 02:27 AM | 05 | 19 | 45 | Transfer MPLM soft stow items |
| 03/14/01 | 02:27 AM | 05 | 19 | 45 | MS3 HR subject |
| 03/14/01 | 03:42 AM | 05 | 21 | 00 | ISS: Helms exercises |
| 03/14/01 | 03:57 AM | 05 | 21 | 15 | SAFER checkout |
| 03/14/01 | 04:42 AM | 05 | 22 | 00 | ISS: Shepherd exercises |
| 03/14/01 | 05:12 AM | 05 | 22 | 30 | Wetherbee exercises |
| 03/14/01 | 05:32 AM | 05 | 22 | 50 | Spacesuit transfer to ISS |

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|---|----------|----|----|----|--|
| 03/14/01 | 05:42 AM | 05 | 23 | 00 | Krikalev exercises |
| 03/14/01 | 06:42 AM | 06 | 00 | 00 | Transfer MPLM soft stow items |
| 03/14/01 | 06:42 AM | 06 | 00 | 00 | DTO 257 |
| 03/14/01 | 07:12 AM | 06 | 00 | 30 | Transfer tagup |
| 03/14/01 | 10:42 AM | 06 | 04 | 00 | STS/ISS crew sleep begins |
| MET 6/12:00 through 7/04:00 updated March 14 | | | | | |
| 03/14/01 | 06:42 PM | 06 | 12 | 00 | STS/ISS crew wakeup |
| 03/14/01 | 08:12 PM | 06 | 13 | 30 | ISS: Daily planning conference |
| 03/14/01 | 08:42 PM | 06 | 14 | 00 | ISS: MSS-2 umbilical mate |
| 03/14/01 | 08:42 PM | 06 | 14 | 00 | ISS: Transfer MPLM soft stow items |
| 03/14/01 | 09:37 PM | 06 | 14 | 55 | ISS/STS: CBCS loop back |
| 03/14/01 | 09:42 PM | 06 | 15 | 00 | STS: Transfer MPLM soft stow items |
| 03/14/01 | 09:42 PM | 06 | 15 | 00 | Shepherd exercises on ISS |
| 03/14/01 | 10:37 PM | 06 | 15 | 55 | ISS: Robotics work station equipment setup |
| 03/14/01 | 10:42 PM | 06 | 16 | 00 | Gidzenko exercises on space shuttle |
| 03/14/01 | 11:12 PM | 06 | 16 | 30 | IMAX setup |
| 03/15/01 | 12:12 AM | 06 | 17 | 30 | Krikalev exercises on ISS |
| 03/15/01 | 12:27 AM | 06 | 17 | 45 | Kelly exercises |
| 03/15/01 | 12:32 AM | 06 | 17 | 50 | IMAX operations |
| 03/15/01 | 01:42 AM | 06 | 19 | 00 | Joint crew meal (all) |
| 03/15/01 | 02:42 AM | 06 | 20 | 00 | Equipment/trash stowage in MPLM |
| 03/15/01 | 02:42 AM | 06 | 20 | 00 | Transfer MPLM soft stow items |
| 03/15/01 | 03:17 AM | 06 | 20 | 35 | PAO event: Wetherbee and Kelly |
| 03/15/01 | 03:37 AM | 06 | 20 | 55 | STS crew off duty time begins |
| 03/15/01 | 03:37 AM | 06 | 20 | 55 | Wetherbee exercises |
| 03/15/01 | 04:07 AM | 06 | 21 | 25 | ISS/STS off-duty time |
| 03/15/01 | 04:42 AM | 06 | 22 | 00 | Thomas exercises |
| 03/15/01 | 04:42 AM | 06 | 22 | 00 | Shepherd exercises on ISS |
| 03/15/01 | 05:42 AM | 06 | 23 | 00 | Gidzenko exercises on ISS |
| 03/15/01 | 06:27 AM | 06 | 23 | 45 | Handover activities |

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|---|----------|----|----|----|---|
| 03/15/01 | 06:42 AM | 06 | 23 | 50 | PAO Event: Wetherbee, Kelly, Shepherd and Usachev |
| 03/15/01 | 07:12 AM | 07 | 00 | 30 | Krikalev exercises on ISS |
| 03/15/01 | 07:17 AM | 07 | 00 | 35 | Transfer tagup |
| 03/15/01 | 10:42 AM | 07 | 04 | 00 | STS/ISS crew sleep begins |
| MET 7/12:00 through 8/03:00 updated March 15 | | | | | |
| 03/15/01 | 06:42 PM | 07 | 12 | 00 | STS/ISS crew wakeup |
| 03/15/01 | 08:12 PM | 07 | 13 | 30 | ISS: Daily planning conference |
| 03/15/01 | 08:42 PM | 07 | 14 | 00 | ISS: Transfer MPLM soft stow items |
| 03/15/01 | 09:42 PM | 07 | 15 | 00 | STS transfer MPLM soft stow items |
| 03/15/01 | 09:42 PM | 07 | 15 | 00 | Shepherd exercises on ISS |
| 03/15/01 | 11:12 PM | 07 | 16 | 30 | Wetherbee exercises |
| 03/15/01 | 11:42 PM | 07 | 17 | 00 | Kelly exercises |
| 03/16/01 | 12:12 AM | 07 | 17 | 30 | Thomas exercises |
| 03/16/01 | 12:47 AM | 07 | 18 | 05 | Richards exercises |
| 03/16/01 | 01:47 AM | 07 | 19 | 05 | ISS-1/ISS-2 handover activity |
| 03/16/01 | 02:12 AM | 07 | 19 | 30 | Joint crew meal (all) |
| 03/16/01 | 03:12 AM | 07 | 20 | 30 | Joint crew photo |
| 03/16/01 | 03:37 AM | 07 | 20 | 55 | Joint crew news conference |
| 03/16/01 | 04:17 AM | 07 | 21 | 35 | Gidzenko exercises on ISS |
| 03/16/01 | 04:17 AM | 07 | 21 | 35 | Resume transfer of soft stow items to MPLM |
| 03/16/01 | 04:52 AM | 07 | 22 | 10 | Vestibule deoutfitting |
| 03/16/01 | 05:02 AM | 07 | 22 | 20 | Shepherd/Helms handover activity |
| 03/16/01 | 05:17 AM | 07 | 22 | 35 | Krikalev exercises on ISS |
| 03/16/01 | 06:42 AM | 08 | 00 | 00 | Reboost operations |
| 03/16/01 | 06:42 AM | 08 | 00 | 00 | Shepherd exercises on ISS |
| 03/16/01 | 06:42 AM | 08 | 00 | 00 | Gidzenko, Krikalev, Helms handover activity |
| 03/16/01 | 07:22 AM | 08 | 00 | 40 | Transfer tagup |
| 03/16/01 | 10:42 AM | 08 | 04 | 00 | STS/ISS crew sleep begins |
| 8/12:00 through 9/04:00 updated March 16 | | | | | |

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|---|----------|----|----|----|--|
| 03/16/01 | 06:42 PM | 08 | 12 | 00 | STS/ISS crew wakeup |
| 03/16/01 | 09:27 PM | 08 | 14 | 45 | Krikalev, Gidzenko train with negative pressure suit |
| 03/16/01 | 09:42 PM | 08 | 15 | 00 | MPLM stowage resumes |
| 03/16/01 | 09:42 PM | 08 | 15 | 00 | IMAX camera cleaning |
| 03/16/01 | 09:42 PM | 08 | 15 | 00 | Shepherd exercises in ISS |
| 03/16/01 | 10:12 PM | 08 | 15 | 30 | Kelly exercises |
| 03/16/01 | 10:42 PM | 08 | 16 | 00 | Wetherbee exercises |
| 03/16/01 | 10:42 PM | 08 | 16 | 00 | ISS: Handover activities |
| 03/16/01 | 11:12 PM | 08 | 16 | 30 | IMAX setup |
| 03/16/01 | 11:12 PM | 08 | 16 | 30 | Thomas exercises |
| 03/16/01 | 11:47 PM | 08 | 17 | 05 | Richards exercises |
| 03/17/01 | 12:12 AM | 08 | 17 | 30 | IMAX filming |
| 03/17/01 | 12:27 AM | 08 | 17 | 45 | Gidzenko, Krikalev handover activities |
| 03/17/01 | 01:12 AM | 08 | 18 | 30 | ISS: INCO data |
| 03/17/01 | 01:42 AM | 08 | 19 | 00 | Joint crew meal |
| 03/17/01 | 02:42 AM | 08 | 20 | 00 | STS/ISS: Transfer cleanup; handover activities |
| 03/17/01 | 03:42 AM | 08 | 21 | 00 | Transfer tagup |
| 03/17/01 | 03:57 AM | 08 | 21 | 15 | Gidzenko exercises in ISS |
| 03/17/01 | 04:17 AM | 08 | 21 | 35 | Reboost operations |
| 03/17/01 | 04:52 AM | 08 | 22 | 10 | ISS: Vestibule deoutfitting |
| 03/17/01 | 05:27 AM | 08 | 22 | 45 | Krikalev exercises |
| 03/17/01 | 06:22 AM | 08 | 23 | 40 | PAO event: Wetherbee, Kelly, Thomas, Richards |
| 03/17/01 | 06:57 AM | 09 | 00 | 15 | Shepherd exercises in ISS |
| 03/17/01 | 07:22 AM | 09 | 00 | 40 | Russian PAO event: Usachev, Krikalev, Gidzenko |
| 03/17/01 | 07:42 AM | 09 | 01 | 00 | ISS: Daily planning conference |
| 03/17/01 | 07:57 AM | 09 | 01 | 15 | ISS: Transfer handover |
| 03/17/01 | 10:12 AM | 09 | 03 | 30 | STS crew sleep begins |
| 03/17/01 | 10:42 AM | 09 | 04 | 00 | ISS crew sleep begins |
| 9/11:30 through 10/04:00 updated March 17* | | | | | |

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|--|----------|----------|----|----|----|--|
| | 03/17/01 | 06:12 PM | 09 | 11 | 30 | STS crew wakeup |
| | 03/17/01 | 06:42 PM | 09 | 12 | 00 | ISS crew wakeup |
| | 03/17/01 | 10:02 PM | 09 | 15 | 20 | MPLM deactivation |
| | 03/17/01 | 11:47 PM | 09 | 17 | 05 | Robot arm grapples MPLM |
| | 03/18/01 | 01:42 AM | 09 | 19 | 00 | MPLM detached from ISS |
| | 03/18/01 | 02:17 AM | 09 | 19 | 35 | MPLM berthed in shuttle payload bay |
| | 03/18/01 | 09:42 AM | 10 | 03 | 00 | STS crew sleep begins |
| | 03/18/01 | 10:42 AM | 10 | 04 | 00 | ISS crew sleep begins |
| | | | | | | * Computer problems, delays detaching MPLM caused extensive replanning |
| | | | | | | 10/111:00 through 11/02:30 updated March 18 |
| | 03/18/01 | 05:42 PM | 10 | 11 | 00 | STS crew wakeup |
| | 03/18/01 | 06:42 PM | 10 | 12 | 00 | ISS crew wakeup |
| | 03/18/01 | 07:31 PM | 10 | 12 | 49 | Farewell and hatch closure |
| | 03/18/01 | 08:52 PM | 10 | 14 | 10 | Hatch closure |
| | 03/18/01 | 09:22 PM | 10 | 14 | 40 | Orbiter docking system leak checks |
| | 03/18/01 | 10:17 PM | 10 | 15 | 35 | Centerline camera mounted |
| | 03/18/01 | 10:47 PM | 10 | 16 | 05 | Undocking timeline begins |
| | 03/18/01 | 11:07 PM | 10 | 16 | 25 | ISS: PMA-2 configured for undocking |
| | 03/18/01 | 11:32 PM | 10 | 16 | 50 | Discovery undocks from space station |
| | 03/18/01 | 11:47 PM | 10 | 17 | 05 | Fly around begins |
| | 03/19/01 | 12:42 AM | 10 | 18 | 00 | Final separation rocket firing |
| | 03/19/01 | 01:05 AM | 10 | 18 | 23 | Backup undocking time |
| | 03/19/01 | 01:17 AM | 10 | 18 | 35 | Crew meal |
| | 03/19/01 | 02:07 AM | 10 | 19 | 25 | Crew off-duty time |
| | 03/19/01 | 02:17 AM | 10 | 19 | 35 | Centerline camera removal' |
| | 03/19/01 | 02:22 AM | 10 | 19 | 40 | ISS: PMA-2 depressurized |
| | 03/19/01 | 02:32 AM | 10 | 19 | 50 | Thomas exercises |

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| 03/19/01 | 03:02 AM | 10 | 20 | 20 | Krikalev exercises |
| 03/19/01 | 03:32 AM | 10 | 20 | 50 | Kelly exercises |
| 03/19/01 | 04:02 AM | 10 | 21 | 20 | Shepherd exercises |
| 03/19/01 | 04:32 AM | 10 | 21 | 50 | Richards exercises |
| 03/19/01 | 05:02 AM | 10 | 22 | 20 | Gidzenko exercises |
| 03/19/01 | 05:32 AM | 10 | 22 | 50 | Wetherbee exercises |
| 03/19/01 | 09:12 AM | 11 | 02 | 30 | STS crew sleep begins |
| 11/10:30 through end-of-mission updated March 19 | | | | | |
| 03/19/01 | 05:12 PM | 11 | 10 | 30 | STS crew wakeup |
| 03/19/01 | 09:07 PM | 11 | 14 | 25 | Flight control system checkout |
| 03/19/01 | 10:17 PM | 11 | 15 | 35 | RCS hotfire test; cabin stow begins |
| 03/20/01 | 12:12 AM | 11 | 17 | 30 | PAO event |
| 03/20/01 | 04:37 AM | 11 | 21 | 55 | Ku-band antenna stow |
| 03/20/01 | 08:42 AM | 12 | 02 | 00 | STS crew sleep begins |
| 03/20/01 | 04:42 PM | 12 | 10 | 00 | Crew wakeup |
| 03/20/01 | 06:52 PM | 12 | 12 | 10 | Recumbent seats installed |
| 03/20/01 | 07:52 PM | 12 | 13 | 10 | Deorbit timeline begins |
| 03/20/01 | 09:10 PM | 12 | 14 | 28 | Payload bay doors closed for entry |
| 03/20/01 | 11:50 PM | 12 | 17 | 08 | Deorbit ignition on orbit 200 |
| 03/21/01 | 12:56 AM | 12 | 18 | 14 | Landing on orbit 201 |
| Compiled by William Harwood | | | | | |