

STS-109/HST SM-3B Quick-Look Data

SpaceCalc

| Rank/Seats | STS-109 | HST SM-3B | Family/TIS | DOB | Shuttle Hardware and Flight Data | | |
|------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|----------|-----------------------------------|----------------------|-----------------------|
| Commander | Navy Cmdr. Scott Altman Up 42; STS-90,106 | | M/3 37.3 * | 08/15/59 | STS Mission | STS-109/HST SM-3B | |
| Pilot/IV | Air Force Lt. Col. Duane Carey Up 44; Rookie | | M/2 9.64 | 04/30/57 | Orbiter | Columbia (OV-102) | |
| MS1/EV1 | John Grunsfeld, Ph.D. Up/Down 43; STS-67,81,103 | | M/2 44.44 | 10/10/58 | Payload | HST SM-3B | |
| MS2/FE/RMS | Army Lt. Col. Nancy Currie, Ph.D. Up 43; STS-57,70,88 | | M/1 40.34 | 12/29/58 | Launch | 06:22:02 AM 03.01.02 | |
| MS3/EV2 | Richard Linnehan, DVM Down/Up 44; STS-78,90 | | S/0 42.44 | 09/19/57 | Pad/MLP | 39A/MLP-2 | |
| MS4/EV3 | James Newman, Ph.D. Down 45; STS-51,69,88 | | M/3 41.64 | 10/16/56 | Prime TAL | Ben Guerir | |
| MS5/EV4 | Michael Massimino, Ph.D. Down 39; Rookie | | M/0 9.64 | 08/19/62 | Landing | 04:32:00 AM 03.12.02 | |
| Increment 4: Aboard the International Space Station | | | | | Landing Site | Kennedy Space Center | |
| Commander | CIS AF Col. Yuri Onufrienko 40; Mir-21,STS-108 | | M/3 287.39 | 02/06/61 | Duration | 10d 22h 10m | |
| Flt. Engineer | Air Force Col. Carl Walz 46; STS-51,65,79,108 | | M/2 128.89 | 09/06/55 | Columbia | 273/21:09:10 | |
| Flt. Engineer | Navy Capt. Daniel Bursch 44; STS-51,68,77,108 | | M/4 125.49 | 07/25/57 | STS Program | 955/09:02:16 | |
| ISS Increment Durations | | Launch | STS-109 Crew Patch | | | MECO Ha/Hp | 349/35 statute miles |
| ISS-1 | 136/16:10:20 | 10/31/00 |  | | | OMS Ha/Hp | 354/346 statute miles |
| ISS-2 | 148/16:43:00 | 03/08/01 | | | | HST Ha/Hp | 354 sm (approximate) |
| ISS-3 | 117/02:56:00 | 08/10/01 | | | | Period | 96.0 minutes |
| ISS-4 | 95 days* | 12/05/01 | | | | Inclination | 28.5 degrees |
| ISS Manned | 495.0 days* | | | | | Velocity | 16,948 mph |
| Flight Plan (MET and ET) | | STS-109 Flight Control Personnel | | | STS-109 will be the... | | |
| Launch: | 03/01/02 06:22 AM | John Shannon | Ascent flight director | | 108th Shuttle mission since STS-1 | | |
| EVA-1 | 03/04/02 01:27 AM | Bryan Austin | Orbit 1 FD | | 1st Of 6 flights in 2002 | | |
| EVA-2 | 03/05/02 01:37 AM | Tony Ceccaci | Orbit 2 FD | | 83rd Post-Challenger mission | | |
| EVA-3 | 03/06/02 01:27 AM | Jeff Hanley | Planning FD | | 4th Of 5 HST missions | | |
| EVA-4 | 03/07/02 03:27 AM | N/A | Moscow FD | | 27th Flight of Columbia | | |
| EVA-5 | 03/08/02 03:27 AM | John Shannon | Entry FD | | 61st Launch off pad 39A | | |
| Landing: | 03/12/02 04:32 AM | George Diller | Launch PAO (KSC) | | 27th Night launch | | |
| | | Rob Navias | Ascent PAO (JSC) | | 15th Night launch off pad 39A | | |
| | | Mark Polansky | Ascent CAPCOM | | 54th 28.5-degree inclination | | |
| | | Mike Leinbach | Launch director | | 58th Planned KSC landing | | |
| | | Steve Altemus | NASA test director | | 19th Night landing | | |
| | | Charles Precourt | KSC weather pilot | | 14th Night landing at KSC | | |
| Rev. G | | *Days in space as of: 03/11/02 | | | 16.10 Years since 51L (at launch) | | |
| | | | | | 5,875.78 Days since 51L | | |
| | | | | | Compiled by William Harwood | | |