
 NASA TELEVISION SCHEDULE
 STS-125
 Hubble Space Telescope Servicing Mission 4
 REV H
 05/19/09

Standard-Definition NASA TV satellite coordinates are available at: <http://www1.nasa.gov/multimedia/nasatv/digital.html>. **High -Definition NASA TV Channel #105** is broadcast at 720p @ 59.94 fps, carried on an MPEG-2 digital signal on satellite AMC-6, Transponder 17C, at 72 degrees west longitude, 4040 MHz, vertical polarization. A Digital Video Broadcast (DVB) - compliant Integrated Receiver Decoder (IRD) with modulation of QPSK/DBV, data rate of 36.86, symbol 26.665 and FEC 3/4 will be needed for reception. Mission Audio can be accessed at: <http://www.nasa.gov/ntv>. **Clients actively participating in Standard-Definition on-orbit interviews, interactive press briefings and satellite interviews must use the LIMO Channel, accessed via satellite AMC-6, 72 degrees west longitude, transponder 5C, 3785.5 MHz, vertical polarization. A Digital Video Broadcast (DVB) - compliant Integrated Receiver Decoder (IRD) with modulation of QPSK/DBV, data rate of 6.00 and FEC 3/4 will be needed for reception.**

ALL TIMES SUBJECT TO CHANGE

This TV schedule is available via the Internet. The address is <http://www.nasa.gov/shuttle/tv>
 Launch occurred at 1:01pm CT (2:01pm ET) on Monday, May 11th, 2009.
 An asterisk (*) denotes changes made to the previous revision to the television schedule.

ORBIT	SUBJECT	SITE	MET	CDT	EDT	GMT
TUESDAY, MAY 19						
FD 9						
116	ATLANTIS CREW WAKE UP (begins FD 9)		07/ 14:30	03:31 AM	04:31 AM	08:31
117	RMS GRAPPLE OF HST		07/ 16:15	05:16 AM	06:16 AM	10:16
118	HST UNBERTH MANEUVER		07/ 17:10	06:11 AM	07:11 AM	11:11
118	HST APERTURE DOOR OPENS		07/ 18:15	07:16 AM	08:16 AM	12:16
119	HST RELEASE		07/ 18:52	07:53 AM	08:53 AM	12:53
119	* ATLANTIS FINAL SEPARATION FROM HST		07/ 19:28	08:29 AM	09:29 AM	13:29
119	* FSS STOWAGE		07/ 19:45	08:46 AM	09:46 AM	13:46
120	RMS UNBERTHS OBSS		07/ 21:10	10:11 AM	11:11 AM	15:11
121	RMS/OBSS SURVEY OF ATLANTIS TPS BEGINS		07/ 22:50	11:51 AM	12:51 PM	16:51
122	MISSION STATUS BRIEFING	JSC	08/ 00:29	01:30 PM	02:30 PM	18:30

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123	REPLAY OF THE NEWSEUM CELEBRATION OF 40th ANNIVERSARY OF APOLLO 10	HQ	08/ 03:59	05:00 PM	06:00 PM	22:00
126	ATLANTIS CREW SLEEP BEGINS		08/ 06:30	07:31 PM	08:31 PM	00:31
126	FLIGHT DAY 9 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	08/ 06:59	08:00 PM	09:00 PM	01:00
127	VIDEO FILE	HQ	08/ 07:59	09:00 PM	10:00 PM	02:00
WEDNESDAY, MAY 20						
FD 10						
131	ATLANTIS CREW WAKE UP (begins FD 10)		08/ 14:30	03:31 AM	04:31 AM	08:31
133	OBSS BERTH IN ATLANTIS' PAYLOAD BAY		08/ 17:15	06:16 AM	07:16 AM	11:16
134	ATLANTIS CREW OFF DUTY PERIOD BEGINS		08/ 18:30	07:31 AM	08:31 AM	12:31
135	ATLANTIS HD CREW NEWS CONFERENCE (on both Standard and High-Definition NASA-TV Channels)	TDRW	08/ 20:25	09:26 AM	10:26 AM	14:26
136	ATLANTIS-ISS SHIP-TO-SHIP CALL (on both Standard and High-Definition NASA-TV Channels)	TDRW	08/ 22:05	11:06 AM	12:06 PM	16:06
137	VIDEO FILE	HQ	08/ 22:59	12:00 PM	01:00 PM	17:00
137	MISSION STATUS BRIEFING	JSC	08/ 23:59	01:00 PM	02:00 PM	18:00
138	* POST-MMT BRIEFING	JSC	09/ 01:59	03:00 PM	04:00 PM	20:00
139	* HD CREW CHOICE DOWNLINK OPPORTUNITY	TDRW	09/ 02:30	03:31 PM	04:31 PM	20:31
141	* ATLANTIS CREW SLEEP BEGINS		09/ 05:00	06:01 PM	07:01 PM	23:01
141	* FLIGHT DAY 10 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	09/ 05:59	07:00 PM	08:00 PM	00:00

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143	HIGH DEFINITION FLIGHT DAY 10 CREW HIGHLIGHTS (on the NASA-TV HDTV Channel; replayed 5am-8am CT May 21)	JSC	09/ 08:59	10:00 PM	11:00 PM	03:00
THURSDAY, MAY 21						
FD 11						
146	* ATLANTIS CREW WAKE UP (begins FD 11)		09/ 13:00	02:01 AM	03:01 AM	07:01
148	* CABIN STOWAGE BEGINS / RMS PRE-FCS CHECKOUT SURVEY		09/ 16:00	05:01 AM	06:01 AM	10:01
148	* FCS CHECKOUT		09/ 16:10	05:11 AM	06:11 AM	10:11
149	* RCS HOT-FIRE TEST		09/ 17:20	06:21 AM	07:21 AM	11:21
150	* CREW DEORBIT PREPARATION BRIEFING		09/ 19:05	08:06 AM	09:06 AM	13:06
152	ATLANTIS HD PAO EVENT WITH SENATOR BARBARA MIKULSKI (D-Md.) (on both Standard and High-Definition NASA TV Channels)	TDRE	09/ 22:30	11:31 AM	12:31 PM	16:31
153	ATLANTIS HD PAO EVENT WITH ABC / CBS / CNN / NBC / FOX (on both Standard and High-Definition NASA TV Channels)	TDRE	10/ 00:40	01:41 PM	02:41 PM	18:41
154	* KU-BAND ANTENNA STOWAGE		10/ 01:05	02:06 PM	03:06 PM	19:06
153	MISSION STATUS BRIEFING	JSC	10/ 01:14	02:15 PM	03:15 PM	19:15
153	LRO / LCROSS PRELAUNCH BRIEFING	HQ	10/ 01:59	03:00 PM	04:00 PM	20:00
156	* ATLANTIS CREW SLEEP BEGINS		10/ 04:00	05:01 PM	06:01 PM	22:01
156	* FLIGHT DAY 11 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	10/ 04:59	06:00 PM	07:00 PM	23:00
156	VIDEO FILE	HQ	10/ 06:59	08:00 PM	09:00 PM	01:00

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158	HIGH DEFINITION FLIGHT DAY 11 CREW HIGHLIGHTS (on the NASA-TV HDTV Channel; replayed 5am-8am CT May 22)	JSC	10/ 08:59	10:00 PM	11:00 PM	03:00

FRIDAY, MAY 22
FD 12

161	* ATLANTIS CREW WAKEUP (begins FD 12)		10/ 12:00	01:01 AM	02:01 AM	06:01
163	* DEORBIT PREPARATIONS BEGIN		10/ 15:05	04:06 AM	05:06 AM	09:06
163	* PAYLOAD BAY DOOR CLOSING		10/ 16:09	05:10 AM	06:10 AM	10:10
165	* DEORBIT BURN		10/ 18:50	07:51 AM	08:51 AM	12:51
166	* MILA C-BAND RADAR ACQUISITION OF ATLANTIS		10/ 19:49	08:50 AM	09:50 AM	13:50
166	* KSC LANDING	KSC	10/ 20:02	09:03 AM	10:03 AM	14:03
	POST-LANDING NEWS CONFERENCE	KSC		NET L+2 HRS.		
	ENTRY FLIGHT CONTROL TEAM VIDEO REPLAY (replayed after Post-Landing News Conference)	JSC		~ L+3 HRS.		
	STS-125 MISSION HIGHLIGHTS VIDEO REPLAY (replayed after Entry Flight Control Team Video)	JSC		~ L+3.5 HRS.		
	STS-125 CREW NEWS CONFERENCE (may be postponed or cancelled)	KSC		NET L+4.5 HRS.		

ORBIT SUBJECT SITE MET CDT EDT GMT

DEFINITION OF TERMS

ACS: Advanced Camera for Surveys on HST
 AMC: Americom Satellite
 CDT: Central Daylight Time
 COS: Cosmic Origins Spectrograph on HST
 EDT: Eastern Daylight Time
 EMU: Extravehicular Mobility Unit
 EVA: Extravehicular Activity
 FD: Flight Day
 FGS: Fine Guidance Sensor on HST
 FSS: Flight Support System (HST docking interface on Atlantis)
 GMT: Greenwich Mean Time
 GSFC: Goddard Space Flight Center
 HDTV: High-Definition Television
 HGA: High-Gain Antenna on HST
 HQ: NASA Headquarters
 HST: Hubble Space Telescope
 ISS: International Space Station
 JSC: Johnson Space Center
 KSC: Kennedy Space Center
 L: Launch or Landing time
 LIMO: Live Interview Media Outlet channel
 LRO/LCROSS: Lunar Reconnaissance Orbiter/Lunar Crater Observation and Sensing Satellite
 MECO: Main Engine Cut-Off
 MET: Mission Elapsed Time, which begins at the moment of launch and is read: DAYS/HOURS:MINUTES. LAUNCH=00/00:00
 MILA: Merritt Island, Florida Tracking Station
 MMT: Mission Management Team
 NET: No Earlier Than
 NOBL: New Outer Blanket Layer on HST
 OBSS: Orbiter Boom Sensor System on Atlantis
 OMS: Orbital Maneuvering System on Atlantis
 PAO: Public Affairs office
 RCS: Reaction Control System on Atlantis
 RMS: Remote Manipulator System on Atlantis
 RSU: Rate Sensor Unit in HST gyroscope assembly
 SCM: Soft Capture Mechanism on FSS
 SI CD & H: Science Instrument Command & Data Handling computer on HST
 SSE: Space Support Equipment on Atlantis
 STIS: Space Telescope Imaging Spectrograph on HST
 STOCC: Space Telescope Operations Control Center at GSFC
 STS: Space Transportation System

TI: Terminal Initiation Rendezvous Maneuver
 TDRE, W: Tracking and Data Relay Satellite, East and West Longitudes

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TPS:	Thermal Protection System on Atlantis					
WFCIII:	Wide Field Camera 3 on HST (replaces WFPC)					
WFPC:	Wide Field Planetary Camera on HST (replaced by WFCIII)					