
 NASA TELEVISION SCHEDULE
 STS-125
 Hubble Space Telescope Servicing Mission 4
 REV N
 05/23/09

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
SATURDAY, MAY 23						
FD 13						
176	ATLANTIS CREW WAKEUP (begins FD 13)		11/ 11:00	12:01 AM	01:01 AM	05:01
177	DEORBIT PREPARATIONS BEGIN		11/ 13:50	02:51 AM	03:51 AM	07:51
178	PAYLOAD BAY DOOR CLOSING		11/ 15:22	04:23 AM	05:23 AM	09:23
180	* 1ST KSC OPPORTUNITY DEORBIT BURN	KSC	11/ 18:00	07:01 AM	08:01 AM	12:01
181	MILA C-BAND RADAR ACQUISITION OF ATLANTIS		11/ 19:02	08:03 AM	09:03 AM	13:03
181	* 1st KSC OPPORTUNITY LANDING	KSC	11/ 19:14	08:15 AM	09:15 AM	13:15
181	* 1st EDW OPPORTUNITY DEORBIT BURN	EDW	11/ 19:28	08:29 AM	09:29 AM	13:29
181	* 2nd KSC OPPORTUNITY DEORBIT BURN	KSC	11/ 19:44	08:45 AM	09:45 AM	13:45
181	1st EDW OPPORTUNITY LANDING	EDW	11/ 20:44	09:45 AM	10:45 AM	14:45
181	2nd KSC OPPORTUNITY LANDING	KSC	11/ 20:53	09:54 AM	10:54 AM	14:54

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
182	* 2nd EDW OPPORTUNITY DEORBIT BURN	EDW	11/ 21:10	10:11 AM	11:11 AM	15:11
182	* 3rd KSC OPPORTUNITY DEORBIT BURN	KSC	11/ 21:28	10:29 AM	11:29 AM	15:29
182	* 2nd EDW OPPORTUNITY LANDING	EDW	11/ 22:22	11:23 AM	12:23 PM	16:23
182	* 3rd KSC OPPORTUNITY LANDING	KSC	11/ 22:32	11:33 AM	12:33 PM	16:33
183	* 3rd EDW OPPORTUNITY DEORBIT BURN	EDW	11/ 22:54	11:55 AM	12:55 PM	16:55
183	* 3rd KSC OPPORTUNITY LANDING	EDW	12/ 00:01	01:02 PM	02:02 PM	18:02
	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.		

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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
- EDW: Edwards Air Force Base, CA
- 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

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TDRE, W:	Tracking and Data Relay Satellite, East and West Longitudes					
TPS:	Thermal Protection System on Atlantis					
WFCIII:	Wide Field Camera 3 on HST (replaces WFPC)					
WPFC:	Wide Field Planetary Camera on HST (replaced by WFCIII)					