
 NASA TELEVISION SCHEDULE
 STS-125
 Hubble Space Telescope Servicing Mission 4
 REV K
 05/21/09

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
THURSDAY, MAY 21						
FD 11						
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
152	* MISSION STATUS / POST MMT BRIEFING	JSC	10/ 22:59	12:00 PM	01:00 PM	17:00
153	ATLANTIS HD PAO EVENT WITH ABC / FOX / CBS / NBC / CNN (on both Standard and High-Definition NASA TV Channels)	TDRW	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
154	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

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
156	VIDEO FILE	HQ	10/ 06:59	08:00 PM	09:00 PM	01:00
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/ 14:50	03:51 AM	04:51 AM	08:51
163	PAYLOAD BAY DOOR CLOSING		10/ 16:09	05:10 AM	06:10 AM	10:10
165	* DEORBIT BURN		10/ 18:47	07:48 AM	08:48 AM	12:48
166	* MILA C-BAND RADAR ACQUISITION OF ATLANTIS		10/ 19:46	08:47 AM	09:47 AM	13:47
166	* KSC LANDING	KSC	10/ 19:59	09:00 AM	10:00 AM	14:00
	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.		

DEFINITION OF TERMS

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
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					
TPS:	Thermal Protection System on Atlantis					
WFCIII:	Wide Field Camera 3 on HST (replaces WFPC)					

ORBIT
WFC:

SUBJECT
Wide Field Planetary Camera on HST (replaced by WFCIII)

SITE

MET

CDT

EDT

GMT