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 NASA TELEVISION SCHEDULE  
 STS-129  
 ISS UTILIZATION LOGISTICS FLIGHT 3  
 REV M  
 11/26/09  
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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 1:28pm CT (2:28pm ET) on Monday, November 16th, 2009.  
 An asterisk (\*) denotes changes made to the previous revision to the television schedule.

ORBIT	SUBJECT	SITE	MET	CST	EST	GMT
<b>THURSDAY, NOVEMBER 26</b>						
<b>FD 11</b>						
151	ATLANTIS CREW WAKE UP (begins FD 11)		09/ 11:00	12:28 AM	01:28 AM	06:28
153	* CABIN STOWAGE BEGINS		09/ 14:20	03:48 AM	04:48 AM	09:48
153	* FCS CHECKOUT		09/ 15:20	04:48 AM	05:48 AM	10:48
154	* RCS HOT-FIRE TEST		09/ 16:30	05:58 AM	06:58 AM	11:58
156	* U.S. PAO EVENT WITH ABC NEWS / WTVT-TV / KCBS-TV	TDRE	09/ 18:45	08:13 AM	09:13 AM	14:13
157	MISSION STATUS BRIEFING	JSC	09/ 21:02	10:30 AM	11:30 AM	16:30
158	STOTT'S RECUMBENT SEAT SET UP		09/ 23:00	12:28 PM	01:28 PM	18:28
159	KU-BAND ANTENNA STOWAGE		10/ 00:00	01:28 PM	02:28 PM	19:28
161	ATLANTIS CREW SLEEP BEGINS		10/ 03:00	04:28 PM	05:28 PM	22:28
161	FLIGHT DAY 11 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	10/ 03:32	05:00 PM	06:00 PM	23:00

163	HIGH DEFINITION FLIGHT DAY 11 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays from 5:00am CT - 4:00pm CT on Nov. 26)	JSC	10/	05:32	07:00 PM	08:00 PM	01:00
<b>FRIDAY, NOVEMBER 27</b>							
<b>FD 12</b>							
166	ATLANTIS CREW WAKE UP (begins FD 12)		10/	11:00	12:28 AM	01:28 AM	06:28
168	ATLANTIS DEORBIT PREPARATIONS BEGIN		10/	14:15	03:43 AM	04:43 AM	09:43
169	* PAYLOAD BAY DOOR CLOSING		10/	15:29	04:57 AM	05:57 AM	10:57
171	* ATLANTIS DEORBIT BURN		10/	18:09	07:37 AM	08:37 AM	13:37
172	MILA C-BAND RADAR ACQUISITION OF ATLANTIS		10/	19:03	08:31 AM	09:31 AM	14:31
172	KSC LANDING	KSC	10/	19:16	08:44 AM	09:44 AM	14:44
	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-129 MISSION HIGHLIGHTS VIDEO REPLAY	JSC			~ L+3.5 HRS.		
	STS-129 CREW NEWS CONFERENCE (may be postponed or cancelled)	KSC			NET L+4.5 HRS.		
	VIDEO B-ROLL OF STOTT IN CREW QUARTERS (pending availability)	KSC			NET L+6.5 HRS.		

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**DEFINITION OF TERMS**  
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AMC: Americom Satellite  
APFR: Adjustable Portable Foot Restraint  
ATA: Ammonia Tank Assembly  
CBCS: Centerline Berthing Camera System  
CST: Central Standard Time  
Destiny: U.S. Laboratory on ISS  
ELC1 Express Logistics Carrier 1  
EMU: Extravehicular Mobility Unit  
EST: Eastern Standard Time  
EVA: Extravehicular Activity  
FCS: Flight Control System  
FD: Flight Day  
GATOR: Grappling Adaptor to On-Orbit Railing  
GMT: Greenwich Mean Time  
HARMONY: Node 2  
HD: High Definition Television  
HPGT: High Pressure Gas Tank  
HQ: NASA Headquarters  
ISS: International Space Station  
JSC: Johnson Space Center  
Kibo: Japanese Pressurized Module  
KSC: Kennedy Space Center  
L: Launch or Landing time  
LIMO: Live Interview Media Outlet channel  
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  
MRM-2 Mini Research Module 2 (new docking port on ISS)  
MS: Mission Specialist  
NET: No Earlier Than  
OBSS: Orbiter Boom Sensor System  
ODS: Orbiter Docking System  
OMS: Orbital Maneuvering System  
ORU: Orbital Replacement Unit  
P3: Port Three Truss Segment  
PAO: Public Affairs office  
PAS: Payload Attachment System  
PMA-3: Pressurized Mating Adapter 3  
POA: Payload ORU Accommodation  
RCS: Reaction Control System



RMS: Remote Manipulator System on ATLANTIS  
RPM: Rendezvous Pitch Maneuver  
SAAGFA: Solar Array Assembly Grapple Fixture  
SASA: S-Band Antenna Sub-Assembly  
SGANT: Space-to-Ground Antenna  
SSRMS: Space Station Remote Manipulator System (Canadarm2 ISS Robotic Arm)  
STS: Space Transportation System  
TI: Terminal Initiation Rendezvous Maneuver  
TDRE, W: Tracking and Data Relay Satellite, East and West Longitudes  
TPS: Thermal Protection System  
UCCAS: Unpressurized Cargo Carriers Attachment System  
Unity: Connecting Node 1 on International Space Station  
VTR: Videotape Recorder  
WISE: Wide-field Infrared Survey Explorer  
WLE: Wing Leading Edge  
Zvezda: Russian Service Module of ISS