
 NASA TELEVISION SCHEDULE
 STS-128 / ISS 17A
 LEONARDO MULTIPURPOSE LOGISTICS MODULE
 REV R
 9/10/09

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/shuttletv>
 Launch occurred at 10:59pm CT (11:59pm ET) on Friday, August 28th, 2009.
 An asterisk (*) denotes changes made to the previous revision to the television schedule.

ORBIT	SUBJECT	SITE	MET	CDT	EDT	GMT
FRIDAY, SEPTEMBER 11						
FD 14 / FD 15						
207	DISCOVERY CREW SLEEP BEGINS		13/ 01:30	12:29 AM	01:29 AM	05:29
207	STS-128 MISSION HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	13/ 02:01	01:00 AM	02:00 AM	06:00
212	DISCOVERY CREW WAKE UP (begins FD 14)		13/ 09:30	08:29 AM	09:29 AM	13:29
214	DEORBIT PREPARATIONS BEGIN		13/ 12:50	11:49 AM	12:49 PM	16:49
214	LCROSS MISSION UPDATE NEWS CONFERENCE (NASA TV Media Channel #103 only)	AMES	12/ 13:01	12:00 PM	01:00 PM	17:00
215	* PAYLOAD BAY DOOR CLOSING		13/ 14:02	01:01 PM	02:01 PM	18:01
217	* 1ST KSC OPPORTUNITY DEORBIT BURN		13/ 16:42	03:41 PM	04:41 PM	20:41
217	MILA C-BAND RADAR ACQUISITION OF DISCOVERY		13/ 17:36	04:35 PM	05:35 PM	21:35
217	1ST KSC OPPORTUNITY LANDING	KSC	13/ 17:49	04:48 PM	05:48 PM	21:48
218	* 2ND KSC OPPORTUNITY DEORBIT BURN		13/ 18:18	05:17 PM	06:17 PM	22:17

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
218	2ND KSC OPPORTUNITY LANDING	KSC	13/ 19:24	06:23 PM	07:23 PM	23:23
219	* 1ST EDW OPPORTUNITY DEORBIT BURN		13/ 19:48	06:47 PM	07:47 PM	23:47
219	1ST EDW OPPORTUNITY LANDING	EDW	13/ 20:54	07:53 PM	08:53 PM	00:53
220	* 2ND EDW OPPORTUNITY DEORBIT BURN		13/ 21:24	08:23 PM	09:23 PM	01:23
220	2ND EDW OPPORTUNITY LANDING	EDW	13/ 22:29	09:28 PM	10:28 PM	02:28
	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-128 MISSION HIGHLIGHTS VIDEO REPLAY (replayed after Entry Flight Control Team Video)	JSC		~ L+3.5 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>
AMC:	Americom Satellite					
ARS:	Air Revitalization System					
ATA:	Ammonia Tank Assembly					
CBM:	Common Berthing Mechanism					
CST:	Central Standard Time					
CHECS:	Crew Health Care System					
C.O.L.B.E.R.T.:	Combined Operational Load Bearing External Resistance Treadmill					
Destiny:	U.S. Laboratory on ISS					
EDW:	Edwards Air Force Base, CA					
EMU:	Extravehicular Mobility Unit					
EST:	Eastern Standard Time					
EUTEF:	European Technology Exposure Facility					
EVA:	Extravehicular Activity					
FCS:	Flight Control System					
FD:	Flight Day					
FIR:	Fluids Integration Rack					
GMT:	Greenwich Mean Time					
GPS:	Global Positioning System					
GSFC:	Goddard Space Flight Center					
HARMONY:	Node 2					
HD:	High Definition Television					
HQ:	NASA Headquarters					
HTV:	Japanese H-II Transfer Vehicle					
HYTHIRM:	Hypersonic Thermodynamic Infrared Measurements					
ISS:	International Space Station					
JSC:	Johnson Space Center					
KSC:	Kennedy Space Center					
L:	Launch or Landing time					
LCROSS:	Lunar Crater Observation and Sensing Satellite					
LIMO:	Live Interview Media Outlet channel					
LMC:	Lightweight Mission Peculiar Equipment Support Structure Carrier					
MECO:	Main Engine Cut-Off					
MELFI:	Minus Eighty-Degree Laboratory Freezer for ISS					
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					
MISSE:	Materials International Space Station Experiment					
MMT:	Mission Management Team					
MPLM	Multi-Purpose Logistics Module					
MS:	Mission Specialist					
MSFC:	Marshall Space Flight Center					
MSRR:	Materials Science Research Rack					
NET:	No Earlier Than					
OBSS:	Orbiter Boom Sensor System					

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ODS:	Orbiter Docking System					
OMS:	Orbital Maneuvering System					
PAO:	Public Affairs office					
PAS:	Payload Attachment System					
RCS:	Reaction Control System					
RGA:	Rate Gyro Assembly on ISS					
RMS:	Remote Manipulator System on Discovery					
RPCM:	Remote Power Control Module					
RPM:	Rendezvous Pitch Maneuver					
S0:	Starboard Zero Truss Segment					
S1:	Starboard One Truss Segment					
S3:	Starboard Three Truss Segment					
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					
TNSC:	Tanegashima Space Center, Japan					
TPS:	Thermal Protection System					
TRANQUILITY:	Future Node 3 on ISS					
Unity:	Connecting Node 1 on International Space Station					
VIP:	Very Important Person					
VTR:	Videotape Recorder					
WLE:	Wing Leading Edge					