
 NASA TELEVISION SCHEDULE
 STS-128 / ISS 17A
 LEONARDO MULTIPURPOSE LOGISTICS MODULE
 REV N
 9/8/09

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
TUESDAY, SEPTEMBER 8						
FD 12						
169	DISCOVERY UNDOCKS FROM ISS		10/ 15:27	02:26 PM	03:26 PM	19:26
168	DISCOVERY FLYAROUND OF ISS BEGINS		10/ 15:56	02:55 PM	03:55 PM	19:55
169	FINAL SEPARATION FROM ISS		10/ 17:10	04:09 PM	05:09 PM	21:09
169	POST MISSION MANAGEMENT TEAM BRIEFING	JSC	10/ 17:31	04:30 PM	05:30 PM	21:30
171	* RMS / OBSS LATE INSPECTION OF DISCOVERY'S TPS BEGINS		10/ 18:00	04:59 PM	05:59 PM	21:59
172	MISSION STATUS BRIEFING	JSC	10/ 21:01	08:00 PM	09:00 PM	01:00
174	OBSS BERTH		10/ 23:30	10:29 PM	11:29 PM	03:29
WEDNESDAY, SEPTEMBER 9						
FD 12 / FD 13						
175	* SHUTTLE VTR PLAYBACK OF UNDOCKING		11/ 01:10	12:09 AM	01:09 AM	05:09
176	DISCOVERY CREW SLEEP BEGINS		11/ 03:00	01:59 AM	02:59 AM	06:59

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177	FLIGHT DAY 12 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC		11/ 03:01	02:00 AM	03:00 AM	07:00
179	HIGH DEFINITION FLIGHT DAY 12 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00am CT and 10:00am CT)	JSC		11/ 08:01	07:00 AM	08:00 AM	12:00
182	DISCOVERY CREW WAKE UP (begins FD 13)			11/ 11:00	09:59 AM	10:59 AM	14:59
182	* HUBBLE SPACE TELESCOPE EARLY RELEASE OBSERVATION NEWS CONFERENCE (NASA-TV Public Channel #101 only)	HQ		11/ 11:06	10:05 AM	11:05 AM	15:05
182	STS-125 CREW NEWS CONFERENCE (NASA-TV Public Channel #101 only)	HQ		11/ 12:01	11:00 AM	12:00 PM	16:00
183	VIDEO FILE	HQ		11/ 13:01	12:00 PM	01:00 PM	17:00
183	CABIN STOWAGE BEGINS			11/ 14:05	01:04 PM	02:04 PM	18:04
184	ARES DEMONSTRATION MOTOR STATIC TEST FIRE (NASA TV Education Channel #102 only)	MSFC		11/ 15:01	02:00 PM	03:00 PM	19:00
184	* FCS CHECKOUT			11/ 15:15	02:14 PM	03:14 PM	19:14
184	POST-ARES DEMONSTRATION MOTOR STATIC TEST FIRE NEWS CONFERENCE (NASA TV Education Channel #102 only)	MSFC		11/ 15:46	02:45 PM	03:45 PM	19:45
185	* RCS HOT-FIRE TEST			11/ 16:25	03:24 PM	04:24 PM	20:24
185	CBS NEWS / ABC NEWS / CNN LIVE INTERVIEWS	TDRE		11/ 16:55	03:54 PM	04:54 PM	20:54
186	BOUNDARY LAYER TRANSITION / HYTHIRM BRIEFING	JSC		11/ 20:01	07:00 PM	08:00 PM	00:00
188	MISSION STATUS BRIEFING	JSC		11/ 21:01	08:00 PM	09:00 PM	01:00
189	KOPRA'S RECUMBENT SEAT SET UP			11/ 22:30	09:29 PM	10:29 PM	02:29
190	KU-BAND ANTENNA STOWAGE			11/ 23:50	10:49 PM	11:49 PM	03:49

THURSDAY, SEPTEMBER 10

FD 13 / FD 14

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
192	DISCOVERY CREW SLEEP BEGINS		12/ 03:00	01:59 AM	02:59 AM	06:59
192	FLIGHT DAY 13 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	12/ 03:01	02:00 AM	03:00 AM	07:00
195	HIGH DEFINITION FLIGHT DAY 13 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00am CT and 10:00am CT)	JSC	12/ 08:01	07:00 AM	08:00 AM	12:00
197	DISCOVERY CREW WAKE UP (begins FD 14)		12/ 11:00	09:59 AM	10:59 AM	14:59
198	HTV LAUNCH COVERAGE BEGINS (launch scheduled at 12:01pm CT)	JSC / TNSC	12/ 12:46	11:45 AM	12:45 PM	16:45
198	BACK TO SCHOOL, BACK TO SCIENCE WEBCAST (NASA-TV Education Channel #102 only)	GSFC	12/ 13:01	12:00 PM	01:00 PM	17:00
199	DEORBIT PREPARATIONS BEGIN		12/ 14:05	01:04 PM	02:04 PM	18:04
200	PAYLOAD BAY DOOR CLOSING		12/ 15:20	02:19 PM	03:19 PM	19:19
201	DEORBIT BURN		12/ 18:00	04:59 PM	05:59 PM	21:59
202	MILA C-BAND RADAR ACQUISITION OF DISCOVERY		12/ 18:53	05:52 PM	06:52 PM	22:52
202	KSC LANDING	KSC	12/ 19:06	06:05 PM	07:05 PM	23:05
	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					
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					
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					
ODS:	Orbiter Docking System					
OMS:	Orbital Maneuvering System					

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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					