
 NASA TELEVISION SCHEDULE
 STS-131 / ISS 19A
 LEONARDO MULTIPURPOSE LOGISTICS MODULE

REV M
 4/17/10

NASA TV (Public, Education, Media Channels and occasional HD programming) Digital Satellite C-Band Downlink coordinates for continental North America, Alaska and Hawaii: Satellite = AMC 3 / Transponder = 15C / 87 Degrees West / DVB-S, 4:2:0 / Downlink Frequency = 4000 Mhz / Downlink Polarity = Horizontal / FEC = 3/4 / Data Rate = 38.860 MHz / Symbol Rate = 28.1115. Clients actively participating in Standard-Definition on-orbit interviews, interactive press briefings and satellite interviews must use the **LIMO Channel**: Satellite = AMC 3 / Transponder = 9C / 87 degrees West / DVB-S, 4:2:0 / Downlink Frequency = 3865.5 Mhz / Downlink Polarity = Horizontal / FEC = 3/4 / Data Rate = 6.0 Mbps / Symbol rate = 4.3404 Msps. A Digital Video Broadcast compliant Integrated Receiver Decoder is required for reception. Mission Audio is available at: <http://www.nasa.gov/ntv>.

ALL TIMES SUBJECT TO CHANGE

This TV schedule is available via the Internet. The address is: <http://www.nasa.gov/shuttletv>
 Launch occurred at 5:21am CT (6:21am ET) on Monday, April 5th, 2010.
 An asterisk (*) denotes changes made to the previous revision to the television schedule.

ORBIT	SUBJECT	SITE	MET	CDT	EDT	GMT
SATURDAY, APRIL 17						
FD 13 / FD 14						
191	DISCOVERY UNDOCKS FROM ISS		12/ 02:31	07:52 AM	08:52 AM	12:52
192	FIRST NATIONAL CHAMPIONSHIP FROM ATLANTA, GA (NASA TV Education Channel #102 only)	AMES	12/ 02:39	08:00 AM	09:00 AM	13:00
192	DISCOVERY FLYAROUND OF ISS BEGINS		12/ 03:00	08:21 AM	09:21 AM	13:21
192	DISCOVERY FINAL SEPARATION FROM ISS		12/ 04:14	09:35 AM	10:35 AM	14:35
193	MISSION STATUS BRIEFING	JSC	12/ 05:09	10:30 AM	11:30 AM	15:30
194	OBSS BERTH		12/ 06:20	11:41 AM	12:41 PM	16:41
195	KU ANTENNA STOW		12/ 07:30	12:51 PM	01:51 PM	17:51
195	MMT BRIEFING	JSC	12/ 07:39	01:00 PM	02:00 PM	18:00
196	DISCOVERY CREW SLEEP BEGINS		12/ 10:00	03:21 PM	04:21 PM	20:21
197	FLIGHT DAY 13 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	12/ 10:39	04:00 PM	05:00 PM	21:00

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
202	DISCOVERY CREW WAKE UP (begins FD 14)		12/ 18:00	11:21 PM	12:21 AM	04:21
SUNDAY, APRIL 18 FD 14 / FD 15						
204	CABIN STOWAGE BEGINS		12/ 21:00	02:21 AM	03:21 AM	07:21
204	FCS CHECKOUT		12/ 21:20	02:41 AM	03:41 AM	07:41
205	RCS HOT-FIRE TEST		12/ 22:30	03:51 AM	04:51 AM	08:51
206	WBZ RADIO / ASSOCIATED PRESS / KEZI-TV LIVE INTERVIEWS (audio only)		13/ 01:15	06:36 AM	07:36 AM	11:36
209	MISSION STATUS BRIEFING	JSC	13/ 05:09	10:30 AM	11:30 AM	15:30
212	DISCOVERY CREW SLEEP BEGINS		13/ 10:00	03:21 PM	04:21 PM	20:21
213	FLIGHT DAY 14 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	13/ 10:39	04:00 PM	05:00 PM	21:00
217	DISCOVERY CREW WAKE UP (begins FD 15)		13/ 18:00	11:21 PM	12:21 AM	04:21

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
MONDAY, APRIL 19						
FD 15						
220	DEORBIT PREPARATIONS BEGIN		13/ 21:25	02:46 AM	03:46 AM	07:46
221	* PAYLOAD BAY DOOR CLOSING		13/ 22:42	04:03 AM	05:03 AM	09:03
222	* DISCOVERY DEORBIT BURN		14/ 01:22	06:43 AM	07:43 AM	11:43
223	* MILA C-BAND RADAR ACQUISITION OF DISCOVERY		14/ 02:17	07:38 AM	08:38 AM	12:38
223	* DISCOVERY LANDING	KSC	14/ 02:30	07:51 AM	08:51 AM	12:51
	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-131 MISSION HIGHLIGHTS VIDEO REPLAY (replayed after Entry Flight Control Team Video)	JSC		~ L+3.5 HRS.		
	STS-131 POST-LANDING CREW NEWS CONFERENCE (CDR and available crewmembers)	JSC		~ L+4.5 HRS.		

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MMT:	Mission Management Team					
MPAC/SEED:	Micro-Particles Capture/Space Environment Exposure Device					
MS:	Mission Specialist					
MSFC:	Marshall Space Flight Center, Huntsville, AL					
NET:	No Earlier Than					
OBSS:	Orbiter Boom Sensor System					
ODS:	Orbiter Docking System					
OGS:	Oxygen Generation System on ISS					
OMS:	Orbital Maneuvering System					
ORU:	Orbital Replacement Unit					
OTP:	ORU and Tool Platform					
PAO:	Public Affairs office					
PMA 3:	Pressurized Mating Adapter 3 on ISS					
RCS:	Reaction Control System					
RGA:	Rate Gyro Assembly					
RMS:	Remote Manipulator System on DISCOVERY					
RPM:	Rendezvous Pitch Maneuver					
SGANT:	Space-to-Ground Antenna					
SPDM:	Special Purpose Dextrous Manipulator (Dextre)					
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					
Tranquility:	Node 3 on ISS					
Unity:	Node 1 on ISS					
VTR:	Videotape Recorder					
WLE:	Wing Leading Edge					
WORF:	Window Observational Research Facility					
WRS:	Water Recovery System on ISS					
ZSR:	Zero-gravity Stowage Rack					