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 NASA TELEVISION SCHEDULE  
 STS-131 / ISS 19A  
 LEONARDO MULTIPURPOSE LOGISTICS MODULE  
 REV K  
 4/16/10  
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**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
<b>FRIDAY, APRIL 16</b>						
<b>FD 12 / FD 13</b>						
171	* DISCOVERY / ISS CREW WAKE UP (begins FD 12)		10/ 19:00	12:21 AM	01:21 AM	05:21
172	* SSRMS BERTHS MPLM IN DISCOVERY'S PAYLOAD BAY		10/ 21:05	02:26 AM	03:26 AM	07:26
172	* RMS / OBSS LATE INSPECTION OF DISCOVERY'S TPS		10/ 22:10	03:31 AM	04:31 AM	08:31
176	FIRST NATIONAL CHAMPIONSHIP FROM ATLANTA, GA (NASA TV Education Channel #102 only)	AMES	11/ 02:39	08:00 AM	09:00 AM	13:00
177	MISSION STATUS BRIEFING	JSC	11/ 04:39	10:00 AM	11:00 AM	15:00
180	ISS CREW SLEEP BEGINS		11/ 09:30	02:51 PM	03:51 PM	19:51
180	* STS-131 MISSION HIGHLIGHTS MUSIC VIDEO (replays at 5pm CT and 7pm CT)	JSC	11/ 09:39	03:00 PM	04:00 PM	20:00
181	DISCOVERY CREW SLEEP BEGINS		11/ 10:00	03:21 PM	04:21 PM	20:21
181	FLIGHT DAY 12 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	11/ 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>
182	*	VIDEO FILE	HQ		11/ 12:39	06:00 PM	07:00 PM	23:00
182		HIGH DEFINITION FLIGHT DAY 12 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00pm CT and 10:00pm CT)	JSC		11/ 12:39	06:00 PM	07:00 PM	23:00
186		DISCOVERY/ISS CREW WAKE UP (begins FD 13)			11/ 18:00	11:21 PM	12:21 AM	04:21

**SATURDAY, APRIL 17**

**FD 13 / FD 14**

190		FAREWELL AND HATCH CLOSURE			11/ 23:35	04:56 AM	05:56 AM	09:56
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
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

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>		<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
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

**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/ 22:46	04:07 AM	05:07 AM	09:07
222	DISCOVERY DEORBIT BURN			14/ 01:26	06:47 AM	07:47 AM	11:47
223	MILA C-BAND RADAR ACQUISITION OF DISCOVERY			14/ 02:14	07:35 AM	08:35 AM	12:35
223	DISCOVERY LANDING	KSC		14/ 02:27	07:48 AM	08:48 AM	12:48
	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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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					