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NASA TELEVISION SCHEDULE
STS-131 / ISS 19A
LEONARDO MULTIPURPOSE LOGISTICS MODULE
REV O
4/19/10

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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
MONDAY, APRIL 19							
FD 15 / FD 16							
227	*	DISCOVERY CREW SLEEP BEGINS		14/ 09:00	02:21 PM	03:21 PM	19:21
228	*	STS-131 FLIGHT DAY HIGHLIGHTS (from previous mission days; replayed every hour on the hour through crew	JSC	14/ 09:39	03:00 PM	04:00 PM	20:00
229	*	VIDEO FILE	HQ	14/ 11:39	05:00 PM	06:00 PM	22:00
233	*	DISCOVERY CREW WAKE UP (begins FD 15)		14/ 17:00	10:21 PM	11:21 PM	03:21

ORBIT		SUBJECT	SITE	MET	CDT	EDT	GMT
		TUESDAY, APRIL 20					
		FD 16					
235	*	DEORBIT PREPARATIONS BEGIN		14/ 20:20	01:41 AM	02:41 AM	06:41
236	*	PAYLOAD BAY DOOR CLOSING		14/ 21:27	02:48 AM	03:48 AM	07:48
237	*	1ST KSC OPPORTUNITY DEORBIT BURN		15/ 00:07	05:28 AM	06:28 AM	10:28
238	*	MILA C-BAND RADAR ACQUISITION OF DISCOVERY		15/ 01:00	06:21 AM	07:21 AM	11:21
238	*	1ST KSC OPPORTUNITY LANDING	KSC	15/ 01:13	06:34 AM	07:34 AM	11:34
238	*	1ST EDW OPPORTUNITY DEORBIT BURN		15/ 01:35	06:56 AM	07:56 AM	11:56
238	*	2ND KSC OPPORTUNITY DEORBIT BURN		15/ 01:41	07:02 AM	08:02 AM	12:02
239	*	1ST EDW OPPORTUNITY LANDING	EDW	15/ 02:40	08:01 AM	09:01 AM	13:01
239	*	2ND KSC OPPORTUNITY LANDING	KSC	15/ 02:47	08:08 AM	09:08 AM	13:08
239	*	2ND EDW OPPORTUNITY DEORBIT BURN		15/ 03:09	08:30 AM	09:30 AM	13:30
240	*	2ND EDW OPPORTUNITY LANDING	EDW	15/ 04:14	09:35 AM	10:35 AM	14:35
240	*	3RD EDW OPPORTUNITY DEORBIT BURN		15/ 04:44	10:05 AM	11:05 AM	15:05
241	*	3RD EDW OPPORTUNITY LANDING	EDW	15/ 05:50	11:11 AM	12:11 PM	16:11
		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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DEFINITION OF TERMS

AGB:	Adjustable Grapple Bar
AMC:	Americom Satellite
AMES:	Ames Research Center, California
ATA:	Ammonia Tank Assembly
BAIK:	Baikonur Cosmodrome, Kazakhstan
CBM:	Common Berthing Mechanism
CETA:	Crew Equipment & Translation Aid
CLPA:	Camera Light Pan Tilt Assembly
CST:	Central Standard Time
Destiny:	U.S. Laboratory on ISS
EMU:	Extravehicular Mobility Unit
ESP:	External Stowage Platform
EST:	Eastern Standard Time
EVA:	Extravehicular Activity
FCS:	Flight Control System
FD:	Flight Day
FGB:	Fixed Grapple Bar
FHRC:	Flex Hose Rotary Coupler
FIRST:	For Inspiration and Recognition of Science and Technology
GMT:	Greenwich Mean Time
Harmony:	Node 2 on ISS
HD:	High Definition Television
HQ:	NASA Headquarters
ISP:	Integrated Stowage Platform
ISS:	International Space Station
JAXA:	Japan Aerospace Exploration Agency
JEF:	JPM Exposed Facility (experiment pallet on Kibo)
JPM:	Japanese Pressurized Module (Kibo)
JSC:	Johnson Space Center
KSC:	Kennedy Space Center
L:	Launch or Landing time
LIMO:	Live Interview Media Outlet channel
LTA:	Launch-to-Activation
LWAPA:	Light Weight Adapter Plate Assembly
MBS:	Mobile Base System on ISS truss
MCC-M:	Mission Control, Moscow
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
MLI:	Multi Layer Insulation
MMOD:	Micro Meteoroid Orbital Debris
MMT:	Mission Management Team

ORBIT	SUBJECT	SITE	MET	CDT	EDT	GMT

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