NASA TELEVISION SCHEDULE STS-127 / ISS 2 J/A

Kibo Experiment Logistics Module - Exposed Section/Exposed Facility REV C 7/13/09

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

SITE

CDT

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ORBII	SUBJECT	SIIE		<u>IME I</u>	<u>CD1</u>	<u>EDI</u>	<u>GM1</u>		
WEDNESDAY, JULY 15									
	FD 1								
	ENDEAVOUR LAUNCH COVERAGE BEGINS	KSC			11:30 AM	12:30 PM	16:30		
	LAUNCH	KSC	00/	00:00	05:03 PM	06:03 PM	22:03		
	MECO		00/	80:00	05:11 PM	06:11 PM	22:11		
1	NASA TELEVISION ORIGINATION SWITCHED TO JSC	JSC	00/	00:10	05:13 PM	06:13 PM	22:13		
1	NASA TELEVISION ORIGINATION SWITCHED TO KSC	KSC	00/	00:13	05:16 PM	06:16 PM	22:16		
1	LAUNCH REPLAYS (approx. 5 min. after MECO) T=30:00	KSC	00/	00:13	05:16 PM	06:16 PM	22:16		
1	ADDITIONAL LAUNCH REPLAYS FROM KSC		00/	00:45	05:48 PM	06:48 PM	22:48		
1	POST LAUNCH NEWS CONFERENCE	KSC	00/	00:57	06:00 PM	07:00 PM	23:00		
1	PAYLOAD BAY DOOR OPENING (may not be televised live)	00/	01:25	06:28 PM	07:28 PM	23:28		

ORBIT	SUBJECT	SITE	ī	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>	
3	RMS CHECKOUT		00/	03:55	08:58 PM	09:58 PM	01:58	
3	ASCENT FLIGHT CONTROL TEAM VIDEO REPLAY	JSC	00/	03:57	09:00 PM	10:00 PM	02:00	
4	EXTERNAL TANK HANDHELD VIDEO DOWNLINK		00/	05:00	10:03 PM	11:03 PM	03:03	
5	ENDEAVOUR CREW SLEEP BEGINS		00/	06:00	11:03 PM	12:03 AM	04:03	
THURSDAY, JULY 16 FD 1 / FD 2								
	יטי	/ FD 2						
5	FLIGHT DAY 1 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	00/	06:57	12:00 AM	01:00 AM	05:00	
10	ENDEAVOUR CREW WAKE UP (begins FD 2)		00/	14:00	07:03 AM	08:03 AM	12:03	
	A full schedule of mission events from Flight Day 02 through end-of-mission will be released in a NASA-TV Schedule after launch.							

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>	
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DEFINITION OF TERMS							

AMC: Americom Satellite

ANDE-2: Atmospheric Neutral Density Experiment 2

ATA: Ammonia Tank Assembly

CETA: Crew Equipment Translation Aid

CSA: Canadian Space Agency
CDT: Central Daylight Time
Destiny: U.S. Laboratory on ISS

Dextre: Special Purpose Dextrous Manipulator

EDT: Eastern Daylight Time

EFBM: Experiment Facility Berthing Mechanism

EMU: Extravehicular Mobility Unit ESP-2: External Stowage Platform-2 ESP-3: External Stowage Platform-3

EVA: Extravehicular Activity FCS: Flight Control System

FD: Flight Day

GMT: Greenwich Mean Time
Harmony: Connecting Node 2 on ISS
HD: High Definition Television
HQ: NASA Headquarters
ICC: Integrated Cargo Carrier

ICS: Interorbit Communication System ISS: International Space Station

JAXA: Japan Aerospace and Exploration Agency

JEF: JEM (Kibo) Exposed Facility

JEM: Japanese Experiment Module (aka "Kibo")

JLE: JEM Experiment Logistics Module-Exposed Section

JSC: Johnson Space Center

KIBO Japanese Experiment Module (aka JEM)

KSC: Kennedy Space Center L: Launch or Landing time

LDU: Linear Drive Unit

LIMO: Live Interview Media Outlet channel

LRO/LCRO Lunar Reconnaissance Orbiter/Lunar Crater Observation and Sensing Satellite

MAXI: Monitor of All-sky X-ray Images

MBS: Mobile Base System

ORBIT SUBJECT SITE MET CDT EDT GMT

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

MMT: Mission Management Team

MS: Mission Specialist
MT: Mobile Transporter
NET: No Earlier Than

OBSS: Orbiter Boom Sensor System

ODS: Orbiter Docking System
OMS: Orbital Maneuvering System
ORU: Orbital Replacement Unit
P1: Port One Truss Segment
P3: Port Three Truss Segment
P6: Port Six Truss Segment
PAO: Public Affairs office

PAS: Payload Attach System

PM: Pump Module

POA: Payload/ORU Attachment RCS: Reaction Control System Remote Manipulator System RMS: RPM: Rendezvous Pitch Maneuver S1: Starboard One Truss Segment S3: Starboard Three Truss Segment S5: Starboard Five Truss Segment Starboard Six Truss Segment S6:

SEDA: Space Environment Data Acquisition equipment

SGANT: Space to Ground Antenna

SRMS: Shuttle Remote Manipulator System
SSPTS: Station to Shuttle Power Transfer System

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 VLD: Vertical Light Deployable VTR: Videotape Recorder

WETA: Wireless Video System (WVS) External Transceiver Assembly

WLE: Wing Leading Edge Z1: Zenith One Truss