NASA TELEVISION SCHEDULE STS-130 / ISS 20A TRANQUILITY NODE 3 / CUPOLA REV L 02/18/10

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 3:14am CT (4:14am ET) on Monday, February 8th, 2010. An asterisk (*) denotes changes made to the previous revision to the television schedule.

<u>ORBIT</u>	<u>SUBJECT</u>	SITE		<u>MET</u>	<u>CST</u>	<u>EST</u>	<u>GMT</u>		
THURSDAY, FEBRUARY 18									
FD 11 / FD 12									
168	ENDEAVOUR / ISS TRANSFERS RESUME		10/	14:35	05:49 PM	06:49 PM	23:49		
170	JOINT CREW NEWS CONFERENCE	ISS Ku	10/	17:25	08:39 PM	09:39 PM	02:39		
170	* JOINT CREW NEWS CONFERENCE REPLAY WITH ENGLISH INTERPRETATION	JSC	10/	18:31	09:45 PM	10:45 PM	03:45		
171	* ENDEAVOUR/ISS CREW RIBBON CUTTING CEREMON FOR TRANQUILITY AND CUPOLA	ΙΥ	10/	19:25	10:39 PM	11:39 PM	04:39		
FRIDAY, FEBRUARY 19									
FD 12 / FD 13									
172	* RENDEZVOUS TOOLS CHECKOUT		10/	21:00	12:14 AM	01:14 AM	06:14		
173	MISSION STATUS BRIEFING	JSC	10/	21:46	01:00 AM	02:00 AM	07:00		
173	ENDEAVOUR / ISS FAREWELL AND HATCH CLOSURE		10/	22:20	01:34 AM	02:34 AM	07:34		
174	* CENTERLINE CAMERA INSTALLATION		10/	23:05	02:19 AM	03:19 AM	08:19		

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176	ISS CREW SLEEP BEGINS		11/	02:30	05:44 AM	06:44 AM	11:44		
176	ENDEAVOUR CREW SLEEP BEGINS		11/	03:00	06:14 AM	07:14 AM	12:14		
177	FLIGHT DAY 12 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	11/	03:46	07:00 AM	08:00 AM	13:00		
178	HIGH DEFINITION FLIGHT DAY 12 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 3:00pm CT and 4:00pm CT)	JSC	11/	05:46	09:00 AM	10:00 AM	15:00		
179	VIDEO FILE	HQ	11/	07:46	11:00 AM	12:00 PM	17:00		
182	ENDEAVOUR / ISS CREW WAKE UP (begins FD 13)		11/	11:00	02:14 PM	03:14 PM	20:14		
185	ENDEAVOUR UNDOCKS FROM ISS		11/	15:40	06:54 PM	07:54 PM	00:54		
185	ENDEAVOUR FLYAROUND OF ISS BEGINS		11/	16:05	07:19 PM	08:19 PM	01:19		
186	ENDEAVOUR FINAL SEPARATION FROM ISS		11/	17:23	08:37 PM	09:37 PM	02:37		
186	SHUTTLE VTR PLAYBACK OF UNDOCKING		11/	18:20	09:34 PM	10:34 PM	03:34		
187	RMS / OBSS LATE INSPECTION OF ENDEAVOUR'S TPS BEGINS		11/	20:05	11:19 PM	12:19 AM	05:19		
SATURDAY, FEBRUARY 20 FD 13 / FD 14									
188	MISSION STATUS BRIEFING	JSC	11/	21:16	12:30 AM	01:30 AM	06:30		
192		JSC	12/			07:14 AM	12:14		
192	ENDEAVOUR CREW SLEEP BEGINS		12/	03:00	06:14 AM	07:14 AW	12:14		
192	FLIGHT DAY 13 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	12/	03:46	07:00 AM	08:00 AM	13:00		
194	HIGH DEFINITION FLIGHT DAY 13 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 2:00pm CT and 3:00pm CT)	JSC	12/	05:46	09:00 AM	10:00 AM	15:00		
197	ENDEAVOUR CREW WAKE UP (begins FD 14)		12/	11:00	02:14 PM	03:14 PM	20:14		

<u>ORBIT</u> 198	<u>SUBJECT</u> POST-MMT BRIEFING	SITE JSC	12/	<u>MET</u> 12:16	<u>CST</u> 03:30 PM	<u>EST</u> 04:30 PM	<u>GMT</u> 21:30	
199	OBSS BERTH		12/	13:00	04:14 PM	05:14 PM	22:14	
199	CABIN STOWAGE BEGINS		12/	14:05	05:19 PM	06:19 PM	23:19	
200	FCS CHECKOUT		12/	15:40	06:54 PM	07:54 PM	00:54	
201	RCS HOT-FIRE TEST		12/	16:50	08:04 PM	09:04 PM	02:04	
202	* ABC NEWS/ CNN NEWS / CNN ESPANOL/ UNIVISION INTERVIEWS	TDRE	12/	17:35	08:49 PM	09:49 PM	02:49	
SUNDAY, FEBRUARY 21 FD 14 / FD 15								
204	MISSION STATUS BRIEFING	JSC	12/	21:16	12:30 AM	01:30 AM	06:30	
204		JSC	12/	22:30	01:44 AM	01.30 AM 02:44 AM	06.30	
	KU-BAND ANTENNA STOWAGE							
205	ORBITAL ADJUST BURN		12/	22:51	02:05 AM	03:05 AM	08:05	
207	ENDEAVOUR CREW SLEEP BEGINS		13/	02:00	05:14 AM	06:14 AM	11:14	
208	FLIGHT DAY 14 HIGHLIGHTS (replayed on the hour durin crew sleep)	^g JSC	13/	02:46	06:00 AM	07:00 AM	12:00	
209	HIGH DEFINITION FLIGHT DAY 14 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 2:00pm CT and 3:00pm CT)	JSC	13/	04:46	08:00 AM	09:00 AM	14:00	
212	ENDEAVOUR CREW WAKE UP (begins FD 15)		13/	10:00	01:14 PM	02:14 PM	19:14	
214	DEORBIT PREPARATIONS BEGIN		13/	13:00	04:14 PM	05:14 PM	22:14	
215	* PAYLOAD BAY DOOR CLOSING		13/	14:19	05:33 PM	06:33 PM	23:33	
217	* ENDEAVOUR DEORBIT BURN		13/	16:59	08:13 PM	09:13 PM	02:13	
218	* MILA C-BAND RADAR ACQUISITION OF ENDEAVOUR		13/	17:49	09:03 PM	10:03 PM	03:03	
218	* KSC LANDING	KSC	13/	18:02	09:16 PM	10:16 PM	03:16	
	POST-LANDING NEWS CONFERENCE	KSC			NET L+2 HRS.			

<u>ORBIT</u>	<u>SUBJECT</u> MO	<u>SITE</u> NDAY, FEBRUA	<u>MET</u> ARY 22	<u>CST</u>	<u>EST</u>	<u>GMT</u>
		FD 15				
	ENTRY FLIGHT CONTROL TEAM VIDEO REPLAY (replayed after Post-Landing News Conference)	JSC		~ L+3 HRS.		
	STS-130 MISSION HIGHLIGHTS VIDEO REPLAY (replayed after Entry Flight Control Team Video)	JSC		~ L+3.5 HRS.		
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<u>ORBIT</u> <u>SUBJECT</u> <u>SITE</u> <u>MET</u> <u>CST</u> <u>EST</u> <u>GMT</u>

DEFINITION OF TERMS

AMC: Americom Satellite

ARED: Advanced Resistive Exercise Device on ISS

ARS: Air Revitalization System

CETA: Crew Equipment & Translation Aid

CST: Central Standard Time
Destiny: U.S. Laboratory on ISS

ECLSS: Environmental Control and Life Support Systems

EMU: Extravehicular Mobility Unit EST: Eastern Standard Time EVA: Extravehicular Activity FCS: Flight Control System

FD: Flight Day

GMT: Greenwich Mean Time

Harmony: Node 2

HD: High Definition Television
HQ: NASA Headquarters
ISP: Integrated Stowage Platform
ISS: International Space Station
JSC: Johnson Space Center

KSC: Kennedy Space Center
L: Launch or Landing time

LIMO: Live Interview Media Outlet channel

LTA: Launch-to-Activation 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

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

P1: Port One truss on ISS PAO: Public Affairs office

PMA 3: Pressurized Mating Adapter 3 on ISS

RCS: Reaction Control System

RMS: Remote Manipulator System on Endeavour

RPM: Rendezvous Pitch Maneuver

SPDM: Special Purpose Dextrous Manipulator (Dextre)

SSRMS: Space Station Remote Manipulator System (Canadarm2 ISS Robotic Arm)

SUBJECT SITE MET <u>CST</u> <u>EST</u> GMT

ORBIT STS:

Space Transportation System
Terminal Initiation Rendezvous Maneuver

TI: TDRE, W: Tracking and Data Relay Satellite, East and West Longitudes

TPS: Thermal Protection System

Node 3 on ISS Tranquility: Node 1 on ISS Unity: Videotape Recorder VTŔ: WLE: Wing Leading Edge

Water Processing Assembly on ISS Water Recovery System on ISS WPA: WRS: