
 NASA TELEVISION SCHEDULE
 STS-133
 ISS UTILIZATION LOGISTICS FLIGHT 5 / PERMANENT MULTI-PURPOSE MODULE (PMM)
 REV G
 3/3/11

NASA TV (Public, Education, Media Channels and 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/shuttle/tv>
 Launch occurred at 3:53pm CT (4:53pm ET) on Thursday, February 24th, 2011.
 An asterisk (*) denotes changes made to the previous revision to the television schedule.

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CST</u>	<u>EST</u>	<u>GMT</u>
THURSDAY, MARCH 3						
FD 7 / FD 8						
104	* DISCOVERY / ISS CREW WAKE UP (begins FD 8)		06/ 12:12	04:05 AM	05:05 AM	10:05
106	CNN / WTTG-TV / WTSP-TV / KNBC-TV LIVE INTERVIEWS	ISS Ku	06/ 15:15	07:08 AM	08:08 AM	13:08
106	DISCOVERY / ISS TRANSFERS RESUME		06/ 15:40	07:33 AM	08:33 AM	13:33
107	MSNBC / WXIA-TV / FOX NEWS RADIO LIVE INTERVIEWS	ISS Ku	06/ 17:40	09:33 AM	10:33 AM	15:33
108	VIDEO FILE	HQ	06/ 19:07	11:00 AM	12:00 PM	17:00
108	DISCOVERY CREW OFF DUTY PERIOD		06/ 19:10	11:03 AM	12:03 PM	17:03
109	STS-133 SOLID ROCKET BOOSTER VIDEO	JSC	06/ 20:07	12:00 PM	01:00 PM	18:00
110	STS-133 SOLID ROCKET BOOSTER VIDEO REPLAY	JSC	06/ 23:07	03:00 PM	04:00 PM	21:00
112	* CALL TO THE DISCOVERY / ISS CREWS BY PRESIDENT BARACK OBAMA	ISS Ku	07/ 00:10	04:03 PM	05:03 PM	22:03

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112	MISSION STATUS BRIEFING	JSC	07/ 01:07	05:00 PM	06:00 PM	23:00
112	STS-133 SOLID ROCKET BOOSTER VIDEO REPLAY	JSC	07/ 01:37	05:30 PM	06:30 PM	23:30
114	ISS CREW SLEEP BEGINS		07/ 03:00	06:53 PM	07:53 PM	00:53
114	DISCOVERY CREW SLEEP BEGINS		07/ 03:30	07:23 PM	08:23 PM	01:23
114	FLIGHT DAY 8 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	07/ 04:07	08:00 PM	09:00 PM	02:00
FRIDAY, MARCH 4						
FD 8 / FD 9						
117	ISS FLIGHT DIRECTOR UPDATE	JSC	07/ 08:52	12:45 AM	01:45 AM	06:45
119	GLORY/TAURUS LAUNCH COVERAGE (Public and HD Channels only through 4:30am CT; launch scheduled at 4:09am CT; STS-133 mission coverage continues on the Media Channel only through 4:30am CT; then resumes on all channels)	VAFB	07/ 10:37	02:30 AM	03:30 AM	08:30
119	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	07/ 10:52	02:45 AM	03:45 AM	08:45
119	DISCOVERY / ISS CREW WAKE UP (begins FD 9)		07/ 11:30	03:23 AM	04:23 AM	09:23
121	U.S. PAO EDUCATIONAL EVENT	ISS Ku	07/ 14:15	06:08 AM	07:08 AM	12:08
121	PMM OUTFITTING BEGINS		07/ 14:40	06:33 AM	07:33 AM	12:33
123	JOINT CREW NEWS CONFERENCE	ISS Ku	07/ 17:55	09:48 AM	10:48 AM	15:48
124	INTERPRETED REPLAY OF JOINT CREW NEWS CONFERENCE	JSC	07/ 19:07	11:00 AM	12:00 PM	17:00
125	* PMM OUTFITTING CONTINUES		07/ 20:00	11:53 AM	12:53 PM	17:53
125	VIDEO FILE	HQ	07/ 20:07	12:00 PM	01:00 PM	18:00
129	MISSION STATUS BRIEFING	JSC	07/ 01:07	05:00 PM	06:00 PM	23:00

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129	ISS CREW SLEEP BEGINS			08/ 02:00	05:53 PM	06:53 PM	23:53
129	DISCOVERY CREW SLEEP BEGINS			08/ 02:30	06:23 PM	07:23 PM	00:23
129	FLIGHT DAY 9 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC		08/ 03:07	07:00 PM	08:00 PM	01:00

SATURDAY, MARCH 5

FD 10

133	ISS FLIGHT DIRECTOR UPDATE	JSC		08/ 08:52	12:45 AM	01:45 AM	06:45
132	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC		08/ 10:07	02:00 AM	03:00 AM	08:00
134	DISCOVERY / ISS CREW WAKE UP (begins FD 10)			08/ 10:30	02:23 AM	03:23 AM	08:23
136	* DISCOVERY / ISS TRANSFERS RESUME			08/ 13:40	05:33 AM	06:33 AM	11:33
139	DISCOVERY CREW OFF-DUTY PERIOD			08/ 17:50	09:43 AM	10:43 AM	15:43
141	RENDEZVOUS TOOL CHECKOUT			08/ 20:35	12:28 PM	01:28 PM	18:28
142	MISSION STATUS BRIEFING	JSC		08/ 20:37	12:30 PM	01:30 PM	18:30
142	DISCOVERY / ISS FAREWELL AND HATCH CLOSURE			08/ 22:05	01:58 PM	02:58 PM	19:58
142	CENTERLINE CAMERA INSTALLATION			08/ 23:05	02:58 PM	03:58 PM	20:58
144	ISS CREW SLEEP BEGINS			09/ 01:30	05:23 PM	06:23 PM	23:23
144	DISCOVERY CREW SLEEP BEGINS			09/ 02:00	05:53 PM	06:53 PM	23:53
145	FLIGHT DAY 10 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC		09/ 02:07	06:00 PM	07:00 PM	00:00

SUNDAY, MARCH 6

FD 11

150	DISCOVERY / ISS CREW WAKE UP (begins FD 11)			09/ 10:00	01:53 AM	02:53 AM	07:53
152	DISCOVERY UNDOCKS FROM ISS			09/ 13:45	05:38 AM	06:38 AM	11:38
152	DISCOVERY FLYAROUND OF ISS BEGINS			09/ 14:15	06:08 AM	07:08 AM	12:08

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153	DISCOVERY FINAL SEPARATION FROM ISS		09/ 15:28	07:21 AM	08:21 AM	13:21
154	SHUTTLE VTR PLAYBACK OF UNDOCKING		09/ 17:05	08:58 AM	09:58 AM	14:58
155	RMS/OBSS LATE INSPECTION OF DISCOVERY'S TPS		09/ 18:00	09:53 AM	10:53 AM	15:53
157	MISSION STATUS BRIEFING	JSC	09/ 20:37	12:30 PM	01:30 PM	18:30
158	OBSS BERTH		09/ 22:20	02:13 PM	03:13 PM	20:13
158	MMT BRIEFING	JSC	09/ 23:07	03:00 PM	04:00 PM	21:00
160	DISCOVERY CREW SLEEP BEGINS		10/ 02:00	05:53 PM	06:53 PM	23:53
160	FLIGHT DAY 11 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	10/ 02:07	06:00 PM	07:00 PM	00:00
MONDAY, MARCH 7						
FD 12						
165	DISCOVERY CREW WAKE UP (begins FD 12) ("Theme from Star Trek" by Alexander Courage)		10/ 10:00	01:53 AM	02:53 AM	07:53
167	FCS CHECKOUT		10/ 13:00	04:53 AM	05:53 AM	10:53
167	CABIN STOWAGE BEGINS		10/ 13:05	04:58 AM	05:58 AM	10:58
168	RCS HOT-FIRE TEST		10/ 14:10	06:03 AM	07:03 AM	12:03
171	ABC NEWS / CBS NEWS / ASSOCIATED PRESS LIVE INTERVIEWS	TDRE	10/ 18:00	09:53 AM	10:53 AM	15:53
171	DISCOVERY CREW TRIBUTE EVENT	TDRE	10/ 18:45	10:38 AM	11:38 AM	16:38
173	MISSION STATUS BRIEFING	JSC	10/ 21:07	01:00 PM	02:00 PM	19:00
174	* KU-BAND ANTENNA STOWAGE		10/ 23:00	02:53 PM	03:53 PM	20:53
176	DISCOVERY CREW SLEEP BEGINS		11/ 02:00	05:53 PM	06:53 PM	23:53
176	FLIGHT DAY 12 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	11/ 02:07	06:00 PM	07:00 PM	00:00

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TUESDAY, MARCH 8						
FD 13						
181	DISCOVERY CREW WAKE UP (begins FD 13) ("Blue Sky" by Big Head Todd and the Monsters)		11/ 10:00	01:53 AM	02:53 AM	07:53
183	DISCOVERY DEORBIT PREPARATIONS BEGIN		11/ 13:40	05:33 AM	06:33 AM	11:33
184	* PAYLOAD BAY DOOR CLOSING		11/ 15:01	06:54 AM	07:54 AM	12:54
186	* DISCOVERY DEORBIT BURN		11/ 17:41	09:34 AM	10:34 AM	15:34
187	* MILA C-BAND RADAR ACQUISITION OF DISCOVERY		11/ 18:31	10:24 AM	11:24 AM	16:24
187	* KSC LANDING	KSC	11/ 18:44	10:37 AM	11:37 AM	16:37
	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-133 MISSION HIGHLIGHTS VIDEO REPLAY (replayed after Entry Flight Control Team Video)	JSC		~ L+3.5 HRS.		
	STS-133 CREW NEWS CONFERENCE (may be postponed or cancelled)	KSC		NET L+4.5 HRS.		

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STBD:	Starboard					
STS:	Space Transportation System					
TI:	Terminal Initiation Rendezvous Maneuver					
TDRE, W:	Tracking and Data Relay Satellite, East and West Longitudes					
TPS:	Thermal Protection System					
Unity:	Connecting Node 1 on International Space Station					
VAFB:	Vandenberg Air Force Base					
VTR:	Videotape Recorder					