
 NASA TELEVISION SCHEDULE
 STS-135
 ISS UTILIZATION LOGISTICS FLIGHT 7 / MPLM "RAFFAELLO"
 REV L
 07/18/11

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/shuttletv>
 Launch occurred at 10:29am CT (11:29am ET) on Friday, July 8th, 2011.
 An asterisk (*) denotes changes made to the previous revision to the television schedule.

ORBIT	SUBJECT	SITE	MET	CDT	EDT	GMT
TUESDAY, JULY 19						
FD 12 / FD 13						
167	ATLANTIS UNDOCKS FROM ISS		10/ 14:59	01:28 AM	02:28 AM	06:28
168	ATLANTIS FLYAROUND OF ISS BEGINS		10/ 15:58	02:27 AM	03:27 AM	07:27
168	ATLANTIS FINAL SEPARATION FROM ISS		10/ 16:49	03:18 AM	04:18 AM	08:18
170	* RMS / OBSS LATE INSPECTION OF ATLANTIS' TPS		10/ 18:50	05:19 AM	06:19 AM	10:19
170	MISSION STATUS BRIEFING	JSC	10/ 20:01	06:30 AM	07:30 AM	11:30
173	* OBSS BERTH		10/ 23:05	09:34 AM	10:34 AM	14:34
173	* VIDEO FILE	HQ	11/ 00:31	11:00 AM	12:00 PM	16:00
174	MMT BRIEFING	JSC	11/ 01:31	12:00 PM	01:00 PM	17:00
175	ATLANTIS CREW SLEEP BEGINS		11/ 02:30	12:59 PM	01:59 PM	17:59
175	* STS-135 ASCENT IMAGERY HIGHLIGHTS	JSC	11/ 02:31	01:00 PM	02:00 PM	18:00

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175	FLIGHT DAY 12 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	11/ 03:31	02:00 PM	03:00 PM	19:00
177	* STS-135 ASCENT IMAGERY HIGHLIGHTS REPLAY	JSC	11/ 06:11	04:40 PM	05:40 PM	21:40
177	"THE SPACE SHUTTLE" NARRATED BY WILLIAM SHATNER (Media Channel only)	JSC	11/ 06:46	05:15 PM	06:15 PM	22:15
177	NASA CELEBRATES "SPIRIT" (Public and Education Channels only)	JPL	11/ 06:46	05:15 PM	06:15 PM	22:15
180	ATLANTIS CREW WAKE UP (begins FD 13)		11/ 10:30	08:59 PM	09:59 PM	01:59
181	* STS-135 ASCENT IMAGERY HIGHLIGHTS REPLAY	JSC	11/ 11:31	10:00 PM	11:00 PM	03:00
WEDNESDAY, JULY 20						
FD 13						
182	CABIN STOWAGE BEGINS		11/ 13:45	12:14 AM	01:14 AM	05:14
183	FCS CHECKOUT		11/ 14:45	01:14 AM	02:14 AM	06:14
183	PICOSAT DEPLOYMENT		11/ 16:25	02:54 AM	03:54 AM	07:54
184	RCS HOT-FIRE TEST		11/ 16:35	03:04 AM	04:04 AM	08:04
184	ABC News / CBS News / CNN / FOX News / NBC News LIVE INTERVIEWS	TDRE	11/ 17:15	03:44 AM	04:44 AM	08:44
186	SHUTTLE VTR PLAYBACK OF UNDOCKING		11/ 20:30	06:59 AM	07:59 AM	11:59
186	MISSION STATUS BRIEFING	JSC	11/ 20:31	07:00 AM	08:00 AM	12:00
188	* STS-135 ASCENT IMAGERY HIGHLIGHTS REPLAY	JSC	11/ 22:31	09:00 AM	10:00 AM	14:00
188	* STS-135 ASCENT IMAGERY HIGHLIGHTS REPLAY	JSC	11/ 23:31	10:00 AM	11:00 AM	15:00
189	VIDEO FILE	HQ	12/ 00:31	11:00 AM	12:00 PM	16:00
189	KU-BAND ANTENNA STOWAGE		12/ 00:10	10:39 AM	11:39 AM	15:39
190	ATLANTIS CREW SLEEP BEGINS		12/ 02:30	12:59 PM	01:59 PM	17:59

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191	"LAUNCHING OUR DREAMS" VIDEO FEATURE PLAYBACK	JSC	12/	03:31	02:00 PM	03:00 PM	19:00
192	FLIGHT DAY 13 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	12/	04:31	03:00 PM	04:00 PM	20:00
196	ATLANTIS CREW WAKE UP (begins FD 14)		12/	10:30	08:59 PM	09:59 PM	01:59
197	ATLANTIS DEORBIT PREPARATIONS BEGIN		12/	13:25	11:54 PM	12:54 AM	04:54

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THURSDAY, JULY 21						
FD 14						
198	* PAYLOAD BAY DOOR CLOSING		12/ 14:39	01:08 AM	02:08 AM	06:08
200	* ATLANTIS DEORBIT BURN 1st OPPORTUNITY		12/ 17:19	03:48 AM	04:48 AM	08:48
200	* MILA C-BAND RADAR ACQUISITION OF ATLANTIS 1st OPPORTUNITY		12/ 18:14	04:43 AM	05:43 AM	09:43
200	* KSC LANDING 1st OPPORTUNITY	KSC	12/ 18:27	04:56 AM	05:56 AM	09:56
200	* ATLANTIS DEORBIT BURN 2ND KSC OPPORTUNITY		12/ 18:56	05:25 AM	06:25 AM	10:25
201	* MILA C-BAND RADAR ACQUISITION OF ATLANTIS 2nd KSC OPPORTUNITY		12/ 19:50	06:19 AM	07:19 AM	11:19
201	* KSC LANDING 2nd OPPORTUNITY	KSC	12/ 20:03	06:32 AM	07:32 AM	11:32
	ENTRY FLIGHT DIRECTOR TONY CECCACCI SIGN-OFF TO FLIGHT CONTROL TEAM	JSC		~ L+45 MIN.		
	* STS-135 MISSION HIGHLIGHTS VIDEO REPLAY (replayed after Entry Flight Control Team Video)	JSC		~ L+2.5 HRS.		
	* ENTRY FLIGHT CONTROL TEAM VIDEO REPLAY (replayed after Post-Landing News Conference)	JSC		~ L+3.5 HRS.		
	* POST-LANDING NEWS CONFERENCE	KSC		NET L+4 HRS.		
	* ATLANTIS TOWBACK & EMPLOYEE APPRECIATION EVENT	KSC		NET L+5:45 HRS.		
	* STS-135 CREW NEWS CONFERENCE (may be postponed or cancelled)	KSC		NET L+6 HRS.		
	* STS-135 CREW REMARKS TO KSC EMPLOYEES AND NASA	KSC		NET L+6:30 HRS.		

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SRMS:	Shuttle Remote Manipulator System on ATLANTIS					
SSRMS:	Space Station Remote Manipulator System (Canadarm2 ISS Robotic Arm)					
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					
VTR:	Videotape Recorder					
ZSR:	Zero-G Stowage Rack					