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 NASA TELEVISION SCHEDULE  
 STS-133  
 ISS UTILIZATION LOGISTICS FLIGHT 5 / PERMANENT MULTI-PURPOSE MODULE (PMM)  
 REV C  
 11/04/10  
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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>

ORBIT	SUBJECT	SITE	MET	CDT	EDT	GMT
<b>FRIDAY, NOVEMBER 5</b>						
<b>FD 1</b>						
	STS-133 FUELING COVERAGE BEGINS	KSC		4:30 AM	5:30 AM	9:30
	STS-133 LAUNCH COVERAGE BEGINS	KSC		8:30 AM	9:30 AM	13:30
	LAUNCH	KSC	00/ 00:00	02:04 PM	03:04 PM	19:04
	MECO		00/ 00:08	02:12 PM	03:12 PM	19:12
1	NASA TELEVISION ORIGINATION SWITCHED TO JSC	JSC	00/ 00:10	02:14 PM	03:14 PM	19:14
1	NASA TELEVISION ORIGINATION SWITCHED TO KSC	KSC	00/ 00:13	02:17 PM	03:17 PM	19:17
1	LAUNCH REPLAYS (approx. 5 min. after MECO) T=30:00	KSC	00/ 00:13	02:17 PM	03:17 PM	19:17
1	POST LAUNCH NEWS CONFERENCE	KSC	00/ 00:56	03:00 PM	04:00 PM	20:00
2	PAYLOAD BAY DOOR OPENING (may not be televised live)		00/ 01:25	03:29 PM	04:29 PM	20:29
3	ASCENT FLIGHT CONTROL TEAM VIDEO REPLAY	JSC	00/ 02:56	05:00 PM	06:00 PM	22:00
3	RMS CHECKOUT		00/ 04:10	06:14 PM	07:14 PM	23:14
4	EXTERNAL TANK HANDHELD VIDEO DOWNLINK		00/ 04:30	06:34 PM	07:34 PM	23:34

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
5	DISCOVERY CREW SLEEP BEGINS		00/ 06:00	08:04 PM	09:04 PM	01:04
5	FLIGHT DAY 1 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	00/ 06:56	09:00 PM	10:00 PM	02:00
<b>SATURDAY, NOVEMBER 6</b>						
<b>FD 2</b>						
10	DISCOVERY CREW WAKE UP (begins FD 2)		00/ 14:00	04:04 AM	05:04 AM	09:04
12	OBSS UNBERTH		00/ 16:35	06:39 AM	07:39 AM	11:39
13	RMS/OBSS SURVEY OF DISCOVERY'S TPS BEGINS		00/ 17:50	07:54 AM	08:54 AM	12:54
15	EMU CHECKOUT		00/ 22:05	12:09 PM	01:09 PM	17:09
16	MISSION STATUS BRIEFING	JSC	00/ 22:56	01:00 PM	02:00 PM	18:00
16	OBSS BERTH		00/ 23:35	01:39 PM	02:39 PM	18:39
17	CENTERLINE CAMERA INSTALLATION		01/ 00:40	02:44 PM	03:44 PM	19:44
16	MMT BRIEFING	JSC	01/ 00:56	03:00 PM	04:00 PM	20:00
18	ODS RING EXTENSION		01/ 01:10	03:14 PM	04:14 PM	20:14
18	RENDEZVOUS TOOLS CHECKOUT		01/ 01:30	03:34 PM	04:34 PM	20:34
20	DISCOVERY CREW SLEEP BEGINS		01/ 05:30	07:34 PM	08:34 PM	00:34
21	FLIGHT DAY 2 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	01/ 05:56	08:00 PM	09:00 PM	01:00
<b>SUNDAY, NOVEMBER 7</b>						
<b>FD 3</b>						
<b>STANDARD TIME BEGINS</b>						
			<b>MET</b>	<b>CST</b>	<b>EST</b>	<b>GMT</b>
25	DISCOVERY CREW WAKE UP (begins FD 3)		01/ 13:30	02:34 AM	03:34 AM	08:34
26	RENDEZVOUS OPERATIONS BEGIN		01/ 15:10	04:14 AM	05:14 AM	10:14
28	TI BURN		01/ 18:04	07:08 AM	08:08 AM	13:08

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CST</u>	<u>EST</u>	<u>GMT</u>
29	DISCOVERY RPM / ISS CREW VIDEO DOCUMENTATION BEGINS		01/ 19:40	08:44 AM	09:44 AM	14:44
30	DISCOVERY / ISS DOCKING (may not be televised live)		01/ 20:51	09:55 AM	10:55 AM	15:55
31	SHUTTLE VTR PLAYBACK OF DOCKING		01/ 22:30	11:34 AM	12:34 PM	17:34
32	DISCOVERY / ISS CREW HATCH OPENING AND WELCOME CEREMONY		01/ 22:50	11:54 AM	12:54 PM	17:54
32	SSRMS GRAPPLE & UNBERTH ELC-4 FROM		01/ 23:25	12:29 PM	01:29 PM	18:29
32	MISSION STATUS BRIEFING	JSC	02/ 23:26	12:30 PM	01:30 PM	18:30
33	SSRMS HANDOFF ELC-4 TO SRMS		02/ 00:25	01:29 PM	02:29 PM	19:29
33	MMT BRIEFING	JSC	02/ 01:56	03:00 PM	04:00 PM	21:00
33	SSRMS BASE CHANGE		02/ 01:10	02:14 PM	03:14 PM	20:14
34	SRMS HANDOFF ELC-4 TO SSRMS		02/ 01:40	02:44 PM	03:44 PM	20:44
34	SSRMS INSTALLS ELC-4 ON S3 TRUSS		02/ 02:15	03:19 PM	04:19 PM	21:19
36	ISS CREW SLEEP BEGINS		02/ 05:00	06:04 PM	07:04 PM	00:04
36	DISCOVERY CREW SLEEP BEGINS		02/ 05:30	06:34 PM	07:34 PM	00:34
36	FLIGHT DAY 3 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	02/ 05:56	07:00 PM	08:00 PM	01:00

**MONDAY, NOVEMBER 8**

**FD 3/ FD 4**

40	ISS FLIGHT DIRECTOR UPDATE	JSC	02/ 11:56	01:00 AM	02:00 AM	07:00
41	DISCOVERY / ISS CREW WAKE UP (begins FD 4)		02/ 13:30	02:34 AM	03:34 AM	08:34
41	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	02/ 13:56	03:00 AM	04:00 AM	09:00
43	SSRMS GRAPPLES OBSS		02/ 16:30	05:34 AM	06:34 AM	11:34
43	DISCOVERY / ISS TRANSFERS BEGIN		02/ 16:35	05:39 AM	06:39 AM	11:39

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CST</u>	<u>EST</u>	<u>GMT</u>
44	SSRMS HANDOFF OF OBSS TO SRMS		02/ 17:55	06:59 AM	07:59 AM	12:59
45	MISSION STATUS BRIEFING	JSC	02/ 19:26	08:30 AM	09:30 AM	14:30
48	U.S. PAO EVENT	ISS Ku	03/ 00:25	01:29 PM	02:29 PM	19:29
49	EVA # 1 PROCEDURE REVIEW		03/ 00:50	01:54 PM	02:54 PM	19:54
49	VIDEO FILE	HQ	03/ 00:56	02:00 PM	03:00 PM	20:00
49	MMT BRIEFING	JSC	03/ 01:56	03:00 PM	04:00 PM	21:00
50	EVA # 1 CAMPOUT BEGINS (Kopra and Drew)		03/ 03:25	04:29 PM	05:29 PM	22:29
51	ISS CREW SLEEP BEGINS		03/ 04:30	05:34 PM	06:34 PM	23:34
51	DISCOVERY CREW SLEEP BEGINS		03/ 05:00	06:04 PM	07:04 PM	00:04
52	FLIGHT DAY 4 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	03/ 05:56	07:00 PM	08:00 PM	01:00

**TUESDAY, NOVEMBER 9**

**FD 4 / FD 5**

56	ISS FLIGHT DIRECTOR UPDATE	JSC	03/ 10:56	12:00 AM	01:00 AM	06:00
56	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	03/ 12:26	01:30 AM	02:30 AM	07:30
57	DISCOVERY / ISS CREW WAKE UP (begins FD 5)		03/ 13:00	02:04 AM	03:04 AM	08:04
57	EVA # 1 PREPARATIONS RESUME		03/ 13:40	02:44 AM	03:44 AM	08:44
59	DISCOVERY / ISS TRANSFERS RESUME		03/ 17:05	06:09 AM	07:09 AM	12:09
60	EVA # 1 BEGINS (Kopra and Drew)		03/ 17:55	06:59 AM	07:59 AM	12:59
60	J612 CABLE INSTALLATION ON NODE 1		03/ 18:25	07:29 AM	08:29 AM	13:29
61	FAILED PUMP MODULE TRANSFER FROM MBS POA TO ESP-2		03/ 19:25	08:29 AM	09:29 AM	14:29
63	CPM CAMERA WEDGE INSTALLATION		03/ 21:55	10:59 AM	11:59 AM	16:59
63	STARBOARD CETA RAIL BOARD INSTALLATION		03/ 22:55	11:59 AM	12:59 PM	17:59

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CST</u>	<u>EST</u>	<u>GMT</u>
64	JAXA "MESSAGE IN A BOTTLE" SPACE SAMPLE CAPTURE		03/ 23:40	12:44 PM	01:44 PM	18:44
64	EVA #1 ENDS		04/ 00:25	01:29 PM	02:29 PM	19:29
65	VIDEO FILE	HQ	04/ 01:56	03:00 PM	04:00 PM	21:00
66	MISSION STATUS BRIEFING	JSC	04/ 02:56	04:00 PM	05:00 PM	22:00
66	ISS CREW SLEEP BEGINS		04/ 04:00	05:04 PM	06:04 PM	23:04
67	DISCOVERY CREW SLEEP BEGINS		04/ 04:30	05:34 PM	06:34 PM	23:34
67	FLIGHT DAY 5 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	04/ 04:56	06:00 PM	07:00 PM	00:00

**WEDNESDAY, NOVEMBER 10**

**FD 5 / FD 6**

71	ISS FLIGHT DIRECTOR UPDATE	JSC	04/ 10:56	12:00 AM	01:00 AM	06:00
72	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	04/ 11:56	01:00 AM	02:00 AM	07:00
72	DISCOVERY / ISS CREW WAKE UP (begins FD 6)		04/ 12:30	01:34 AM	02:34 AM	07:34
74	SSRMS GRAPPLE OF PMM		04/ 14:45	03:49 AM	04:49 AM	09:49
74	PMM UNBERTH		04/ 15:20	04:24 AM	05:24 AM	10:24
75	PMM INSTALLATION BEGINS ON UNITY NADIR PORT		04/ 16:25	05:29 AM	06:29 AM	11:29
75	PMM INSTALLATION COMPLETE		04/ 17:15	06:19 AM	07:19 AM	12:19
76	MISSION STATUS BRIEFING	JSC	04/ 18:56	08:00 AM	09:00 AM	14:00
77	OBSS FOCUSED INSPECTION OF DISCOVERY'S TPS (if required)		04/ 19:45	08:49 AM	09:49 AM	14:49
79	EVA # 2 PROCEDURE REVIEW		04/ 23:00	12:04 PM	01:04 PM	18:04
80	U.S. PAO EVENT	ISS Ku	05/ 00:15	01:19 PM	02:19 PM	19:19
81	VIDEO FILE	HQ	05/ 00:56	02:00 PM	03:00 PM	20:00

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CST</u>	<u>EST</u>	<u>GMT</u>
81	EVA # 2 CAMPOUT BEGINS (Kopra and Drew)		05/ 02:25	03:29 PM	04:29 PM	21:29
82	ISS CREW SLEEP BEGINS		05/ 03:30	04:34 PM	05:34 PM	22:34
82	DISCOVERY CREW SLEEP BEGINS		05/ 04:00	05:04 PM	06:04 PM	23:04
83	FLIGHT DAY 6 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	05/ 04:56	06:00 PM	07:00 PM	00:00
<b>THURSDAY, NOVEMBER 11</b>						
<b>FD 6 / FD 7</b>						
86	ISS FLIGHT DIRECTOR UPDATE	JSC	05/ 10:56	12:00 AM	01:00 AM	06:00
88	DISCOVERY / ISS CREW WAKE UP (begins FD 7)		05/ 12:00	01:04 AM	02:04 AM	07:04
88	EVA # 2 PREPARATIONS RESUME		05/ 12:40	01:44 AM	02:44 AM	07:44
89	PMM VESTIBULE PREPARATION FOR INGRESS		05/ 14:10	03:14 AM	04:14 AM	09:14
91	EVA # 2 BEGINS (Kopra and Drew)		05/ 16:55	05:59 AM	06:59 AM	11:59
91	LWAPA RETRIEVAL AND REPLACEMENT		05/ 17:55	06:59 AM	07:59 AM	12:59
92	ELC-4 THERMAL INSULATION REMOVAL		05/ 18:25	07:29 AM	08:29 AM	13:29
92	P3 CETA LIGHT INSTALLATION		05/ 19:15	08:19 AM	09:19 AM	14:19
92	PMM INGRESS		05/ 19:15	08:19 AM	09:19 AM	14:19
92	DEXTRE CAMERA LIGHT PAN AND TILT ASSEMBLY INSTALLATION		05/ 19:25	08:29 AM	09:29 AM	14:29
93	P1 RADIATOR TROUBLESHOOTING		05/ 20:45	09:49 AM	10:49 AM	15:49
94	TRANQUILITY THERMAL INSULATION REMOVAL		05/ 21:45	10:49 AM	11:49 AM	16:49
94	DEXTRE CAMERA COVER INSTALLATION		05/ 22:20	11:24 AM	12:24 PM	17:24
95	EVA# 2 ENDS		05/ 23:25	12:29 PM	01:29 PM	18:29
97	MISSION STATUS BRIEFING	JSC	06/ 01:56	03:00 PM	04:00 PM	21:00
97	ISS CREW SLEEP BEGINS		06/ 03:00	04:04 PM	05:04 PM	22:04

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CST</u>	<u>EST</u>	<u>GMT</u>
98	DISCOVERY CREW SLEEP BEGINS		06/ 03:30	04:34 PM	05:34 PM	22:34
98	FLIGHT DAY 7 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	06/ 03:56	05:00 PM	06:00 PM	23:00
102	ISS FLIGHT DIRECTOR UPDATE	JSC	06/ 09:56	11:00 PM	12:00 AM	05:00

**FRIDAY, NOVEMBER 12**

**FD 7 / FD 8**

102	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	06/ 10:56	12:00 AM	01:00 AM	06:00
103	DISCOVERY / ISS CREW WAKE UP (begins FD 8)		06/ 11:30	12:34 AM	01:34 AM	06:34
105	U.S. PAO EVENT	ISS Ku	06/ 14:30	03:34 AM	04:34 AM	09:34
105	DISCOVERY / ISS TRANSFERS RESUME		06/ 14:55	03:59 AM	04:59 AM	09:59
106	U.S. PAO EVENT	ISS Ku	06/ 16:50	05:54 AM	06:54 AM	11:54
108	DISCOVERY CREW OFF DUTY PERIOD		06/ 19:10	08:14 AM	09:14 AM	14:14
109	VIDEO FILE	HQ	06/ 21:56	11:00 AM	12:00 PM	17:00
112	MISSION STATUS BRIEFING	JSC	07/ 00:56	02:00 PM	03:00 PM	20:00
113	ISS CREW SLEEP BEGINS		07/ 02:30	03:34 PM	04:34 PM	21:34
113	DISCOVERY CREW SLEEP BEGINS		07/ 03:00	04:04 PM	05:04 PM	22:04
113	FLIGHT DAY 8 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	07/ 03:56	05:00 PM	06:00 PM	23:00
117	ISS FLIGHT DIRECTOR UPDATE	JSC	07/ 08:56	10:00 PM	11:00 PM	04:00
118	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	07/ 10:26	11:30 PM	12:30 AM	05:30

**SATURDAY, NOVEMBER 13**

**FD 9 / FD 10**

118	DISCOVERY / ISS CREW WAKE UP (begins FD 9)		07/ 11:00	12:04 AM	01:04 AM	06:04
120	U.S. PAO EDUCATIONAL EVENT	ISS Ku	07/ 13:25	02:29 AM	03:29 AM	08:29

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CST</u>	<u>EST</u>	<u>GMT</u>
122	JOINT CREW NEWS CONFERENCE	ISS Ku	07/ 16:55	05:59 AM	06:59 AM	11:59
124	INTERPRETED REPLAY OF JOINT CREW NEWS CONFERENCE	JSC	07/ 18:56	08:00 AM	09:00 AM	14:00
123	DISCOVERY CREW OFF DUTY PERIOD		07/ 19:00	08:04 AM	09:04 AM	14:04
125	MISSION STATUS BRIEFING	JSC	07/ 20:26	09:30 AM	10:30 AM	15:30
125	RENDEZVOUS TOOL CHECKOUT		07/ 21:30	10:34 AM	11:34 AM	16:34
126	FAREWELL AND HATCH CLOSURE		07/ 22:30	11:34 AM	12:34 PM	17:34
126	CENTERLINE CAMERA INSTALLATION		07/ 23:30	12:34 PM	01:34 PM	18:34
128	ISS CREW SLEEP BEGINS		08/ 02:00	03:04 PM	04:04 PM	21:04
128	DISCOVERY CREW SLEEP BEGINS		08/ 02:30	03:34 PM	04:34 PM	21:34
129	FLIGHT DAY 9 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	08/ 02:56	04:00 PM	05:00 PM	22:00
134	DISCOVERY / ISS CREW WAKE UP (begins FD 10)		08/ 10:30	11:34 PM	12:34 AM	05:34

**SUNDAY, NOVEMBER 14**

**FD 10 / FD 11**

136	DISCOVERY UNDOCKS FROM ISS		08/ 14:17	03:21 AM	04:21 AM	09:21
136	DISCOVERY FLYAROUND OF ISS BEGINS		08/ 14:47	03:51 AM	04:51 AM	09:51
137	DISCOVERY FINAL SEPARATION FROM ISS		08/ 16:00	05:04 AM	06:04 AM	11:04
138	SHUTTLE VTR PLAYBACK OF UNDOCKING		08/ 17:45	06:49 AM	07:49 AM	12:49
139	RMS/OBSS LATE INSPECTION OF DISCOVERY'S TPS		08/ 18:25	07:29 AM	08:29 AM	13:29
140	MISSION STATUS BRIEFING	JSC	08/ 20:26	09:30 AM	10:30 AM	15:30
142	OBSS BERTH		08/ 22:45	11:49 AM	12:49 PM	17:49
143	MMT BRIEFING	JSC	09/ 01:26	02:30 PM	03:30 PM	20:30



<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CST</u>	<u>EST</u>	<u>GMT</u>
144	DISCOVERY CREW SLEEP BEGINS		09/ 02:30	03:34 PM	04:34 PM	21:34
145	FLIGHT DAY 10 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	09/ 02:56	04:00 PM	05:00 PM	22:00
149	DISCOVERY CREW WAKE UP (begins FD 11)		09/ 10:30	11:34 PM	12:34 AM	05:34
<b>MONDAY, NOVEMBER 15</b>						
<b>FD 11</b>						
151	FCS CHECKOUT		09/ 13:15	02:19 AM	03:19 AM	08:19
151	CABIN STOWAGE BEGINS		09/ 13:35	02:39 AM	03:39 AM	08:39
152	RCS HOT-FIRE TEST		09/ 14:25	03:29 AM	04:29 AM	09:29
154	DISCOVERY U.S. PAO EVENT	TDRE	09/ 16:45	05:49 AM	06:49 AM	11:49
155	DISCOVERY TRIBUTE EVENT	TDRE	09/ 18:20	07:24 AM	08:24 AM	13:24
156	MISSION STATUS BRIEFING	JSC	09/ 20:56	10:00 AM	11:00 AM	16:00
158	KU-BAND ANTENNA STOWAGE		09/ 23:20	12:24 PM	01:24 PM	18:24
160	DISCOVERY CREW SLEEP BEGINS		10/ 02:30	03:34 PM	04:34 PM	21:34
161	FLIGHT DAY 11 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	10/ 02:56	04:00 PM	05:00 PM	22:00
165	DISCOVERY CREW WAKE UP (begins FD 12)		10/ 10:30	11:34 PM	12:34 AM	05:34

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CST</u>	<u>EST</u>	<u>GMT</u>
<b>TUESDAY, NOVEMBER 16</b>						
<b>FD 12</b>						
167	DISCOVERY DEORBIT PREPARATIONS BEGIN		10/ 13:55	02:59 AM	03:59 AM	08:59
168	PAYLOAD BAY DOOR CLOSING		10/ 15:29	04:33 AM	05:33 AM	10:33
170	DISCOVERY DEORBIT BURN		10/ 18:09	07:13 AM	08:13 AM	13:13
171	MILA C-BAND RADAR ACQUISITION OF DISCOVERY		10/ 18:59	08:03 AM	09:03 AM	14:03
171	KSC LANDING	KSC	10/ 19:12	08:16 AM	09:16 AM	14:16
	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.		

## DEFINITION OF TERMS

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AMC: Americom Satellite  
CDT: Central Daylight Time  
CETA: Crew and Equipment Translation Aid  
CLPA: Camera Light Pan Tilt Assembly  
Destiny: U.S. Laboratory on ISS  
ELC-4: Express Logistics Carrier #4  
EMU: Extravehicular Mobility Unit  
EOTP: Enhanced ORU Temporary Platform  
EDT: Eastern Daylight 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  
ISS: International Space Station  
JAXA: Japan Aerospace Exploration Agency  
JSC: Johnson Space Center  
KSC: Kennedy Space Center  
L: Launch or Landing time  
LIMO: Live Interview Media Outlet channel  
LWAPA: Lightweight Adaptor Plate Assembly  
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  
MMT: Mission Management Team  
MS: Mission Specialist  
NET: No Earlier Than  
OBSS: Orbiter Boom Sensor System  
ODS: Orbiter Docking System  
OMS: Orbital Maneuvering System  
PAO: Public Affairs office  
PMM: Permanent Multipurpose Module  
RCS: Reaction Control System  
R&R: Return and Replace  
RPM: Rendezvous Pitch Maneuver  
RSS: Rotate Servicing Structure  
S1: Starboard One truss segment on ISS  
SPDM: Special Purpose Dexterous Manipulator  
SRMS: Shuttle Remote Manipulator System on Discovery  
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