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 NASA TELEVISION SCHEDULE  
 STS-128 / ISS 17A  
 LEONARDO MULTIPURPOSE LOGISTICS MODULE  
 REV F  
 8/30/09  
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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>  
 Launch occurred at 10:59pm CT (11:59pm ET) on Friday, August 28th, 2009.  
 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>CDT</u>	<u>EDT</u>	<u>GMT</u>
<b>SUNDAY, AUGUST 30</b>						
<b>FD 3</b>						
26	DISCOVERY CREW WAKE UP (begins FD 3)		01/ 13:30	12:29 PM	01:29 PM	17:29
27	* RENDEZVOUS OPERATIONS BEGIN		01/ 15:30	02:29 PM	03:29 PM	19:29
27	POST MISSION MANAGEMENT TEAM BRIEFING	JSC	01/ 16:01	03:00 PM	04:00 PM	20:00
29	TI BURN		01/ 18:26	05:25 PM	06:25 PM	22:25
30	DISCOVERY RENDEZVOUS PITCH MANEUVER		01/ 20:03	07:02 PM	08:02 PM	00:02
31	* DISCOVERY / ISS DOCKING (may not be televised live)		01/ 21:05	08:04 PM	09:04 PM	01:04
32	DISCOVERY / ISS CREW HATCH OPENING AND WELCOME CEREMONY		01/ 23:00	09:59 PM	10:59 PM	02:59
33	DISCOVERY / ISS TRANSFERS BEGIN		01/ 23:35	10:34 PM	11:34 PM	03:34
33	SSRMS GRAPPLE / UNBERTH OBSS FROM DISCOVERY'S PAYLOAD BAY		01/ 23:35	10:34 PM	11:34 PM	03:34

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
33	* KOPRA / STOTT SOYUZ SEATLINER SWAP AND INSTALLATION (Stott officially joins Expedition 20, Kopra joins STS-128 Crew)		01/ 23:35	10:34 PM	11:34 PM	03:34
32	MISSION STATUS BRIEFING	JSC	02/ 00:01	11:00 PM	12:00 AM	04:00
<b>MONDAY, AUGUST 31</b>						
<b>FD 3 / FD 4</b>						
34	SSRMS HANDOFF OBSS TO SRMS		02/ 01:45	12:44 AM	01:44 AM	05:44
34	SHUTTLE VTR PLAYBACK OF DOCKING		02/ 01:50	12:49 AM	01:49 AM	05:49
36	ISS CREW SLEEP BEGINS		02/ 05:00	03:59 AM	04:59 AM	08:59
36	DISCOVERY CREW SLEEP BEGINS		02/ 05:30	04:29 AM	05:29 AM	09:29
37	FLIGHT DAY 3 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	02/ 06:01	05:00 AM	06:00 AM	10:00
39	HIGH DEFINITION FLIGHT DAY 3 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 10:00am CT and 11:00am CT)	JSC	02/ 09:01	08:00 AM	09:00 AM	13:00
39	VIDEO FILE	HQ	02/ 10:01	09:00 AM	10:00 AM	14:00
40	ISS FLIGHT DIRECTOR UPDATE	JSC	02/ 12:01	11:00 AM	12:00 PM	16:00
41	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	02/ 12:46	11:45 AM	12:45 PM	16:45
41	DISCOVERY / ISS CREW WAKE UP (begins FD 4)		02/ 13:30	12:29 PM	01:29 PM	17:29
43	SSRMS GRAPPLE & UNBERTH LEONARDO MPLM		02/ 15:40	02:39 PM	03:39 PM	19:39
43	POST MISSION MANAGEMENT TEAM BRIEFING	JSC	02/ 16:01	03:00 PM	04:00 PM	20:00
44	DISCOVERY / ISS TRANSFERS RESUME		02/ 16:30	03:29 PM	04:29 PM	20:29
45	SSRMS INSTALLATION OF LEONARDO MPLM ON HARMONY NADIR PORT		02/ 18:20	05:19 PM	06:19 PM	22:19
46	MISSION STATUS BRIEFING	JSC	02/ 20:31	07:30 PM	08:30 PM	00:30

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46	MPLM VESTIBULE PRESSURIZATION AND ACTIVATION BEGINS		02/ 20:35	07:34 PM	08:34 PM	00:34
47	* UNIVISION "Man in the Street" PAO EVENT (in native language only)	ISS Ku	02/ 22:30	09:29 PM	10:29 PM	02:29
<b>TUESDAY, SEPTEMBER 1</b>						
<b>FD 4 / FD 5</b>						
49	EVA # 1 PROCEDURE REVIEW		03/ 00:55	11:54 PM	12:54 AM	04:54
50	MPLM INGRESS		03/ 01:35	12:34 AM	01:34 AM	05:34
51	EVA # 1 CAMPOUT BEGINS (Olivas & Stott)		03/ 03:25	02:24 AM	03:24 AM	07:24
51	ISS CREW SLEEP BEGINS		03/ 04:30	03:29 AM	04:29 AM	08:29
52	DISCOVERY CREW SLEEP BEGINS		03/ 05:00	03:59 AM	04:59 AM	08:59
52	FLIGHT DAY 4 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	03/ 05:01	04:00 AM	05:00 AM	09:00
55	HIGH DEFINITION FLIGHT DAY 4 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 10:00am CT and 11:00am CT)	JSC	03/ 09:01	08:00 AM	09:00 AM	13:00
55	VIDEO FILE	HQ	03/ 10:01	09:00 AM	10:00 AM	14:00
56	ISS FLIGHT DIRECTOR UPDATE	JSC	03/ 11:01	10:00 AM	11:00 AM	15:00
57	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	03/ 11:46	10:45 AM	11:45 AM	15:45
57	DISCOVERY / ISS CREW WAKE UP (begins FD 5)		03/ 13:00	11:59 AM	12:59 PM	16:59
57	EVA # 1 PREPARATIONS RESUME		03/ 13:35	12:34 PM	01:34 PM	17:34
59	MPLM TRANSFERS BEGIN		03/ 16:00	02:59 PM	03:59 PM	19:59
59	ZERO-G STOWAGE RACK TRANSFER FROM MPLM TO HARMONY BEGINS		03/ 16:30	03:29 PM	04:29 PM	20:29
60	C.O.L.B.E.R.T. TRANSFER TO ISS BEGINS		03/ 17:25	04:24 PM	05:24 PM	21:24

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60	EVA # 1 BEGINS (Olivas and Stott)			03/ 17:50	04:49 PM	05:49 PM	21:49
61	P1 ATA RELEASE & TEMPORARY STOWAGE ON SSRMS END EFFECTOR			03/ 18:35	05:34 PM	06:34 PM	22:34
61	CREW QUARTERS TRANSFER TO ISS BEGINS			03/ 18:45	05:44 PM	06:44 PM	22:44
62	EUTEF RETRIEVAL & STOWAGE			03/ 20:20	07:19 PM	08:19 PM	00:19
62	ARS RACK TRANSFER TO HARMONY			03/ 21:00	07:59 PM	08:59 PM	00:59
63	MISSE-6 RETRIEVAL & STOWAGE			03/ 22:10	09:09 PM	10:09 PM	02:09
64	EVA # 1 ENDS			04/ 00:20	11:19 PM	12:19 AM	04:19
<b>WEDNESDAY, SEPTEMBER 2</b>							
<b>FD 5 / FD 6</b>							
66	MISSION STATUS BRIEFING	JSC		04/ 03:01	02:00 AM	03:00 AM	07:00
67	ISS CREW SLEEP BEGINS			04/ 04:00	02:59 AM	03:59 AM	07:59
67	DISCOVERY CREW SLEEP BEGINS			04/ 04:30	03:29 AM	04:29 AM	08:29
67	FLIGHT DAY 5 HIGHLIGHTS (replayed on the hour during	JSC		04/ 05:01	04:00 AM	05:00 AM	09:00
69	HIGH DEFINITION FLIGHT DAY 5 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 10:00am CT and 11:00am CT)	JSC		04/ 09:01	08:00 AM	09:00 AM	13:00
69	VIDEO FILE	HQ		04/ 09:01	08:00 AM	09:00 AM	13:00
71	ISS FLIGHT DIRECTOR UPDATE	JSC		04/ 10:01	09:00 AM	10:00 AM	14:00
72	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC		04/ 11:46	10:45 AM	11:45 AM	15:45
72	DISCOVERY / ISS CREW WAKE UP (begins FD 6)			04/ 12:30	11:29 AM	12:29 PM	16:29
73	HTV PREFLIGHT BRIEFING	JSC		04/ 13:31	12:30 PM	01:30 PM	17:30
75	FIR RACK INSTALLATION IN DESTINY LAB BEGINS / MPLM TRANSFERS / OBSS FOCUSED INSPECTION OF DISCOVERY TPS (If required)			04/ 15:45	02:44 PM	03:44 PM	19:44

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75	ISS CREW QUARTERS OUTFITTING		04/ 15:50	02:49 PM	03:49 PM	19:49
75	MSRR RACK INSTALLATION IN DESTINY LAB BEGINS		04/ 16:45	03:44 PM	04:44 PM	20:44
76	MELFI-2 INSTALLATION IN DESTINY LAB BEGINS		04/ 17:45	04:44 PM	05:44 PM	21:44
77	CNN ESPANOL / TELEVISA MEXICO'S "Primero Noticias" Program / KCRA-TV LIVE INTERVIEWS	ISS Ku	04/ 19:35	06:34 PM	07:34 PM	23:34
78	MISSION STATUS BRIEFING	JSC	04/ 20:31	07:30 PM	08:30 PM	00:30
78	HTV ONBOARD TRAINING / ISS CREW QUARTERS ACTIVATION & CHECKOUT		04/ 20:30	07:29 PM	08:29 PM	00:29
79	REPLAY OF LIVE INTERVIEWS WITH ENGLISH INTERPRETATION	JSC	04/ 21:01	08:00 PM	09:00 PM	01:00
80	TWITTER / YOU TUBE PAO EVENT (in native language only)	ISS Ku	05/ 00:05	11:04 PM	12:04 AM	04:04
80	EVA # 2 PROCEDURE REVIEW		05/ 00:25	11:24 PM	12:24 AM	04:24
<b>THURSDAY, SEPTEMBER 3</b>						
<b>FD 6 / FD 7</b>						
82	EVA # 2 CAMPOUT BEGINS (Olivas and Fuglesang)		05/ 02:55	01:54 AM	02:54 AM	06:54
83	ISS CREW SLEEP BEGINS		05/ 04:00	02:59 AM	03:59 AM	07:59
83	DISCOVERY CREW SLEEP BEGINS		05/ 04:30	03:29 AM	04:29 AM	08:29
83	FLIGHT DAY 6 HIGHLIGHTS (replayed on the hour during	JSC	05/ 05:01	04:00 AM	05:00 AM	09:00
85	HIGH DEFINITION FLIGHT DAY 6 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 10:00am CT and 11:00am CT)	JSC	05/ 09:01	08:00 AM	09:00 AM	13:00
86	VIDEO FILE	HQ	05/ 09:01	08:00 AM	09:00 AM	13:00
87	ISS FLIGHT DIRECTOR UPDATE	JSC	05/ 10:01	09:00 AM	10:00 AM	14:00
88	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	05/ 11:46	10:45 AM	11:45 AM	15:45

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88	DISCOVERY / ISS CREW WAKE UP (begins FD 7)		05/ 12:30	11:29 AM	12:29 PM	16:29
89	EVA # 2 PREPARATIONS RESUME		05/ 13:05	12:04 PM	01:04 PM	17:04
90	MPLM TRANSFERS RESUME		05/ 15:30	02:29 PM	03:29 PM	19:29
91	EVA # 2 BEGINS (Olivas and Fuglesang)		05/ 17:20	04:19 PM	05:19 PM	21:19
92	NEW ATA REMOVAL FROM LMC		05/ 18:15	05:14 PM	06:14 PM	22:14
93	NEW ATA INSTALLATION ONTO P1 TRUSS BEGINS		05/ 19:35	06:34 PM	07:34 PM	23:34
93	OLD ATA REMOVAL FROM SSRMS END EFFECTOR		05/ 20:00	06:59 PM	07:59 PM	23:59
94	OLD ATA INSTALLATION ONTO LMC		05/ 21:55	08:54 PM	09:54 PM	01:54
96	EVA # 2 ENDS		05/ 23:50	10:49 PM	11:49 PM	03:49
<b>FRIDAY, SEPTEMBER 4</b>						
<b>FD 7 / FD 8</b>						
97	MISSION STATUS BRIEFING	JSC	06/ 01:31	12:30 AM	01:30 AM	05:30
98	ISS CREW SLEEP BEGINS		06/ 03:30	02:29 AM	03:29 AM	07:29
98	DISCOVERY CREW SLEEP BEGINS		06/ 04:00	02:59 AM	03:59 AM	07:59
99	FLIGHT DAY 7 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	06/ 04:01	03:00 AM	04:00 AM	08:00
102	HIGH DEFINITION FLIGHT DAY 7 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00am CT and 10:00am CT)	JSC	06/ 08:01	07:00 AM	08:00 AM	12:00
102	VIDEO FILE	HQ	06/ 08:01	07:00 AM	08:00 AM	12:00
103	ISS FLIGHT DIRECTOR UPDATE	JSC	06/ 09:31	08:30 AM	09:30 AM	13:30
103	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	06/ 10:46	09:45 AM	10:45 AM	14:45
104	DISCOVERY / ISS CREW WAKE UP (begins FD 8)		06/ 12:00	10:59 AM	11:59 AM	15:59
106	DISCOVERY / ISS OFF-DUTY PERIOD BEGINS		06/ 15:00	01:59 PM	02:59 PM	18:59

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107	MISSION STATUS BRIEFING	JSC	06/ 17:01	04:00 PM	05:00 PM	21:00
109	JOINT CREW NEWS CONFERENCE	ISS Ku	06/ 20:50	07:49 PM	08:49 PM	00:49
110	MPLM TRANSFERS RESUME		06/ 21:30	08:29 PM	09:29 PM	01:29
110	JOINT CREW NEWS CONFERENCE REPLAY WITH ENGLISH INTERPRETATION	JSC	06/ 22:01	09:00 PM	10:00 PM	02:00
111	EVA # 3 PROCEDURE REVIEW		06/ 23:55	10:54 PM	11:54 PM	03:54
<b>SATURDAY, SEPTEMBER 5</b>						
<b>FD 8 / FD 9</b>						
113	EVA # 3 CAMPOUT BEGINS (Olivas and Fuglesang)		07/ 02:25	01:24 AM	02:24 AM	06:24
114	ISS CREW SLEEP BEGINS		07/ 03:30	02:29 AM	03:29 AM	07:29
114	DISCOVERY CREW SLEEP BEGINS		07/ 04:00	02:59 AM	03:59 AM	07:59
115	FLIGHT DAY 8 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	07/ 04:01	03:00 AM	04:00 AM	08:00
117	HIGH DEFINITION FLIGHT DAY 8 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00am CT and 10:00am CT)	JSC	07/ 08:01	07:00 AM	08:00 AM	12:00
118	ISS FLIGHT DIRECTOR UPDATE	JSC	07/ 09:31	08:30 AM	09:30 AM	13:30
119	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	07/ 10:46	09:45 AM	10:45 AM	14:45
120	DISCOVERY / ISS CREW WAKE UP (begins FD 9)		07/ 12:00	10:59 AM	11:59 AM	15:59
120	EVA #3 PREPARATIONS RESUME		07/ 12:35	11:34 AM	12:34 PM	16:34
123	EVA #3 BEGINS (Olivas and Fuglesang)		07/ 16:50	03:49 PM	04:49 PM	20:49
123	MPLM TRANSFERS RESUME		07/ 17:05	04:04 PM	05:04 PM	21:04
123	S3 PAS DEPLOYMENT		07/ 17:25	04:24 PM	05:24 PM	21:24
124	RGA #2 REMOVAL / REPLACEMENT BEGINS		07/ 18:55	05:54 PM	06:54 PM	22:54

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125	PMA 3 HEATER CABLE CONNECTIONS / S0 RPCM REMOVAL & REPLACEMENT		07/ 19:55	06:54 PM	07:54 PM	23:54
125	TRANQUILITY NODE 3 AVIONICS CABLE ROUTING		07/ 20:40	07:39 PM	08:39 PM	00:39
126	EVA #3 ENDS		07/ 23:20	10:19 PM	11:19 PM	03:19

**SUNDAY, SEPTEMBER 6**

**FD 9 / FD 10**

128	MISSION STATUS BRIEFING	JSC	08/ 01:01	12:00 AM	01:00 AM	05:00
129	ISS CREW SLEEP BEGINS		08/ 03:00	01:59 AM	02:59 AM	06:59
130	DISCOVERY CREW SLEEP BEGINS		08/ 03:30	02:29 AM	03:29 AM	07:29
130	FLIGHT DAY 9 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	08/ 04:01	03:00 AM	04:00 AM	08:00
132	HIGH DEFINITION FLIGHT DAY 9 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00am CT and 10:00am CT)	JSC	08/ 08:01	07:00 AM	08:00 AM	12:00
134	ISS FLIGHT DIRECTOR UPDATE	JSC	08/ 09:01	08:00 AM	09:00 AM	13:00
134	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	08/ 10:46	09:45 AM	10:45 AM	14:45
135	DISCOVERY / ISS CREW WAKE UP (begins FD 10)		08/ 11:30	10:29 AM	11:29 AM	15:29
136	KFOX-TV / KXAN-TV / MILITARY TIMES LIVE INTERVIEWS	ISS Ku	08/ 13:55	12:54 PM	01:54 PM	17:54
137	MPLM TRANSFERS RESUME		08/ 14:10	01:09 PM	02:09 PM	18:09
138	HARMONY NODE 2 CBM CONTROLLER PANEL INSTALLATION		08/ 15:40	02:39 PM	03:39 PM	19:39
138	MISSION STATUS BRIEFING	JSC	08/ 17:01	04:00 PM	05:00 PM	21:00
141	DISCOVERY CREW OFF DUTY PERIOD BEGINS		08/ 20:30	07:29 PM	08:29 PM	00:29

**MONDAY, SEPTEMBER 7**

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
<b>FD 10 / FD 11</b>						
143	ESA PAO EVENT	ISS Ku	09/ 01:10	12:09 AM	01:09 AM	05:09
144	REPLAY OF ESA PAO EVENT WITH ENGLISH INTERPRETATION	JSC	09/ 02:31	01:30 AM	02:30 AM	06:30
145	ISS CREW SLEEP BEGINS		09/ 03:00	01:59 AM	02:59 AM	06:59
145	DISCOVERY CREW SLEEP BEGINS		09/ 03:30	02:29 AM	03:29 AM	07:29
145	FLIGHT DAY 10 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	09/ 04:01	03:00 AM	04:00 AM	08:00
147	HIGH DEFINITION FLIGHT DAY 10 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00am CT and 10:00am CT)	JSC	09/ 08:01	07:00 AM	08:00 AM	12:00
147	VIDEO FILE	HQ	09/ 08:01	07:00 AM	08:00 AM	12:00
148	ISS FLIGHT DIRECTOR UPDATE	JSC	09/ 08:31	07:30 AM	08:30 AM	12:30
150	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	09/ 10:46	09:45 AM	10:45 AM	14:45
151	DISCOVERY / ISS CREW WAKE UP (begins FD 11)		09/ 11:30	10:29 AM	11:29 AM	15:29
151	CREW CHOICE DOWNLINK		09/ 13:15	12:14 PM	01:14 PM	17:14
151	MPLM EGRESS AND DEACTIVATION		09/ 13:35	12:34 PM	01:34 PM	17:34
152	TELEMUNDO / WTSP-TV / UNIVISION LIVE INTERVIEWS	ISS Ku	09/ 14:10	01:09 PM	02:09 PM	18:09
153	REPLAY OF LIVE INTERVIEWS WITH ENGLISH INTERPRETATION	JSC	09/ 15:31	02:30 PM	03:30 PM	19:30
154	SSRMS GRAPPLES MPLM		09/ 18:15	05:14 PM	06:14 PM	22:14
155	SSRMS DEMATE MPLM FROM HARMONY		09/ 19:30	06:29 PM	07:29 PM	23:29
156	SSRMS BERTHS MPLM IN DISCOVERY'S PAYLOAD BAY		09/ 21:00	07:59 PM	08:59 PM	00:59

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156	MISSION STATUS BRIEFING	JSC	09/ 21:01	08:00 PM	09:00 PM	01:00
157	FAREWELL AND HATCH CLOSURE		09/ 22:30	09:29 PM	10:29 PM	02:29
158	RENDEZVOUS TOOL CHECKOUT		09/ 22:50	09:49 PM	10:49 PM	02:49
158	CENTERLINE CAMERA INSTALLATION		09/ 23:50	10:49 PM	11:49 PM	03:49
<b>TUESDAY, SEPTEMBER 8</b>						
<b>FD 11 / FD 12</b>						
160	ISS CREW SLEEP BEGINS		10/ 02:30	01:29 AM	02:29 AM	06:29
160	DISCOVERY CREW SLEEP BEGINS		10/ 03:00	01:59 AM	02:59 AM	06:59
161	FLIGHT DAY 11 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	10/ 03:01	02:00 AM	03:00 AM	07:00
162	VIDEO FILE	HQ	10/ 07:01	06:00 AM	07:00 AM	11:00
163	HIGH DEFINITION FLIGHT DAY 11 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00am CT and 10:00am CT)	JSC	10/ 08:01	07:00 AM	08:00 AM	12:00
164	ISS FLIGHT DIRECTOR UPDATE	JSC	10/ 08:31	07:30 AM	08:30 AM	12:30
165	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	10/ 09:46	08:45 AM	09:45 AM	13:45
165	DISCOVERY / ISS CREW WAKE UP (begins FD 12)		10/ 11:00	09:59 AM	10:59 AM	14:59
168	DISCOVERY UNDOCKS FROM ISS		10/ 15:28	02:27 PM	03:27 PM	19:27
168	DISCOVERY FLYAROUND OF ISS BEGINS		10/ 15:53	02:52 PM	03:52 PM	19:52
169	FINAL SEPARATION FROM ISS		10/ 17:11	04:10 PM	05:10 PM	21:10
170	RMS / OBSS LATE INSPECTION OF DISCOVERY'S TPS BEGINS		10/ 19:00	05:59 PM	06:59 PM	22:59
172	MISSION STATUS BRIEFING	JSC	10/ 21:01	08:00 PM	09:00 PM	01:00
173	OBSS BERTH		10/ 23:15	10:14 PM	11:14 PM	03:14
174	SHUTTLE VTR PLAYBACK OF UNDOCKING		11/ 00:30	11:29 PM	12:29 AM	04:29

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
<b>WEDNESDAY, SEPTEMBER 9</b>						
<b>FD 12 / FD 13</b>						
176	DISCOVERY CREW SLEEP BEGINS		11/ 03:00	01:59 AM	02:59 AM	06:59
177	FLIGHT DAY 12 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	11/ 03:01	02:00 AM	03:00 AM	07:00
179	HIGH DEFINITION FLIGHT DAY 12 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00am CT and 10:00am CT)	JSC	11/ 08:01	07:00 AM	08:00 AM	12:00
180	VIDEO FILE	HQ	11/ 09:01	08:00 AM	09:00 AM	13:00
181	DISCOVERY CREW WAKE UP (begins FD 13)		11/ 11:00	09:59 AM	10:59 AM	14:59
183	CABIN STOWAGE BEGINS		11/ 14:05	01:04 PM	02:04 PM	18:04
184	FCS CHECKOUT		11/ 15:10	02:09 PM	03:09 PM	19:09
185	RCS HOT-FIRE TEST		11/ 16:20	03:19 PM	04:19 PM	20:19
185	CBS NEWS / ABC NEWS / CNN LIVE INTERVIEWS	TDRE	11/ 17:35	04:34 PM	05:34 PM	21:34
185	POST MISSION MANAGEMENT TEAM BRIEFING	JSC	11/ 18:16	05:15 PM	06:15 PM	22:15
186	BOUNDARY LAYER TRANSITION / HYTHIRM BRIEFING	JSC	11/ 20:01	07:00 PM	08:00 PM	00:00
188	MISSION STATUS BRIEFING	JSC	11/ 21:01	08:00 PM	09:00 PM	01:00
188	KOPRA'S RECUMBENT SEAT SET UP		11/ 22:10	09:09 PM	10:09 PM	02:09
189	KU-BAND ANTENNA STOWAGE		11/ 23:35	10:34 PM	11:34 PM	03:34
<b>THURSDAY, SEPTEMBER 10</b>						
<b>FD 13 / FD 14</b>						
191	DISCOVERY CREW SLEEP BEGINS		12/ 03:00	01:59 AM	02:59 AM	06:59
192	FLIGHT DAY 13 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	12/ 03:01	02:00 AM	03:00 AM	07:00

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>		<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
195	HIGH DEFINITION FLIGHT DAY 13 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00am CT and 10:00am CT)	JSC	12/	08:01	07:00 AM	08:00 AM	12:00
196	DISCOVERY CREW WAKE UP (begins FD 14)		12/	11:00	09:59 AM	10:59 AM	14:59
198	HTV LAUNCH COVERAGE BEGINS (launch scheduled at 12:01pm CT)	JSC / TAN	12/	12:46	11:45 AM	12:45 PM	16:45
198	DEORBIT PREPARATIONS BEGIN		12/	14:05	01:04 PM	02:04 PM	18:04
200	PAYLOAD BAY DOOR CLOSING		12/	15:24	02:23 PM	03:23 PM	19:23
201	DEORBIT BURN		12/	18:04	05:03 PM	06:03 PM	22:03
202	MILA C-BAND RADAR ACQUISITION OF DISCOVERY		12/	18:54	05:53 PM	06:53 PM	22:53
202	KSC LANDING	KSC	12/	19:07	06:06 PM	07:06 PM	23:06
	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-128 MISSION HIGHLIGHTS VIDEO REPLAY (replayed after Entry Flight Control Team Video)	JSC			~ L+3.5 HRS.		

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**DEFINITION OF TERMS**  
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AMC: Americom Satellite  
ARS: Air Revitalization System  
ATA: Ammonia Tank Assembly  
CBM: Common Berthing Mechanism  
CST: Central Standard Time  
CHECS: Crew Health Care System  
C.O.L.B.E.R.T. - Combined Operational Load Bearing External Resistance Treadmill  
Destiny: U.S. Laboratory on ISS

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
EMU:	Extravehicular Mobility Unit					
EST:	Eastern Standard Time					
EUTEF:	European Technology Exposure Facility					
EVA:	Extravehicular Activity					
FCS:	Flight Control System					
FD:	Flight Day					
FIR:	Fluids Integration Rack					
GMT:	Greenwich Mean Time					
HARMONY:	Node 2					
HD:	High Definition Television					
HQ:	NASA Headquarters					
HTV:	Japanese H-II Transfer Vehicle					
HYTHIRM:	Hypersonic Thermodynamic Infrared Measurements					
ISS:	International Space Station					
JSC:	Johnson Space Center					
KSC:	Kennedy Space Center					
L:	Launch or Landing time					
LIMO:	Live Interview Media Outlet channel					
LMC:	Lightweight Mission Peculiar Equipment Support Structure Carrier					
MECO:	Main Engine Cut-Off					
MELFI:	Minus Eighty-Degree Laboratory Freezer for ISS					
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					
MISSE:	Materials International Space Station Experiment					
MMT:	Mission Management Team					
MPLM	Multi-Purpose Logistics Module					
MS:	Mission Specialist					
MSRR:	Materials Science Research Rack					
NET:	No Earlier Than					
OBSS:	Orbiter Boom Sensor System					
ODS:	Orbiter Docking System					
OMS:	Orbital Maneuvering System					
PAO:	Public Affairs office					
PAS:	Payload Attachment System					
RCS:	Reaction Control System					
RGA:	Rate Gyro Assembly on ISS					
RMS:	Remote Manipulator System on Discovery					
RPCM:	Remote Power Control Module					
RPM:	Rendezvous Pitch Maneuver					
S0:	Starboard Zero Truss Segment					
S1:	Starboard One Truss Segment					
S3:	Starboard Three Truss Segment					
SSRMS:	Space Station Remote Manipulator System (Canadarm2 ISS Robotic Arm)					
STS:	Space Transportation System					

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
TAN:	Tanegashima Space Center, Japan					
TI:	Terminal Initiation Rendezvous Maneuver					
TDRE, W:	Tracking and Data Relay Satellite, East and West Longitudes					
TPS:	Thermal Protection System					
TRANQUILITY:	Future Node 3 on ISS					
Unity:	Connecting Node 1 on International Space Station					
VIP:	Very Important Person					
VTR:	Videotape Recorder					
WLE:	Wing Leading Edge					