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 NASA TELEVISION SCHEDULE  
 STS-128 / ISS 17A  
 LEONARDO MULTIPURPOSE LOGISTICS MODULE  
 8/20/09  
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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>

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
<b>FRIDAY, AUGUST 21</b>						
	COUNTDOWN PREVIEW BRIEFING	KSC		9:00 AM	10:00 AM	14:00
	ISS EXPEDITION 20 COMMENTARY	JSC		10:00 AM	11:00 AM	15:00
	VIDEO FILE	HQ		11:00 AM	12:00 PM	16:00
<b>SATURDAY, AUGUST 22</b>						
	COUNTDOWN STATUS BRIEFING	KSC		9:00 AM	10:00 AM	14:00
<b>SUNDAY, AUGUST 23</b>						
	ISS SCIENCE BRIEFING	KSC		12:00 PM	1:00 PM	17:00
	STS-128 PRELAUNCH NEWS CONFERENCE (Time subject to completion of Mission Management Team Meeting)	KSC		2:00 PM	3:00 PM	19:00
<b>MONDAY, AUGUST 24</b>						

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
	ROTATING SERVICE STRUCTURE RETRACTION	KSC		4:00 AM	5:00 AM	9:00
	VIDEO FILE	HQ		11:00 AM	12:00 PM	16:00
	STS-128 FUELING COVERAGE BEGINS	KSC		3:00 PM	4:00 PM	20:00
	STS-128 LAUNCH COVERAGE BEGINS	KSC		7:30 PM	8:30 PM	0:30
<b>TUESDAY , AUGUST 25</b>						
<b>FD 1 / FD 2</b>						
	LAUNCH	KSC	00/ 00:00	12:36 AM	01:36 AM	05:36
	MECO		00/ 00:08	12:44 AM	01:44 AM	05:44
1	NASA TELEVISION ORIGINATION SWITCHED TO JSC	JSC	00/ 00:10	12:46 AM	01:46 AM	05:46
1	NASA TELEVISION ORIGINATION SWITCHED TO KSC	KSC	00/ 00:13	12:49 AM	01:49 AM	05:49
1	LAUNCH REPLAYS (approx. 5 min. after MECO) T=30:00	KSC	00/ 00:13	12:49 AM	01:49 AM	05:49
1	ADDITIONAL LAUNCH REPLAYS FROM KSC	KSC	00/ 00:45	01:21 AM	02:21 AM	06:21
1	POST LAUNCH NEWS CONFERENCE	KSC	00/ 00:54	01:30 AM	02:30 AM	06:30
2	PAYLOAD BAY DOOR OPENING (may not be televised live)		00/ 01:25	02:01 AM	03:01 AM	07:01
3	ASCENT FLIGHT CONTROL TEAM VIDEO REPLAY	JSC	00/ 03:54	04:30 AM	05:30 AM	09:30
3	RMS CHECKOUT		00/ 04:15	04:51 AM	05:51 AM	09:51
4	RMS PAYLOAD BAY SURVEY		00/ 05:00	05:36 AM	06:36 AM	10:36
5	DISCOVERY CREW SLEEP BEGINS		00/ 06:30	07:06 AM	08:06 AM	12:06
6	FLIGHT DAY 1 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	00/ 07:24	08:00 AM	09:00 AM	13:00
8	VIDEO FILE	HQ	00/ 10:24	11:00 AM	12:00 PM	16:00
10	DISCOVERY CREW WAKE UP (begins FD 2)		00/ 14:30	03:06 PM	04:06 PM	20:06

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
12	OBSS UNBERTH		00/ 17:05	05:41 PM	06:41 PM	22:41
13	EMU CHECKOUT		00/ 18:20	06:56 PM	07:56 PM	23:56
13	RMS/OBSS SURVEY OF DISCOVERY TPS BEGINS		00/ 18:20	06:56 PM	07:56 PM	23:56
<b>WEDNESDAY, AUGUST 26</b>						
<b>FD 2 / FD 3</b>						
16	MISSION STATUS BRIEFING	JSC	00/ 23:54	12:30 AM	01:30 AM	05:30
16	OBSS BERTH		00/ 23:55	12:31 AM	01:31 AM	05:31
18	RENDEZVOUS TOOL CHECKOUT		01/ 01:35	02:11 AM	03:11 AM	07:11
18	CENTERLINE CAMERA INSTALLATION		01/ 01:50	02:26 AM	03:26 AM	07:26
18	RMS OMS POD SURVEY		01/ 02:05	02:41 AM	03:41 AM	07:41
18	ODS RING EXTENSION		01/ 02:20	02:56 AM	03:56 AM	07:56
20	DISCOVERY CREW SLEEP BEGINS		01/ 05:30	06:06 AM	07:06 AM	11:06
21	FLIGHT DAY 2 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	01/ 06:24	07:00 AM	08:00 AM	12:00
24	VIDEO FILE	HQ	01/ 10:24	11:00 AM	12:00 PM	16:00
26	DISCOVERY CREW WAKE UP (begins FD 3)		01/ 13:30	02:06 PM	03:06 PM	19:06
26	POST MISSION MANAGEMENT TEAM BRIEFING	JSC	01/ 14:24	03:00 PM	04:00 PM	20:00
27	RENDEZVOUS OPERATIONS BEGIN		01/ 15:05	03:41 PM	04:41 PM	20:41
29	TI BURN		01/ 18:14	06:50 PM	07:50 PM	23:50
30	DISCOVERY RENDEZVOUS PITCH MANEUVER		01/ 19:56	08:32 PM	09:32 PM	01:32
31	DISCOVERY / ISS DOCKING (may not be televised live)		01/ 20:52	09:28 PM	10:28 PM	02:28
32	DISCOVERY / ISS CREW HATCH OPENING AND WELCOME CEREMONY		01/ 22:45	11:21 PM	12:21 AM	04:21

ORBIT	SUBJECT	SITE	MET	CDT	EDT	GMT
<b>THURSDAY, AUGUST 27</b>						
<b>FD 3 / FD 4</b>						
32	SSRMS GRAPPLE / UNBERTH OBSS FROM DISCOVERY'S PAYLOAD BAY		01/ 23:25	12:01 AM	01:01 AM	05:01
33	KOPRA / STOTT SOYUZ SEATLINER SWAP AND INSTALLATION (Stott officially joins Expedition 20, Kopra joins STS-128 Crew)		02/ 00:05	12:41 AM	01:41 AM	05:41
33	DISCOVERY / ISS TRANSFERS BEGIN		02/ 00:00	12:36 AM	01:36 AM	05:36
34	MISSION STATUS BRIEFING	JSC	02/ 00:24	01:00 AM	02:00 AM	06:00
34	SSRMS HANDOFF OBSS TO SRMS		02/ 00:55	01:31 AM	02:31 AM	06:31
34	SHUTTLE VTR PLAYBACK OF DOCKING		02/ 01:50	02:26 AM	03:26 AM	07:26
36	ISS CREW SLEEP BEGINS		02/ 05:00	05:36 AM	06:36 AM	10:36
36	DISCOVERY CREW SLEEP BEGINS		02/ 05:30	06:06 AM	07:06 AM	11:06
37	FLIGHT DAY 3 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	02/ 06:24	07:00 AM	08:00 AM	12:00
38	HIGH DEFINITION FLIGHT DAY 3 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 12:00pm CT and 1:00pm CT)	JSC	02/ 08:24	09:00 AM	10:00 AM	14:00
39	VIDEO FILE	HQ	02/ 10:24	11:00 AM	12:00 PM	16:00
40	ISS FLIGHT DIRECTOR UPDATE	JSC	02/ 11:54	12:30 PM	01:30 PM	17:30
41	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	02/ 12:54	01:30 PM	02:30 PM	18:30
41	ARES 1 FIVE-SEGMENT SOLID ROCKET MOTOR TEST FIRING AT PROMONTORY, UTAH (Media Channel only)	HQ	02/ 13:24	02:00 PM	03:00 PM	19:00
41	DISCOVERY / ISS CREW WAKE UP (begins FD 4)		02/ 13:30	02:06 PM	03:06 PM	19:06
42	POST MISSION MANAGEMENT TEAM BRIEFING	JSC	02/ 14:24	03:00 PM	04:00 PM	20:00

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
43	SSRMS GRAPPLE & UNBERTH LEONARDO MPLM FROM DISCOVERY		02/ 15:40	04:16 PM	05:16 PM	21:16
44	DISCOVERY / ISS TRANSFERS RESUME		02/ 16:30	05:06 PM	06:06 PM	22:06
45	SSRMS INSTALLATION OF LEONARDO MPLM ON HARMONY NADIR PORT		02/ 18:20	06:56 PM	07:56 PM	23:56
46	MISSION STATUS BRIEFING	JSC	02/ 19:54	08:30 PM	09:30 PM	01:30
46	MPLM VESTIBULE PRESSURIZATION AND ACTIVATION BEGINS		02/ 20:35	09:11 PM	10:11 PM	02:11

**FRIDAY, AUGUST 28**

**FD 4 / FD 5**

49	U.S. PAO EVENT (in native language only)	ISS Ku	03/ 00:25	01:01 AM	02:01 AM	06:01
49	EVA # 1 PROCEDURE REVIEW		03/ 00:55	01:31 AM	02:31 AM	06:31
50	MPLM INGRESS		03/ 01:35	02:11 AM	03:11 AM	07:11
51	EVA # 1 CAMPOUT BEGINS (Olivas & Stott)		03/ 03:25	04:01 AM	05:01 AM	09:01
51	ISS CREW SLEEP BEGINS		03/ 04:30	05:06 AM	06:06 AM	10:06
52	DISCOVERY CREW SLEEP BEGINS		03/ 05:00	05:36 AM	06:36 AM	10:36
52	FLIGHT DAY 4 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	03/ 05:24	06:00 AM	07:00 AM	11:00
54	HIGH DEFINITION FLIGHT DAY 4 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 12:00pm CT and 1:00pm CT)	JSC	03/ 08:24	09:00 AM	10:00 AM	14:00
55	VIDEO FILE	HQ	03/ 09:24	10:00 AM	11:00 AM	15:00
56	ISS FLIGHT DIRECTOR UPDATE	JSC	03/ 10:24	11:00 AM	12:00 PM	16:00
57	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	03/ 12:24	01:00 PM	02:00 PM	18:00

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
57	DISCOVERY / ISS CREW WAKE UP (begins FD 5)		03/ 13:00	01:36 PM	02:36 PM	18:36
57	EVA # 1 PREPARATIONS RESUME		03/ 13:35	02:11 PM	03:11 PM	19:11
59	MPLM TRANSFERS BEGIN		03/ 16:00	04:36 PM	05:36 PM	21:36
59	ZERO-G STOWAGE RACK TRANSFER FROM MPLM TO HARMONY BEGINS		03/ 16:30	05:06 PM	06:06 PM	22:06
60	C.O.L.B.E.R.T. TRANSFER TO ISS BEGINS		03/ 17:25	06:01 PM	07:01 PM	23:01
60	EVA # 1 BEGINS (Olivas and Stott)		03/ 17:50	06:26 PM	07:26 PM	23:26
61	P1 ATA RELEASE & TEMPORARY STOWAGE ON SSRMS END EFFECTOR		03/ 18:35	07:11 PM	08:11 PM	00:11
61	CREW QUARTERS TRANSFER TO ISS BEGINS		03/ 18:45	07:21 PM	08:21 PM	00:21
62	EUTEF RETRIEVAL & STOWAGE		03/ 20:20	08:56 PM	09:56 PM	01:56
62	ARS RACK TRANSFER TO HARMONY		03/ 21:00	09:36 PM	10:36 PM	02:36
63	MISSE-6 RETRIEVAL & STOWAGE		03/ 22:10	10:46 PM	11:46 PM	03:46

**SATURDAY, AUGUST 29**

**FD 5 / FD 6**

64	EVA # 1 ENDS		04/ 00:20	12:56 AM	01:56 AM	05:56
66	MISSION STATUS BRIEFING	JSC	04/ 02:24	03:00 AM	04:00 AM	08:00
67	ISS CREW SLEEP BEGINS		04/ 04:00	04:36 AM	05:36 AM	09:36
67	DISCOVERY CREW SLEEP BEGINS		04/ 04:30	05:06 AM	06:06 AM	10:06
68	FLIGHT DAY 5 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	04/ 05:24	06:00 AM	07:00 AM	11:00
69	HIGH DEFINITION FLIGHT DAY 5 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 11:00am CT and 12:00pm CT)	JSC	04/ 07:24	08:00 AM	09:00 AM	13:00
71	ISS FLIGHT DIRECTOR UPDATE	JSC	04/ 09:54	10:30 AM	11:30 AM	15:30

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72	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC		04/ 11:54	12:30 PM	01:30 PM	17:30
72	DISCOVERY / ISS CREW WAKE UP (begins FD 6)			04/ 12:30	01:06 PM	02:06 PM	18:06
75	FIR RACK INSTALLATION IN DESTINY LAB BEGINS / MPLM TRANSFERS / OBSS FOCUSED INSPECTION OF DISCOVERY TPS (If required)			04/ 15:45	04:21 PM	05:21 PM	21:21
75	ISS CREW QUARTERS OUTFITTING			04/ 15:50	04:26 PM	05:26 PM	21:26
75	MSRR RACK INSTALLATION IN DESTINY LAB BEGINS			04/ 16:45	05:21 PM	06:21 PM	22:21
76	MELFI-2 INSTALLATION IN DESTINY LAB BEGINS			04/ 17:45	06:21 PM	07:21 PM	23:21
76	MISSION STATUS BRIEFING	JSC		04/ 17:54	06:30 PM	07:30 PM	23:30
77	U.S. PAO EVENT	ISS Ku		04/ 19:30	08:06 PM	09:06 PM	01:06
78	HTV ONBOARD TRAINING / ISS CREW QUARTERS ACTIVATION & CHECKOUT			04/ 20:30	09:06 PM	10:06 PM	02:06
78	REPLAY OF U.S. PAO EVENT WITH INTERPRETATION	JSC		04/ 20:54	09:30 PM	10:30 PM	02:30
<b>SUNDAY, AUGUST 30</b>							
<b>FD 6 / FD 7</b>							
80	U.S. PAO EVENT (in native language only)	ISS Ku		05/ 00:05	12:41 AM	01:41 AM	05:41
80	EVA # 2 PROCEDURE REVIEW			05/ 00:25	01:01 AM	02:01 AM	06:01
82	EVA # 2 CAMPOUT BEGINS (Olivas and Fuglesang)			05/ 02:55	03:31 AM	04:31 AM	08:31
83	ISS CREW SLEEP BEGINS			05/ 04:00	04:36 AM	05:36 AM	09:36
83	DISCOVERY CREW SLEEP BEGINS			05/ 04:30	05:06 AM	06:06 AM	10:06
83	FLIGHT DAY 6 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC		05/ 05:24	06:00 AM	07:00 AM	11:00

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85	HIGH DEFINITION FLIGHT DAY 6 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 11:00am CT and 12:00pm CT)	JSC	05/ 07:24	08:00 AM	09:00 AM	13:00
86	ISS FLIGHT DIRECTOR UPDATE	JSC	05/ 09:54	10:30 AM	11:30 AM	15:30
88	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	05/ 11:54	12:30 PM	01:30 PM	17:30
88	DISCOVERY / ISS CREW WAKE UP (begins FD 7)		05/ 12:30	01:06 PM	02:06 PM	18:06
89	EVA # 2 PREPARATIONS RESUME		05/ 13:05	01:41 PM	02:41 PM	18:41
90	MPLM TRANSFERS RESUME		05/ 15:30	04:06 PM	05:06 PM	21:06
91	EVA # 2 BEGINS (Olivas and Fuglesang)		05/ 17:20	05:56 PM	06:56 PM	22:56
92	NEW ATA REMOVAL FROM LMC		05/ 18:15	06:51 PM	07:51 PM	23:51
93	NEW ATA INSTALLATION ONTO P1 TRUSS BEGINS		05/ 19:35	08:11 PM	09:11 PM	01:11
93	OLD ATA REMOVAL FROM SSRMS END EFFECTOR		05/ 20:00	08:36 PM	09:36 PM	01:36
94	OLD ATA INSTALLATION ONTO LMC		05/ 21:55	10:31 PM	11:31 PM	03:31

**MONDAY, AUGUST 31**

**FD 7 / FD 8**

96	EVA # 2 ENDS		05/ 23:50	12:26 AM	01:26 AM	05:26
97	MISSION STATUS BRIEFING	JSC	06/ 01:24	02:00 AM	03:00 AM	07:00
98	ISS CREW SLEEP BEGINS		06/ 03:30	04:06 AM	05:06 AM	09:06
98	DISCOVERY CREW SLEEP BEGINS		06/ 04:00	04:36 AM	05:36 AM	09:36
99	FLIGHT DAY 7 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	06/ 04:24	05:00 AM	06:00 AM	10:00
100	HIGH DEFINITION FLIGHT DAY 7 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 11:00am CT and 12:00pm CT)	JSC	06/ 07:24	08:00 AM	09:00 AM	13:00
101	VIDEO FILE	HQ	06/ 08:24	09:00 AM	10:00 AM	14:00



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102	ISS FLIGHT DIRECTOR UPDATE	JSC	06/	09:24	10:00 AM	11:00 AM	15:00
103	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	06/	11:24	12:00 PM	01:00 PM	17:00
104	DISCOVERY / ISS CREW WAKE UP (begins FD 8)		06/	12:00	12:36 PM	01:36 PM	17:36
106	DISCOVERY / ISS OFF-DUTY PERIOD BEGINS		06/	15:00	03:36 PM	04:36 PM	20:36
107	MISSION STATUS BRIEFING	JSC	06/	17:54	06:30 PM	07:30 PM	23:30
109	JOINT CREW NEWS CONFERENCE	ISS Ku	06/	19:50	08:26 PM	09:26 PM	01:26
110	MPLM TRANSFERS RESUME		06/	21:30	10:06 PM	11:06 PM	03:06
110	REPLAY OF JOINT CREW NEWS CONFERENCE WITH INTERPRETATION	JSC	06/	22:24	11:00 PM	12:00 AM	04:00

**TUESDAY, SEPTEMBER 1**

**FD 8 / FD 9**

111	EVA # 3 PROCEDURE REVIEW		06/	23:55	12:31 AM	01:31 AM	05:31
113	EVA # 3 CAMPOUT BEGINS (Olivas and Fuglesang)		07/	02:25	03:01 AM	04:01 AM	08:01
114	ISS CREW SLEEP BEGINS		07/	03:30	04:06 AM	05:06 AM	09:06
114	DISCOVERY CREW SLEEP BEGINS		07/	04:00	04:36 AM	05:36 AM	09:36
114	FLIGHT DAY 8 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	07/	04:24	05:00 AM	06:00 AM	10:00
116	HIGH DEFINITION FLIGHT DAY 8 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 11:00am CT and 12:00pm CT)	JSC	07/	07:24	08:00 AM	09:00 AM	13:00
117	VIDEO FILE	HQ	07/	08:24	09:00 AM	10:00 AM	14:00
117	ISS FLIGHT DIRECTOR UPDATE	JSC	07/	09:24	10:00 AM	11:00 AM	15:00
119	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	07/	11:24	12:00 PM	01:00 PM	17:00
120	DISCOVERY / ISS CREW WAKE UP (begins FD 9)		07/	12:00	12:36 PM	01:36 PM	17:36
120	EVA #3 PREPARATIONS RESUME		07/	12:35	01:11 PM	02:11 PM	18:11

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123	EVA #3 BEGINS (Olivas and Fuglesang)		07/ 16:50	05:26 PM	06:26 PM	22:26
123	MPLM TRANSFERS RESUME		07/ 17:05	05:41 PM	06:41 PM	22:41
123	S3 PAS DEPLOYMENT		07/ 17:25	06:01 PM	07:01 PM	23:01
124	RGA #2 REMOVAL / REPLACEMENT BEGINS		07/ 18:55	07:31 PM	08:31 PM	00:31
125	PMA 3 HEATER CABLE CONNECTIONS / S0 RPCM REMOVAL & REPLACEMENT		07/ 19:55	08:31 PM	09:31 PM	01:31
125	TRANQUILITY NODE 3 AVIONICS CABLE ROUTING BEGINS		07/ 20:40	09:16 PM	10:16 PM	02:16
126	EVA #3 ENDS		07/ 23:20	11:56 PM	12:56 AM	04:56

**WEDNESDAY, SEPTEMBER 2**

**FD 9 / FD 10**

128	MISSION STATUS BRIEFING	JSC	08/ 01:24	02:00 AM	03:00 AM	07:00
129	ISS CREW SLEEP BEGINS		08/ 03:00	03:36 AM	04:36 AM	08:36
130	DISCOVERY CREW SLEEP BEGINS		08/ 03:30	04:06 AM	05:06 AM	09:06
130	FLIGHT DAY 9 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	08/ 04:24	05:00 AM	06:00 AM	10:00
132	HIGH DEFINITION FLIGHT DAY 9 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 10:00am CT and 11:00am CT)	JSC	08/ 07:24	08:00 AM	09:00 AM	13:00
132	VIDEO FILE	HQ	08/ 08:24	09:00 AM	10:00 AM	14:00
133	ISS FLIGHT DIRECTOR UPDATE	JSC	08/ 09:24	10:00 AM	11:00 AM	15:00
134	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	08/ 10:54	11:30 AM	12:30 PM	16:30
135	DISCOVERY / ISS CREW WAKE UP (begins FD 10)		08/ 11:30	12:06 PM	01:06 PM	17:06
135	HTV PREFLIGHT BRIEFING	JSC	08/ 11:54	12:30 PM	01:30 PM	17:30

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136	U.S. PAO EVENT	ISS Ku	08/	13:55	02:31 PM	03:31 PM	19:31
137	MPLM TRANSFERS RESUME		08/	14:30	03:06 PM	04:06 PM	20:06
138	HARMONY NODE 2 CBM CONTROLLER PANEL INSTALLATION		08/	15:40	04:16 PM	05:16 PM	21:16
138	MISSION STATUS BRIEFING	JSC	08/	16:24	05:00 PM	06:00 PM	22:00
141	DISCOVERY CREW OFF DUTY PERIOD BEGINS		08/	20:30	09:06 PM	10:06 PM	02:06
<b>THURSDAY, SEPTEMBER 3</b>							
<b>FD 10 / FD 11</b>							
144	ESA PAO EVENT	ISS Ku	09/	01:10	01:46 AM	02:46 AM	06:46
145	REPLAY OF ESA PAO EVENT WITH INTERPRETATION	JSC	09/	02:54	03:30 AM	04:30 AM	08:30
145	ISS CREW SLEEP BEGINS		09/	03:00	03:36 AM	04:36 AM	08:36
145	DISCOVERY CREW SLEEP BEGINS		09/	03:30	04:06 AM	05:06 AM	09:06
146	FLIGHT DAY 10 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	09/	04:24	05:00 AM	06:00 AM	10:00
148	HIGH DEFINITION FLIGHT DAY 10 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 10:00am CT and 11:00am CT)	JSC	09/	07:24	08:00 AM	09:00 AM	13:00
148	VIDEO FILE	HQ	09/	07:24	08:00 AM	09:00 AM	13:00
149	ISS FLIGHT DIRECTOR UPDATE	JSC	09/	08:54	09:30 AM	10:30 AM	14:30
150	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	09/	10:54	11:30 AM	12:30 PM	16:30
151	DISCOVERY / ISS CREW WAKE UP (begins FD 11)		09/	11:30	12:06 PM	01:06 PM	17:06
152	CREW CHOICE DOWNLINK		09/	13:15	01:51 PM	02:51 PM	18:51
152	MPLM EGRESS AND DEACTIVATION		09/	13:35	02:11 PM	03:11 PM	19:11
152	U.S. PAO EVENT	ISS Ku	09/	14:10	02:46 PM	03:46 PM	19:46
153	REPLAY OF U.S. PAO EVENT WITH INTERPRETATION	JSC	09/	15:24	04:00 PM	05:00 PM	21:00

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155	SSRMS GRAPPLES MPLM		09/ 18:15	06:51 PM	07:51 PM	23:51
156	SSRMS DEMATE MPLM FROM HARMONY		09/ 19:30	08:06 PM	09:06 PM	01:06
157	SSRMS BERTHS MPLM IN DISCOVERY'S PAYLOAD BAY		09/ 21:00	09:36 PM	10:36 PM	02:36
157	MISSION STATUS BRIEFING	JSC	09/ 21:24	10:00 PM	11:00 PM	03:00
158	FAREWELL AND HATCH CLOSURE		09/ 22:30	11:06 PM	12:06 AM	04:06
158	RENDEZVOUS TOOL CHECKOUT		09/ 22:50	11:26 PM	12:26 AM	04:26
<b>FRIDAY, SEPTEMBER 4</b>						
<b>FD 11 / FD 12</b>						
159	CENTERLINE CAMERA INSTALLATION		09/ 23:50	12:26 AM	01:26 AM	05:26
160	ISS CREW SLEEP BEGINS		10/ 02:30	03:06 AM	04:06 AM	08:06
161	DISCOVERY CREW SLEEP BEGINS		10/ 03:00	03:36 AM	04:36 AM	08:36
161	FLIGHT DAY 11 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	10/ 03:24	04:00 AM	05:00 AM	09:00
163	HIGH DEFINITION FLIGHT DAY 11 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 10:00am CT and 11:00am CT)	JSC	10/ 07:24	08:00 AM	09:00 AM	13:00
164	VIDEO FILE	HQ	10/ 08:24	09:00 AM	10:00 AM	14:00
165	ISS FLIGHT DIRECTOR UPDATE	JSC	10/ 09:24	10:00 AM	11:00 AM	15:00
165	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	10/ 10:24	11:00 AM	12:00 PM	16:00
166	DISCOVERY / ISS CREW WAKE UP (begins FD 12)		10/ 11:00	11:36 AM	12:36 PM	16:36
169	DISCOVERY UNDOCKS FROM ISS		10/ 15:12	03:48 PM	04:48 PM	20:48
169	DISCOVERY FLYAROUND OF ISS BEGINS		10/ 15:37	04:13 PM	05:13 PM	21:13
170	FINAL SEPARATION FROM ISS		10/ 16:55	05:31 PM	06:31 PM	22:31

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171	RMS / OBSS LATE INSPECTION OF DISCOVERY'S TPS BEGINS		10/ 18:45	07:21 PM	08:21 PM	00:21
172	MISSION STATUS BRIEFING	JSC	10/ 20:54	09:30 PM	10:30 PM	02:30
174	OBSS BERTH		10/ 23:00	11:36 PM	12:36 AM	04:36
<b>SATURDAY, SEPTEMBER 5</b>						
<b>FD 12 / FD 13</b>						
174	SHUTTLE VTR PLAYBACK OF UNDOCKING		10/ 23:50	12:26 AM	01:26 AM	05:26
176	DISCOVERY CREW SLEEP BEGINS		11/ 02:30	03:06 AM	04:06 AM	08:06
177	FLIGHT DAY 12 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	11/ 03:24	04:00 AM	05:00 AM	09:00
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/ 07:24	08:00 AM	09:00 AM	13:00
181	DISCOVERY CREW WAKE UP (begins FD 13)		11/ 10:30	11:06 AM	12:06 PM	16:06
183	CABIN STOWAGE BEGINS		11/ 13:40	02:16 PM	03:16 PM	19:16
184	POST MISSION MANAGEMENT TEAM BRIEFING	JSC	11/ 13:54	02:30 PM	03:30 PM	19:30
184	FCS CHECKOUT		11/ 14:40	03:16 PM	04:16 PM	20:16
185	RCS HOT-FIRE TEST		11/ 15:50	04:26 PM	05:26 PM	21:26
186	DISCOVERY U.S. PAO EVENT	TDRE	11/ 17:05	05:41 PM	06:41 PM	22:41
188	BOUNDARY LAYER TRANSITION / HYTHIRM BRIEFING	JSC	11/ 20:24	09:00 PM	10:00 PM	02:00
188	KOPRA'S RECUMBENT SEAT SET UP		11/ 21:10	09:46 PM	10:46 PM	02:46
188	MISSION STATUS BRIEFING	JSC	11/ 21:24	10:00 PM	11:00 PM	03:00
190	KU-BAND ANTENNA STOWAGE		11/ 23:15	11:51 PM	12:51 AM	04:51
<b>SUNDAY, SEPTEMBER 6</b>						
<b>FD 13 / FD 14</b>						

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
192	DISCOVERY CREW SLEEP BEGINS		12/ 02:30	03:06 AM	04:06 AM	08:06
192	FLIGHT DAY 13 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	12/ 03:24	04:00 AM	05:00 AM	09:00
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/ 07:24	08:00 AM	09:00 AM	13:00
197	DISCOVERY CREW WAKE UP (begins FD 14)		12/ 10:30	11:06 AM	12:06 PM	16:06
199	DEORBIT PREPARATIONS BEGIN		12/ 14:00	02:36 PM	03:36 PM	19:36
200	PAYLOAD BAY DOOR CLOSING		12/ 15:21	03:57 PM	04:57 PM	20:57
202	DEORBIT BURN		12/ 18:01	06:37 PM	07:37 PM	23:37
203	MILA C-BAND RADAR ACQUISITION OF DISCOVERY		12/ 18:51	07:27 PM	08:27 PM	00:27
203	KSC LANDING	KSC	12/ 19:04	07:40 PM	08:40 PM	00:40
	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  
EMU: Extravehicular Mobility Unit

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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					
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					
TI:	Terminal Initiation Rendezvous Maneuver					
TDRE, W:	Tracking and Data Relay Satellite, East and West Longitudes					

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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					