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 NASA TELEVISION SCHEDULE  
 STS-131 / ISS 19A  
 LEONARDO MULTIPURPOSE LOGISTICS MODULE  
 3/31/10  
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**NASA TV** (Public, Education, Media Channels and occasional 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 Msp. 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>

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
<b>THURSDAY, APRIL 1</b>						
	STS-131 CREW ARRIVAL	KSC		6:00 AM	7:00 AM	12:00
	STS-131 COUNTDOWN PREVIEW BRIEFING	KSC		9:00 AM	10:00 AM	15:00
	EXPEDITION 23 ISS UPDATE	JSC		10:00 AM	11:00 AM	16:00
	EXPEDITION 23 SOYUZ TMA-18 PRE-LAUNCH NEWS CONFERENCE VIDEO FILE	JSC		11:00 AM	12:00 PM	17:00
	EXPEDITION 23 SOYUZ TMA-18 LAUNCH DAY CREW ACTIVITIES FEED	JSC / BAIK		9:30 PM	10:30 PM	3:30
	EXPEDITION 23 SOYUZ TMA-18 LAUNCH COVERAGE (launch scheduled at 11:04pm CT)	JSC / BAIK		10:15 PM	11:15 PM	4:15
<b>FRIDAY, APRIL 2</b>						
	EXPEDITION 23 POST-LAUNCH VIDEO FILE	JSC / BAIK		1:30 AM	2:30 AM	7:30
	STS-131 COUNTDOWN STATUS BRIEFING	KSC		9:00 AM	10:00 AM	15:00

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	EXPEDITION 23 ISS UPDATE	JSC		10:00 AM	11:00 AM	16:00
	VIDEO FILE	HQ		11:00 AM	12:00 PM	17:00
<b>SATURDAY, APRIL 3</b>						
	STS-131 PRELAUNCH NEWS CONFERENCE (Time subject to completion of Mission Management Team Meeting)	KSC		10:00 AM	11:00 AM	16:00
	ISS SCIENCE BRIEFING	KSC		12:00 PM	1:00 PM	18:00
	ISS TECHNOLOGY DEMONSTRATION BRIEFING	KSC		1:00 PM	2:00 PM	19:00
<b>SUNDAY, APRIL 4</b>						
	EXPEDITION 23 SOYUZ TMA-18 DOCKING TO ISS COVERAGE (docking scheduled at 12:26am CT; post-docking news conference follows)	JSC / MCC-M		12:00 AM	1:00 AM	6:00
	EXPEDITION 23 SOYUZ TMA-18 HATCH OPENING COVERAGE (hatch opening scheduled at 2:05am CT)	JSC / MCC-M		2:00 AM	3:00 AM	8:00
	EXPEDITION 23 SOYUZ TMA-18 WELCOMING CEREMONY (welcoming ceremony at 2:45am CT)	JSC / MCC-M		2:30 AM	3:30 AM	8:30
	EXPEDITION 23 SOYUZ TMA-18 POST-DOCKING VIDEO FILE	JSC		5:00 AM	6:00 AM	11:00
	RSS RETRACTION	KSC		8:30 AM	9:30 AM	14:30
	STS-131 FUELING COVERAGE BEGINS	KSC		7:45 PM	8:45 PM	1:45

ORBIT	SUBJECT	SITE	MET	CDT	EDT	GMT
<b>MONDAY, APRIL 5</b>						
<b>FD 1 / FD 2</b>						
	STS-131 LAUNCH COVERAGE BEGINS	KSC		12:15 AM	1:15 AM	6:15
	DISCOVERY LAUNCH	KSC	00/ 00:00	05:21 AM	06:21 AM	10:21
	MECO		00/ 00:08	05:29 AM	06:29 AM	10:29
1	NASA TELEVISION ORIGINATION SWITCHED TO JSC	JSC	00/ 00:10	05:31 AM	06:31 AM	10:31
1	NASA TELEVISION ORIGINATION SWITCHED TO KSC	KSC	00/ 00:13	05:34 AM	06:34 AM	10:34
1	LAUNCH REPLAYS (approx. 5 min. after MECO) T=30:00	KSC	00/ 00:13	05:34 AM	06:34 AM	10:34
1	ADDITIONAL LAUNCH REPLAYS FROM KSC	KSC	00/ 00:45	06:06 AM	07:06 AM	11:06
1	POST LAUNCH NEWS CONFERENCE	KSC	00/ 01:09	06:30 AM	07:30 AM	11:30
2	PAYLOAD BAY DOOR OPENING (may not be televised live)		00/ 01:25	06:46 AM	07:46 AM	11:46
3	ASCENT FLIGHT CONTROL TEAM VIDEO REPLAY	JSC	00/ 04:09	09:30 AM	10:30 AM	14:30
4	EXTERNAL TANK HANDHELD VIDEO DOWNLINK		00/ 04:35	09:56 AM	10:56 AM	14:56
5	DISCOVERY CREW SLEEP BEGINS		00/ 06:00	11:21 AM	12:21 PM	16:21
5	FLIGHT DAY 1 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	00/ 06:39	12:00 PM	01:00 PM	17:00
6	VIDEO FILE	HQ	00/ 08:39	02:00 PM	03:00 PM	19:00
10	DISCOVERY CREW WAKE UP (begins FD 2)		00/ 14:00	07:21 PM	08:21 PM	00:21
12	RMS CHECKOUT		00/ 16:45	10:06 PM	11:06 PM	03:06
12	OBSS UNBERTH		00/ 17:30	10:51 PM	11:51 PM	03:51
<b>TUESDAY, APRIL 6</b>						
<b>FD 2 / FD 3</b>						
13	RMS/OBSS SURVEY OF DISCOVERY TPS BEGINS		00/ 18:45	12:06 AM	01:06 AM	05:06
16	MISSION STATUS BRIEFING	JSC	00/ 23:39	05:00 AM	06:00 AM	10:00

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>		<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
16	OBSS BERTH			00/ 23:55	05:16 AM	06:16 AM	10:16
17	RENDEZVOUS TOOL CHECKOUT / CENTERLINE CAMERA INSTALLATION			01/ 01:00	06:21 AM	07:21 AM	11:21
18	ODS RING EXTENSION			01/ 03:10	08:31 AM	09:31 AM	13:31
20	DISCOVERY CREW SLEEP BEGINS			01/ 06:00	11:21 AM	12:21 PM	16:21
21	FLIGHT DAY 2 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC		01/ 06:39	12:00 PM	01:00 PM	17:00
22	VIDEO FILE	HQ		01/ 08:39	02:00 PM	03:00 PM	19:00
23	MMT BRIEFING	JSC		01/ 10:39	04:00 PM	05:00 PM	21:00
26	DISCOVERY CREW WAKE UP (begins FD 3)			01/ 14:00	07:21 PM	08:21 PM	00:21
27	RENDEZVOUS OPERATIONS BEGIN			01/ 15:45	09:06 PM	10:06 PM	02:06
<b>WEDNESDAY, APRIL 7</b>							
<b>FD 3 / FD 4</b>							
29	TI BURN			01/ 18:47	12:08 AM	01:08 AM	05:08
30	DISCOVERY RPM / ISS CREW VIDEO DOCUMENTATION BEGINS			01/ 20:21	01:42 AM	02:42 AM	06:42
31	DISCOVERY / ISS DOCKING (may not be televised live)			01/ 21:23	02:44 AM	03:44 AM	07:44
32	DISCOVERY / ISS CREW HATCH OPENING AND WELCOME CEREMONY			01/ 23:20	04:41 AM	05:41 AM	09:41
32	MISSION STATUS BRIEFING	JSC		02/ 00:09	05:30 AM	06:30 AM	10:30
32	SSRMS GRAPPLE & UNBERTH OBSS			02/ 00:15	05:36 AM	06:36 AM	10:36
33	SSRMS HANDOFF OBSS TO SRMS			02/ 01:00	06:21 AM	07:21 AM	11:21
34	SHUTTLE VTR PLAYBACK OF DOCKING			02/ 03:10	08:31 AM	09:31 AM	13:31
36	ISS CREW SLEEP BEGINS			02/ 05:30	10:51 AM	11:51 AM	15:51

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36	DISCOVERY CREW SLEEP BEGINS			02/ 06:00	11:21 AM	12:21 PM	16:21
37	FLIGHT DAY 3 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC		02/ 06:39	12:00 PM	01:00 PM	17:00
38	VIDEO FILE	HQ		02/ 08:39	02:00 PM	03:00 PM	19:00
39	HIGH DEFINITION FLIGHT DAY 3 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 5:00pm CT and 6:00pm CT)	JSC		02/ 09:39	03:00 PM	04:00 PM	20:00
39	MMT BRIEFING	JSC		02/ 09:39	03:00 PM	04:00 PM	20:00
40	ISS FLIGHT DIRECTOR UPDATE	JSC		02/ 11:39	05:00 PM	06:00 PM	22:00
41	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC		02/ 13:39	07:00 PM	08:00 PM	00:00
41	DISCOVERY / ISS CREW WAKE UP (begins FD 4)			02/ 14:00	07:21 PM	08:21 PM	00:21
43	SSRMS GRAPPLE & UNBERTH MPLM FROM DISCOVERY			02/ 16:00	09:21 PM	10:21 PM	02:21
44	DISCOVERY / ISS TRANSFERS BEGIN			02/ 17:15	10:36 PM	11:36 PM	03:36
44	SSRMS INSTALLS MPLM ON UNITY			02/ 17:50	11:11 PM	12:11 AM	04:11

**THURSDAY, APRIL 8**

**FD 4 / FD 5**

45	MISSION STATUS BRIEFING	JSC		02/ 19:39	01:00 AM	02:00 AM	06:00
48	MPLM ACTIVATION BEGINS			02/ 23:25	04:46 AM	05:46 AM	09:46
49	MPLM INGRESS			03/ 01:40	07:01 AM	08:01 AM	12:01
49	U.S. PAO EVENT	ISS Ku		03/ 01:55	07:16 AM	08:16 AM	12:16
49	EVA # 1 CREW PROCEDURE REVIEW			03/ 02:15	07:36 AM	08:36 AM	12:36
51	EVA # 1 CAMPOUT BEGINS (Mastracchio and Anderson)			03/ 04:55	10:16 AM	11:16 AM	15:16
52	ISS CREW SLEEP BEGINS			03/ 06:00	11:21 AM	12:21 PM	16:21
52	DISCOVERY CREW SLEEP BEGINS			03/ 06:30	11:51 AM	12:51 PM	16:51

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
52	FLIGHT DAY 4 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	03/ 06:39	12:00 PM	01:00 PM	17:00
54	VIDEO FILE	HQ	03/ 08:39	02:00 PM	03:00 PM	19:00
54	HIGH DEFINITION FLIGHT DAY 4 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 5:00pm CT and 6:00pm CT)	JSC	03/ 09:39	03:00 PM	04:00 PM	20:00
54	MMT BRIEFING	JSC	03/ 09:39	03:00 PM	04:00 PM	20:00
56	ISS FLIGHT DIRECTOR UPDATE	JSC	03/ 11:39	05:00 PM	06:00 PM	22:00
57	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	03/ 14:09	07:30 PM	08:30 PM	00:30
57	DISCOVERY / ISS CREW WAKE UP (begins FD 5)		03/ 14:30	07:51 PM	08:51 PM	00:51
58	EVA # 1 PREPARATIONS RESUME		03/ 15:05	08:26 PM	09:26 PM	01:26
60	DISCOVERY / ISS TRANSFERS RESUME		03/ 17:45	11:06 PM	12:06 AM	04:06
<b>FRIDAY, APRIL 9</b>						
<b>FD 5 / FD 6</b>						
61	EVA # 1 BEGINS (Mastracchio and Anderson)		03/ 19:20	12:41 AM	01:41 AM	05:41
61	S1 OLD ATA FGB RETRIEVAL & ATA FLUID LINE		03/ 19:35	12:56 AM	01:56 AM	05:56
61	ATA REMOVAL PREPARATIONS IN PAYLOAD BAY		03/ 19:50	01:11 AM	02:11 AM	06:11
62	HANDOFF NEW ATA TO SSRMS / SSRMS MANEUVERS TO ESP-2		03/ 20:50	02:11 AM	03:11 AM	07:11
62	MPAC/SEED EXPERIMENT REMOVAL FROM JEF		03/ 21:35	02:56 AM	03:56 AM	07:56
63	AGB RETRIEVAL FROM ESP-2 / INSTALLATION ON ATA		03/ 22:20	03:41 AM	04:41 AM	08:41
63	S0 RGA #1 REMOVAL / REPLACEMENT		03/ 23:05	04:26 AM	05:26 AM	09:26
64	P6 BATTERY REMOVAL/REPLACEMENT		04/ 00:20	05:41 AM	06:41 AM	10:41
65	EVA # 1 ENDS		04/ 01:50	07:11 AM	08:11 AM	12:11

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66	MISSION STATUS BRIEFING	JSC	04/	04:09	09:30 AM	10:30 AM	14:30
68	ISS CREW SLEEP BEGINS		04/	06:30	11:51 AM	12:51 PM	16:51
68	DISCOVERY CREW SLEEP BEGINS		04/	07:00	12:21 PM	01:21 PM	17:21
69	FLIGHT DAY 5 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	04/	07:39	01:00 PM	02:00 PM	18:00
69	VIDEO FILE	HQ	04/	08:39	02:00 PM	03:00 PM	19:00
70	HIGH DEFINITION FLIGHT DAY 5 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 5:00pm CT and 6:00pm CT)	JSC	04/	09:39	03:00 PM	04:00 PM	20:00
72	ISS FLIGHT DIRECTOR UPDATE	JSC	04/	12:09	05:30 PM	06:30 PM	22:30
73	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	04/	14:39	08:00 PM	09:00 PM	01:00
74	DISCOVERY / ISS CREW WAKE UP (begins FD 6)		04/	15:00	08:21 PM	09:21 PM	01:21
76	WORF TRANSFER		04/	18:05	11:26 PM	12:26 AM	04:26
76	OBSS FOCUSED INSPECTION OF DISCOVERY'S TPS (if required)		04/	18:30	11:51 PM	12:51 AM	04:51

**SATURDAY, APRIL 10**

**FD 6 / FD 7**

77	ZSR TRANSFER		04/	19:30	12:51 AM	01:51 AM	05:51
79	U.S. PAO EVENT	ISS Ku	04/	22:45	04:06 AM	05:06 AM	09:06
81	EVA # 2 PROCEDURE REVIEW		05/	02:55	08:16 AM	09:16 AM	13:16
82	U.S. PAO EDUCATION EVENT	ISS Ku	05/	04:15	09:36 AM	10:36 AM	14:36
83	MISSION STATUS BRIEFING	JSC	05/	04:39	10:00 AM	11:00 AM	15:00
83	EVA # 2 CAMPOUT BEGINS (Mastracchio and Anderson)		05/	05:25	10:46 AM	11:46 AM	15:46
84	ISS CREW SLEEP BEGINS		05/	06:30	11:51 AM	12:51 PM	16:51

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84	DISCOVERY CREW SLEEP BEGINS			05/ 07:00	12:21 PM	01:21 PM	17:21
85	FLIGHT DAY 6 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC		05/ 07:39	01:00 PM	02:00 PM	18:00
86	HIGH DEFINITION FLIGHT DAY 6 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 5:00pm CT and 6:00pm CT)	JSC		05/ 09:39	03:00 PM	04:00 PM	20:00
87	ISS FLIGHT DIRECTOR UPDATE	JSC		05/ 12:09	05:30 PM	06:30 PM	22:30
89	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC		05/ 14:39	08:00 PM	09:00 PM	01:00
89	DISCOVERY / ISS CREW WAKE UP (begins FD 7)			05/ 15:00	08:21 PM	09:21 PM	01:21
90	EVA # 2 PREPARATIONS RESUME			05/ 15:40	09:01 PM	10:01 PM	02:01
91	DISCOVERY / ISS TRANSFERS RESUME			05/ 17:40	11:01 PM	12:01 AM	04:01
<b>SUNDAY, APRIL 11</b>							
<b>FD 7 / FD 8</b>							
93	EVA # 2 BEGINS (Mastracchio and Anderson)			05/ 19:55	01:16 AM	02:16 AM	06:16
93	RELEASE S1 OLD ATA & HANDOFF TO SSRMS			05/ 20:10	01:31 AM	02:31 AM	06:31
93	OLD S1 ATA TIEDOWN TO PORT CETA CART			05/ 21:10	02:31 AM	03:31 AM	07:31
94	P1 GRAPPLE FIXTURE STOWAGE BEAM INSTALL			05/ 21:55	03:16 AM	04:16 AM	08:16
94	AGB REMOVAL FROM NEW ATA			05/ 22:25	03:46 AM	04:46 AM	08:46
94	INSTALL NEW ATA ON S1 TRUSS			05/ 22:55	04:16 AM	05:16 AM	09:16
95	NEW ATA ELECTRICAL & FLUID LINE CONNECTIONS			05/ 23:40	05:01 AM	06:01 AM	10:01
96	RELEASE OLD ATA FROM CETA CART & INSTALL AGB			06/ 00:25	05:46 AM	06:46 AM	10:46
96	AIRLOCK MMOD SHIELD RETRIEVAL FROM ESP-2			06/ 01:25	06:46 AM	07:46 AM	11:46
97	EVA # 2 ENDS			06/ 02:25	07:46 AM	08:46 AM	12:46
98	MISSION STATUS BRIEFING	JSC		06/ 04:39	10:00 AM	11:00 AM	15:00

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
100	ISS CREW SLEEP BEGINS		06/ 07:00	12:21 PM	01:21 PM	17:21
100	DISCOVERY CREW SLEEP BEGINS		06/ 07:30	12:51 PM	01:51 PM	17:51
100	FLIGHT DAY 7 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	06/ 07:39	01:00 PM	02:00 PM	18:00
102	HIGH DEFINITION FLIGHT DAY 7 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 6:00pm CT and 7:00pm CT)	JSC	06/ 10:39	04:00 PM	05:00 PM	21:00
104	ISS FLIGHT DIRECTOR UPDATE	JSC	06/ 12:39	06:00 PM	07:00 PM	23:00
105	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	06/ 15:09	08:30 PM	09:30 PM	01:30
105	DISCOVERY / ISS CREW WAKE UP (begins FD 8)		06/ 15:30	08:51 PM	09:51 PM	01:51
107	CREW OFF DUTY PERIOD BEGINS		06/ 18:30	11:51 PM	12:51 AM	04:51

**MONDAY, APRIL 12**

**FD 8 / FD 9**

109	MISSION STATUS BRIEFING	JSC	06/ 20:39	02:00 AM	03:00 AM	07:00
111	JAXA PAO EVENT	ISS Ku	07/ 00:20	05:41 AM	06:41 AM	10:41
111	MPLM TRANSFERS RESUME		07/ 00:30	05:51 AM	06:51 AM	10:51
112	INTERPRETED REPLAY OF JAXA PAO EVENT	JSC	07/ 01:39	07:00 AM	08:00 AM	12:00
113	EVA #3 PROCEDURE REVIEW		07/ 03:25	08:46 AM	09:46 AM	13:46
114	U.S. PAO EVENT	ISS Ku	07/ 04:25	09:46 AM	10:46 AM	14:46
115	EVA # 3 CAMPOUT BEGINS (Mastracchio and Anderson)		07/ 06:25	11:46 AM	12:46 PM	16:46
116	ISS CREW SLEEP BEGINS		07/ 07:30	12:51 PM	01:51 PM	17:51
116	DISCOVERY CREW SLEEP BEGINS		07/ 08:00	01:21 PM	02:21 PM	18:21
117	FLIGHT DAY 8 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	07/ 08:39	02:00 PM	03:00 PM	19:00
117	VIDEO FILE	HQ	07/ 09:39	03:00 PM	04:00 PM	20:00

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119	HIGH DEFINITION FLIGHT DAY 8 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 7:00pm CT and 8:00pm CT)	JSC	07/ 11:39	05:00 PM	06:00 PM	22:00
119	ISS FLIGHT DIRECTOR UPDATE	JSC	07/ 12:39	06:00 PM	07:00 PM	23:00
121	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	07/ 15:39	09:00 PM	10:00 PM	02:00
121	DISCOVERY / ISS CREW WAKE UP (begins FD 9)		07/ 16:00	09:21 PM	10:21 PM	02:21
122	EVA #3 PREPARATIONS RESUME		07/ 16:35	09:56 PM	10:56 PM	02:56
123	DISCOVERY / ISS TRANSFERS RESUME		07/ 18:35	11:56 PM	12:56 AM	04:56
<b>TUESDAY, APRIL 13</b>						
<b>FD 9 / FD 10</b>						
124	SSRMS REMOVES OLD ATA FROM MBS		07/ 19:55	01:16 AM	02:16 AM	06:16
125	EVA #3 BEGINS (Mastracchio and Anderson)		07/ 20:50	02:11 AM	03:11 AM	07:11
125	AGB REMOVAL FROM OLD ATA		07/ 21:05	02:26 AM	03:26 AM	07:26
126	SSRMS INSTALLS OLD ATA IN DISCOVERY'S PAYLOAD BAY		07/ 22:05	03:26 AM	04:26 AM	08:26
127	LWAPA RETRIEVAL FROM COLUMBUS & INSTALL IN DISCOVERY'S PAYLOAD BAY		07/ 23:50	05:11 AM	06:11 AM	10:11
127	CLPA #1 INSTALL ON SPDM/ CAMERA PORT #13 LIGHT REMOVAL / REPLACEMENT		08/ 00:20	05:41 AM	06:41 AM	10:41
129	EVA #3 ENDS		08/ 03:20	08:41 AM	09:41 AM	13:41
131	MISSION STATUS BRIEFING	JSC	08/ 05:39	11:00 AM	12:00 PM	16:00
132	ISS CREW SLEEP BEGINS		08/ 08:30	01:51 PM	02:51 PM	18:51
133	DISCOVERY CREW SLEEP BEGINS		08/ 09:00	02:21 PM	03:21 PM	19:21

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>		<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
133	FLIGHT DAY 9 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	08/	09:39	03:00 PM	04:00 PM	20:00
134	VIDEO FILE	HQ	08/	10:39	04:00 PM	05:00 PM	21:00
135	HIGH DEFINITION FLIGHT DAY 10 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00pm CT and 10:00pm CT)	JSC	08/	12:39	06:00 PM	07:00 PM	23:00
136	ISS FLIGHT DIRECTOR UPDATE	JSC	08/	14:39	08:00 PM	09:00 PM	01:00
138	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	08/	16:39	10:00 PM	11:00 PM	03:00
138	DISCOVERY / ISS CREW WAKE UP (begins FD 10)		08/	17:00	10:21 PM	11:21 PM	03:21
<b>WEDNESDAY, APRIL 14</b>							
<b>FD 10 / FD 11</b>							
140	DISCOVERY / ISS TRANSFERS RESUME		08/	20:00	01:21 AM	02:21 AM	06:21
141	HARMONY CBM CONTROL PANEL ASSEMBLY INSTALL		08/	21:30	02:51 AM	03:51 AM	07:51
143	JOINT CREW NEWS CONFERENCE	ISS Ku	09/	01:10	06:31 AM	07:31 AM	11:31
144	CREW OFF DUTY PERIOD		09/	01:50	07:11 AM	08:11 AM	12:11
146	INTERPRETED REPLAY OF JOINT CREW NEWS CONFERENCE	JSC	09/	04:39	10:00 AM	11:00 AM	15:00
147	U.S. PAO EDUCATION EVENT	ISS Ku	09/	06:50	12:11 PM	01:11 PM	17:11
147	MISSION STATUS BRIEFING	JSC	09/	07:24	12:45 PM	01:45 PM	17:45
149	ISS CREW SLEEP BEGINS		09/	09:30	02:51 PM	03:51 PM	19:51
149	DISCOVERY CREW SLEEP BEGINS		09/	10:00	03:21 PM	04:21 PM	20:21
150	FLIGHT DAY 10 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	09/	10:39	04:00 PM	05:00 PM	21:00
150	VIDEO FILE	HQ	09/	11:39	05:00 PM	06:00 PM	22:00

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
151	HIGH DEFINITION FLIGHT DAY 10 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00pm CT and 10:00pm CT)	JSC	09/ 12:39	06:00 PM	07:00 PM	23:00
153	ISS FLIGHT DIRECTOR UPDATE	JSC	09/ 15:39	09:00 PM	10:00 PM	02:00
154	ISS FLIGHT DIRECTOR UPDATE REPLAY	JSC	09/ 17:39	11:00 PM	12:00 AM	04:00
154	DISCOVERY / ISS CREW WAKE UP (begins FD 11)		09/ 18:00	11:21 PM	12:21 AM	04:21
<b>THURSDAY, APRIL 15</b>						
<b>FD 11 / FD 12</b>						
156	MPLM EGRESS	JSC	09/ 20:30	01:51 AM	02:51 AM	06:51
159	SSRMS GRAPPLES MPLM	JSC	10/ 01:05	06:26 AM	07:26 AM	11:26
160	SSRMS UNINSTALLS MPLM & BERTHS IN DISCOVERY'S PAYLOAD BAY	JSC	10/ 02:20	07:41 AM	08:41 AM	12:41
161	MISSION STATUS BRIEFING	JSC	10/ 03:39	09:00 AM	10:00 AM	14:00
162	DISCOVERY / ISS FAREWELL & HATCH CLOSURE	JSC	10/ 05:35	10:56 AM	11:56 AM	15:56
162	RENDEZVOUS TOOL CHECKOUT	JSC	10/ 05:50	11:11 AM	12:11 PM	16:11
163	CENTERLINE CAMERA INSTALLATION		10/ 06:30	11:51 AM	12:51 PM	16:51
164	ISS CREW SLEEP BEGINS		10/ 09:30	02:51 PM	03:51 PM	19:51
165	DISCOVERY CREW SLEEP BEGINS		10/ 10:00	03:21 PM	04:21 PM	20:21
165	FLIGHT DAY 11 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	10/ 10:39	04:00 PM	05:00 PM	21:00
166	VIDEO FILE	HQ	10/ 11:39	05:00 PM	06:00 PM	22:00
167	HIGH DEFINITION FLIGHT DAY 11 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00pm CT and 10:00pm CT)	JSC	10/ 12:39	06:00 PM	07:00 PM	23:00
170	DISCOVERY / ISS CREW WAKE UP (begins FD 12)		10/ 18:00	11:21 PM	12:21 AM	04:21

ORBIT	SUBJECT	SITE	MET	CDT	EDT	GMT
<b>FRIDAY, APRIL 16</b>						
<b>FD 12 / FD 13</b>						
172	DISCOVERY UNDOCKS FROM ISS		10/ 21:34	02:55 AM	03:55 AM	07:55
173	DISCOVERY FLYAROUND OF ISS BEGINS		10/ 21:59	03:20 AM	04:20 AM	08:20
174	DISCOVERY FINAL SEPARATION FROM ISS		10/ 23:17	04:38 AM	05:38 AM	09:38
174	SHUTTLE VTR PLAYBACK OF UNDOCKING		11/ 00:30	05:51 AM	06:51 AM	10:51
175	RMS / OBSS LATE INSPECTION OF DISCOVERY'S TPS BEGINS		11/ 01:20	06:41 AM	07:41 AM	11:41
176	MISSION STATUS BRIEFING	JSC	11/ 03:39	09:00 AM	10:00 AM	14:00
178	OBSS BERTH		11/ 05:35	10:56 AM	11:56 AM	15:56
181	DISCOVERY CREW SLEEP BEGINS		11/ 10:00	03:21 PM	04:21 PM	20:21
181	FLIGHT DAY 12 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	11/ 10:39	04:00 PM	05:00 PM	21:00
182	VIDEO FILE	HQ	11/ 11:39	05:00 PM	06:00 PM	22:00
182	HIGH DEFINITION FLIGHT DAY 12 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00pm CT and 10:00pm CT)	JSC	11/ 12:39	06:00 PM	07:00 PM	23:00
186	DISCOVERY CREW WAKE UP (begins FD 13)		11/ 18:00	11:21 PM	12:21 AM	04:21
<b>SATURDAY, APRIL 17</b>						
<b>FD 13 / FD 14</b>						
188	CABIN STOWAGE BEGINS		11/ 21:00	02:21 AM	03:21 AM	07:21
188	FCS CHECKOUT		11/ 21:20	02:41 AM	03:41 AM	07:41
189	RCS HOT-FIRE TEST		11/ 22:30	03:51 AM	04:51 AM	08:51
191	DISCOVERY U.S. PAO EVENT	TDRE	12/ 01:15	06:36 AM	07:36 AM	11:36
192	MISSION STATUS BRIEFING	JSC	12/ 04:09	09:30 AM	10:30 AM	14:30

<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
194	KU-BAND ANTENNA STOWAGE		12/ 06:50	12:11 PM	01:11 PM	17:11
196	DISCOVERY CREW SLEEP BEGINS		12/ 10:00	03:21 PM	04:21 PM	20:21
197	FLIGHT DAY 13 HIGHLIGHTS (replayed on the hour during crew sleep)	JSC	12/ 10:39	04:00 PM	05:00 PM	21:00
198	HIGH DEFINITION FLIGHT DAY 13 CREW HIGHLIGHTS (if available; on the NASA-TV HDTV Channel; replays at 9:00pm CT and 10:00pm CT)	JSC	12/ 12:39	06:00 PM	07:00 PM	23:00
202	DISCOVERY CREW WAKE UP (begins FD 14)		12/ 18:00	11:21 PM	12:21 AM	04:21

**SUNDAY, APRIL 18**

204	DEORBIT PREPARATIONS BEGIN		12/ 21:10	02:31 AM	03:31 AM	07:31
205	PAYLOAD BAY DOOR CLOSING		12/ 22:26	03:47 AM	04:47 AM	08:47
206	DISCOVERY DEORBIT BURN		13/ 01:06	06:27 AM	07:27 AM	11:27
207	MILA C-BAND RADAR ACQUISITION OF DISCOVERY		13/ 01:55	07:16 AM	08:16 AM	12:16
207	DISCOVERY LANDING	KSC	13/ 02:08	07:29 AM	08:29 AM	12:29
	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-131 MISSION HIGHLIGHTS VIDEO REPLAY (replayed after Entry Flight Control Team Video)	JSC		~ L+3.5 HRS.		
	STS-131 POST-LANDING CREW NEWS CONFERENCE (CDR and available crewmembers)	JSC		~ L+4.5 HRS.		



<u>ORBIT</u>	<u>SUBJECT</u>	<u>SITE</u>	<u>MET</u>	<u>CDT</u>	<u>EDT</u>	<u>GMT</u>
NET:	No Earlier Than					
OBSS:	Orbiter Boom Sensor System					
ODS:	Orbiter Docking System					
OGS:	Oxygen Generation System on ISS					
OMS:	Orbital Maneuvering System					
ORU:	Orbital Replacement Unit					
OTP:	ORU and Tool Platform					
PAO:	Public Affairs office					
PMA 3:	Pressurized Mating Adapter 3 on ISS					
RCS:	Reaction Control System					
RGA:	Rate Gyro Assembly					
RMS:	Remote Manipulator System on DISCOVERY					
RPM:	Rendezvous Pitch Maneuver					
SPDM:	Special Purpose Dextrous Manipulator (Dextre)					
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					
TPS:	Thermal Protection System					
Tranquility:	Node 3 on ISS					
Unity:	Node 1 on ISS					
VTR:	Videotape Recorder					
WLE:	Wing Leading Edge					
WORF:	Window Observational Research Facility					
WRS:	Water Recovery System on ISS					
ZSR:	Zero-gravity Stowage Rack					