

129TI_T67

C/A Altitude = 7461.9 km

Delivered: June 12, 2009

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2010-095T02:49:00	2010-095T02:55:00	I/P Update - Beginning of S59 Sequence	XBAND to Earth, POS_X to NEP	DFPW Normal	S_N_ER_3	Pointing chosen to match Downlink attitude at end of S58 (Saturn 128_129 segment)
2010-095T02:55:00	2010-095T03:29:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to Sun	DFPW Normal	S_N_ER_3	23.6 min., no FR violations, safe Waypoint for entire segment
2010-095T03:29:00	C/A - 12:06:21	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A - 12:06:21	-10:00	CIRS	Template N	DFPW Normal	S_N_ER_3	
-10:00	-09:00	ISS	Template N	DFPW Normal	S_N_ER_3	
-09:00	-05:00	CIRS	Template R	DFPW Normal	S_N_ER_3	
-05:00	-02:15	CIRS	Template T	DFPW Normal	S_N_ER_3	
-02:15	-01:15	CIRS		DFPW Normal	S_N_ER_3	Northern Latitudes
-01:15	-00:45	CIRS		DFPW Normal	S_N_ER_3	Northern Latitudes
-00:45	-00:15	CIRS		DFPW Normal	S_N_ER_3	Northern Latitudes
-00:15	-00:10	ISS Turn to ISS attitude	NEG_Y to Titan, NEG_X to SUN	DFPW Normal	S_N_ER_3	
-00:10	0	ISS		DFPW Normal	S_N_ER_3	
2010-095T15:50:38		CLOSEST APPROACH				
0	+02:00	ISS		DFPW Normal	S_N_ER_3	
+02:00	+04:00	ISS	Template J	DFPW Normal	S_N_ER_3	
+04:00	+05:00	CIRS	Template J	DFPW Normal	S_N_ER_3	
+05:00	+09:00	ISS	Template H	DFPW Normal	S_N_ER_3	
+09:00	+14:00	VIMS	Template V	DFPW Normal	S_N_ER_3	
+14:00	C/A + 14:48:39	VIMS	Template B	DFPW Normal	S_N_ER_3	
C/A + 14:48:39	2010-096T06:54:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2010-096T06:54:00	2010-096T07:22:00	SP Turn to Earth for Downlink	Part 1 of 2-part Turn: Turn to XBAND to Earth, NEG_Y to Saturn, (0.0,-45 deg offset)	DFPW Normal	S_N_ER_3	25.6 min turn duration. (need to break up Downlink turn to avoid ORS FR violations)
2010-096T07:22:00	2010-096T07:34:00	SP Turn to Earth for Downlink	Part 2 of 2-part Turn: Turn to Downlink attitude secondary: NEG_Y to 270.5/-10.9	DFPW Normal	S_N_ER_3	6.14 min turn duration. Secondary pointing is RA/DEC equivalent of MIMI-preferred NEG_Y to Saturn with (0.0, 0.0, -9.5 deg) offset
2010-096T07:34:00	2010-096T16:34:00	Canberra 70M Array	XBAND to Earth, NEG_Y to 270.5/-10.9	DFPW Normal	RTE_N_SPB	Array for RSS GSE (Gravity Science Enhancement)