

133TI T70

C/A Altitude = 880 km

Delivered: October 16, 2009

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2010-171T11:11:00	2010-171T11:51:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to Sun	DFPW Normal	S_N_ER_3	
2010-171T11:51:00	C/A - 13:21:17	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A - 13:21:17	-13:00	CIRS	Template M4	DFPW Normal	S_N_ER_3	
-13:00	-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	
		Begin Custom Period				
-02:15	-01:15	CIRS	CIRS turns to CAPS attitude	DFPW Normal	S_N_ER_3	CAPS Rider
-01:15	-01:14	RWA to RCS Transition	Suspend SID (SRU violations)	ORSRCS	S_N_ER_3	Set deadband to (2, 2, 2 mrad)
-01:14	-00:29	CAPS	Requires sit-and-stare	ORSRCS	S_N_ER_3	
-00:29	0	MAG Science; Engineering Prime	Minimum Torque Attitude required to be stable; ENGR turns from CAPS attitude	ORSRCS	S_N_ER_3	
2010-172T01:27:43		CLOSEST APPROACH				Lowest flyby altitude of the mission
0	+00:27	MAG Science; Engineering Prime	ENGR turns to UVIS attitude for occultation prior to transition. Must be at occultation attitude by +00:27	ORSRCS	S_N_ER_3	
+00:27	+00:48:05	RCS to RWA Transition	Enable SID, UVIS Stellar Occultation	ORSRCS	S_N_ER_3	Set deadband to (0.5, 0.5, 0.5 mrad) through the transition for UVIS
+00:48:05	+01:07	UVIS Stellar Occultation	Stellar Occultation: Alpha Virginis	DFPW Normal	S_N_ER_3	
+01:07	+02:00	VIMS	VIMS turns from UVIS attitude	DFPW Normal	S_N_ER_3	
		End Custom Period				
+02:00	+05:00	VIMS	Template Y	DFPW Normal	S_N_ER_3	
+05:00	+08:30	VIMS	Template I	DFPW Normal	S_N_ER_3	
+08:30	+09:00	ISS	Template I	DFPW Normal	S_N_ER_3	
+09:00	C/A + 14:00	VIMS	Template V	DFPW Normal	S_N_ER_3	
C/A + 14:00	2010-172T15:43:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2010-172T15:43:00	2010-172T16:23:00	SP Turn to Earth for Downlink	XBAND to Earth, POS_X to NEP	DFPW Normal	S_N_ER_3	
2010-172T16:23:00	2010-172T22:00:00	Madrid 70M		DFPW Normal	RTE_N_SPB	Note: G70 is down for extended maintenance.
2010-172T22:00:00	2010-173T04:56:00	Goldstone 34M HEF		DFPW Normal	RTE_N_SPB	Dual Playback for ENGR/AACS, -00:29 to +00:18
2010-173T04:56:00	2010-173T05:36:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to Sun	DFPW Normal	S_N_ER_3	
2010-173T05:36:00	2010-173T07:36:00	CAPS	Magnetosphere Boundary Pointing Campaign	DFPW Normal	S_N_ER_3	
2010-173T07:36:00	2010-173T17:46:00	ISS	Long cloud observation	DFPW Normal	S_N_ER_3	
2010-173T17:46:00	2010-173T18:26:00	SP Turn to Earth for Downlink	XBAND to Earth, POS_X to NEP	DFPW Normal	S_N_ER_3	
2010-173T18:26:00	2010-173T19:56:00	CAPS		DFPW Normal	S_N_ER_3	Includes RWA Bias window
2010-173T19:56:00	2010-174T04:56:00	Goldstone 34M		DFPW Normal	RTE_N_SPB	
2010-174T04:56:00	2010-174T05:36:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to Sun	DFPW Normal	S_N_ER_3	
2010-174T05:36:00	2010-174T12:00:00	ISS	Long cloud observation	DFPW Normal	S_N_ER_3	
2010-174T12:00:00	2010-174T14:00:00	CAPS	Magnetosphere Boundary Pointing Campaign	DFPW Normal	S_N_ER_3	
2010-174T14:00:00	2010-174T15:15:00	ISS	Titan cloud monitoring	DFPW Normal	S_N_ER_3	
2010-174T15:15:00	2010-175T01:16:00	CIRS	Out of Discipline observation: Rings polarization	DFPW Normal	S_N_ER_3	
2010-175T01:16:00	2010-175T01:56:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to 269.0/2.0	DFPW Normal	S_N_ER_3	Secondary pointing is RA/DEC-equivalent of MIMI-preferred NEG_Y to Saturn with (0.0, 0.0, -9.5 deg) offset
2010-175T01:56:00	2010-175T10:56:00	Canberra 70M		DFPW TCM	RTE_N_SPB	