

**046TI\_T32**

C/A Altitude = 950 km

Delivered: December 23, 2003

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2007-164T02:54:00	2007-164T03:24:00	SP Turn to Waypoint	NEG_Y to Titan, POS_X to NTP	DFPW_Normal	S_N_ER_3	
2007-164T03:24:00	2007-164T03:39:00	OD Uncertainty Dead Time		DFPW_Normal	S_N_ER_3	
-14:07	-13:00	CIRS	Template M	DFPW_Normal	S_N_ER_3	
-13:00	-09:00	VIMS	Template O, Cloud Map	DFPW_Normal	S_N_ER_3	
-09:00	-05:00	CIRS	Template R, Mid-IR Limb	DFPW_Normal	S_N_ER_3	
-05:00	-03:00	UVIS	Template U, EUVFUV	DFPW_Normal	S_N_ER_3	
-03:00	-02:00	ISS	Template U	DFPW_Normal	S_N_ER_3	
-02:00	-01:34	SP Turn to Waypoint	VIMS_IR_SOL to Sun, NEG_X to Titan_SC_RAM	DFPW_Normal	S_N_ER_3	
		Begin Custom Period				
-01:34	-01:07	UVIS	Solar Occultation Ingress	DFPW_Normal	S_N_ER_3	
-01:07	-00:43	RWA to RCS Transition	Solar Occultation during transition	ORSRCS	S_N_ER_3	set deadband to (0.5, 0.5, 0.5 mrad)
-00:43	-00:22	VIMS	Lightning Search, Pick up at VIMS_IR_SOL to Sun, POS_Z to Limb	ORSRCS	S_N_ER_3	
-00:22	-00:15	INMS Turn to INMS Attitude	Pick up at NEG_Y to Titan, NEG_X to Titan_SC_RAM	ORSRCS	S_N_ER_2	
-00:15	+00:15	INMS	Use Secondary pointing: NEG_Y to Titan	ORSRCS	S_N_ER_2	MAPS Rider
2007-164T17:47:57		<b>CLOSEST APPROACH</b>				
+00:15	+00:22	CIRS Turn to CIRS Attitude	CIRS Limb attitude, Pick up at NEG_X to Titan_SC_RAM, NEG_Y to Titan	ORSRCS	S_N_ER_2	
+00:22	+00:46	RCS to RWA Transition		DFPW_Normal	S_N_ER_3	
+00:46	+01:02	CIRS	Limb	DFPW_Normal	S_N_ER_3	
+01:02	+02:00	VIMS	Pick up at CIRS_FP1 to Lat View, POS_Z to FOV_LIMB	DFPW_Normal	S_N_ER_3	
		End Custom Period				
+02:00	+02:18	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to Sun	DFPW_Normal	S_N_ER_3	SID violation during turn (6 min)
+02:18	+05:00	CIRS	Template E	DFPW_Normal	S_N_ER_3	
+05:00	+08:00	VIMS	Template I, Regional Map	DFPW_Normal	S_N_ER_3	
+08:00	+09:00	ISS	Template I, use NAC & WAC Body Vectors	DFPW_Normal	S_N_ER_3	
+09:00	+11:00	CIRS	Template D, pointing uses FP1 Body Vector	DFPW_Normal	S_N_ER_3	
+11:00	+13:00	ISS	Template D, Mosaic	DFPW_Normal	S_N_ER_3	
+13:00	+14:00	VIMS	Template D, Regional Map	DFPW_Normal	S_N_ER_3	
+14:00	+16:15	CIRS	Template A (modified)	DFPW_Normal	S_N_ER_3	
2007-165T10:02:00	2007-165T10:17:00	OD Uncertainty Dead Time		DFPW_Normal	S_N_ER_3	
2007-165T10:17:00	2007-165T10:47:00	SP Turn to Earth for Downlink	XBAND to Earth, POS_X to NSP	DFPW_Normal	S_N_ER_3	
2007-165T10:47:00	2007-165T20:47:00	Goldstone 70M Array		DFPW_Normal	RTE_N_SPB	