

**021TI\_T11**

C/A Altitude = 1813 km

Delivered: September 23, 2005

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2006-057T09:06:00	2006-057T09:36:00	SP Turn to Waypoint	ISS_NAC to Titan, NEG_X to Sun	DFPW Normal	S_N_ER_3	
2006-057T09:36:00	-22:30	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
-22:30	-10:00	VIMS	Global Map	DFPW Normal	S_N_ER_3	Saturn-facing side; Coordinate w/CIRS, prefer 4 microrad/sec slow scan
-10:00	-07:00	ISS	Global Map	DFPW Normal, then RSS_K_RWAF at -09:05	S_N_ER_3	5-minute dwell times Note: To calculate RSS KA on time: - 06:30 minus 15 min deadtime, minus 2 hours warmup, minus 20 minutes margin)
-07:00	-06:30	SP Turn to Earth for Downlink	XBAND to Earth, NEG_X to Sun	RSS_K_RWAF	S_N_ER_3	
-06:30	-04:30	Goldstone 34M, RSS	RSS Gravity Wing	RSS_K_RWAF	RTE_N_SPB	Try for one telemetry mode for simplification
-04:30	-04:00	SP Turn to ORS Attitude	ISS_NAC to Titan, NEG_X to Sun	RSS_K_RWAF	S_N_ER_3	
-04:00	-01:30	ISS	NAC Regional Map & High-Resolution Imaging	RSS_K_RWAF	S_N_ER_3	Good low phase, high resolution opportunity; four 5x3 mosaics; 1 min dwell times
-01:30	-01:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_X to Sun	RSS_K_RWAF	S_N_ER_3	
-01:00	+04:30	Goldstone 34M, RSS	RSS Gravity Experiment	RSS_K_RWAF	RTE_N_SPB	Goldstone and Canberra coverage required; Canberra will still be 3-way with Ka coherent with Goldstone
<b>2006-058T08:25:19</b>		<b>CLOSEST APPROACH</b>				
+04:30	+05:00	SP Turn to ORS Attitude	ISS_NAC to Titan, NEG_X to Sun	RSS_K_RWAF	S_N_ER_3	2-part Turn
+05:00	+08:30	UVIS	EUVFUV	RSS_K_RWAF	S_N_ER_3	6 microrad/sec slow continuous slew across Titan; good for CIRS temperature map
+08:30	+13:10	CIRS	Far-IR Nadir Compositional Scan	RSS_K_RWAF	S_N_ER_3	Long integration w/FP1; mid-southern latitude at 60 degrees emission angle; co-aligned ORS boresights on Titan, may choose orientation to optimize; VIMS good lighting search opportunity
+13:10	2006-058T21:51:00	OD Uncertainty Dead Time		RSS_K_RWAF	S_N_ER_3	
2006-058T21:51:00	2006-058T22:21:00	SP Turn to Earth for Downlink	XBAND to Earth, POS_X to NEP	RSS_K_RWAF	S_N_ER_3	
2006-058T22:21:00	2006-059T08:51:00	Goldstone 70M		RSS_K_RWAF	RTE_N_SPB	10.5 hrs needed to return 2 SSRs of data volume