

TOST: Handoff 013TI (T6)

Segment Boundary 2005-233T21:20 – 2005-235T13:42
Titan C/A=2005-234T08:53:37, Altitude=3758 km
Epoch = GMB_E013_Titan6

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T6 Science Objectives

CIRS - Some highlights include: limb sounding in the far-IR near 55 south, for temperatures, pressure and aerosols. This is one of very few encounters in the tour when we get far-IR limb sounding both inbound and outbound. This allows us to sound temperatures in the lower stratosphere region which is not available from nadir (surface-intercepting) measurements. The closest approach period is also of note, where we scan across the south pole, providing a unique opportunity for measurements by CIRS and RIDER instruments.

ISS - Monitor the sub-Saturn dayside and anti-Saturn nightside hemispheres and limb hazes, plus acquire a few samples of high-resolution imaging of the surface at high southern latitudes south of Xanadu, all in ridealong with CIRS.

VIMS - First detailed investigation of Titan's south polar region; cloud formation and evolution; and hot spot search.

T6 Science Objectives

MAG - the flybys T4 to T7 form again a group at ~ 5 SLT for which the upstream side of magnetospheric flow relative to Titan is also the night side. This may allow the frozen-in magnetic field to convect through the nightside ionosphere and interact with Titan's interior afterwards. T5 and T7 may thus allow the study of induction effects at northern and southern latitudes, respectively, in spite of the increased CA-altitude. T4 and T6 will allow the study of an exotic dayside wake/tail region!

UVIS - Riding with two CIRS observations to accumulate signal for spectroscopy/constituent identification.

CAPS, MIMI, RPWS, INMS - Observations of Titan's interaction with Saturn's magnetosphere.

Start Time	End Time	Prime Activity	Obs. Detail	Op Mode	TLM Mode	Comments
233T21:20	233T21:50	SP Turn to waypoint		DFPW N	SN_ER_3	NAC, Titan & NEG_X, SUN
233T21:50	233T22:05	OD Dead Time		DFPW N	SN_ER_3	
-10:48	-7:30	CIRS	FIRNADCMP	DFPW N	SN_ER_3	
-7:30	-05:00	CIRS	MIDIRLMBMAP	DFPW N	SN_ER_3	
-05:00	-02:15	CIRS	FIRNADMAP	DFPW N	SN_ER_3	
-02:15	-01:15	CIRS	FIRLMBINT	DFPW N	SN_ER_3	
-01:15	-00:45	CIRS	FIRLMBBAER	DFPW N	SN_ER_3	
-00:45	-00:10	CIRS	FIRLMBTRK	DFPW N	SN_ER_3	
-00:10	+00:10	CIRS	High Res Map	DFPW N	SN_ER_3	
+00:10	+0:45	CIRS	FIRLMBTRK	DFPW N	SN_ER_3	
+0:45	+01:15	CIRS	FIRLMBBAER	DFPW N	SN_ER_3	
+01:15	+02:15	CIRS	FIRLMBINT	DFPW N	SN_ER_3	
+02:15	+05:00	CIRS	FIRNADMAP	DFPW N	SN_ER_3	
+05:00	+7:30	CIRS	MIDIRLMBMAP	DFPW N	SN_ER_3	
+7:30	+12:00	CIRS	FIRNADCMP	DFPW N	SN_ER_3	
+12:00	+19:03	CIRS	MIDIRTMAP	DFPW N	SN_ER_3	
235T03:57	235T04:12	OD Dead Time		DFPW N	SN_ER_3	
235T04:12	235T04:42	SP Turn to Earth for downlink		DFPW N	SN_ER_3	
235T04:42	235T13:42	Madrid 70-m		DFPW N	SPB	



T6 TOL

006TI (T6)

Request	Start Time	Epoch	Duration	End Time	Rate	Mb	SPASS Type	Primary Pointing	Secondary Pointing	Pointing Agreement
CAPS_013SA_SURVEY001_RIDER	2005-231T14:00:00		002T16:53:37	2005-234T06:53:37	1000	232.8	Non-SPASS			
CAPS_013SA_SURVEY004_RIDER	2005-234T10:53:37	GMB_E013_Titan6+000T02:00:00	001T03:01:00	2005-235T13:54:37	1000	97.26	Non-SPASS			
CAPS_013SA_SURVEY008_RIDER	2005-235T13:41:00		001T07:41:00	2005-236T21:22:00	1000	114.06	Non-SPASS			
CAPS_013TI_T6CLOSE001_VIMS	2005-234T07:53:37	GMB_E013_Titan6-000T01:00:00	000T02:00:00	2005-234T09:53:37	16000	115.2	SPASS Rider			
CAPS_013TI_T6INBD001_ISS	2005-234T06:53:37	GMB_E013_Titan6-000T02:00:00	000T01:00:00	2005-234T07:53:37	4000	14.4	SPASS Rider			
CAPS_013TI_T6OUTBND001_RADAR	2005-234T09:53:37	GMB_E013_Titan6+000T01:00:00	000T01:00:00	2005-234T10:53:37	4000	14.4	SPASS Rider			
CDA_013DR_1703DUST073_RIDER	2005-233T21:05:33		006T15:24:05	2005-240T12:29:38	149.9	85.999	Non-SPASS			
CIRS_013IC_DSCAL1229_RIDER	2005-235T06:00:00		000T06:00:00	2005-235T12:00:00	4000	86.4	SPASS Rider			
CIRS_013IC_DSCALSHRT228_RIDER	2005-233T21:53:37	GMB_E013_Titan6-000T11:00:00	000T00:30:00	2005-233T22:23:37	4000	7.2	SPASS Rider			
CIRS_013TI_FIRLMBAR002_PRIME	2005-234T07:38:37	GMB_E013_Titan6-000T01:15:00	000T00:30:00	2005-234T08:08:37	2000	3.6	Prime	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBAR002_SI	2005-234T07:38:37	GMB_E013_Titan6-000T01:15:00	000T00:30:00	2005-234T08:08:37	0	2	SPASS Rider			
CIRS_013TI_FIRLMBAR003_PRIME	2005-234T09:38:37	GMB_E013_Titan6+000T00:45:00	000T00:30:00	2005-234T10:08:37	2000	3.6	Prime	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBAR003_SI	2005-234T09:38:37	GMB_E013_Titan6+000T00:45:00	000T00:30:00	2005-234T10:08:37	0	2	SPASS Rider			
CIRS_013TI_FIRLMBINT002_PRIME	2005-234T06:38:37	GMB_E013_Titan6-000T02:15:00	000T01:00:00	2005-234T07:38:37	4000	14.4	Prime	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBINT002_SI	2005-234T06:38:37	GMB_E013_Titan6-000T02:15:00	000T01:00:00	2005-234T07:38:37	0	4	SPASS Rider			
CIRS_013TI_FIRLMBINT003_PRIME	2005-234T10:08:37	GMB_E013_Titan6+000T01:15:00	000T01:00:00	2005-234T11:08:37	4000	14.4	Prime	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBINT003_SI	2005-234T10:08:37	GMB_E013_Titan6+000T01:15:00	000T01:00:00	2005-234T11:08:37	0	4	SPASS Rider			
CIRS_013TI_FIRLMBT002_PRIME	2005-234T08:08:37	GMB_E013_Titan6-000T00:45:00	000T00:35:00	2005-234T08:43:37	2000	4.2	Prime	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBT002_SI	2005-234T08:08:37	GMB_E013_Titan6-000T00:45:00	000T00:35:00	2005-234T08:43:37	0	4	SPASS Rider			
CIRS_013TI_FIRLMBT003_PRIME	2005-234T09:03:37	GMB_E013_Titan6+000T00:10:00	000T00:35:00	2005-234T09:38:37	2000	4.2	Prime	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBT003_SI	2005-234T09:03:37	GMB_E013_Titan6+000T00:10:00	000T00:35:00	2005-234T09:38:37	0	4	SPASS Rider			
CIRS_013TI_FIRNADCMPO03_PRIME	2005-233T22:05:37	GMB_E013_Titan6-000T10:48:00	000T03:18:00	2005-234T01:23:37	4000	47.52	Prime	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRNADCMPO03_SI	2005-233T22:05:37	GMB_E013_Titan6-000T10:48:00	000T03:18:00	2005-234T01:23:37	0	4	SPASS Rider			
CIRS_013TI_FIRNADCMPO04_PRIME	2005-234T16:23:37	GMB_E013_Titan6+000T07:30:00	000T04:30:00	2005-234T20:53:37	4000	64.8	Prime	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRNADCMPO04_SI	2005-234T16:23:37	GMB_E013_Titan6+000T07:30:00	000T04:30:00	2005-234T20:53:37	0	4	SPASS Rider			
CIRS_013TI_FIRNADMAP002_PRIME	2005-234T03:53:37	GMB_E013_Titan6-000T05:00:00	000T02:45:00	2005-234T06:38:37	2000	19.8	Prime	CIRS_FP1 to Titan	POS_X to North_Pole_Dir	
CIRS_013TI_FIRNADMAP002_SI	2005-234T03:53:37	GMB_E013_Titan6-000T05:00:00	000T02:45:00	2005-234T06:38:37	0	4	SPASS Rider			
CIRS_013TI_FIRNADMAP003_PRIME	2005-234T11:08:37	GMB_E013_Titan6+000T02:15:00	000T02:45:00	2005-234T13:53:37	2000	19.8	Prime	CIRS_FP1 to Titan	POS_X to North_Pole_Dir	
CIRS_013TI_FIRNADMAP003_SI	2005-234T11:08:37	GMB_E013_Titan6+000T02:15:00	000T02:45:00	2005-234T13:53:37	0	4	SPASS Rider			
CIRS_013TI_HIRESMAP002_PRIME	2005-234T08:43:37	GMB_E013_Titan6-000T00:10:00	000T00:20:00	2005-234T09:03:37	4000	4.8	Prime	CIRS_FP1 to Titan	PIC	
CIRS_013TI_HIRESMAP002_SI	2005-234T08:43:37	GMB_E013_Titan6-000T00:10:00	000T00:20:00	2005-234T09:03:37	0	4	SPASS Rider			
CIRS_013TI_MIDIRTMAP007_PRIME	2005-234T20:53:37	GMB_E013_Titan6+000T12:00:00	000T07:03:23	2005-235T03:57:00	2000	50.806	Prime	CIRS_FPB to Titan	POS_X to North_Pole_Dir	
CIRS_013TI_MIDIRTMAP007_SI	2005-234T20:53:37	GMB_E013_Titan6+000T12:00:00	000T07:03:23	2005-235T03:57:00	0	7	SPASS Rider			
CIRS_013TI_MIRLMBMAP002_PRIME	2005-234T01:23:37	GMB_E013_Titan6-000T07:30:00	000T02:30:00	2005-234T03:53:37	4000	36	Prime	CIRS_FPB to Titan	PIC	
CIRS_013TI_MIRLMBMAP002_SI	2005-234T01:23:37	GMB_E013_Titan6-000T07:30:00	000T02:30:00	2005-234T03:53:37	0	9	SPASS Rider			
CIRS_013TI_MIRLMBMAP003_PRIME	2005-234T13:53:37	GMB_E013_Titan6+000T05:00:00	000T02:30:00	2005-234T16:23:37	4000	36	Prime	CIRS_FPB to Titan	PIC	
CIRS_013TI_MIRLMBMAP003_SI	2005-234T13:53:37	GMB_E013_Titan6+000T05:00:00	000T02:30:00	2005-234T16:23:37	0	9	SPASS Rider			
ENGR_013EA_MECVROPN001_THERM	2005-235T04:52:00		000T00:06:10	2005-235T04:58:10	0	0	Non-SPASS			
INMS_013SA_SURVEY004_RIDER	2005-234T20:53:37	GMB_E013_Titan6+000T12:00:00	000T16:29:28	2005-235T13:23:05	50	2.968	Non-SPASS			
INMS_013SA_SURVEY005_RIDER	2005-235T13:23:05		001T07:58:55	2005-236T21:22:00	50	5.757	Non-SPASS			
INMS_013TI_T6CLOSE001_VIMS	2005-234T07:53:37	GMB_E013_Titan6-000T01:00:00	000T02:00:00	2005-234T09:53:37	1498	10.786	Non-SPASS			
INMS_013TI_T6INBD001_ISS	2005-233T21:12:32		000T01:22:28	2005-233T22:35:00	100	0.495	Non-SPASS			
INMS_013TI_T6INBD002_ISS	2005-233T22:35:00		000T09:18:37	2005-234T07:53:37	100	3.27	Non-SPASS			
INMS_013TI_T6OUTBD001_RADAR	2005-234T09:53:37	GMB_E013_Titan6+000T01:00:00	000T11:00:00	2005-234T20:53:37	100	3.96	Non-SPASS			
ISS_013TI_FIRNADCMPO03_CIRS	2005-233T22:18:37	GMB_E013_Titan6-000T10:35:00	000T01:00:00	2005-233T23:18:37	0	28	SPASS Rider			
ISS_013TI_FIRNADCMPO04_CIRS	2005-234T16:23:37	GMB_E013_Titan6+000T07:30:00	000T04:30:00	2005-234T20:53:37	0	128	SPASS Rider			
ISS_013TI_HIRESMAP002_CIRS	2005-234T08:43:37	GMB_E013_Titan6-000T00:10:00	000T00:20:00	2005-234T09:03:37	0	60	SPASS Rider			
ISS_013TI_LIMBPHOTO001_CIRS	2005-234T01:56:08	GMB_E013_Titan6-000T08:57:29	000T01:00:00	2005-234T02:56:08	0	300	SPASS Rider			

MAG_013OT_SURVEY008_PRIME	2005-233T21:20:00		000T07:33:37	2005-234T04:53:37	600	15.84	Non-SPASS			
MAG_013OT_SURVEY010_PRIME	2005-234T12:53:37	GMB_E013_Titan6+000T04:00:00	001T00:51:54	2005-235T13:45:31	600	53.708	Non-SPASS			
MAG_013TI_MAGTITAN001_PRIME	2005-234T04:53:37	GMB_E013_Titan6-000T04:00:00	000T08:00:00	2005-234T12:53:37	1976	56.909	Non-SPASS			
MIMI_013CO_SURVEY002_RIDER	2005-232T10:16:01		001T12:18:59	2005-233T22:35:00	900	117.665	Non-SPASS			
MIMI_013TI_T6CLOSE001_VIMS	2005-234T07:53:37	GMB_E013_Titan6-000T01:00:00	000T02:00:00	2005-234T09:53:37	2000	14.4	SPASS Rider			
MIMI_013TI_T6INBND001_ISS	2005-234T06:53:37	GMB_E013_Titan6-000T02:00:00	000T01:00:00	2005-234T07:53:37	2000	7.2	SPASS Rider			
MIMI_013TI_T6OUTBND001_RADAR	2005-234T09:53:37	GMB_E013_Titan6+000T01:00:00	000T01:00:00	2005-234T10:53:37	2000	7.2	SPASS Rider			
MIMI_013TI_TINTERACT001_ISS	2005-233T22:35:01		000T08:18:36	2005-234T06:53:37	2000	58.198	SPASS Rider			
MIMI_013TI_TINTERACT002_CIRS	2005-234T10:53:37	GMB_E013_Titan6+000T02:00:00	001T03:02:00	2005-235T13:55:37	2000	194.64	SPASS Rider			
MP_011NA_DSS43DOWN001_NA	2005-199T00:00:00		168T00:00:00	2006-002T00:00:00	0	0	Non-SPASS			
MP_012NA_SEQUENCE013_NA	2005-212T22:00:00	E012_SEQUENCE_013+000T00	029T23:43:00	2005-242T21:43:00	0	0	SPASS Note			
MP_013SA_REV013_NA	2005-223T08:04:01		017T03:34:14	2005-240T11:38:15	0	0	Non-SPASS			
MP_013SA_RPXDESCEN013_NA	2005-234T07:15:06		000T00:00:01	2005-234T07:15:07	0	0	Non-SPASS			
MP_013TI_FLYBYT006_NA	2005-234T08:39:59		000T00:00:01	2005-234T08:40:00	0	0	Non-SPASS			
RPWS_013SA_OUTSURVEY002_PRIME	2005-233T15:40:00		000T06:55:00	2005-233T22:35:00	1310	32.619	Non-SPASS			
RPWS_013SA_OUTSURVEY003_PRIME	2005-234T11:12:32		001T02:29:28	2005-235T13:42:00	1310	124.933	Non-SPASS			
RPWS_013SA_OUTSURVEY005_PRIME	2005-233T22:35:00		000T08:37:32	2005-234T07:12:32	1310	40.679	Non-SPASS			
RPWS_013TI_TIINTRMED001_PRIME	2005-234T06:53:37	GMB_E013_Titan6-000T02:00:00	000T04:00:00	2005-234T10:53:37	12499.4	179.991	Non-SPASS			
RSS_013SA_KADOWN003_RSS	2005-235T05:22:00		000T08:20:00	2005-235T13:42:00	0	0	SPASS Rider			
SP_013EA_DLTURN235_PRIME	2005-235T04:12:00		000T00:30:00	2005-235T04:42:00	0	0	Prime	XBAND to Earth	POS_X to NEP	SP Turn to Earth
SP_013EA_M70ARRNON235_PRIME	2005-235T04:42:00		000T09:00:00	2005-235T13:42:00	0	0	Prime	XBAND to Earth	POS_X to NEP	
SP_013NA_DEADTIME001_PRIME	2005-233T21:50:00		000T00:15:00	2005-233T22:05:00	0	0	Prime	ISS_NAC to Titan	NEG_X to Sun	
SP_013NA_DEADTIME002_PRIME	2005-235T03:57:00	GMB_E013_Titan6+000T19:03:23	000T00:15:00	2005-235T04:12:00	0	0	Prime	ISS_NAC to Titan	NEG_X to Sun	
SP_013NA_M70ARR2ND435_SP	2005-235T04:42:00		000T09:00:00	2005-235T13:42:00	0	0	Non-SPASS			
SP_013NA_M70ARRNON235_SP	2005-235T04:42:00		000T09:00:00	2005-235T13:42:00	0	0	Non-SPASS			
SP_013NA_M70OBSNON235_NA	2005-233T21:20:00		001T07:22:00	2005-235T04:42:00	0	0	Non-SPASS			
SP_013NA_TOSTSEG233_NA	2005-233T21:20:00		001T16:22:00	2005-235T13:42:00	0	0	SPASS Note			
SP_013TI_WAYPTTURN233_PRIME	2005-233T21:20:00		000T00:26:00	2005-233T21:46:00	0	0	Prime	ISS_NAC to Titan (0.0,0.0,-10.0 deg. offset)	NEG_X to Sun	SP Turn to Waypoint- will need to be 2-part turn
SP_013TI_WAYPTTURN433_PRIME	2005-233T21:46:00		000T00:04:00	2005-233T21:50:00	0	0	New Waypoint	ISS_NAC to Titan	NEG_X to Sun	
UVIS_013SA_FIRNADMAP002_CIRS	2005-234T03:53:37	GMB_E013_Titan6-000T05:00:00	000T12:30:00	2005-234T16:23:37	5032	226.44	SPASS Rider			
UVIS_013SW_IPHSURVEY018_RIDER	2005-235T04:42:00		000T09:00:00	2005-235T13:42:00	76	2.462	Non-SPASS			
UVIS_013TI_FIRNADCMP003_CIRS	2005-233T23:03:37	GMB_E013_Titan6-000T09:50:00	000T04:50:00	2005-234T03:53:37	1006.4	17.511	SPASS Rider			
UVIS_013TI_FIRNADCMP004_CIRS	2005-234T16:23:37	GMB_E013_Titan6+000T07:30:00	000T08:30:00	2005-235T00:53:37	1006.4	30.796	SPASS Rider			
VIMS_013TI_MIDIPTMAP001_CIRS	2005-233T23:03:37	GMB_E013_Titan6-000T09:50:00	001T04:37:00	2005-235T03:40:37	10269.9	1058	SPASS Rider			

T6 SPASS

Request	Riders	Start (SCET)	Start (Epoch)	Duration	End (SCET)	Primary	Secondary	Comments
Sequence S013, length = 30 ...		2005-212T22:00:00	E012_SEQUENCE_013+000T0	029T23:43:00	2005-242T21:43:00			
TOST rev 13 Segment		2005-233T21:20:00		001T16:22:00	2005-235T13:42:00			
SP_013TI_WAYPTTURN233_PRIME		2005-233T21:20:00		000T00:30:00	2005-233T21:50:00	ISS_NAC to Titan	NEG_X to Sun	SP Turn to Waypoint - may need to be 2-part turn
NEW WAYPOINT		2005-233T21:50:00		001T15:52:00	2005-235T13:42:00	ISS_NAC to Titan	NEG_X to Sun	
SP_013NA_DEADTIME001_PRIME	C	2005-233T21:50:00		000T00:15:00	2005-233T22:05:00	ISS_NAC to Titan	NEG_X to Sun	
CIRS_013TI_FIRNADCMP003_PRIME	C, I, M, U, V	2005-233T22:18:37	GMB_E013_Titan6-000T10:35:00	000T03:05:00	2005-234T01:23:37	CIRS_FP1 to Titan	PIC	
CIRS_013TI_MIRLMBMAP002_PRIME	C, I, M, U, V	2005-234T01:23:37	GMB_E013_Titan6-000T07:30:00	000T02:30:00	2005-234T03:53:37	CIRS_FPB to Titan	PIC	
CIRS_013TI_FIRNADMAP002_PRIME	C, M, U, V	2005-234T03:53:37	GMB_E013_Titan6-000T05:00:00	000T02:45:00	2005-234T06:38:37	CIRS_FP1 to Titan	POS_X to North_Pole_Dir	
CIRS_013TI_FIRLMBINT002_PRIME	C, M, U, V	2005-234T06:38:37	GMB_E013_Titan6-000T02:15:00	000T01:00:00	2005-234T07:38:37	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBBAER002_PRIME	C, M, U, V	2005-234T07:38:37	GMB_E013_Titan6-000T01:15:00	000T00:30:00	2005-234T08:08:37	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBT002_PRIME	C, M, U, V	2005-234T08:08:37	GMB_E013_Titan6-000T00:45:00	000T00:35:00	2005-234T08:43:37	CIRS_FP1 to Titan	PIC	
CIRS_013TI_HIRESMAP002_PRIME	C, I, M, U, V	2005-234T08:43:37	GMB_E013_Titan6-000T00:10:00	000T00:20:00	2005-234T09:03:37	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBT003_PRIME	C, I, M, U, V	2005-234T09:03:37	GMB_E013_Titan6+000T00:10:00	000T00:35:00	2005-234T09:38:37	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBBAER003_PRIME	C, M, U, V	2005-234T09:38:37	GMB_E013_Titan6+000T00:45:00	000T00:30:00	2005-234T10:08:37	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRLMBINT003_PRIME	C, M, U, V	2005-234T10:08:37	GMB_E013_Titan6+000T01:15:00	000T01:00:00	2005-234T11:08:37	CIRS_FP1 to Titan	PIC	
CIRS_013TI_FIRNADMAP003_PRIME	C, M, U, V	2005-234T11:08:37	GMB_E013_Titan6+000T02:15:00	000T02:45:00	2005-234T13:53:37	CIRS_FP1 to Titan	POS_X to North_Pole_Dir	
CIRS_013TI_MIRLMBMAP003_PRIME	C, M, U, V	2005-234T13:53:37	GMB_E013_Titan6+000T05:00:00	000T02:30:00	2005-234T16:23:37	CIRS_FPB to Titan	PIC	
CIRS_013TI_FIRNADCMP004_PRIME	C, I, M, U, V	2005-234T16:23:37	GMB_E013_Titan6+000T07:30:00	000T04:30:00	2005-234T20:53:37	CIRS_FP1 to Titan	PIC	
CIRS_013TI_MIDIPTMAP007_PRIME	C, M, U, V	2005-234T20:53:37	GMB_E013_Titan6+000T12:00:00	000T06:36:54	2005-235T03:30:31	CIRS_FPB to Titan	POS_X to North_Pole_Dir	
SP_013NA_DEADTIME002_PRIME	C, M, V	2005-235T03:27:00		000T00:15:00	2005-235T03:42:00	ISS_NAC to Titan	NEG_X to Sun	
SP_013EA_DLTURN235_PRIME	M	2005-235T03:42:00		000T01:00:00	2005-235T04:42:00	XBAND to Earth	POS_X to NEP	SP Turn to Earth
SP_013EA_M70ARRNON235_PRIME	C, M, R	2005-235T04:42:00		000T09:00:00	2005-235T13:42:00	XBAND to Earth	POS_X to NEP	

Data Volume Report

DATA VOLUME SUMMARY --- TRANSFER FRAME OVERHEAD INCLUDED (80 BITS PER 8800-BIT FRAME)

DOWNLINK PASS NAME	Start		End		OBSERVATION_PERIOD						DOWNLINK_PASS								
	doy hh:mm		doy hh:mm		P4			P5			RECORDED			PLAYBACK					
	(Mb)	(Mb)	(Mb)	(Mb)	TOTAL	CPACTY	MARGN	OPNAV	SCI	ENGR	TOTAL	CPACTY	MARGN	NET_MARGN	CAROVR				
SP_013EA_M70ARRNON235_PRIME	235	04:42	235	13:42	0	3191	107	3297	3498	200	0	257	53	3607	3834	227	226	6%	0

We are accepting 150Mb from Rings_Rev13 coming in.

DATA VOLUME REPORT --- TRANSFER FRAME OVERHEAD NOT INCLUDED

Event	Start	End	CAPS	CDA	CIRS	INMS	ISS	MAG	MIMI	RADAR	RPWS	UVIS	VIMS	PROBE	ENGR	TOTAL		
	doy hh:mm	doy hh:mm	(Mb)	(Mb)	(Mb)	(Mb)	(Mb)	(Mb)	(Mb)	(Mb)	(Mb)	(Mb)	(Mb)	(Mb)	(Mb)	(Mb)		
OBSERVATION_NOR	233	21:20	235	04:42	242.5	16.9	331.1	20.0	516.0	107.4	220.9	0.0	309.1	274.7	1058.0	0.0	0.0	3096.6
OBSERVATION_SI	233	21:20	235	04:42	0.0	0.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0
SP_013EA_M70ARRNON235_PRIME	235	04:42	235	13:42	32.5	4.9	86.4	1.6	0.0	19.4	64.8	0.0	42.4	2.5	0.0	0.0	0.0	254.5
DAILY TOTAL SCIENCE	233	21:20	235	13:42	275.0	21.8	482.5	21.6	516.0	126.8	285.7	0.0	351.5	277.2	1058.0	0.0		

Telemetry Rates

TELEMETRY MODE REPORT

SCET	TELEMETRY MODE	REQUEST
2005-233T21:20:00.000	S_N_ER_3	SP_013NA_M70OBSNON235_NA
2005-235T04:42:00.000	RTE_N_SPB_124425	SP_013EA_M70ARRNON235_PRIME
2005-235T05:22:00.000	RTE_N_SPB_142200	SP_013EA_M70ARRNON235_PRIME
2005-235T13:07:00.000	RTE_N_SPB_124425	SP_013EA_M70ARRNON235_PRIME

DSN Report

CASSINI DOWNLINK/DSN COVERAGE SUMMARY for T6_recom.apf generated on 2005-Jan-21 13:42:39

(+ = pass overlaps with previous pass; * = conflicts with DSN weekly maintenance; o = overlaps occultation)

DOWNLINK PASS					DSN PASS						
NAME	START_TO_END SCET	START_TO_END ERT	DUR hh:mm	DATA_RATES kbps	ID	START_TO_END SCET	START_TO_END ERT	DUR hh:mm	CALS min	LABEL	CNFG
M70ARRNON235	235T04:42-13:42	235T06:05-15:05	09:00	124,142,124	63	235T04:22-13:42	235T05:45-15:05	09:20	60/15	TP ARR	N003
				^-- and also -->	55	235T04:42-13:42	235T06:05-15:05	09:00	90/15	TP	N003

NAV Report

CASSINI NAVIGATION SUMMARY for CIMS_013TI_T6_2005-02-22.apf generated on 2005-Feb-22 10:54:24

(+ = pass overlaps with previous pass; * = conflicts with DSN weekly maintenance; o = overlaps occultation)

ON EARTH-LINE FOR DOWNLINK			TRACKING SUPPORT								
NAME	START_TO_END SCET	DUR hh:mm	ID	BOT_TO_EOT UTC	GND_UPLINK UTC	ARRIV_SC SCET	RCV_GND ERT	2-WAY hh:mm	DOP OK?	RNG OK?	
-(missing)--				gap in doppler data of 36 hours					NO	NO	
M70ARRNON235	235T04:42-13:42	09:00	55	235T06:05-15:05	06:15-15:00	07:38-13:42	09:01-15:05	06:04	Y?	Y?	
				^-- and also -->	63	235T06:05-15:05	06:15-14:33	07:38-13:42	09:01-15:05	06:04 Y? Y?	

T6 Open Issues

- T6 has agreed to accept 150 Mb from Rings Rev 13
- The first WP turn starting at 233T21:20 is a 2-part turn