

# **TOST: 038TI (T24) Handoff Package**

**Segment: 2007-028T12:12:00 – 2007-030T12:12:00**

**Titan C/A: 2007-029T07:15:55, Altitude = 2631 km**

**Epoch: GMB\_E038\_Titan24**

**August 25, 2006**

**Candy Hansen, Dave Mohr, Trina Ray, & Doug Equils**

**C/A= 2007-029T07:15:55 @ 2631 km**

Start Time	End Time	Prime Activity	Obs. Detail	Op Mode	TLM Mode	Comments
028T12:12	028T12:42	SP Turn to waypoint		DFPW	S_N_ER_3	
028T12:42	028T12:57	OD Dead Time		DFPW	S_N_ER_3	
-18:15	-16:00	CIRS	Mid-IR Temp Map	DFPW	S_N_ER_3	Template M (shortened)
-16:00	-15:00	ISS	Monitor	DFPW	S_N_ER_3	Template M
-15:00	-13:00	CIRS	Mid-IR Temp Map	DFPW	S_N_ER_3	Template M
-13:00	-10:00	CIRS	FP1 integration	DFPW	S_N_ER_3	Template N
-10:00	-09:00	ISS	Photometry	DFPW	S_N_ER_3	Template N
-09:00	-03:00	UVIS	EUVFUV slow scans	DFPW	S_N_ER_3	Templates P & U
-03:00	-02:00	ISS	Regional Map	DFPW	S_N_ER_3	Template U
-02:00		Begin Custom Period				
-02:00	-00:23	CIRS		DFPW	S_N_ER_3	
-00:23	-00:17	VIMS	Stellar Occ	DFPW	S_N_ER_3	
-00:17	+02:00	VIMS	High Res	DFPW	S_N_ER_3	Template J
+02:00		End Custom Period				
+02:00	+04:00	ISS	Regional Map			
+04:00	+05:00	CIRS		DFPW	S_N_ER_3	Template J
+05:00	+09:00	CIRS	Limb Map	DFPW	S_N_ER_3	Template F
+09:00	+14:00	CIRS		DFPW	S_N_ER_3	Template C
+14:00	+19:14	CIRS	Mid-IR Temp Map	DFPW/RSSK	S_N_ER_3	RSSK at 00:51:10
030T02:27	030T02:42	OD Dead Time		DFPW	S_N_ER_3	
030T02:42	030T03:12	SP turn to downlink		DFPW	S_N_ER_3	
030T03:12	030T12:12	Goldstone		DFPW	RTE_N_SPB	

Request	Start Time	Epoch	Duration	End Time	Rate	Mb	SPASS Type	Primary Pointing	Secondary Pointing	Pointing Agreement
CAPS_038SA_SURVEY001_RIDER	2007-024T12:25:33	E038_Apo+000T00:00:00	004T16:50:22	2007-029T05:15:55	1000	406.2	Non-SPASS			
CAPS_038TI_T24INBD001_PRIME	2007-029T05:12:10		000T01:03:45	2007-029T06:15:55	4000	15.3	SPASS Rider			
CAPS_038TI_T24CLOSE001_PRIME	2007-029T06:15:55	GMB_E038_Titan24-000T01:00:00	000T02:00:00	2007-029T08:15:55	16000	115.2	SPASS Rider			
CAPS_038TI_T24OUTBND001_PRIME	2007-029T08:15:55	GMB_E038_Titan24+000T01:00:00	000T01:00:00	2007-029T09:15:55	4000	14.4	SPASS Rider			
CAPS_038SA_SURVEY003_RIDER	2007-029T09:15:55	GMB_E038_Titan24+000T02:00:00	004T16:07:50	2007-034T01:23:45	1000	403.7	Non-SPASS			
CDA_038DR_1823DUST288_RIDER	2007-024T12:55:20		005T20:44:00	2007-030T09:39:20	149.9	75.9	Non-SPASS			
CDA_038DR_1823SUOUT003_RIDER	2007-030T09:40:21		000T02:29:45	2007-030T12:10:06	199.6	1.8	Non-SPASS			
CDA_038DR_1625DUST289_RIDER	2007-030T12:11:06		000T21:17:53	2007-031T09:28:59	199.6	15.3	SPASS Rider			
CIRS_038TI_MIDIRTMAP001_PRIME	2007-028T13:00:55	GMB_E038_Titan24-000T18:15:00	000T02:15:00	2007-028T15:15:55	2000	16.2	Prime	CIRS_FP1 to Titan	POS_X to North_Pole_Dir	
CIRS_038TI_MIDIRTMAP001_SI	2007-028T13:00:55	GMB_E038_Titan24-000T18:15:00	000T02:15:00	2007-028T15:15:55	0	3.0	SPASS Rider			
CIRS_038TI_NIGHTNAC001_ISS	2007-028T15:15:55	GMB_E038_Titan24-000T16:00:00	000T01:00:00	2007-028T16:15:55	4000	14.4	SPASS Rider			
CIRS_038TI_FIRNADCMF001_PRIME	2007-028T16:15:55	GMB_E038_Titan24-000T15:00:00	000T05:00:00	2007-028T21:15:55	4000	72.0	Prime	CIRS_FP1 to Titan	NEG_X to Sun	
CIRS_038TI_FIRNADCMF001_SI	2007-028T16:15:55	GMB_E038_Titan24-000T15:00:00	000T05:00:00	2007-028T21:15:55	0	6.0	SPASS Rider			
CIRS_038TI_PHOTOVMWAC001_ISS	2007-028T21:15:55	GMB_E038_Titan24-000T10:00:00	000T01:00:00	2007-028T22:15:55	4000	14.4	SPASS Rider			
CIRS_038TI_NIGHTWAC001_ISS	2007-029T04:15:55	GMB_E038_Titan24-000T03:00:00	000T01:00:00	2007-029T05:15:55	2000	7.2	SPASS Rider			
CIRS_038TI_FIRLMBINT001_PRIME	2007-029T05:15:55	GMB_E038_Titan24-000T02:00:00	000T00:45:00	2007-029T06:00:55	4000	10.8	Prime	CIRS_FP1 to Titan	PIC	
CIRS_038TI_FIRLMBINT001_SI	2007-029T05:15:55	GMB_E038_Titan24-000T02:00:00	000T00:45:00	2007-029T06:00:55	0	2.0	SPASS Rider			
CIRS_038TI_FIRLMBT001_PRIME	2007-029T06:00:55	GMB_E038_Titan24-000T01:15:00	000T00:52:00	2007-029T06:52:55	4000	12.5	Prime	CIRS_FP1 to Titan	PIC	leave at ISS_NAC to 12.5184177-57.113056
CIRS_038TI_FIRLMBT001_SI	2007-029T06:00:55	GMB_E038_Titan24-000T01:15:00	000T00:52:00	2007-029T06:52:55	0	2.0	SPASS Rider			
CIRS_038TI_FIRNADMAP014_ISS	2007-029T07:45:55	GMB_E038_Titan24+000T00:30:00	000T01:30:00	2007-029T09:15:55	2000	10.8	SPASS Rider			
CIRS_038TI_REGMAP001_ISS	2007-029T09:15:55	GMB_E038_Titan24+000T02:00:00	000T02:00:00	2007-029T11:15:55	2000	14.4	SPASS Rider			
CIRS_038TI_FIRNADMAP002_PRIME	2007-029T11:15:55	GMB_E038_Titan24+000T04:00:00	000T01:00:00	2007-029T12:15:55	2000	7.2	Prime	CIRS_FP1 to Titan	POS_X to North_Pole_Dir	
CIRS_038TI_FIRNADMAP002_SI	2007-029T11:15:55	GMB_E038_Titan24+000T04:00:00	000T01:00:00	2007-029T12:15:55	0	2.0	SPASS Rider			
CIRS_038TI_MIRLMBINT002_PRIME	2007-029T12:15:55	GMB_E038_Titan24+000T05:00:00	000T04:00:00	2007-029T16:15:55	4000	57.6	Prime	CIRS_FP1 to Titan	PIC	
CIRS_038TI_MIRLMBINT002_SI	2007-029T12:15:55	GMB_E038_Titan24+000T05:00:00	000T04:00:00	2007-029T16:15:55	0	5.0	SPASS Rider			
CIRS_038TI_FIRNADCMF002_PRIME	2007-029T16:15:55	GMB_E038_Titan24+000T09:00:00	000T05:00:00	2007-029T21:15:55	4000	72.0	Prime	CIRS_FP1 to Titan	NEG_X to Sun	
CIRS_038TI_FIRNADCMF002_SI	2007-029T16:15:55	GMB_E038_Titan24+000T09:00:00	000T05:00:00	2007-029T21:15:55	0	6.0	SPASS Rider			
CIRS_038TI_MIDIRTMAP002_PRIME	2007-029T21:15:55	GMB_E038_Titan24+000T14:00:00	000T05:14:00	2007-030T02:29:55	2000	37.7	Prime	CIRS_FP1 to Titan	POS_X to North_Pole_Dir	
CIRS_038TI_MIDIRTMAP002_SI	2007-029T21:15:55	GMB_E038_Titan24+000T14:00:00	000T05:14:00	2007-030T02:29:55	0	3.0	SPASS Rider			
CIRS_038IC_DSCAL2491_RIDER	2007-030T04:52:00		000T06:00:00	2007-030T10:52:00	4000	86.4	SPASS Rider			
ENGR_038SC_DFPW428_PPS	2007-028T12:12:00		000T00:00:30	2007-028T12:12:30	0	0.0	Non-SPASS			
ENGR_038SC_ROUTEREU002_CDS	2007-029T05:45:55	GMB_E038_Titan24-000T01:30:00	000T03:00:00	2007-029T08:45:55	227	2.5	Non-SPASS			
ENGR_038SC_RSSKRWF030_PPS	2007-030T00:51:10	GMB_E038_Titan24+000T17:35:15	000T00:05:04	2007-030T00:56:14	0	0.0	Non-SPASS			
ENGR_038SC_A875UL001_AAAS	2007-033T19:22:00		000T09:00:00	2007-034T04:22:00	16.4	0.5	SPASS Note			
INMS_038SA_SURVEY002_RIDER	2007-027T12:21:00		001T07:00:43	2007-028T19:21:43	50	5.6	Non-SPASS			
INMS_038TI_T24INBD001_ISS	2007-028T19:21:43		000T10:54:12	2007-029T06:15:55	100	3.9	Non-SPASS			
INMS_038TI_T24CLOSE001_CIRS	2007-029T06:15:55	GMB_E038_Titan24-000T01:00:00	000T02:00:00	2007-029T08:15:55	1498	10.8	Non-SPASS			
INMS_038TI_T24OUTBD001_VIMS	2007-029T08:15:55	GMB_E038_Titan24+000T01:00:00	000T11:00:00	2007-029T19:15:55	100	4.0	Non-SPASS			
INMS_038SA_SURVEY003_RIDER	2007-029T19:15:55	GMB_E038_Titan24+000T12:00:00	000T16:59:50	2007-030T12:15:45	50	3.1	Non-SPASS			
ISS_038TI_MIDIRTMAP001_CIRS	2007-028T13:00:55	GMB_E038_Titan24-000T18:15:00	000T02:00:00	2007-028T15:00:55	0	20.0	SPASS Rider			
ISS_038TI_NIGHTNAC001_PRIME	2007-028T15:15:55	GMB_E038_Titan24-000T16:00:00	000T01:00:00	2007-028T16:15:55	0	20.0	Prime	ISS_NAC to Titan	NEG_X to Sun	
ISS_038TI_FIRNADCMF001_CIRS	2007-028T16:15:55	GMB_E038_Titan24-000T15:00:00	000T05:00:00	2007-028T21:15:55	0	20.0	SPASS Rider			
ISS_038TI_PHOTOVMWAC001_PRIME	2007-028T21:15:55	GMB_E038_Titan24-000T10:00:00	000T01:00:00	2007-028T22:15:55	0	30.0	Prime	ISS_NAC to Titan	POS_X to North_Pole_Dir	
ISS_038TI_EUVFUV001_UVIS	2007-028T22:15:55	GMB_E038_Titan24-000T09:00:00	000T06:00:00	2007-029T04:15:55	0	20.0	SPASS Rider			
ISS_038TI_NIGHTWAC001_PRIME	2007-029T04:15:55	GMB_E038_Titan24-000T03:00:00	000T01:00:00	2007-029T05:15:55	0	20.0	Prime	ISS_NAC to Titan	POS_X to North_Pole_Dir	
ISS_038TI_FIRLMBINT001_CIRS	2007-029T05:15:55	GMB_E038_Titan24-000T02:00:00	000T00:45:00	2007-029T06:00:55	0	20.0	SPASS Rider			
ISS_038TI_FIRLMBT001_CIRS	2007-029T06:00:55	GMB_E038_Titan24-000T01:15:00	000T00:52:00	2007-029T06:52:55	0	20.0	SPASS Rider			
ISS_038TI_GAMCRUOCC001_VIMS	2007-029T06:52:55	GMB_E038_Titan24-000T00:23:00	000T00:06:00	2007-029T06:58:55	0	24.0	SPASS Rider			
ISS_038TI_VHIRESNAC001_PRIME	2007-029T06:58:55	GMB_E038_Titan24-000T00:17:00	000T00:47:00	2007-029T07:45:55	0	100.0	Prime	ISS_NAC to Titan	NEG_X to Sun	
ISS_038TI_VHIRESNAC001_VIMS	2007-029T06:58:55	GMB_E038_Titan24-000T00:17:00	000T00:47:00	2007-029T07:45:55	0	100.0	SPASS Rider			
ISS_038TI_HIRESNAC001_PRIME	2007-029T07:45:55	GMB_E038_Titan24+000T00:30:00	000T01:30:00	2007-029T09:15:55	0	340.0	Prime	ISS_NAC to Titan	NEG_X to Sun	
ISS_038TI_HIRESNAC001_VIMS	2007-029T07:45:55	GMB_E038_Titan24+000T00:30:00	000T01:30:00	2007-029T09:15:55	0	340.0	SPASS Rider			
ISS_038TI_REGMAP001_PRIME	2007-029T09:15:55	GMB_E038_Titan24+000T02:00:00	000T02:00:00	2007-029T11:15:55	0	375.0	Prime	ISS_NAC to Titan	NEG_X to Sun	
ISS_038TI_FIRNADMAP002_CIRS	2007-029T11:15:55	GMB_E038_Titan24+000T04:00:00	000T01:00:00	2007-029T12:15:55	0	20.0	SPASS Rider			
ISS_038TI_MIRLMBINT002_CIRS	2007-029T12:15:55	GMB_E038_Titan24+000T05:00:00	000T04:00:00	2007-029T16:15:55	0	20.0	SPASS Rider			
ISS_038TI_FIRNADCMF002_CIRS	2007-029T16:15:55	GMB_E038_Titan24+000T09:00:00	000T05:00:00	2007-029T21:15:55	0	20.0	SPASS Rider			
ISS_038TI_MIDIRTMAP002_CIRS	2007-029T21:15:55	GMB_E038_Titan24+000T14:00:00	000T01:14:00	2007-029T22:29:55	0	20.0	SPASS Rider			
MAG_038OT_SURVEY001_PRIME	2007-028T12:12:00		000T15:03:55	2007-029T03:15:55	600	32.5	Non-SPASS			
MAG_038TI_MAGTITAN001_PRIME	2007-029T03:15:55	GMB_E038_Titan24-000T04:00:00	000T08:00:00	2007-029T11:15:55	1976	56.9	Non-SPASS			
MAG_038OT_SURVEY004_PRIME	2007-029T11:15:55	GMB_E038_Titan24+000T04:00:00	001T00:56:05	2007-030T12:12:00	600	53.9	Non-SPASS			

MIMI_038CO_SURVEY004_RIDER	2007-028T03:00:01		001T02:15:54	2007-029T05:15:55	900	85.1	Non-SPASS		
MIMI_038TI_T24INBND001_CAPS	2007-029T05:15:55	GMB_E038_Titan24-000T02:00:00	000T01:00:00	2007-029T06:15:55	2000	7.2	SPASS Rider		
MIMI_038TI_T24CLOSE001_CAPS	2007-029T06:15:55	GMB_E038_Titan24-000T01:00:00	000T02:00:00	2007-029T08:15:55	2000	14.4	SPASS Rider		
MIMI_038TI_T24OUTBND001_CAPS	2007-029T08:15:55	GMB_E038_Titan24+000T01:00:00	000T01:00:00	2007-029T09:15:55	2000	7.2	SPASS Rider		
MIMI_038CO_SURVEY002_RIDER	2007-029T09:15:55	GMB_E038_Titan24+000T02:00:00	001T02:47:50	2007-030T12:03:45	900	86.8	Non-SPASS		
MIMI_038SA_MAGDYN001_RIDER	2007-030T12:00:01		003T13:19:59	2007-034T01:20:00	1200	368.6	SPASS Rider		
MP_036NA_SEQUENCE027_NA	2007-005T13:50:00	E036_SEQUENCE_027+00	042T21:02:00	2007-048T10:52:00	0	0.0	SPASS Note		
MP_037SA_REV038_NA	2007-024T12:20:46		016T22:33:07	2007-041T10:53:53	0	0.0	Non-SPASS		
MP_038SA_REV038_NA	2007-024T12:25:32		016T22:25:58	2007-041T10:51:30	0	0.0	Non-SPASS		
MP_038TI_FLYBYT024_NA	2007-029T07:15:55		000T00:00:01	2007-029T07:15:56	0	0.0	SPASS Note		
MP_038SA_RPXDESCEN038_NA	2007-029T07:38:02		000T00:00:01	2007-029T07:38:03	0	0.0	Non-SPASS		
RPWS_038SA_OUTSURVEY002_PRIME	2007-028T12:12:00		002T00:00:00	2007-030T12:12:00	1310	226.4	Non-SPASS		
RPWS_038TI_TIINTRMED001_PRIME	2007-029T05:15:55	GMB_E038_Titan24-000T02:00:00	000T04:00:00	2007-029T09:15:55	12499.4	180.0	Non-SPASS		
RSS_038TI_KADOWN002_RSS	2007-030T01:07:00		000T11:05:00	2007-030T12:12:00	0	0.0	SPASS Rider		
SP_038NA_G70OBSNON030_NA	2007-028T12:12:00		001T15:00:00	2007-030T03:12:00	0	0.0	Non-SPASS		
SP_038NA_TOSTSEG028_NA	2007-028T12:12:00		002T00:00:00	2007-030T12:12:00	0	0.0	SPASS Note		
SP_038TI_WAYPTTURN028_PRIME	2007-028T12:12:00		000T00:30:00	2007-028T12:42:00	0	0.0	New Waypoint	ISS_NAC to Titan	POS_X to North_Pole_Dir
SP_038NA_DEADTIME028_PRIME	2007-028T12:42:00		000T00:18:55	2007-028T13:00:55	0	0.0	Prime	ISS_NAC to Titan	POS_X to North_Pole_Dir
SP_038NA_BEGCUSTOM029_NA	2007-029T05:15:55	GMB_E038_Titan24-000T02:00:00	000T00:01:00	2007-029T05:16:55	0	0.0	SPASS Note		
SP_038NA_ENDCUSTOM029_NA	2007-029T09:15:55	GMB_E038_Titan24+000T02:00:00	000T00:01:00	2007-029T09:16:55	0	0.0	SPASS Note		
SP_038NA_DEADTIME030_PRIME	2007-030T02:29:55	GMB_E038_Titan24+000T19:14:00	000T00:15:50	2007-030T02:45:45	0	0.0	Prime	ISS_NAC to Titan	POS_X to North_Pole_Dir
SP_038EA_DLTURN030_PRIME	2007-030T02:42:00		000T00:30:00	2007-030T03:12:00	0	0.0	Prime	XBAND to Earth	POS_X to NEP
SP_038EA_G70METNON030_PRIME	2007-030T03:12:00		000T09:00:00	2007-030T12:12:00	0	0.0	Prime	XBAND to Earth	Rolling/SRU
SP_038NA_G34BWGRSS030_SP	2007-030T03:12:00		000T09:00:00	2007-030T12:12:00	0	0.0	Non-SPASS		
SP_038NA_G70METNON030_SP	2007-030T03:12:00		000T09:00:00	2007-030T12:12:00	0	0.0	Non-SPASS		
UVIS_038TI_EUVFUV001_PRIME	2007-028T22:15:55	GMB_E038_Titan24-000T09:00:00	000T06:00:00	2007-029T04:15:55	4176.6	90.2	Prime	UVIS_FUV to Titan	NEG_X to Sun
VIMS_038TI_MIDIRTEMP001_CIRS	2007-028T13:00:55	GMB_E038_Titan24-000T18:15:00	000T02:15:00	2007-028T15:15:55	4444.4	36.0	SPASS Rider		
VIMS_038TI_MONITOR001_ISS	2007-028T15:15:55	GMB_E038_Titan24-000T16:00:00	000T01:00:00	2007-028T16:15:55	10000	36.0	SPASS Rider		
VIMS_038TI_MIDIRTEMP002_CIRS	2007-028T16:15:55	GMB_E038_Titan24-000T15:00:00	000T02:00:00	2007-028T18:15:55	5000	36.0	SPASS Rider		
VIMS_038TI_FP1INT001_CIRS	2007-028T18:15:55	GMB_E038_Titan24-000T13:00:00	000T03:00:00	2007-028T21:15:55	3333.3	36.0	SPASS Rider		
VIMS_038TI_PHOT001_ISS	2007-028T21:15:55	GMB_E038_Titan24-000T10:00:00	000T01:00:00	2007-028T22:15:55	10000	36.0	SPASS Rider		
VIMS_038TI_EUVFUV001_UVIS	2007-028T22:15:55	GMB_E038_Titan24-000T09:00:00	000T06:00:00	2007-029T04:15:55	5000	108.0	SPASS Rider		
VIMS_038TI_REGMAP001_ISS	2007-029T04:15:55	GMB_E038_Titan24-000T03:00:00	000T01:00:00	2007-029T05:15:55	10000	36.0	SPASS Rider		
VIMS_038TI_CIRSCLOSE001_CIRS	2007-029T05:15:55	GMB_E038_Titan24-000T02:00:00	000T01:37:00	2007-029T06:52:55	9278.4	54.0	SPASS Rider		
VIMS_038TI_GAMCRUOCC001_PRIME	2007-029T06:52:55	GMB_E038_Titan24-000T00:23:00	000T00:06:00	2007-029T06:58:55	27777.8	10.0	Prime	VIMS_IR to 187.781-57.113	NEG_X to Sun
VIMS_038TI_HIRESNAC001_PRIME	2007-029T06:58:55	GMB_E038_Titan24-000T00:17:00	000T02:17:00	2007-029T09:15:55	0	0.0	Prime	VIMS_IR to Titan	NEG_X to Sun
VIMS_038TI_REGMAP002_ISS	2007-029T09:15:55	GMB_E038_Titan24+000T02:00:00	000T02:00:00	2007-029T11:15:55	15000	108.0	SPASS Rider		
VIMS_038TI_CIRSCLOSE002_CIRS	2007-029T11:15:55	GMB_E038_Titan24+000T04:00:00	000T01:00:00	2007-029T12:15:55	10000	36.0	SPASS Rider		
VIMS_038TI_LIMBMAP001_CIRS	2007-029T12:15:55	GMB_E038_Titan24+000T05:00:00	000T04:00:00	2007-029T16:15:55	5000	72.0	SPASS Rider		
VIMS_038TI_CIRSFAR001_CIRS	2007-029T16:15:55	GMB_E038_Titan24+000T09:00:00	000T05:00:00	2007-029T21:15:55	5000	90.0	SPASS Rider		
VIMS_038TI_MIDIRTEMP003_CIRS	2007-029T21:15:55	GMB_E038_Titan24+000T14:00:00	000T05:14:00	2007-030T02:29:55	3184.7	60.0	SPASS Rider		

Request	Riders	Start (SCET)	Start (Epoch)	Duration	End (SCET)	Primary	Secondary	Comments
<b>Start Sequence S027</b>		2007-005T13:50:00	E036_SEQUENCE_027+000	042T21:02:00	2007-048T10:52:00			
TOST rev 38 Segment		2007-028T12:12:00		002T00:00:00	2007-030T12:12:00			
SP_038TI_WAYPTTURN028_PRIME		2007-028T12:12:00		000T00:30:00	2007-028T12:42:00	ISS_NAC to Titan	POS_X to North_Pole_Dir	
<b>NEW WAYPOINT</b>		2007-028T12:42:00		001T23:30:00	2007-030T12:12:00	ISS_NAC to Titan	POS_X to North_Pole_Dir	
<b>SP_038NA_DEADTIME028_PRIME</b>		2007-028T12:42:00		000T00:18:55	2007-028T13:00:55	ISS_NAC to Titan	POS_X to North_Pole_Dir	
CIRS_038TI_MIDIRTMAP001_PRIME	C, I, V	2007-028T13:00:55	GMB_E038_Titan24-000T18:15:00	000T02:15:00	2007-028T15:15:55	CIRS_FP1 to Titan	POS_X to North_Pole_Dir	
ISS_038TI_NIGHTNAC001_PRIME	C, V	2007-028T15:15:55	GMB_E038_Titan24-000T16:00:00	000T01:00:00	2007-028T16:15:55	ISS_NAC to Titan	NEG_X to Sun	
CIRS_038TI_FIRNADCMP001_PRIME	C, I, V	2007-028T16:15:55	GMB_E038_Titan24-000T15:00:00	000T05:00:00	2007-028T21:15:55	CIRS_FP1 to Titan	NEG_X to Sun	
ISS_038TI_PHOTOMWAC001_PRIME	C, V	2007-028T21:15:55	GMB_E038_Titan24-000T10:00:00	000T01:00:00	2007-028T22:15:55	ISS_NAC to Titan	POS_X to North_Pole_Dir	
UVIS_038TI_EUVFUV001_PRIME	I, V	2007-028T22:15:55	GMB_E038_Titan24-000T09:00:00	000T06:00:00	2007-029T04:15:55	UVIS_FUV to Titan	NEG_X to Sun	
ISS_038TI_NIGHTWAC001_PRIME	C, M, V	2007-029T04:15:55	GMB_E038_Titan24-000T03:00:00	000T01:00:00	2007-029T05:15:55	ISS_NAC to Titan	POS_X to North_Pole_Dir	
<b>Begin Custom Period</b>		2007-029T05:15:55	GMB_E038_Titan24-000T02:00:00	000T00:01:00	2007-029T05:16:55	NEG_Z to Titan	POS_X to North_Pole_Dir	
CIRS_038TI_FIRLMBINT001_PRIME	C, I, M, V	2007-029T05:15:55	GMB_E038_Titan24-000T02:00:00	000T00:45:00	2007-029T06:00:55	CIRS_FP1 to Titan	PIC	Pick up at ISS_NAC to Titan, POS_X to North_Pole_Dir, Hand off at CIRS_FP1 to Titan, PIC.
CIRS_038TI_FIRLMBT001_PRIME	C, I, M, V	2007-029T06:00:55	GMB_E038_Titan24-000T01:15:00	000T00:52:00	2007-029T06:52:55	CIRS_FP1 to Titan	PIC	Pick up at CIRS_FP1 to Titan, PIC; Hand off at ISS_NAC to 12.519/-57.113, POS_X to North_Pole_Dir. leave at ISS_NAC to 12.519417/-57.113056
VIMS_038TI_GAMCRUOCC001_PRIME	I, M	2007-029T06:52:55	GMB_E038_Titan24-000T00:23:00	000T00:06:00	2007-029T06:58:55	VIMS_IR to 187.791/-57.113	NEG_X to Sun	Pick up at ISS_NAC to 187.791/-57.113, NEG_X to Sun; Hand off at VIMS_IR to 187.791/-57.113, NEG_X to Sun.
VIMS_038TI_HIRESNAC001_PRIME	C, I, M	2007-029T06:58:55	GMB_E038_Titan24-000T00:17:00	000T02:17:00	2007-029T09:15:55	VIMS_IR to Titan	NEG_X to Sun	Pick up at unknown, unknown; Hand off at unknown, unknown.
38TI (t) T24 TITAN Inbound...		2007-029T07:15:55		000T00:00:01	2007-029T07:15:56			
<b>End Custom Period</b>		2007-029T09:15:55	GMB_E038_Titan24+000T02:00:00	000T00:01:00	2007-029T09:16:55	ISS_NAC to Titan	NEG_X to Sun	
ISS_038TI_REGMAP001_PRIME	C, V	2007-029T09:15:55	GMB_E038_Titan24+000T02:00:00	000T02:00:00	2007-029T11:15:55	ISS_NAC to Titan	NEG_X to Sun	
CIRS_038TI_FIRNADMAP002_PRIME	C, I, V	2007-029T11:15:55	GMB_E038_Titan24+000T04:00:00	000T01:00:00	2007-029T12:15:55	CIRS_FP1 to Titan	POS_X to North_Pole_Dir	
CIRS_038TI_MIRLMBINT002_PRIME	C, I, V	2007-029T12:15:55	GMB_E038_Titan24+000T05:00:00	000T04:00:00	2007-029T16:15:55	CIRS_FP1 to Titan	PIC	
CIRS_038TI_FIRNADCMP002_PRIME	C, I, V	2007-029T16:15:55	GMB_E038_Titan24+000T09:00:00	000T05:00:00	2007-029T21:15:55	CIRS_FP1 to Titan	NEG_X to Sun	
CIRS_038TI_MIDIRTMAP002_PRIME	C, I, R, V	2007-029T21:15:55	GMB_E038_Titan24+000T14:00:00	000T05:14:00	2007-030T02:29:55	CIRS_FP1 to Titan	POS_X to North_Pole_Dir	
<b>SP_038NA_DEADTIME030_PRIME</b>	R	2007-030T02:29:55	GMB_E038_Titan24+000T19:14:00	000T00:12:05	2007-030T02:42:00	ISS_NAC to Titan	POS_X to North_Pole_Dir	
SP_038EA_DLTURN030_PRIME	R	2007-030T02:42:00		000T00:30:00	2007-030T03:12:00	XBAND to Earth	POS_X to NEP	
SP_038EA_G70METNON030_PRIME	C, M, R	2007-030T03:12:00		000T09:00:00	2007-030T12:12:00	XBAND to Earth	Rolling/SRU	

# 038TI SMT Report

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

DOWNLINK PASS NAME	Start doy hh:mm	End doy hh:mm	OBSERVATION_PERIOD							DOWNLINK_PASS							
			P4				P5			RECORDED		PLAYBACK					
			START (Mb)	SCI (Mb)	HK+E (Mb)	TOTAL (Mb)	CPACTY (Mb)	MARGN (Mb)	OPNAV (Mb)	SCI (Mb)	ENGR (Mb)	TOTAL (Mb)	CPACTY (Mb)	MARGN (Mb)	NET_MARGN (Mb)	CAROVR (%)	CAROVR (Mb)
SP_038EA_G70METNON030_PRIME	030 03:12	030 12:12	0	3332	135	3467	3569	102	0	219	53	3737	4575	837	838	18%	0

DATA VOLUME REPORT --- TRANSFER FRAME OVERHEAD NOT INCLUDED

Event	Start doy hh:mm	End doy hh:mm	CAPS (Mb)	CDA (Mb)	CIRS (Mb)	INMS (Mb)	ISS (Mb)	MAG (Mb)	MIMI (Mb)	RADAR (Mb)	RPWS (Mb)	UVIS (Mb)	VIMS (Mb)	PROBE (Mb)	ENGR (Mb)	TOTAL (Mb)
OBSERVATION_NOR	028 12:12	030 03:12	270.9	21.0	396.0	21.4	1089.0	123.9	142.2	0.0	363.9	90.2	754.0	0.0	2.5	3275.0
OBSERVATION_SI	028 12:12	030 03:12	0.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0
SP_038EA_G70METNON030_PRIME	030 03:12	030 12:12	32.4	5.3	86.4	1.6	0.0	19.4	29.6	0.0	42.4	0.0	0.0	0.0	0.0	217.2
DAILY TOTAL SCIENCE	028 12:12	030 12:12	303.3	26.3	511.4	23.0	1089.0	143.3	171.8	0.0	406.4	90.2	754.0	0.0		

# TLM Report

## TELEMETRY MODE REPORT

EPOCH RELATIVE	UTC	DURATION	TELEMETRY MODE	REQUEST
	2007-028T12:12:00.000	001T15:00:00	S_N_ER_3	SP_038NA_G70OBSNON030_NA
	2007-030T03:12:00.000	09:00:00	RTE_N_SPB_165900	SP_038EA_G70METNON030_PRIME

# DSN

CASSINI DOWNLINK/DSN COVERAGE SUMMARY for T24\_rec.apf on 2006-Aug-25 13:33:31

(+ = 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
G70METNON030	030T03:12-12:12	030T04:20-13:20	09:00	165	25	030T03:12-12:12	030T04:20-13:20	09:00	90/15	TP	N000
				^-- and also -->	14	030T03:12-12:12	030T04:20-13:20	09:00	60/15	Ranging_	X_up_on

# NAV

CASSINI NAVIGATION SUMMARY for T24\_rec.apf on 2006-Aug-25 13:33:51

(+ = 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 43 hours					NO	NO
G70METNON030	030T03:12-12:12	09:00		25	030T04:20-13:20	04:30-13:15	05:38-12:12	06:46-13:20	06:34	Y?	Y?
				14	030T04:20-13:20	04:30-13:15	05:38-12:12	06:46-13:20	06:34	Y?	Y?



## 038TI Issues

- VIMS currently has 0Mb allocated to their 02:17:00 Prime request around C/A.
  - This is important because there will be a recovery plan for this data.

# TWT/OST Integration Constraint and Guideline Checklist

Below are Target Working Team (TWT) and Orbiter Science Team (OST) constraints that must be followed during segment implementation. Any exceptions to constraint numbers 3, 4, 6, or 7 must be approved by the Science Planning Manager.

Constraint	C=Comply V=Violate N/A=Not Applicable	Comments	Disposition
1. A. SP has checked all waypoints turns to and from waypoints. B. All initial downlink attitudes have been checked as waypoints.	C		
2. All turns to and from waypoints checked for violations and margins. <input type="checkbox"/> CAPS <input type="checkbox"/> CDA <input type="checkbox"/> CIRS <input type="checkbox"/> INMS <input type="checkbox"/> ISS <input type="checkbox"/> MIMI <input type="checkbox"/> MAG <input type="checkbox"/> NAV <input type="checkbox"/> RADAR <input type="checkbox"/> RPWS <input type="checkbox"/> RSS <input type="checkbox"/> UVIS <input type="checkbox"/> VIMS Each Prime Instrument agrees to accept a reduction in observation time during implementation if problems arise.	C		
3. Custom handoffs limited to: A. ±3 hours from targeted Icy Satellite flyby B. ±3 hours from targeted Titan Flyby C. OpNavs preceding/following a downlink	N/A		
4. Minimum 30. min SPASS Prime request duration outside ±5 min. from targeted satellite flyby (5 min. integer duration if >30 min.)	C		
5. Live and Ground Movable Blocks include appropriate time margins.	C	K. Klaasen's margin for flyby T24 is 15 min. according to memo dated .	
6. Waypoints changes are ≤3 per day A. All turns that accomplish the waypoint strategy are requested by SP or OpNav.	C		
7. Live Movable Blocks limited to the following orbits: 7, 8, 9, 10, 12, 28, 51, 56, 57, 60, 63, 64	N/A		

Guideline	Yes / No	Comments
1. Were repeatable/reusable templates used where possible?	Yes	
2. During Pre-Integration: Was 30 min. used for 90° RWA turns and/or 10 min. for RCS turns?	Yes	

(DOUBLE-CLICK TO MAKE CHANGES)