

TOST: RE-Delivery

055TI (T40)

Segment: 2008-005T05:48:00 – 2008-007T07:26:00

Titan C/A: 2008-005T21:30:20, Altitude = 1010 km

Epoch: GMB_E055_Titan40

August 13, 2007

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High-Level Science Objectives

- UVIS – Map atomic and molecular nitrogen, carbon and hydrogen in the high atmosphere.
- VIMS – High resolution spectral mapping of the landing site at small solar phase angles, which will minimize airmass and maximize surface illumination. Search for changes in the landing site since the beginning of mission. Study cloud formation and evolution. Search for volatile transport since the beginning of mission.
- CIRS — Look for stratospheric oxygen compounds during a far-IR limb observation. We will also perform surface temperature mapping, stratospheric temperature mapping, and continue our search for trace species during a far-IR nadir integration. Each of these observations will be compared to similar ones in the early part of the mission to look for changes in temperatures and composition over time.

T40 Science Objectives (cont')

- ISS – Very high-res (25-56 m/pixel) imaging of the Huygens landing site. High-resolution (116-244 m/pixel) imaging of the bright-dark boundary (including the specular point) around 21 N, ~215 W. Regional-scale (244-500 m/pixel) mapping of the bright-dark boundary around 21N, 220 W. limited global-scale mapping (~1 km/pixel) of the bright-dark boundary around 22 N, 227 W.

This is also a rare opportunity for disk-resolved coverage of Tethys' opposition effect on the trailing hemisphere. (Complementary to another observation obtained on the leading-hemisphere of Tethys)

- INMS – T40 is a day side pass through the flank of the magnetospheric interaction region near noon local time. This is where energetic ion precipitation will have a maximum effect on the thermosphere and ionosphere. Here pickup and energetic ion precipitation will be very different owing to the asymmetry produced by finite gyro radius effects of the magnetospheric ion scans for high temporal resolution measurement of key neutral and ion species expected to be present within each altitude range during the pass.



055TI(T40) Timeline: PROPOSED (old)

055TI (T40)

C/A 2008-005T21:30:20@1010km

Start Time	End Time	Prime Activity	Obs. Detail	Op Mode	TLM Mode	Comments
005T05:48	005T06:18	SP Turn Earth to Tethys		DFPW Normal	S_N_ER_3	Neg_Y to Tethys, Pos_Z to NSP
005T06:18	005T07:18	ISS	Tethys	DFPW Normal	S_N_ER_3	
005T07:18	005T07:48	SP Turn to waypoint		DFPW Normal	S_N_ER_3	-Y to Titan, -X to Sun
005T07:48	005T08:03	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
-13:23	-10:00	CIRS	FP1	DFPW Normal	S_N_ER_3	Template N (modified)
-10:00	-09:00	ISS	Photometry	DFPW Normal	S_N_ER_3	Template N
-09:00	-05:00	UVIS	EUVFUV	DFPW Normal	S_N_ER_3	Template P
-05:00	-03:00	UVIS	EUVFUV	DFPW Normal	S_N_ER_3	Template U
-03:00	-02:00	ISS		DFPW Normal	S_N_ER_3	Template U
-02:00		BEGIN Custom Period				
-02:00	-01:05	CIRS		DFPW Normal	S_N_ER_3	End at UVIS occ attitude
-01:05	-00:44	RWA to RCS Transition	21 mins	ORS(RCS)	S_N_ER_3	Simultaneous w/ UVIS occ
-01:05	-00:28	UVIS	Stellar occ	ORS(RCS)	S_N_ER_2	
-00:28		END Custom Period		ORS(RCS)	S_N_ER_2	
-00:28	-00:23	SP Turns to VIMS Occ	5 min	ORS(RCS)	S_N_ER_2	-Y to RA/DEC (213.9150, 19.1825) , -Z to NTP
-00:23	-00:08	VIMS	Stellar occ	ORS(RCS)	S_N_ER_2	
-00:08	-00:05	SP Turn to WP (INMS Attitude)	3 Min	ORS(RCS)	S_N_ER_2	-X to SC RAM, -Y to Titan
-00:05	+00:10	INMS		ORS(RCS)	S_N_ER_2	
+00:10	+00:22	SP Turn to Landing Site		ORS(RCS)	S_N_ER_2	VIMS_IR to LatLon -10,162, NEG_X SUN
+00:22	+00:36	VIMS	Landing site	ORS(RCS)	S_N_ER_3	
+00:36	+01:00	RCS to RWA Transition	23 mins	DFPW Normal	S_N_ER_3	
+1:00	+1:03	SP Turn to WP	3 Min	DFPW Normal	S_N_ER_3	-Y to Titan, -X to Sun
+01:03	+02:00	ISS	High Res	DFPW Normal	S_N_ER_3	Start at VIMS attitude
+02:00	+04:00	ISS	Regional Map	DFPW Normal	S_N_ER_3	Template J
+04:00	+05:00	CIRS		DFPW Normal	S_N_ER_3	Template J
+05:00	+08:00	VIMS	Regional Map	DFPW Normal	S_N_ER_3	Template I
+08:00	+09:00	ISS	NAC & WAC	DFPW Normal	S_N_ER_3	Template I
+09:00	+14:00	CIRS		DFPW Normal	S_N_ER_3	Template C
+14:00	+1T00:14	CIRS		DFPW Normal	S_N_ER_3	Template A
006T21:41	006T21:56	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
006T21:56	006T22:26	SP Turn to Earth for downlink		DFPW Normal	S_N_ER_3	
006T22:26	007T07:26	Madrid 70-m		DFPW Normal	RTE_N_SPB	

Some SP turn times incorrect, so timeline was reworked



TOL for 055TI (T40)

055TI (T40)

Start Time	End Time	Prime Activity	Obs. Detail	Op Mode	TLM Mode	Comments
005T05:48	005T06:18	SP Turn Earth to Tethys		DFPW Normal	S_N_ER_3	NEG_Y to Tethys, POS_Z to NSP
005T06:18	005T07:18	ISS	Tethys	DFPW Normal	S_N_ER_3	
005T07:18	005T07:48	SP Turn to waypoint		DFPW Normal	S_N_ER_3	-Y to Titan, -X to Sun
005T07:48	005T08:07	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
-13:23	-10:00	CIRS	FP1	DFPW Normal	S_N_ER_3	Template N (modified)
-10:00	-09:00	ISS	Photometry	DFPW Normal	S_N_ER_3	Template N
-09:00	-05:00	UVIS	EUVFUV	DFPW Normal	S_N_ER_3	Template P
-05:00	-03:00	UVIS	EUVFUV	DFPW Normal	S_N_ER_3	Template U
-03:00	-02:00	ISS		DFPW Normal	S_N_ER_3	Template U
-02:00		BEGIN Custom Period				
-02:00	-01:05	CIRS		DFPW Normal	S_N_ER_3	End at UVIS occ attitude
-01:05	-00:44	RWA to RCS Transition	21 mins	ORS (RCS)	S_N_ER_3	
-00:44	-00:28	UVIS	Stellar occ	ORS (RCS)	S_N_ER_2	
-00:28		END Custom Period		ORS (RCS)		
-00:28	-00:23	SP Turns to VIMS Occ	5 min	ORS (RCS)	S_N_ER_2	-Y to RA/DEC 213.915/19.1825
-00:23	-00:08	VIMS	Stellar occ	ORS (RCS)	S_N_ER_2	
-00:08	-00:05	SP Turn to INMS Attitude	3 Min	ORS (RCS)	S_N_ER_2	-X to SC RAM, -Y to Titan
-00:05	+00:10	INMS		ORS (RCS)	S_N_ER_2	
+00:10	+00:17	SP Turn to VIMS Attitude	7 min	ORS (RCS)	S_N_ER_2	VIMS_IR to LatLon -10, 162,NEG_X to SUN
+00:17	+00:36	VIMS	Landing site	ORS (RCS)	S_N_ER_2	
+00:36	+00:57	RCS to RWA Transition	00:21:05 dur	DFPW Normal	S_N_ER_3	
+00:57	+01:12	SP Turn to ORS Attitude	15 mins	DFPW Normal	S_N_ER_3	-Y to Titan, -X to Sun
+01:12	+02:00	VIMS	High Res	DFPW Normal	S_N_ER_3	Start at VIMS attitude
+02:00	+04:00	ISS	Regional Map	DFPW Normal	S_N_ER_3	Template J
+04:00	+05:00	CIRS		DFPW Normal	S_N_ER_3	Template J
+05:00	+07:00	VIMS	Regional Map	DFPW Normal	S_N_ER_3	Template I
+07:00	+09:00	ISS	NAC & WAC	DFPW Normal	S_N_ER_3	Template I
+08:40	+14:00	ISS		DFPW Normal	S_N_ER_3	Template I
+09:00	+14:00	CIRS		DFPW Normal	S_N_ER_3	Template C
+14:00	+1T00:14	CIRS		DFPW Normal	S_N_ER_3	Template A
006T21:41	006T21:56	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
006T21:56	006T22:26	SP Turn to Earth for downlink		DFPW Normal	S_N_ER_3	



CIMS TOL for 055TI (T40)

055TI (T40)

Request	Start Time	Epoch	Duration	End Time	Rate	Data Volume	SPASS Type	Primary Pointing	Secondary Pointing	Pointing Agreement
MP 054NA SEQUENCE036_NA	2007-348T16:00:00	E054_SEQUENCE_036+000T00:00:00	038T21:35:00	2008-022T13:35:00	0	0	SPASS Note			
CDA 055DR 070SDUST419 RIDER	2008-004T09:35:33		001T00:10:48	2008-005T09:46:21	199.6	17.379	Non-SPASS			
INMS 055SA PTOTM142B001 RIDER	2008-004T16:18:00		000T17:08:24	2008-005T09:26:24	50	3.085	Non-SPASS			
MIMI 055CO SURVEY003 RIDER	2008-004T21:29:00		000T22:01:20	2008-005T19:30:20	900	71.352	Non-SPASS			
ENGR 055SC DFPW005 PPS	2008-005T05:48:00		000T00:00:30	2008-005T05:48:30	0	0	Non-SPASS			
SP 055NA M700BSNON006 NA	2008-005T05:48:00		001T16:38:00	2008-006T22:26:00	0	0	Non-SPASS			
SP 055NA TOSTSE005 NA	2008-005T05:48:00		002T01:38:00	2008-007T07:26:00	0	0	SPASS Note			
SP 055TE WAYPTTURN006 PRIME	2008-005T05:48:00		000T00:30:00	2008-005T06:18:00	0	0	New Waypoint	ISS_NAC to Tethys	POS_Z to NSP	SP Turn to Waypoint
CIRS 055TE OPPSGA001 ISS	2008-005T06:18:00		000T01:00:00	2008-005T07:18:00	4000	14.4	SPASS Rider	ISS_NAC to Tethys	POS_Z to NSP	SP will turn to Tethys
ISS 055TE OPPSGA001 PRIME	2008-005T06:18:00		000T01:00:00	2008-005T07:18:00	0	67.109	Prime			
VIMS 055TE OPPSGA001 ISS	2008-005T06:18:00		000T01:00:00	2008-005T07:18:00	3611.1	13	SPASS Rider			
CAPS 055SA SURVEY004 RIDER	2008-005T07:18:00		000T12:12:20	2008-005T19:30:20	700	30.758	Non-SPASS			
MAG 055OT SURVEY002 PRIME	2008-005T07:18:00		000T10:12:20	2008-005T17:30:20	600	22.044	Non-SPASS			
RPWS 055SA OUTSURVEY002 PRIME	2008-005T07:18:00		000T12:12:20	2008-005T19:30:20	1080	47.456	Non-SPASS			
SP 055TI WAYPTTURN005 PRIME	2008-005T07:18:00		000T00:30:00	2008-005T07:48:00	0	0	New Waypoint	ISS_NAC to Titan	NEG_X to Sun	SP Turn to Waypoint
SP 055TI DEADTIME005 PRIME	2008-005T07:48:00		000T00:19:20	2008-005T08:07:20	0	0	Prime	ISS_NAC to Titan	NEG_X to Sun	
CIRS 055TI FIRNADCP001 PRIME	2008-005T08:07:20	GMB_E055_Titan40-000T13:23:00	000T03:23:00	2008-005T11:30:20	4000	48.72	Prime	CIRS_FP1 to Titan	PIC	
CIRS 055TI FIRNADCP001 SI	2008-005T08:07:20	GMB_E055_Titan40-000T13:23:00	000T03:23:00	2008-005T11:30:20	0	3	SPASS Rider			
ISS 055TI FIRNADCP001 CIRS	2008-005T08:07:20	GMB_E055_Titan40-000T13:23:00	000T03:23:00	2008-005T11:30:20	0	10	SPASS Rider			
VIMS 055TI FIRNADCP001 CIRS	2008-005T08:07:20	GMB_E055_Titan40-000T13:23:00	000T03:23:00	2008-005T11:30:20	1477.8	18	SPASS Rider			
INMS 055TI T40INBD001 RIDER	2008-005T09:26:24		000T11:03:56	2008-005T20:30:20	100	3.984	Non-SPASS			
CDA 055RI 1604RINGM004 RIDER	2008-005T09:47:19		000T02:00:00	2008-005T11:47:19	524	3.773	Non-SPASS			
CIRS 055TI PHOTOMWAC001 ISS	2008-005T11:30:20	GMB_E055_Titan40-000T10:00:00	000T01:00:00	2008-005T12:30:20	2000	7.2	SPASS Rider			
ISS 055TI PHOTOMWAC001 PRIME	2008-005T11:30:20	GMB_E055_Titan40-000T10:00:00	000T01:00:00	2008-005T12:30:20	0	20	Prime	ISS_NAC to Titan	NEG_X to Sun	
VIMS 055TI PHOTMAP001 ISS	2008-005T11:30:20	GMB_E055_Titan40-000T10:00:00	000T01:00:00	2008-005T12:30:20	5555.6	20	SPASS Rider			
CDA 055DR 1704DUST420 RIDER	2008-005T11:48:19		004T10:31:46	2008-009T22:20:05	149.9	57.474	Non-SPASS			
CIRS 055TI EUVFUV001 UVIS	2008-005T12:30:20	GMB_E055_Titan40-000T09:00:00	000T04:00:00	2008-005T16:30:20	4000	57.6	SPASS Rider			
ISS 055TI EUVFUV001 UVIS	2008-005T12:30:20	GMB_E055_Titan40-000T09:00:00	000T04:00:00	2008-005T16:30:20	0	10	SPASS Rider			
UVIS 055TI EUVFUV001 PRIME	2008-005T12:30:20	GMB_E055_Titan40-000T09:00:00	000T04:00:00	2008-005T16:30:20	5032	72.461	Prime	UVIS_FUV to Titan	NEG_X to Sun	
VIMS 055TI EUVFUV001 UVIS	2008-005T12:30:20	GMB_E055_Titan40-000T09:00:00	000T04:00:00	2008-005T16:30:20	5000	72	SPASS Rider			
CIRS 055TI EUVFUV501 UVIS	2008-005T16:30:20	GMB_E055_Titan40-000T05:00:00	000T02:00:00	2008-005T18:30:20	2000	14.4	SPASS Rider			
ISS 055TI EUVFUV501 UVIS	2008-005T16:30:20	GMB_E055_Titan40-000T05:00:00	000T02:00:00	2008-005T18:30:20	0	10	SPASS Rider			
UVIS 055TI EUVFUV501 PRIME	2008-005T16:30:20	GMB_E055_Titan40-000T05:00:00	000T02:00:00	2008-005T18:30:20	5032	36.23	Prime	UVIS_FUV to Titan	NEG_X to Sun	
VIMS 055TI EUVFUV002 UVIS	2008-005T16:30:20	GMB_E055_Titan40-000T05:00:00	000T02:00:00	2008-005T18:30:20	2777.8	20	SPASS Rider			
MAG 055TI MAGTITAN001 PRIME	2008-005T17:30:20	GMB_E055_Titan40-000T04:00:00	000T08:00:00	2008-006T01:30:20	1976	56.909	Non-SPASS			
CIRS 055TI NIGHTWAC001 ISS	2008-005T18:30:20	GMB_E055_Titan40-000T03:00:00	000T01:00:00	2008-005T19:30:20	2000	7.2	SPASS Rider			
ISS 055TI NIGHTWAC001 PRIME	2008-005T18:30:20	GMB_E055_Titan40-000T03:00:00	000T01:00:00	2008-005T19:30:20	0	20	Prime	ISS_NAC to Titan	NEG_X to Sun	
VIMS 055TI REGMAP001 ISS	2008-005T18:30:20	GMB_E055_Titan40-000T03:00:00	000T01:00:00	2008-005T19:30:20	11111.1	40	SPASS Rider			
CAPS 055TI T40INBD001 PRIME	2008-005T19:26:24		000T01:03:56	2008-005T20:30:20	4000	15.344	SPASS Rider			
CIRS 055TI FIRLMBINT001 PRIME	2008-005T19:30:20	GMB_E055_Titan40-000T02:00:00	000T00:55:00	2008-005T20:25:20	4000	13.2	Prime	CIRS_FP1 to Titan	PIC	
CIRS 055TI FIRLMBINT001 SI	2008-005T19:30:20	GMB_E055_Titan40-000T02:00:00	000T00:55:00	2008-005T20:25:20	0	2	SPASS Rider			
ISS 055TI FIRLMBINT001 CIRS	2008-005T19:30:20	GMB_E055_Titan40-000T02:00:00	000T00:55:00	2008-005T20:25:20	0	10	SPASS Rider			
MIMI 055TI T40INBD001 CAPS	2008-005T19:30:20	GMB_E055_Titan40-000T02:00:00	000T01:00:00	2008-005T20:30:20	2000	7.2	SPASS Rider			
RPWS 055TI TIINTRMED001 PRIME	2008-005T19:30:20	GMB_E055_Titan40-000T02:00:00	000T01:30:00	2008-005T21:00:20	23499.9	126.9	Non-SPASS			
SP 055NA BEGCUSTOM005 PRIME	2008-005T19:30:20	GMB_E055_Titan40-000T02:00:00	000T00:00:01	2008-005T19:30:21	0	0	SPASS Note			
UVIS 055TI FIRLMBINT001 CIRS	2008-005T19:30:20	GMB_E055_Titan40-000T02:00:00	000T00:55:00	2008-005T20:25:20	1006.4	3.321	SPASS Rider			
VIMS 055TI FIRLMBINT002 CIRS	2008-005T19:30:20	GMB_E055_Titan40-000T02:00:00	000T00:55:00	2008-005T20:25:20	10909.1	36	SPASS Rider			
CIRS 055TI ALPLYR002 UVIS	2008-005T20:25:20	GMB_E055_Titan40-000T01:05:00	000T00:37:00	2008-005T21:02:20	4000	8.88	SPASS Rider			
ENGR 055SC ORSRC005 PPS	2008-005T20:25:20	GMB_E055_Titan40-000T01:05:00	000T00:20:51	2008-005T20:46:11	0	0	Prime	ISS_NAC to 279.234/38.784	NEG_X to Sun	Deadband = (2, 2, 20)
UVIS 055ST ALPLYR002 ENGR	2008-005T20:25:20	GMB_E055_Titan40-000T01:05:00	000T00:21:00	2008-005T20:46:20	32096	40.441	SPASS Rider			
CAPS 055TI T40CLOSE001 PRIME	2008-005T20:30:20	GMB_E055_Titan40-000T01:05:00	000T02:00:00	2008-005T22:30:20	16000	115.2	SPASS Rider			
INMS 055TI T40RMPNT001 INMS	2008-005T20:30:20	GMB_E055_Titan40-000T01:00:00	000T00:55:00	2008-005T21:25:20	1498	4.943	Non-SPASS			
MIMI 055TI T40CLOSE001 CAPS	2008-005T20:30:20	GMB_E055_Titan40-000T01:00:00	000T02:00:00	2008-005T22:30:20	2000	14.4	SPASS Rider			
UVIS 055ST ALPLYR002 PRIME	2008-005T20:46:20	GMB_E055_Titan40-000T00:44:00	000T00:16:00	2008-005T21:02:20	32096	30.812	Prime	ISS_NAC to 279.234/38.784 (0.115,0,0,0.0 deg. offset)	NEG_X to Sun	
RPWS 055TI TICA001 PRIME	2008-005T21:00:20	GMB_E055_Titan40-000T00:30:00	000T00:30:00	2008-005T21:30:20	100001.1	180.002	Non-SPASS			
SP 055NA ENDCUSTOM005 PRIME	2008-005T21:02:20	GMB_E055_Titan40-000T00:28:00	000T00:00:01	2008-005T21:02:21	0	0	SPASS Note			
SP 055TI WAYPTTURN005 PRIME	2008-005T21:02:20	GMB_E055_Titan40-000T00:28:00	000T00:05:00	2008-005T21:07:20	0	0	New Waypoint	NEG_Y to 213.915/19.182	NEG_Z to NTP	SP Turn to Waypoint on thrusters
VIMS 055TI STAROCC001 PRIME	2008-005T21:07:20	GMB_E055_Titan40-000T00:23:00	000T00:15:00	2008-005T21:22:20	22222.2	20	Prime	VIMS_IR to 213.915/19.183	NEG_Z to North Pole Dir	
ENGR 055SC AACSDUAL001 CDS	2008-005T21:15:20	GMB_E055_Titan40-000T00:15:00	000T00:30:00	2008-005T21:45:20	1638	2.948	Non-SPASS			
SP 055TI WAYPTTURN005 PRIME	2008-005T21:22:20	GMB_E055_Titan40-000T00:08:00	000T00:03:00	2008-005T21:25:20	0	0	New Waypoint	NEG_X to Titan_SC_RAM	NEG_Y to Titan	SP Turn to Waypoint on thrusters
CIRS 055IC T40RMPNT001 INMS	2008-005T21:25:20	GMB_E055_Titan40-000T00:05:00	000T00:15:00	2008-005T21:40:20	3400	3.06	SPASS Rider			
INMS 055TI T40RMPNT001 PRIME	2008-005T21:25:20	GMB_E055_Titan40-000T00:05:00	000T00:15:00	2008-005T21:40:20	1498	1.348	Prime	NEG_X to Titan_SC_RAM	NEG_Y to Titan	



CIMS TOL for 055TI (T40) (con't)

055TI (T40)

MP 055TI FLYBYT040 NA	2008-005T21:30:20		000T00:00:01	2008-005T21:30:21	0	0	Non-SPASS			
RPWS 055TI TICA002 PRIME	2008-005T21:30:20	GMB E055 Titan40+000T00:00:00	000T00:30:00	2008-005T22:00:20	60928.7	109.672	Non-SPASS			
CIRS 055TI FIRNADCMPO04 RIDER	2008-005T21:40:20	GMB E055 Titan40+000T00:10:00	000T00:05:00	2008-005T21:45:20	4000	1.2	SPASS Rider			
INMS 055TI T40RMPNT002 INMS	2008-005T21:40:20	GMB E055 Titan40+000T00:10:00	000T00:50:00	2008-005T22:30:20	1498	4.494	Non-SPASS			
SP 055TI WAYPTTURN705 PRIME	2008-005T21:40:20	GMB E055 Titan40+000T00:10:00	000T00:07:00	2008-005T21:47:20	0	0	New Waypoint	VIMS_IR to Titan (0.0,-80.0,0.0 deg. offset)	NEG X to Sun	SP Turn to Waypoint (landing site) VIMS_IR to LAT - 10.46 Long 197.61(W) (0,-80,0) on thrusters
CIRS 055TI HIRES001 VIMS	2008-005T21:45:20	GMB E055 Titan40+000T00:15:00	000T00:13:00	2008-005T21:58:20	4000	3.12	SPASS Rider			
ISS 055TI HIRES001 VIMS	2008-005T21:45:20	GMB E055 Titan40+000T00:15:00	000T00:13:00	2008-005T21:58:20	0	10	SPASS Rider			
VIMS 055TI HIRES001 PRIME	2008-005T21:47:20	GMB E055 Titan40+000T00:17:00	000T00:19:00	2008-005T22:06:20	55263.2	63	Prime	VIMS_IR to Titan (0.0,-80.0,0.0 deg. offset)	NEG X to Sun	
CIRS 055TI FIRNADCMPO05 RIDER	2008-005T21:58:20	GMB E055 Titan40+000T00:28:00	000T00:08:00	2008-005T22:06:20	4000	1.92	SPASS Rider			
RPWS 055TI TIINTRMED002 PRIME	2008-005T22:00:20	GMB E055 Titan40+000T00:30:00	000T01:30:00	2008-005T23:30:20	3499.8	18.899	Non-SPASS			
CIRS 055TI FIRNADCMPO06 RIDER	2008-005T22:06:20	GMB E055 Titan40+000T00:36:00	000T00:24:00	2008-005T22:30:20	2000	2.88	SPASS Rider			
ENGR 055SC DFWBBIAS005 PPS	2008-005T22:06:20	GMB E055 Titan40+000T00:36:00	000T00:21:05	2008-005T22:27:25	0	0	Prime	VIMS_IR to Titan	NEG X to Sun	
ISS 055SC DFWBBIAS005 ENGR	2008-005T22:06:20	GMB E055 Titan40+000T00:36:00	000T00:24:00	2008-005T22:30:20	0	10	SPASS Rider			
VIMS 055TI TRANS004 ENGR	2008-005T22:06:20	GMB E055 Titan40+000T00:36:00	000T00:21:05	2008-005T22:27:25	14229.2	18	SPASS Rider			
MP 055SA RPXASCEND055 NA	2008-005T22:20:50		000T00:00:01	2008-005T22:20:51	0	0	Non-SPASS			
SP 055TI WAYPTTURN905 PRIME	2008-005T22:27:25	GMB E055 Titan40+000T00:57:00	000T00:15:00	2008-005T22:42:25	0	0	New Waypoint	ISS NAC to Titan	NEG X to Sun	
CAPS 055TI T400UTBND001 PRIME	2008-005T22:30:20	GMB E055 Titan40+000T01:00:00	000T01:00:00	2008-005T23:30:20	4000	14.4	SPASS Rider			
INMS 055TI T400UTBND001 RIDER	2008-005T22:30:20	GMB E055 Titan40+000T01:00:00	000T11:00:00	2008-006T09:30:20	100	3.96	Non-SPASS			
MIMI 055TI T400UTBND001 CAPS	2008-005T22:30:20	GMB E055 Titan40+000T01:00:00	000T01:00:00	2008-005T23:30:20	2000	7.2	SPASS Rider			
CIRS 055TI HIRESNAC001 VIMS	2008-005T22:33:20	GMB E055 Titan40+000T01:03:00	000T00:57:00	2008-005T23:30:20	4000	13.68	SPASS Rider			
ISS 055TI HIRESNAC001 VIMS	2008-005T22:33:20	GMB E055 Titan40+000T01:03:00	000T00:57:00	2008-005T23:30:20	0	250	SPASS Rider			
VIMS 055TI HIRESNAC001 PRIME	2008-005T22:42:25	GMB E055 Titan40+000T01:12:00	000T00:47:55	2008-005T23:30:20	20869.6	60	Prime	VIMS_IR to Titan	NEG X to Sun	
CAPS 055SA SURVEY002 RIDER	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	001T07:59:36	2008-007T07:29:56	700	80.623	Non-SPASS			
CIRS 055TI REGMAP001 ISS	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	000T02:00:00	2008-006T01:30:20	4000	28.8	SPASS Rider			
ISS 055TI REGMAP001 PRIME	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	000T02:00:00	2008-006T01:30:20	0	380	Prime	ISS NAC to Titan	NEG X to Sun	
MIMI 055CO SURVEY004 RIDER	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	000T22:02:36	2008-006T21:32:56	900	71.42	Non-SPASS			
RPWS 055SA OUTSURVEY004 PRIME	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	001T07:59:36	2008-007T07:29:56	1080	124.391	Non-SPASS			
VIMS 055TI REGMAP002 ISS	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	000T02:00:00	2008-006T01:30:20	11111.1	80	SPASS Rider			
CIRS 055TI FIRNADMAP002 PRIME	2008-006T01:30:20	GMB E055 Titan40+000T04:00:00	000T01:00:00	2008-006T02:30:20	4000	14.4	Prime	CIRS FP1 to Titan	PIC	
CIRS 055TI FIRNADMAP002 SI	2008-006T01:30:20	GMB E055 Titan40+000T04:00:00	000T01:00:00	2008-006T02:30:20	0	2	SPASS Rider			
ISS 055TI FIRNADMAP002 CIRS	2008-006T01:30:20	GMB E055 Titan40+000T04:00:00	000T01:00:00	2008-006T02:30:20	0	10	SPASS Rider			
MAG 055OT SURVEY005 PRIME	2008-006T01:30:20	GMB E055 Titan40+000T04:00:00	000T20:03:49	2008-006T21:34:09	600	43.337	Non-SPASS			
VIMS 055TI FIRNADCMPO02 CIRS	2008-006T01:30:20	GMB E055 Titan40+000T04:00:00	000T01:00:00	2008-006T02:30:20	5000	18	SPASS Rider			
CIRS 055TI MEDRES003 VIMS	2008-006T02:30:20	GMB E055 Titan40+000T05:00:00	000T02:00:00	2008-006T04:30:20	2000	14.4	SPASS Rider			
ISS 055TI MEDRES003 VIMS	2008-006T02:30:20	GMB E055 Titan40+000T05:00:00	000T02:00:00	2008-006T04:30:20	0	10	SPASS Rider			
VIMS 055TI MEDRES003 PRIME	2008-006T02:30:20	GMB E055 Titan40+000T05:00:00	000T02:00:00	2008-006T04:30:20	4166.7	30	Prime	ISS NAC to Titan	NEG X to Sun	
CIRS 055TI FIRNADCMPO05 ISS	2008-006T04:30:20	GMB E055 Titan40+000T07:00:00	000T02:00:00	2008-006T06:30:20	2000	14.4	SPASS Rider			
ISS 055TI GLOBMAP001 PRIME	2008-006T04:30:20	GMB E055 Titan40+000T07:00:00	000T01:40:00	2008-006T06:10:20	0	60	Prime	ISS NAC to Titan	NEG X to Sun	
VIMS 055TI NACWAC001 ISS	2008-006T05:30:20	GMB E055 Titan40+000T08:00:00	000T01:00:00	2008-006T06:30:20	10555.6	38	SPASS Rider			
ISS 055TI PHOTOWAC002 PRIME	2008-006T06:10:20	GMB E055 Titan40+000T08:40:00	000T00:20:00	2008-006T06:30:20	0	20	Prime	ISS NAC to Titan	NEG X to Sun	
CIRS 055TI FIRNADCMPO02 PRIME	2008-006T06:30:20	GMB E055 Titan40+000T09:00:00	000T05:00:00	2008-006T11:30:20	4000	72	Prime	CIRS FP1 to Titan	PIC	
CIRS 055TI FIRNADCMPO02 SI	2008-006T06:30:20	GMB E055 Titan40+000T09:00:00	000T05:00:00	2008-006T11:30:20	0	5	SPASS Rider			
ISS 055TI FIRNADCMPO02 CIRS	2008-006T06:30:20	GMB E055 Titan40+000T09:00:00	000T05:00:00	2008-006T11:30:20	0	10	SPASS Rider			
UVIS 055TI FIRNADCMPO02 CIRS	2008-006T06:30:20	GMB E055 Titan40+000T09:00:00	000T05:00:00	2008-006T11:30:20	1006.4	18.115	SPASS Rider			
VIMS 055TI MIRLMBINT001 CIRS	2008-006T06:30:20	GMB E055 Titan40+000T09:00:00	000T05:00:00	2008-006T11:30:20	1944.4	35	SPASS Rider			
INMS 055SA SURVEY004 RIDER	2008-006T09:25:11		000T12:03:49	2008-006T21:29:00	50	2.171	Non-SPASS			
CIRS 055TI MIDIRTMAP002 PRIME	2008-006T11:30:20	GMB E055 Titan40+000T14:00:00	000T10:14:00	2008-006T21:44:20	4000	147.36	Prime	CIRS FPB to Titan	POS X to North Pole Dir	
CIRS 055TI MIDIRTMAP002 SI	2008-006T11:30:20	GMB E055 Titan40+000T14:00:00	000T10:14:00	2008-006T21:44:20	0	6	SPASS Rider			
ISS 055TI MIDIRTMAP002 CIRS	2008-006T11:30:20	GMB E055 Titan40+000T14:00:00	000T10:14:00	2008-006T21:44:20	0	10	SPASS Rider			
VIMS 055TI MIRTEMP001 CIRS	2008-006T11:30:20	GMB E055 Titan40+000T14:00:00	000T10:14:00	2008-006T21:44:20	488.6	18	SPASS Rider			
INMS 055SA SURVEY005 RIDER	2008-006T21:29:00		000T03:11:00	2008-007T00:40:00	50	0.573	Non-SPASS			
MAG 055OT SURVEY003 PRIME	2008-006T21:29:00		000T03:11:00	2008-007T00:40:00	600	6.876	Non-SPASS			
MIMI 055CO SURVEY006 RIDER	2008-006T21:29:01		000T03:11:00	2008-007T00:40:01	900	10.314	Non-SPASS			
SP 055TI DEADTIME006 PRIME	2008-006T21:44:20	GMB E055 Titan40+001T00:14:00	000T00:11:40	2008-006T21:56:00	0	0	Prime	ISS NAC to Titan	NEG X to Sun	
SP 055EA DLTURN006 PRIME	2008-006T21:56:00		000T00:30:00	2008-006T22:26:00	0	0	Prime	XBAND to Earth	POS X to NEP	SP Turn to Earth
ENGR 055SC AACSDUAL002_CDS	2008-006T22:25:47		000T00:00:02	2008-006T22:25:49	0	0	Non-SPASS			
SP 055EA M70METNON006 PRIME	2008-006T22:26:00		000T09:00:00	2008-007T07:26:00	0	0	Prime	XBAND to Earth	6 Hr Rolling	
SP 055NA M70METNON006 SP	2008-006T22:26:00		000T09:00:00	2008-007T07:26:00	0	0	Non-SPASS			
UVIS 055SW IPHSURVEY012 RIDER	2008-006T22:26:00		000T09:00:00	2008-007T07:26:00	76	2.462	Non-SPASS			
CIRS 055IC DSCALI667 RIDER	2008-006T23:56:00		000T06:00:00	2008-007T05:56:00	4000	86.4	SPASS Rider			
INMS 055SU MAGBOUND002 CAPS	2008-007T00:40:00		002T21:50:00	2008-009T22:30:00	100	25.14	Non-SPASS			
MAG 055SU MAGBOUND001 MAPS	2008-007T00:40:00		000T06:46:00	2008-007T07:26:00	1975	48.135	Non-SPASS			
MIMI 055SU MAGBOUND002 RIDER	2008-007T00:40:00		002T21:53:08	2008-009T22:33:08	1818	457.387	SPASS Rider			



055TI (T40) CIMS TOL Sorted by Team

055TI (T40)

Request	Start Time	Epoch	Duration	End Time	Rate	Data Volume	SPASS Type	Primary Pointing	Secondary Pointing	Pointing Agreement
CAPS_055SA_SURVEY002_RIDER	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	001T07:59:36	2008-007T07:29:56	700	80.623	Non-SPASS			
CAPS_055SA_SURVEY004_RIDER	2008-005T07:18:00		000T12:12:20	2008-005T19:30:20	700	30.758	Non-SPASS			
CAPS_055TI_T40CLOSE001_PRIME	2008-005T20:30:20	GMB E055 Titan40-000T01:00:00	000T02:00:00	2008-005T22:30:20	16000	115.2	SPASS Rider			
CAPS_055TI_T40INBND001_PRIME	2008-005T19:26:24		000T01:03:56	2008-005T20:30:20	4000	15.344	SPASS Rider			
CAPS_055TI_T40OUTBND001_PRIME	2008-005T22:30:20	GMB E055 Titan40+000T01:00:00	000T01:00:00	2008-005T23:30:20	4000	14.4	SPASS Rider			
CDA_055DR_0705DUST419_RIDER	2008-004T09:35:33		001T00:10:48	2008-005T09:46:21	199.6	17.379	Non-SPASS			
CDA_055DR_1704DUST420_RIDER	2008-005T11:48:19		004T10:31:46	2008-009T22:20:05	149.9	57.474	Non-SPASS			
CDA_055RI_1604RINGM004_RIDER	2008-005T09:47:19		000T02:00:00	2008-005T11:47:19	524	3.773	Non-SPASS			
CIRS_055IC_DSCAL1667_RIDER	2008-006T23:56:00		000T06:00:00	2008-007T05:56:00	4000	86.4	SPASS Rider			
CIRS_055IC_T40RMPNT001_INMS	2008-005T21:25:20	GMB E055 Titan40-000T00:05:00	000T00:15:00	2008-005T21:40:20	3400	3.06	SPASS Rider			
CIRS_055TE_OPPSGA001_ISS	2008-005T06:18:00		000T01:00:00	2008-005T07:18:00	4000	14.4	SPASS Rider			
CIRS_055TI_ALPLYR002_UVIS	2008-005T20:25:20	GMB E055 Titan40-000T01:05:00	000T00:37:00	2008-005T21:02:20	4000	8.88	SPASS Rider			
CIRS_055TI_EUVFUV001_UVIS	2008-005T12:30:20	GMB E055 Titan40-000T09:00:00	000T04:00:00	2008-005T16:30:20	4000	57.6	SPASS Rider			
CIRS_055TI_EUVFUV501_UVIS	2008-005T16:30:20	GMB E055 Titan40-000T05:00:00	000T02:00:00	2008-005T18:30:20	2000	14.4	SPASS Rider			
CIRS_055TI_FIRLMBINT001_PRIME	2008-005T19:30:20	GMB E055 Titan40-000T02:00:00	000T00:55:00	2008-005T20:25:20	4000	13.2	Prime	CIRS_FP1 to Titan	PIC	
CIRS_055TI_FIRLMBINT001_SI	2008-005T19:30:20	GMB E055 Titan40-000T02:00:00	000T00:55:00	2008-005T20:25:20	0	2	SPASS Rider			
CIRS_055TI_FIRNADCM001_PRIME	2008-005T08:07:20	GMB E055 Titan40-000T13:23:00	000T03:23:00	2008-005T11:30:20	4000	48.72	Prime	CIRS_FP1 to Titan	PIC	
CIRS_055TI_FIRNADCM001_SI	2008-005T08:07:20	GMB E055 Titan40-000T13:23:00	000T03:23:00	2008-005T11:30:20	0	3	SPASS Rider			
CIRS_055TI_FIRNADCM002_PRIME	2008-006T06:30:20	GMB E055 Titan40+000T09:00:00	000T05:00:00	2008-006T11:30:20	4000	72	Prime	CIRS_FP1 to Titan	PIC	
CIRS_055TI_FIRNADCM002_SI	2008-006T06:30:20	GMB E055 Titan40+000T09:00:00	000T05:00:00	2008-006T11:30:20	0	5	SPASS Rider			
CIRS_055TI_FIRNADCM004_RIDER	2008-005T21:40:20	GMB E055 Titan40+000T00:10:00	000T00:05:00	2008-005T21:45:20	4000	1.2	SPASS Rider			
CIRS_055TI_FIRNADCM005_ISS	2008-006T04:30:20	GMB E055 Titan40+000T07:00:00	000T02:00:00	2008-006T06:30:20	2000	14.4	SPASS Rider			
CIRS_055TI_FIRNADCM005_RIDER	2008-005T21:58:20	GMB E055 Titan40+000T00:28:00	000T00:08:00	2008-005T22:06:20	4000	1.92	SPASS Rider			
CIRS_055TI_FIRNADCM006_RIDER	2008-005T22:06:20	GMB E055 Titan40+000T00:36:00	000T00:24:00	2008-005T22:30:20	2000	2.88	SPASS Rider			
CIRS_055TI_FIRNADMAP002_PRIME	2008-006T01:30:20	GMB E055 Titan40+000T04:00:00	000T01:00:00	2008-006T02:30:20	4000	14.4	Prime	CIRS_FP1 to Titan	PIC	
CIRS_055TI_FIRNADMAP002_SI	2008-006T01:30:20	GMB E055 Titan40+000T04:00:00	000T01:00:00	2008-006T02:30:20	0	2	SPASS Rider			
CIRS_055TI_HIRES001_VIMS	2008-005T21:45:20	GMB E055 Titan40+000T00:15:00	000T00:13:00	2008-005T21:58:20	4000	3.12	SPASS Rider			
CIRS_055TI_HIRESNAC001_VIMS	2008-005T22:33:20	GMB E055 Titan40+000T01:03:00	000T00:57:00	2008-005T23:30:20	4000	13.68	SPASS Rider			
CIRS_055TI_MEDRES003_VIMS	2008-006T02:30:20	GMB E055 Titan40+000T05:00:00	000T02:00:00	2008-006T04:30:20	2000	14.4	SPASS Rider			
CIRS_055TI_MIDIRTMAP002_PRIME	2008-006T11:30:20	GMB E055 Titan40+000T14:00:00	000T10:14:00	2008-006T21:44:20	4000	147.36	Prime	CIRS_FPB to Titan	POS_X to North Pole Dir	
CIRS_055TI_MIDIRTMAP002_SI	2008-006T11:30:20	GMB E055 Titan40+000T14:00:00	000T10:14:00	2008-006T21:44:20	0	6	SPASS Rider			
CIRS_055TI_NIGHTWAC001_ISS	2008-005T18:30:20	GMB E055 Titan40-000T03:00:00	000T01:00:00	2008-005T19:30:20	2000	7.2	SPASS Rider			
CIRS_055TI_PHOTOMWAC001_ISS	2008-005T11:30:20	GMB E055 Titan40-000T10:00:00	000T01:00:00	2008-005T12:30:20	2000	7.2	SPASS Rider			
CIRS_055TI_REGMAP001_ISS	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	000T02:00:00	2008-006T01:30:20	4000	28.8	SPASS Rider			
ENGR_055SC_AACSDUAL001_CDS	2008-005T21:15:20	GMB E055 Titan40-000T00:15:00	000T00:30:00	2008-005T21:45:20	1638	2.948	Non-SPASS			
ENGR_055SC_AACSDUAL002_CDS	2008-006T22:25:47		000T00:00:02	2008-006T22:25:49	0	0	Non-SPASS			
ENGR_055SC_DFPW005_PPS	2008-005T05:48:00		000T00:00:30	2008-005T05:48:30	0	0	Non-SPASS			
ENGR_055SC_DFPWBIA005_PPS	2008-005T22:06:20	GMB E055 Titan40+000T00:36:00	000T00:21:05	2008-005T22:27:25	0	0	Prime	VIMS_IR to Titan	NEG_X to Sun	
ENGR_055SC_ORSRCS005_PPS	2008-005T20:25:20	GMB E055 Titan40-000T01:05:00	000T00:20:51	2008-005T20:46:11	0	0	Prime	ISS_NAC to 279.234/38.784	NEG_X to Sun	Deadband = (2, 2, 20)
INMS_055SA_PTOTM142B001_RIDER	2008-004T16:18:00		000T17:08:24	2008-005T09:26:24	50	3.085	Non-SPASS			
INMS_055SA_SURVEY004_RIDER	2008-006T09:25:11		000T12:03:49	2008-006T21:29:00	50	2.171	Non-SPASS			
INMS_055SA_SURVEY005_RIDER	2008-006T21:29:00		000T03:11:00	2008-007T00:40:00	50	0.573	Non-SPASS			
INMS_055SU_MAGBOUND002_CAPS	2008-007T00:40:00		002T21:50:00	2008-009T22:30:00	100	25.14	Non-SPASS			
INMS_055TI_T40INBND001_RIDER	2008-005T09:26:24		000T11:03:56	2008-005T20:30:20	100	3.984	Non-SPASS			
INMS_055TI_T40OUTBND001_RIDER	2008-005T22:30:20	GMB E055 Titan40+000T01:00:00	000T11:00:00	2008-006T09:30:20	100	3.96	Non-SPASS			
INMS_055TI_T40RMPNT001_INMS	2008-005T20:30:20	GMB E055 Titan40-000T01:00:00	000T00:55:00	2008-005T21:25:20	1498	4.943	Non-SPASS			
INMS_055TI_T40RMPNT001_PRIME	2008-005T21:25:20	GMB E055 Titan40-000T00:05:00	000T00:15:00	2008-005T21:40:20	1498	1.348	Prime	NEG_X to Titan_SC_RAM	NEG_Y to Titan	
INMS_055TI_T40RMPNT002_INMS	2008-005T21:40:20	GMB E055 Titan40+000T00:10:00	000T00:50:00	2008-005T22:30:20	1498	4.494	Non-SPASS			
ISS_055SC_DFPWBIA005_ENGR	2008-005T22:06:20	GMB E055 Titan40+000T00:36:00	000T00:24:00	2008-005T22:30:20	0	10	SPASS Rider			
ISS_055TE_OPPSGA001_PRIME	2008-005T06:18:00		000T01:00:00	2008-005T07:18:00	0	67.109	Prime	ISS_NAC to Tethys	POS_Z to NSP	SP will turn to Tethys
ISS_055TI_EUVFUV001_UVIS	2008-005T12:30:20	GMB E055 Titan40-000T09:00:00	000T04:00:00	2008-005T16:30:20	0	10	SPASS Rider			
ISS_055TI_EUVFUV501_UVIS	2008-005T16:30:20	GMB E055 Titan40-000T05:00:00	000T02:00:00	2008-005T18:30:20	0	10	SPASS Rider			
ISS_055TI_FIRLMBINT001_CIRS	2008-005T19:30:20	GMB E055 Titan40-000T02:00:00	000T00:55:00	2008-005T20:25:20	0	10	SPASS Rider			
ISS_055TI_FIRNADCM001_CIRS	2008-005T08:07:20	GMB E055 Titan40-000T13:23:00	000T03:23:00	2008-005T11:30:20	0	10	SPASS Rider			
ISS_055TI_FIRNADCM002_CIRS	2008-006T06:30:20	GMB E055 Titan40+000T09:00:00	000T05:00:00	2008-006T11:30:20	0	10	SPASS Rider			
ISS_055TI_FIRNADMAP002_CIRS	2008-006T01:30:20	GMB E055 Titan40+000T04:00:00	000T01:00:00	2008-006T02:30:20	0	10	SPASS Rider			
ISS_055TI_GLOBMAP001_PRIME	2008-006T04:30:20	GMB E055 Titan40+000T07:00:00	000T01:40:00	2008-006T06:10:20	0	60	Prime	ISS_NAC to Titan	NEG_X to Sun	
ISS_055TI_HIRES001_VIMS	2008-005T21:45:20	GMB E055 Titan40+000T00:15:00	000T00:13:00	2008-005T21:58:20	0	10	SPASS Rider			
ISS_055TI_HIRESNAC001_VIMS	2008-005T22:33:20	GMB E055 Titan40+000T01:03:00	000T00:57:00	2008-005T23:30:20	0	250	SPASS Rider			
ISS_055TI_MEDRES003_VIMS	2008-006T02:30:20	GMB E055 Titan40+000T05:00:00	000T02:00:00	2008-006T04:30:20	0	10	SPASS Rider			
ISS_055TI_MIDIRTMAP002_CIRS	2008-006T11:30:20	GMB E055 Titan40+000T14:00:00	000T10:14:00	2008-006T21:44:20	0	10	SPASS Rider			
ISS_055TI_NIGHTWAC001_PRIME	2008-005T18:30:20	GMB E055 Titan40-000T03:00:00	000T01:00:00	2008-005T19:30:20	0	20	Prime	ISS_NAC to Titan	NEG_X to Sun	



055TI (T40) CIMS TOL Sorted by Team (con't) 055TI (T40)

ISS 055TI PHOTOMWAC001 PRIME	2008-00511:30:20	GMB E055 Titan40-000T10:00:00	000T01:00:00	2008-00512:30:20	0	20	Prime	ISS NAC to Titan	NEG X to Sun	
ISS 055TI PHOTOMWAC002 PRIME	2008-006T06:10:20	GMB E055 Titan40+000T08:40:00	000T00:20:00	2008-006T06:30:20	0	20	Prime	ISS NAC to Titan	NEG X to Sun	
ISS 055TI REGMAP001 PRIME	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	000T02:00:00	2008-006T01:30:20	0	380	Prime	ISS NAC to Titan	NEG X to Sun	
MAG 055OT SURVEY002 PRIME	2008-005T07:18:00		000T10:12:20	2008-005T17:30:20	600	22.04	Non-SPASS			
MAG 055OT SURVEY003 PRIME	2008-006T21:29:00		000T03:11:00	2008-007T00:40:00	600	6.876	Non-SPASS			
MAG 055OT SURVEY005 PRIME	2008-006T01:30:20	GMB E055 Titan40+000T04:00:00	000T20:03:49	2008-006T21:34:09	600	43.337	Non-SPASS			
MAG 055SU MAGBOUND001 MAPS	2008-007T00:40:00		000T06:46:00	2008-007T07:26:00	1976	48.135	Non-SPASS			
MAG 055TI MAGTITAN001 PRIME	2008-005T17:30:20	GMB E055 Titan40-000T04:00:00	000T08:00:00	2008-006T01:30:20	1976	56.909	Non-SPASS			
MIMI 055CO SURVEY003 RIDER	2008-004T21:29:00		000T22:01:20	2008-005T19:30:20	900	71.352	Non-SPASS			
MIMI 055CO SURVEY004 RIDER	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	000T22:02:36	2008-006T21:32:56	900	71.42	Non-SPASS			
MIMI 055CO SURVEY006 RIDER	2008-006T21:29:01		000T03:11:00	2008-007T00:40:01	900	10.314	Non-SPASS			
MIMI 055SU MAGBOUND002 RIDER	2008-007T00:40:00		002T21:53:08	2008-009T22:33:08	1818	457.387	SPASS Rider			
MIMI 055TI T40CLOSE001 CAPS	2008-005T20:30:20	GMB E055 Titan40-000T01:00:00	000T02:00:00	2008-005T22:30:20	2000	14.4	SPASS Rider			
MIMI 055TI T40INBND001 CAPS	2008-005T19:30:20	GMB E055 Titan40-000T02:00:00	000T01:00:00	2008-005T20:30:20	2000	7.2	SPASS Rider			
MIMI 055TI T40OUTBND001 CAPS	2008-005T22:30:20	GMB E055 Titan40+000T01:00:00	000T01:00:00	2008-005T23:30:20	2000	7.2	SPASS Rider			
MP 054NA SEQUENCE036 NA	2007-348T16:00:00	E054 SEQUENCE 036+000T00:00:00	038T21:35:00	2008-022T13:35:00	0	0	SPASS Note			
MP 055SA RPXASCEN005 NA	2008-005T22:20:50		000T00:00:01	2008-005T22:20:51	0	0	Non-SPASS			
MP 055TI FLYBYT040 NA	2008-005T21:30:20		000T00:00:01	2008-005T21:30:21	0	0	Non-SPASS			
RPWS 055SA OUTSURVEY002 PRIME	2008-005T07:18:00		000T12:12:20	2008-005T19:30:20	1080	47.456	Non-SPASS			
RPWS 055SA OUTSURVEY004 PRIME	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	001T07:59:36	2008-007T07:29:56	1080	124.391	Non-SPASS			
RPWS 055TI TICA001 PRIME	2008-005T21:00:20	GMB E055 Titan40-000T00:30:00	000T00:30:00	2008-005T21:30:20	100001.1	180.002	Non-SPASS			
RPWS 055TI TICA002 PRIME	2008-005T21:30:20	GMB E055 Titan40-000T00:00:00	000T00:30:00	2008-005T22:00:20	60928.7	109.672	Non-SPASS			
RPWS 055TI TIINTRMED001 PRIME	2008-005T19:30:20	GMB E055 Titan40-000T02:00:00	000T01:30:00	2008-005T21:00:20	23499.9	126.9	Non-SPASS			
RPWS 055TI TIINTRMED002 PRIME	2008-005T22:00:20	GMB E055 Titan40+000T00:30:00	000T01:30:00	2008-005T23:30:20	3499.8	18.899	Non-SPASS			
SP 055EA DLTRN006 PRIME	2008-006T21:56:00		000T00:30:00	2008-006T22:26:00	0	0	Prime	XBAND to Earth	POS X to NEP	SP Turn to Earth
SP 055EA M70METNON006 PRIME	2008-006T22:26:00		000T09:00:00	2008-007T07:26:00	0	0	Prime	XBAND to Earth	6 Hr Rolling	
SP 055NA BECCUSTOM005 PRIME	2008-005T19:30:20	GMB E055 Titan40-000T02:00:00	000T00:00:01	2008-005T19:30:21	0	0	SPASS Note			
SP 055NA ENDCUSTOM005 PRIME	2008-005T21:02:20	GMB E055 Titan40-000T00:28:00	000T00:00:01	2008-005T21:02:21	0	0	SPASS Note			
SP 055NA M70METNON006 SP	2008-006T22:26:00		000T09:00:00	2008-007T07:26:00	0	0	Non-SPASS			
SP 055NA M70OBSNON006 NA	2008-005T05:48:00		001T16:38:00	2008-006T22:26:00	0	0	Non-SPASS			
SP 055NA TOSTSEGO05 NA	2008-005T05:48:00		002T01:38:00	2008-007T07:26:00	0	0	SPASS Note			
SP 055TE WAYPTTURN006 PRIME	2008-005T05:48:00		000T00:30:00	2008-005T06:18:00	0	0	New Waypoint	ISS NAC to Tethys	POS Z to NSP	SP Turn to Waypoint
SP 055TI DEADTIME005 PRIME	2008-005T07:48:00		000T00:19:20	2008-005T08:07:20	0	0	Prime	ISS NAC to Titan	NEG X to Sun	
SP 055TI DEADTIME006 PRIME	2008-006T21:44:20	GMB E055 Titan40+001T00:14:00	000T00:11:40	2008-006T21:56:00	0	0	Prime	ISS NAC to Titan	NEG X to Sun	
SP 055TI WAYPTTURN005 PRIME	2008-005T07:18:00		000T00:30:00	2008-005T07:48:00	0	0	New Waypoint	ISS NAC to Titan	NEG X to Sun	SP Turn to Waypoint
SP 055TI WAYPTTURN005 PRIME	2008-005T21:02:20	GMB E055 Titan40-000T00:28:00	000T00:05:00	2008-005T21:07:20	0	0	New Waypoint	NEG Y to 213.915/19.182	NEG Z to NTP	SP Turn to Waypoint on thrusters
SP 055TI WAYPTTURN005 PRIME	2008-005T21:22:20	GMB E055 Titan40-000T00:08:00	000T00:03:00	2008-005T21:25:20	0	0	New Waypoint	NEG X to Titan_SC_RAM	NEG Y to Titan	SP Turn to Waypoint on thrusters
SP 055TI WAYPTTURN005 PRIME	2008-005T21:40:20	GMB E055 Titan40+000T00:10:00	000T00:07:00	2008-005T21:47:20	0	0	New Waypoint	VIMS_IR to Titan (0.0,-80.0,0.0 deg. offset)	NEG X to Sun	SP Turn to Waypoint (landing site) VIMS_IR to LAT - 10.46 Long 197.61(W) (0,-80,0) on thrusters
SP 055TI WAYPTTURN005 PRIME	2008-005T22:27:25	GMB E055 Titan40+000T00:57:05	000T00:15:00	2008-005T22:42:25	0	0	New Waypoint	ISS NAC to Titan	NEG X to Sun	
UVIS 055ST ALPLYR002 ENGR	2008-005T20:25:20	GMB E055 Titan40-000T01:05:00	000T00:21:00	2008-005T20:46:20	32096	40.441	SPASS Rider			
UVIS 055ST ALPLYR002 PRIME	2008-005T20:46:20	GMB E055 Titan40-000T00:44:00	000T00:16:00	2008-005T21:02:20	32096	30.812	Prime	ISS_NAC to 279.234/38.784 (0.115,0.0,0.0 deg. offset)	NEG X to Sun	
UVIS 055SW IPHSURVEY012 RIDER	2008-006T22:26:00		000T09:00:00	2008-007T07:26:00	76	2.462	Non-SPASS			
UVIS 055TI EUVFUV001 PRIME	2008-005T12:30:20	GMB E055 Titan40-000T09:00:00	000T04:00:00	2008-005T16:30:20	5032	72.461	Prime	UVIS_FUV to Titan	NEG X to Sun	
UVIS 055TI EUVFUV001 PRIME	2008-005T16:30:20	GMB E055 Titan40-000T05:00:00	000T02:00:00	2008-005T18:30:20	5032	36.23	Prime	UVIS_FUV to Titan	NEG X to Sun	
UVIS 055TI FIRLBINT001 CIRS	2008-005T19:30:20	GMB E055 Titan40-000T02:00:00	000T00:55:00	2008-005T20:25:20	1006.4	3.321	SPASS Rider			
UVIS 055TI FIRNADCP002 CIRS	2008-006T06:30:20	GMB E055 Titan40+000T09:00:00	000T05:00:00	2008-006T11:30:20	1006.4	18.115	SPASS Rider			
VIMS 055TE OPPSGA001 ISS	2008-005T06:18:00		000T01:00:00	2008-005T07:18:00	3611.1	13	SPASS Rider			
VIMS 055TI EUVFUV001 UVIS	2008-005T12:30:20	GMB E055 Titan40-000T09:00:00	000T04:00:00	2008-005T16:30:20	5000	72	SPASS Rider			
VIMS 055TI EUVFUV002 UVIS	2008-005T16:30:20	GMB E055 Titan40-000T05:00:00	000T02:00:00	2008-005T18:30:20	2777.8	20	SPASS Rider			
VIMS 055TI FIRNADCP001 CIRS	2008-005T08:07:20	GMB E055 Titan40-000T13:23:00	000T03:23:00	2008-005T11:30:20	1477.8	18	SPASS Rider			
VIMS 055TI FIRNADCP002 CIRS	2008-006T01:30:20	GMB E055 Titan40+000T04:00:00	000T01:00:00	2008-006T02:30:20	5000	18	SPASS Rider			
VIMS 055TI HIRES001 PRIME	2008-005T21:47:20	GMB E055 Titan40+000T00:17:00	000T00:19:00	2008-005T22:06:20	55263.2	63	Prime	VIMS_IR to Titan (0.0,-80.0,0.0 deg. offset)	NEG X to Sun	
VIMS 055TI HIRESNAC001 PRIME	2008-005T22:42:25	GMB E055 Titan40+000T01:12:05	000T00:47:55	2008-005T23:30:20	20869.6	60	Prime	VIMS_IR to Titan	NEG X to Sun	
VIMS 055TI MEDRES003 PRIME	2008-006T02:30:20	GMB E055 Titan40+000T05:00:00	000T02:00:00	2008-006T04:30:20	4166.7	30	Prime	ISS_NAC to Titan	NEG X to Sun	
VIMS 055TI MIRLBINT001 CIRS	2008-006T06:30:20	GMB E055 Titan40+000T09:00:00	000T05:00:00	2008-006T11:30:20	1944.4	35	SPASS Rider			
VIMS 055TI MIRLBINT002 CIRS	2008-005T19:30:20	GMB E055 Titan40-000T02:00:00	000T00:55:00	2008-005T20:25:20	10909.1	36	SPASS Rider			
VIMS 055TI MIRTEP001 CIRS	2008-006T11:30:20	GMB E055 Titan40+000T14:00:00	000T10:14:00	2008-006T21:44:20	488.6	18	SPASS Rider			
VIMS 055TI NACWAC001 ISS	2008-006T05:30:20	GMB E055 Titan40+000T08:00:00	000T01:00:00	2008-006T06:30:20	10555.6	38	SPASS Rider			
VIMS 055TI PHOTMAP001 ISS	2008-005T11:30:20	GMB E055 Titan40-000T10:00:00	000T01:00:00	2008-005T12:30:20	5555.6	20	SPASS Rider			
VIMS 055TI REGMAP001 ISS	2008-005T18:30:20	GMB E055 Titan40-000T03:00:00	000T01:00:00	2008-005T19:30:20	11111.1	40	SPASS Rider			
VIMS 055TI REGMAP002 ISS	2008-005T23:30:20	GMB E055 Titan40+000T02:00:00	000T02:00:00	2008-006T01:30:20	11111.1	80	SPASS Rider			
VIMS 055TI STAROCC001 PRIME	2008-005T21:07:20	GMB E055 Titan40-000T00:23:00	000T00:15:00	2008-005T21:22:20	22222.2	20	Prime	VIMS_IR to 213.915/19.183	NEG Z to North Pole Dir	
VIMS 055TI TRANS004 ENGR	2008-005T22:06:20	GMB E055 Titan40+000T00:36:00	000T00:21:05	2008-005T22:27:25	14229.2	18	SPASS Rider			



T40 SPASS

Sequence S036, length = 39 ...		2007-348T16:00:00	E054_SEQUENCE_036+000T00:0038T21:35:00	2008-022T13:35:00			
TOST rev 55 Segment		2008-005T05:48:00		002T01:38:00	2008-007T07:26:00		
SP_055TE_WAYPTTURN06_PRIME		2008-005T05:48:00		000T00:30:00	2008-005T06:18:00	ISS_NAC to Tethys	POS_Z to NSP SP Turn to Waypoint
NEW WAYPOINT		2008-005T06:18:00		000T01:30:00	2008-005T07:48:00	ISS_NAC to Tethys	POS_Z to NSP
ISS_055TE_OPSPGA001_PRIME	C, V	2008-005T06:18:00		000T01:00:00	2008-005T07:18:00	ISS_NAC to Tethys	POS_Z to NSP SP will turn to Tethys
SP_055TI_WAYPTTURN005_PRIME		2008-005T07:18:00		000T00:30:00	2008-005T07:48:00	ISS_NAC to Titan	NEG_X to Sun SP Turn to Waypoint
NEW WAYPOINT		2008-005T07:48:00		000T13:19:20	2008-005T21:07:20	ISS_NAC to Titan	NEG_X to Sun
SP_055TI_DEADTIME005_PRIME		2008-005T07:48:00		000T00:19:20	2008-005T08:07:20	ISS_NAC to Titan	NEG_X to Sun
CIRS_055TI_FIRNADCMPO01_PRIME	C, I, V	2008-005T08:07:20	GMB_E055_Titan40-000T13:23:0000T03:23:00	2008-005T11:30:20	2008-005T11:30:20	CIRS_FP1 to Titan	PIC
ISS_055TI_PHOTOMWAC001_PRIME	C, V	2008-005T11:30:20	GMB_E055_Titan40-000T10:00:0000T01:00:00	2008-005T12:30:20	2008-005T12:30:20	ISS_NAC to Titan	NEG_X to Sun
UVIS_055TI_EUVFUV001_PRIME	C, I, V	2008-005T12:30:20	GMB_E055_Titan40-000T09:00:0000T04:00:00	2008-005T16:30:20	2008-005T16:30:20	UVIS_FUV to Titan	NEG_X to Sun
UVIS_055TI_EUVFUV001_PRIME	C, I, V	2008-005T16:30:20	GMB_E055_Titan40-000T05:00:0000T02:00:00	2008-005T18:30:20	2008-005T18:30:20	UVIS_FUV to Titan	NEG_X to Sun
ISS_055TI_NIGHTWAC001_PRIME	C, M, V	2008-005T18:30:20	GMB_E055_Titan40-000T03:00:0000T01:00:00	2008-005T19:30:20	2008-005T19:30:20	ISS_NAC to Titan	NEG_X to Sun
Begin Custom Period		2008-005T19:30:20	GMB_E055_Titan40-000T02:00:0000T00:00:01	2008-005T19:30:21	2008-005T19:30:21	ISS_NAC to Titan	NEG_X to Sun
CIRS_055TI_FIRLMBINT001_PRIME	C, I, M, U, V	2008-005T19:30:20	GMB_E055_Titan40-000T02:00:0000T00:55:00	2008-005T20:25:20	2008-005T20:25:20	CIRS_FP1 to Titan	PIC Pick up at ISS_NAC to Titan, NEG_X to Sun; Hand off at ISS_NAC to 279.234/38.784 (0.115,0,0,0 deg. offset), NEG_X to Sun.
ENGR_055SC_ORSRCS005_PPS	C, M, U	2008-005T20:25:20	GMB_E055_Titan40-000T01:05:0000T00:20:51	2008-005T20:46:11	2008-005T20:46:11	ISS_NAC to 279.234/38.784	NEG_X to Sun Pick up at ISS_NAC to 279.234/38.784 (0.115,0,0,0 deg. offset), NEG_X to Sun; Hand off at ISS_NAC to 279.234/38.784 (0.115,0,0,0 deg. offset), NEG_X to Sun. Deadband = (2, 2, 20)
UVIS_055ST_ALPLYR002_PRIME	C, M	2008-005T20:46:20	GMB_E055_Titan40-000T00:44:0000T00:16:00	2008-005T21:02:20	2008-005T21:02:20	ISS_NAC to 279.234/38.784 (0.115,0,	NEG_X to Sun Pick up at ISS_NAC to 279.234/38.784 (0.115,0,0,0 deg. offset), NEG_X to Sun; Hand off at ISS_NAC to Titan, NEG_X to Sun.
End Custom Period		2008-005T21:02:20	GMB_E055_Titan40-000T00:20:0000T00:00:01	2008-005T21:02:21	2008-005T21:02:21	ISS_NAC to Titan	NEG_X to Sun
SP_055TI_WAYPTTURN505_PRIME	M	2008-005T21:02:20	GMB_E055_Titan40-000T00:28:0000T00:05:00	2008-005T21:07:20	2008-005T21:07:20	NEG_Y to 213.915/19.182	NEG_Z to NTP SP Turn to Waypoint on thrusters
NEW WAYPOINT		2008-005T21:07:20		000T00:18:00	2008-005T21:25:20	NEG_Y to 213.915/19.182	NEG_Z to NTP
VIMS_055TI_STAROCC001_PRIME	M	2008-005T21:07:20	GMB_E055_Titan40-000T00:23:0000T00:15:00	2008-005T21:22:20	2008-005T21:22:20	VIMS_IR to 213.915/19.183	NEG_Z to North_Pole_Dir
SP_055TI_WAYPTTURN605_PRIME	M	2008-005T21:22:20	GMB_E055_Titan40-000T00:08:0000T00:03:00	2008-005T21:25:20	2008-005T21:25:20	NEG_X to Titan_SC_RAM	NEG_Y to Titan SP Turn to Waypoint on thrusters
NEW WAYPOINT		2008-005T21:25:20		000T00:22:00	2008-005T21:47:20	NEG_X to Titan_SC_RAM	NEG_Y to Titan
INMS_055TI_T40RMPNT001_PRIME	C, M	2008-005T21:25:20	GMB_E055_Titan40-000T00:05:0000T00:15:00	2008-005T21:40:20	2008-005T21:40:20	NEG_X to Titan_SC_RAM	NEG_Y to Titan
SP_055TI_WAYPTTURN705_PRIME	C, I, M	2008-005T21:40:20	GMB_E055_Titan40+000T00:10:0000T00:07:00	2008-005T21:47:20	2008-005T21:47:20	VIMS_IR to Titan (0.0,-80.0,0.0 deg. o	NEG_X to Sun SP Turn to Waypoint (landing site) VIMS_IR to LAT -10.46 Long 197.61(W) (0,-80,0) on thrusters
NEW WAYPOINT		2008-005T21:47:20		000T00:55:05	2008-005T22:42:25	VIMS_IR to Titan (0.0,-80.0,0.0 de	NEG_X to Sun
VIMS_055TI_HIRES001_PRIME	C, I, M	2008-005T21:47:20	GMB_E055_Titan40+000T00:17:0000T00:19:00	2008-005T22:06:20	2008-005T22:06:20	VIMS_IR to Titan (0.0,-80.0,0.0 deg. o	NEG_X to Sun
ENGR_055SC_DFPWBIA005_PPS	C, I, M, V	2008-005T22:06:20	GMB_E055_Titan40+000T00:36:0000T00:21:05	2008-005T22:27:25	2008-005T22:27:25	VIMS_IR to Titan	NEG_X to Sun
SP_055TI_WAYPTTURN905_PRIME	C, I, M	2008-005T22:27:25	GMB_E055_Titan40+000T00:57:0000T00:15:00	2008-005T22:42:25	2008-005T22:42:25	ISS_NAC to Titan	NEG_X to Sun
NEW WAYPOINT		2008-005T22:42:25		001T08:43:35	2008-007T07:26:00	ISS_NAC to Titan	NEG_X to Sun
VIMS_055TI_HIRESNAC001_PRIME	C, I, M	2008-005T22:42:25	GMB_E055_Titan40+000T01:12:0000T00:47:55	2008-005T23:30:20	2008-005T23:30:20	VIMS_IR to Titan	NEG_X to Sun
ISS_055TI_REGMAP001_PRIME	C, V	2008-005T23:30:20	GMB_E055_Titan40+000T02:00:0000T02:00:00	2008-006T01:30:20	2008-006T01:30:20	ISS_NAC to Titan	NEG_X to Sun
CIRS_055TI_FIRNADMAP002_PRIME	C, I, V	2008-006T01:30:20	GMB_E055_Titan40+000T04:00:0000T01:00:00	2008-006T02:30:20	2008-006T02:30:20	CIRS_FP1 to Titan	PIC
VIMS_055TI_MEDRES003_PRIME	C, I	2008-006T02:30:20	GMB_E055_Titan40+000T05:00:0000T02:00:00	2008-006T04:30:20	2008-006T04:30:20	ISS_NAC to Titan	NEG_X to Sun
ISS_055TI_GLOBMAP001_PRIME	C, V	2008-006T04:30:20	GMB_E055_Titan40+000T07:00:0000T01:40:00	2008-006T06:10:20	2008-006T06:10:20	ISS_NAC to Titan	NEG_X to Sun
ISS_055TI_PHOTOMWAC002_PRIME	C, V	2008-006T06:10:20	GMB_E055_Titan40+000T08:40:0000T00:20:00	2008-006T06:30:20	2008-006T06:30:20	ISS_NAC to Titan	NEG_X to Sun
CIRS_055TI_FIRNADCMPO02_PRIME	C, I, U, V	2008-006T06:30:20	GMB_E055_Titan40+000T09:00:0000T05:00:00	2008-006T11:30:20	2008-006T11:30:20	CIRS_FP1 to Titan	PIC
CIRS_055TI_MIDIRMAP002_PRIME	C, I, V	2008-006T11:30:20	GMB_E055_Titan40+000T14:00:0000T10:14:00	2008-006T21:44:20	2008-006T21:44:20	CIRS_FP2 to Titan	POS_X to North_Pole_Dir
SP_055TI_DEADTIME006_PRIME		2008-006T21:44:20	GMB_E055_Titan40+001T00:0000T00:11:40	2008-006T21:56:00	2008-006T21:56:00	ISS_NAC to Titan	NEG_X to Sun
SP_055EA_DLTURN006_PRIME		2008-006T21:56:00		000T00:30:00	2008-006T22:26:00	XBAND to Earth	POS_X to NEP SP Turn to Earth
SP_055EA_M70METNON006_PRIME	C, M	2008-006T22:26:00		000T09:00:00	2008-007T07:26:00	XBAND to Earth	6_Hr_Rolling



055TI 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)	MRGN (Mb)	OPNAV (Mb)	SCI (Mb)	ENGR (Mb)	TOTAL (Mb)	CPACTY (Mb)	MARGN (Mb)	NET_MARGN (Mb)	NET_MARGN (%)	CAROVR (Mb)
SP_055EA_M70METNON006_PRIME	006 22:26	007 07:26	0	3380	175	3554	3553	-1	0	261	53	3867	4298	431	431	10%	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	005 05:48	006 22:26	233.5	25.3	488.8	21.7	917.1	124.3	147.7	0.0	572.1	201.4	599.0	0.0	36.2	3367.1
OBSERVATION_SI	005 05:48	006 22:26	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0
SP_055EA_M70METNON006_PRIME	006 22:26	007 07:26	22.7	4.9	86.4	2.8	0.0	53.0	51.5	0.0	35.0	2.5	0.0	0.0	0.0	258.7
DAILY TOTAL SCIENCE	005 05:48	007 07:26	256.2	30.2	593.2	24.6	917.1	177.3	199.2	0.0	607.1	203.8	599.0	0.0		
TOTAL RECORDED (OPNAV data not included)			256.2	30.2	593.2	24.6	917.1	177.3	199.2	0.0	607.1	203.8	599.0	0.0		



Telemetry Modes

TELEMETRY MODE REPORT

EPOCH RELATIVE	UTC	DURATION	TELEMETRY MODE	REQUEST
	2008-005T05:48:00.000	14:58:20	S_N_ER_3	SP_055NA_M70OBSNON006_NA
GMB_E055_Titan40-000T00:44:00	2008-005T20:46:20.000	01:01:00	S_N_ER_2	SP_055NA_M70OBSNON006_NA
GMB_E055_Titan40+000T00:17:00	2008-005T21:47:20.000	001T00:38:40	S_N_ER_3	SP_055NA_M70OBSNON006_NA
	2008-006T22:26:00.000	00:15:00	RTE_N_SPB_124425	SP_055EA_M70METNON006_PRIME
	2008-006T22:41:00.000	01:07:00	RTE_N_SPB_142200	SP_055EA_M70METNON006_PRIME
	2008-006T23:48:00.000	06:00:00	RTE_N_SPB_165900	SP_055EA_M70METNON006_PRIME
	2008-007T05:48:00.000	01:15:00	RTE_N_SPB_142200	SP_055EA_M70METNON006_PRIME
	2008-007T07:03:00.000	00:23:00	RTE_N_SPB_124425	SP_055EA_M70METNON006_PRIME



DSN Requests

CASSINI DOWNLINK/DSN COVERAGE SUMMARY for 055TI_T40_070809_3.apf on 2007-Aug-09 15:33:17
(+ = 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
M70METNON006	006T22:26-07:26	006T23:38-08:38	09:00	124,142,165,142,124	63	006T22:26-07:26	006T23:35-08:40	09:05	60/15	TP	N003



SPLAT Report

Tracking Number	Status	Priority	Distribution	Must Do	Cost	Identifying Team or Code	Working Teams	Time	Request/Action Name	Lien or Action	Proposed Solution	Disposition
S3600334	Pending		TOST_055TI_T40-Aftermarket	No		ISS	ISS;VIMS	T40	ISS-VIMS trade	ISS NAC images of Titan's surface are fuzzed out inside 2 hrs of C/A, whereas VIMS' view gets better with decreasing range. ISS and VIMS therefore propose to swap out prime responsibilities (ISS becomes prime when VIMS would be, and vice versa). There will be no changes in data volume allocations since ISS and VIMS always ride along with each other. This is just a matter of who designs the pointing sequences.	WAS: --ISS prime: +1:03 duration 0:57 --VIMS prime: +5:00 duration 3:00 PROPOSED: --VIMS prime: +1:03 duration 0:57 --VIMS prime: +5:00 duration 2:00 --ISS prime: +7:00 duration 1:00	



T40 Issues

055TI (T40)

- PDT run shows that downlink turn has some possible CIRS heating issues. Since CIRS needs to see the temperature profile in a sequence context, this will need to be addressed within sequence development.
- UVIS to confirm that (2,2,20) deadband on thrusters is acceptable
- Excess downlink data volume to be utilized by RPWS.
- SPLAT report item (ISS and VIMS observation timing) worked in aftermarket; should be regarded as closed.



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"/> VIM S Each Prime Instrument agrees to accept a reduction in observation time during implementation if problems arise.	N/A		
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 hours 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 T31 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.	V		
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)