

Request	Riders	Start (SCET)	Start (Epoch)	Duration	End (SCET)	Primary	Secondary	Comments
Sequence FULL, length = 37 days		2004-143T03:02:00		4862T15:28:00	2017-256T18:30:00			
ISS_000TI_MOVIEOP001_PRIME	V	2004-143T03:02:00		000T00:30:00	2004-143T03:32:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAA003_PRIME		2004-143T03:32:00		000T01:51:00	2004-143T05:23:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVEPP001_PRIME	V	2004-143T05:23:00		000T00:30:00	2004-143T05:53:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAB003_PRIME		2004-143T05:53:00		000T02:00:00	2004-143T07:53:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVEPP002_PRIME	V	2004-143T07:53:00		000T00:30:00	2004-143T08:23:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAC003_PRIME		2004-143T08:23:00		000T02:00:00	2004-143T10:23:00	UVIS_FUV TO SATURN	POS_X TO NSP	
ISS_000TI_MOVEPP003_PRIME	V	2004-143T10:23:00		000T00:30:00	2004-143T10:53:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAD003_PRIME		2004-143T10:53:00		000T02:00:00	2004-143T12:53:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVEPP004_PRIME	V	2004-143T12:53:00		000T00:30:00	2004-143T13:23:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAE003_PRIME		2004-143T13:23:00		000T01:05:00	2004-143T14:28:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NAV_000TI_WAYPTTURN441_PRIME		2004-144T02:57:00		000T00:01:00	2004-144T02:58:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_000TI_MOVEQQ001_PRIME	V	2004-144T02:58:00		000T00:30:00	2004-144T03:28:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAA004_PRIME		2004-144T03:28:00		000T02:00:00	2004-144T05:28:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVEQQ002_PRIME	V	2004-144T05:28:00		000T00:30:00	2004-144T05:58:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAB004_PRIME		2004-144T05:58:00		000T00:58:00	2004-144T06:56:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NAV_000TI_WAYPTTURN443_PRIME		2004-144T19:25:00		000T00:01:00	2004-144T19:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_000TI_MOVIERR001_PRIME	V	2004-145T07:26:00		000T00:30:00	2004-145T07:56:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAA005_PRIME		2004-145T07:56:00		000T02:00:00	2004-145T09:56:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVIERR002_PRIME	V	2004-145T09:56:00		000T00:30:00	2004-145T10:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAB005_PRIME		2004-145T10:26:00		000T02:00:00	2004-145T12:26:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVIERR003_PRIME	V	2004-145T12:26:00		000T00:30:00	2004-145T12:56:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAC005_PRIME		2004-145T12:56:00		000T02:00:00	2004-145T14:56:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVIERS001_PRIME	V	2004-145T14:56:00		000T00:25:00	2004-145T15:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NAV_000TI_WAYPTTURN461_PRIME		2004-146T02:50:00		000T00:01:00	2004-146T02:51:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_000TI_MOVESS001_PRIME	V	2004-146T02:51:00		000T00:30:00	2004-146T03:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAA006_PRIME		2004-146T03:21:00		000T02:00:00	2004-146T05:21:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVESS002_PRIME	V	2004-146T05:21:00		000T00:30:00	2004-146T05:51:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAB006_PRIME		2004-146T05:51:00		000T02:00:00	2004-146T07:51:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVESS003_PRIME	V	2004-146T07:51:00		000T00:30:00	2004-146T08:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAC006_PRIME		2004-146T08:21:00		000T02:00:00	2004-146T10:21:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVESS004_PRIME	V	2004-146T10:21:00		000T00:30:00	2004-146T10:51:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAD006_PRIME		2004-146T10:51:00		000T02:00:00	2004-146T12:51:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVESS005_PRIME	V	2004-146T12:51:00		000T00:30:00	2004-146T13:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAE006_PRIME		2004-146T13:21:00		000T00:57:00	2004-146T14:18:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NAV_000TI_WAYPTTURN471_PRIME		2004-147T02:47:00		000T00:01:00	2004-147T02:48:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_000TI_MOVIETT001_PRIME	V	2004-147T02:48:00		000T00:30:00	2004-147T03:18:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAA007_PRIME		2004-147T03:18:00		000T02:00:00	2004-147T05:18:00	UVIS_FUV TO TITAN	POS_X TO NSP	
ISS_000TI_MOVIETT002_PRIME	V	2004-147T05:18:00		000T00:30:00	2004-147T05:48:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PAB007_PRIME		2004-147T05:48:00		000T00:57:00	2004-147T06:45:00	UVIS_FUV TO TITAN	NEG_X TO SUN	
NAV_000TI_WAYPTTURN473_PRIME		2004-147T19:14:00		000T00:01:00	2004-147T19:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_000TI_MOVEIU001_PRIME	V	2004-148T07:15:00		000T00:30:00	2004-148T07:45:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PEA001_PRIME		2004-148T07:45:00		000T02:00:00	2004-148T09:45:00	UVIS_FUV TO TITAN	POS_Z TO NSP	
ISS_000TI_MOVEIU002_PRIME	V	2004-148T09:45:00		000T00:30:00	2004-148T10:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PEB001_PRIME		2004-148T10:15:00		000T02:00:00	2004-148T12:15:00	UVIS_FUV TO TITAN	POS_Z TO NSP	
ISS_000TI_MOVEIU003_PRIME	V	2004-148T12:15:00		000T00:30:00	2004-148T12:45:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PEC001_PRIME		2004-148T12:45:00		000T02:00:00	2004-148T14:45:00	UVIS_FUV TO TITAN	POS_Z TO NSP	
ISS_000TI_MOVEIU001_PRIME	V	2004-148T14:45:00		000T00:26:00	2004-148T15:11:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NAV_000TI_WAYPTTURN491_PRIME		2004-149T11:40:00		000T00:01:00	2004-149T11:41:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_000TI_MOVEIUV005_PRIME		2004-149T11:41:00		000T00:30:00	2004-149T12:11:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PEE002_PRIME		2004-149T12:11:00		000T01:55:00	2004-149T14:06:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NAV_000TI_WAYPTTURN501_PRIME		2004-150T02:35:00		000T00:01:00	2004-150T02:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_000TI_MOVEIWW001_PRIME	V	2004-150T02:36:00		000T00:30:00	2004-150T03:06:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_000TI_MOS11PEA003_PRIME		2004-150T03:06:00		000T02:00:00	2004-150T05:06:00	UVIS_FUV TO TITAN	POS_Z TO NSP	
ISS_000TI_MOVEIWW002_PRIME	V	2004-150T05:06:00		000T00:30:00	2004-150T05:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	

UVIS_000TI_MOS11PEB003_PRIME		2004-150T05:36:00	000T00:57:00	2004-150T06:33:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN521_PRIME		2004-152T02:28:00	000T00:01:00	2004-152T02:29:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN531_PRIME		2004-153T02:25:00	000T00:01:00	2004-153T02:26:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN541_PRIME		2004-154T04:32:00	000T00:01:00	2004-154T04:33:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEZZ001_PRIME	V	2004-154T04:33:00	000T00:30:00	2004-154T05:03:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEZZ002_PRIME	V	2004-154T07:03:00	000T00:30:00	2004-154T07:33:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEZZ003_PRIME	V	2004-154T09:33:00	000T00:30:00	2004-154T10:03:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN551_PRIME		2004-155T04:32:00	000T00:01:00	2004-155T04:33:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PAA001_PRIME		2004-155T04:33:00	000T01:56:00	2004-155T06:29:00	UVIS_FUV TO TITAN	POS_X TO NSP
ISS_000TI_MOVIEAAA001_PRIME	V	2004-155T06:29:00	000T00:30:00	2004-155T06:59:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PAB001_PRIME		2004-155T06:59:00	000T02:00:00	2004-155T08:59:00	UVIS_FUV TO TITAN	POS_X TO NSP
ISS_000TI_MOVIEAAA002_PRIME	V	2004-155T08:59:00	000T00:30:00	2004-155T09:29:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PAC001_PRIME		2004-155T09:29:00	000T02:00:00	2004-155T11:29:00	UVIS_FUV TO TITAN	POS_X TO NSP
ISS_000TI_MOVIEAAA003_PRIME	V	2004-155T11:29:00	000T00:30:00	2004-155T11:59:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PAD001_PRIME		2004-155T11:59:00	000T01:46:00	2004-155T13:45:00	UVIS_FUV TO TITAN	POS_X TO NSP
ISS_000TI_MOVIEBBB001_PRIME	V	2004-156T02:15:00	000T00:30:00	2004-156T02:45:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEBBB002_PRIME	V	2004-156T04:45:00	000T00:30:00	2004-156T05:15:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN563_PRIME		2004-156T18:41:00	000T00:01:00	2004-156T18:42:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIECCC001_PRIME	V	2004-157T06:12:00	000T00:30:00	2004-157T06:42:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIECCC002_PRIME	V	2004-157T08:42:00	000T00:30:00	2004-157T09:12:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIECCC003_PRIME	V	2004-157T11:12:00	000T00:30:00	2004-157T11:42:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIECCD001_PRIME	V	2004-157T14:08:00	000T00:30:00	2004-157T14:38:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN581_PRIME		2004-158T02:07:00	000T00:01:00	2004-158T02:08:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIECDD001_PRIME	V	2004-158T02:08:00	000T00:40:00	2004-158T02:48:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEDDD001_PRIME	V	2004-158T04:48:00	000T00:30:00	2004-158T05:18:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEDDD002_PRIME	V	2004-158T07:18:00	000T00:30:00	2004-158T07:48:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEDDD003_PRIME	V	2004-158T09:48:00	000T00:30:00	2004-158T10:18:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEDEE001_PRIME	R, V	2004-158T13:05:00	000T00:30:00	2004-158T13:35:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN591_PRIME		2004-159T02:04:00	000T00:01:00	2004-159T02:05:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEEEE001_PRIME	V	2004-159T02:05:00	000T00:30:00	2004-159T02:35:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PAA005_PRIME		2004-159T02:35:00	000T02:00:00	2004-159T04:35:00	UVIS_FUV TO TITAN	POS_X TO NSP
ISS_000TI_MOVIEEEE002_PRIME	V	2004-159T04:35:00	000T00:30:00	2004-159T05:05:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PAB005_PRIME		2004-159T05:05:00	000T00:57:00	2004-159T06:02:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN593_PRIME		2004-159T18:31:00	000T00:01:00	2004-159T18:32:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEEBB001_PRIME	V	2004-159T18:32:00	000T00:30:00	2004-159T19:02:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PAA006_PRIME		2004-159T19:02:00	000T02:00:00	2004-159T21:02:00	UVIS_FUV TO TITAN	POS_X TO NSP
ISS_000TI_MOVIEEBB002_PRIME	V	2004-159T21:02:00	000T00:30:00	2004-159T21:32:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PAB006_PRIME		2004-159T21:32:00	000T02:00:00	2004-159T23:32:00	UVIS_FUV TO TITAN	POS_X TO NSP
ISS_000TI_MOVIEEBB003_PRIME	V	2004-159T23:32:00	000T00:30:00	2004-160T00:02:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PAC006_PRIME		2004-160T00:02:00	000T02:56:00	2004-160T02:58:00	UVIS_FUV TO TITAN	POS_X TO NSP
ISS_000TI_MOVIEFFF001_PRIME	V	2004-160T02:58:00	000T00:30:00	2004-160T03:28:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEFFF002_PRIME	V	2004-160T05:28:00	000T00:30:00	2004-160T05:58:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEFFF003_PRIME	V	2004-160T07:58:00	000T00:30:00	2004-160T08:28:00	ISS_NAC TO TITAN	NEG_X TO SUN

ISS_000TI_MOVIEFFF004_PRIME	V	2004-160T10:28:00	000T00:30:00	2004-160T10:58:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEFFF005_PRIME	V	2004-160T12:58:00	000T00:30:00	2004-160T13:28:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN611_PRIME		2004-161T01:57:00	000T00:01:00	2004-161T01:58:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEGGG001_PRIME	V	2004-161T01:58:00	000T00:30:00	2004-161T02:28:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEGGG002_PRIME	V	2004-161T04:28:00	000T00:30:00	2004-161T04:58:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEGGG003_PRIME	V	2004-161T06:58:00	000T00:30:00	2004-161T07:28:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEGGG004_PRIME	V	2004-161T09:28:00	000T00:30:00	2004-161T09:58:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEGGH001_PRIME	V	2004-161T12:53:00	000T00:30:00	2004-161T13:23:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_APPROACH001_PRIME	C, V	2004-162T13:37:00	000T00:30:00	2004-162T14:07:00	CIRS_FP3 TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN641_PRIME		2004-164T23:49:00	000T00:01:00	2004-164T23:50:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEHHH001_PRIME		2004-165T00:20:00	000T00:30:00	2004-165T00:50:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEA004_PRIME		2004-165T00:50:00	000T02:00:00	2004-165T02:50:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEHHH002_PRIME		2004-165T02:50:00	000T00:30:00	2004-165T03:20:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEB004_PRIME		2004-165T03:20:00	000T02:00:00	2004-165T05:20:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEHHH003_PRIME		2004-165T05:20:00	000T00:30:00	2004-165T05:50:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEC004_PRIME		2004-165T05:50:00	000T00:40:00	2004-165T06:30:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN652_PRIME		2004-165T18:06:00	000T00:01:00	2004-165T18:07:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEIII001_PRIME		2004-165T18:37:00	000T00:30:00	2004-165T19:07:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEA005_PRIME		2004-165T19:07:00	000T02:00:00	2004-165T21:07:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEIII002_PRIME		2004-165T21:07:00	000T00:30:00	2004-165T21:37:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEB005_PRIME		2004-165T21:37:00	000T02:00:00	2004-165T23:37:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEIII003_PRIME		2004-165T23:37:00	000T00:30:00	2004-166T00:07:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEC005_PRIME		2004-166T00:07:00	000T02:00:00	2004-166T02:07:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEIII004_PRIME		2004-166T02:07:00	000T00:30:00	2004-166T02:37:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PED005_PRIME		2004-166T02:37:00	000T02:00:00	2004-166T04:37:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEIII005_PRIME		2004-166T04:37:00	000T00:30:00	2004-166T05:07:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEE005_PRIME		2004-166T05:07:00	000T02:00:00	2004-166T07:07:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEIII006_PRIME		2004-166T07:07:00	000T00:30:00	2004-166T07:37:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEF005_PRIME		2004-166T07:37:00	000T02:00:00	2004-166T09:37:00	UVIS_FUV TO TITAN	POS_Z TO NSP
NAV_000TI_WAYPTTURN671_PRIME		2004-167T01:21:00	000T00:01:00	2004-167T01:22:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEIJJ001_PRIME		2004-167T01:52:00	000T00:30:00	2004-167T02:22:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEA006_PRIME		2004-167T02:22:00	000T02:00:00	2004-167T04:22:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEIJJ002_PRIME		2004-167T04:22:00	000T00:30:00	2004-167T04:52:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEB006_PRIME		2004-167T04:52:00	000T02:00:00	2004-167T06:52:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEIJJ003_PRIME		2004-167T06:52:00	000T00:30:00	2004-167T07:22:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEC006_PRIME		2004-167T07:22:00	000T02:00:00	2004-167T09:22:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEIJJ004_PRIME		2004-167T09:22:00	000T00:30:00	2004-167T09:52:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PED006_PRIME		2004-167T09:52:00	000T02:00:00	2004-167T11:52:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEIJJ005_PRIME		2004-167T11:52:00	000T00:30:00	2004-167T12:22:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEE006_PRIME		2004-167T12:22:00	000T01:30:00	2004-167T13:52:00	ISS_NAC TO TITAN	NEG_X TO SUN
NAV_000TI_WAYPTTURN681_PRIME		2004-168T01:21:00	000T00:01:00	2004-168T01:22:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_MOVIEKKK001_PRIME		2004-168T01:52:00	000T00:30:00	2004-168T02:22:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEA007_PRIME		2004-168T02:22:00	000T02:00:00	2004-168T04:22:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEKKK002_PRIME		2004-168T04:22:00	000T00:30:00	2004-168T04:52:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEB007_PRIME		2004-168T04:52:00	000T02:00:00	2004-168T06:52:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEKKK003_PRIME		2004-168T06:52:00	000T00:30:00	2004-168T07:22:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PEC007_PRIME		2004-168T07:22:00	000T02:00:00	2004-168T09:22:00	UVIS_FUV TO TITAN	POS_Z TO NSP
ISS_000TI_MOVIEKKK004_PRIME		2004-168T09:22:00	000T00:30:00	2004-168T09:52:00	ISS_NAC TO TITAN	NEG_X TO SUN
UVIS_000TI_MOS12PED007_PRIME		2004-168T09:52:00	000T01:30:00	2004-168T11:22:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_000TI_APPROACH002_PRIME	C	2004-169T01:22:00	000T00:30:00	2004-169T01:52:00	CIRS_FP3 TO TITAN	NEG_X TO SUN

ISS_000TI_APPROACH003_PRIME	C	2004-171T12:07:00		000T00:30:00	2004-171T12:37:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	
SP_000TI_WAYPTTURN173_PRIME		2004-173T23:52:00		000T00:20:00	2004-174T00:12:00	ISS_NAC TO TITAN	POS_Z TO NSP	SP TURN TO WAYPOINT
TOST REV 0 SEGMENT		2004-184T01:06:00		001T22:00:00	2004-185T23:06:00			
SP_000TI_WAYPTTURN184_PRIME	M	2004-184T01:06:00		000T00:30:00	2004-184T01:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	SP TURN TO WAYPOINT
NEW WAYPOINT		2004-184T01:36:00		000T20:24:00	2004-184T22:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_000TI_DEADTIME184_PRIME	M	2004-184T01:36:00		000T00:20:00	2004-184T01:56:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_000TI_2X2WIND101_PRIME	C, M, V	2004-184T01:56:21	GMB_E000_TITANO-000T07:34:00	000T01:34:00	2004-184T03:30:21	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_000TI_TEMPMP101_PRIME	C, M	2004-184T03:30:21	GMB_E000_TITANO-000T06:00:00	000T01:22:00	2004-184T04:52:21	CIRS_FP3 TO TITAN	PIC	
ISS_000TI_2X2WIND002_PRIME	C, M, V	2004-184T04:52:21	GMB_E000_TITANO-000T04:38:00	000T00:24:00	2004-184T05:16:21	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_000TI_TEMPMP102_PRIME	C, M	2004-184T05:16:21	GMB_E000_TITANO-000T04:14:00	000T01:24:00	2004-184T06:40:21	CIRS_FP3 TO TITAN	PIC	
ISS_000TI_2X2WIND003_PRIME	C, V	2004-184T06:40:21	GMB_E000_TITANO-000T02:50:00	000T00:24:00	2004-184T07:04:21	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_000TI_TEMPMP103_PRIME	C, M, U	2004-184T07:04:21	GMB_E000_TITANO-000T02:26:00	000T01:26:00	2004-184T08:30:21	CIRS_FP3 TO TITAN	PIC	
ISS_000TI_2X2WIND204_PRIME	C, M, V	2004-184T08:30:21	GMB_E000_TITANO-000T01:00:00	000T00:09:00	2004-184T08:39:21	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_000TI_LIGHTC063_PRIME	C, I, M	2004-184T08:39:21	GMB_E000_TITANO-000T00:51:00	000T00:51:00	2004-184T09:30:21	VIMS_IR TO TITAN	NEG_X TO SUN	
ISS_000TI_SPOLEB001_PRIME	C, M, V	2004-184T09:30:21	GMB_E000_TITANO+000T00:00:00	000T01:00:00	2004-184T10:30:21	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_000TI_TEMPMP104_PRIME	C, I, M, U, V	2004-184T10:30:21	GMB_E000_TITANO+000T01:00:00	000T04:00:00	2004-184T14:30:21	CIRS_FP3 TO TITAN	PIC	
VIMS_000TI_LIGHTC062_PRIME	C, I	2004-184T14:30:21	GMB_E000_TITANO+000T05:00:00	000T00:45:00	2004-184T15:15:21	VIMS_IR TO TITAN	NEG_X TO SUN	
CIRS_000TI_TEMPMP105_PRIME	C	2004-184T15:15:21	GMB_E000_TITANO+000T05:45:00	000T01:45:00	2004-184T17:00:21	CIRS_FP3 TO TITAN	PIC	
SP_000TI_DEADTIME584_PRIME		2004-184T17:00:21		000T00:19:39	2004-184T17:20:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_000EA_DLTURN184_PRIME		2004-184T17:21:00		000T00:30:00	2004-184T17:51:00	XBAND TO EARTH	NEG_X TO SATURN	SP TURN TO EARTH
SP_000EA_G70METNON184_PRIME	C, M	2004-184T17:51:00		000T02:45:00	2004-184T20:36:00	XBAND TO EARTH	NEG_X TO SATURN	
NAV_000SK_OPNAV841_PRIME	C, M	2004-184T20:36:00		000T01:23:00	2004-184T21:59:00	ISS_NAC TO SATELLITES	NEG_X TO SUN	STARTS AT EARTH POINT, ENDS AT NEW WAYPOINT
NAV_000SA_WAYPTTURN841_PRIME	C, M	2004-184T21:59:00		000T00:01:00	2004-184T22:00:00	ISS_NAC TO SATURN	NEG_X TO SUN	
NEW WAYPOINT		2004-184T22:00:00		000T03:00:00	2004-185T01:00:00	ISS_NAC TO SATURN	NEG_X TO SUN	
CIRS_000RI_SHADLMP001_PRIME	C, M	2004-184T22:00:00		000T02:45:00	2004-185T00:45:00	CIRS_FP1 TO RINGS	PIC	
SP_000TI_WAYPTTURN185_PRIME	M	2004-185T00:45:00		000T00:15:00	2004-185T01:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2004-185T01:00:00		000T10:20:00	2004-185T11:20:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_000TI_FIRNADCMP017_PRIME	C, I, M	2004-185T01:00:00		000T02:15:00	2004-185T03:15:00	CIRS_FP1 TO TITAN	PIC	SUPPORT IMAGES SHOULD BE INTERSPERSED THROUGHOUT THE CIRS OBSERVATION.
VIMS_000TI_LIGHTC118_PRIME	C, I, M	2004-185T03:15:00		000T00:45:00	2004-185T04:00:00	VIMS_IR TO TITAN	NEG_X TO SUN	
CIRS_000TI_FIRNADCMP001_PRIME	C, I, M, U, V	2004-185T04:00:00		000T06:00:00	2004-185T10:00:00	CIRS_FP1 TO TITAN	PIC	SUPPORT IMAGES SHOULD BE INTERSPERSED THROUGHOUT THE CIRS OBSERVATION.
ISS_000TI_1X2WIND201_PRIME	C, M, V	2004-185T10:00:00		000T01:00:00	2004-185T11:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_000TI_WAYPTTURN585_PRIME	C, M	2004-185T11:00:00		000T00:20:00	2004-185T11:20:00	ISS_NAC TO IAPETUS	NEG_X TO SUN	SP TURN TO WAYPOINT
NEW WAYPOINT		2004-185T11:20:00		000T12:26:00	2004-185T23:46:00	ISS_NAC TO IAPETUS	NEG_X TO SUN	
ISS_000IA_TERRAINCA201_PRIME	C, M	2004-185T11:20:00		000T01:10:00	2004-185T12:30:00	ISS_NAC TO IAPETUS	NEG_X TO SUN	CUSTOM HANDOFF TO NAV
NAV_000SK_OPNAV851_PRIME	M	2004-185T12:30:00		000T01:35:00	2004-185T14:05:00	ISS_NAC TO SATELLITES	NEG_X TO SUN	STARTS AT WAYPOINT (ISS_NAC TO IAPETUS, NEG_X TO SUN), ENDS AT EARTH POINT
NAV_000EA_DLTURN851_PRIME	M	2004-185T14:05:00		000T00:01:00	2004-185T14:06:00	XBAND TO EARTH	POS_X TO NEP	
SP_000EA_G70METOTP185_PRIME	C, M, N	2004-185T14:06:00		000T09:00:00	2004-185T23:06:00	XBAND TO EARTH	POS_X TO NEP	
SP_000SA_WAYPTTURN185_PRIME	C, M	2004-185T23:06:00		000T00:40:00	2004-185T23:46:00	ISS_NAC TO SATURN	POS_Z TO NSP	SP TURN TO WAYPOINT
NEW WAYPOINT		2004-185T23:46:00		001T04:34:00	2004-187T04:20:00	ISS_NAC TO SATURN	POS_Z TO NSP	
UVIS_000RI_IMPACT001_PRIME	C, I, M, V	2004-186T00:31:00		000T02:00:00	2004-186T02:31:00	ISS_NAC TO RINGS	POS_Z TO NSP	
NAV_00ATI_WAYPTTURN971_PRIME		2004-297T10:45:00		000T00:01:00	2004-297T10:46:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_00ATI_MOVIEA001_PRIME	V	2004-297T10:46:00		000T12:45:00	2004-297T23:31:00	ISS_NAC TO TITAN	POS_Z TO NSP	
NAV_00ATI_WAYPTTURN981_PRIME		2004-298T10:30:00		000T00:01:00	2004-298T10:31:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_00ATI_MOVIEB001_PRIME	V	2004-298T12:01:00		000T11:55:00	2004-298T23:56:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_00ATI_MOVIEB1001_PRIME	R, V	2004-298T23:56:00		000T00:20:00	2004-299T00:16:00	ISS_NAC TO TITAN (0.086,0.0,0.0 DEG.	POS_Z TO NSP	
ISS_00ATI_MOVIEB2001_PRIME	R, V	2004-299T00:16:00		000T02:40:00	2004-299T02:56:00	ISS_NAC TO TITAN (0.086,0.0,0.0 DEG.	POS_Z TO NSP	
RADAR_00ATI_SOUTH7CAL001_PRIME		2004-299T02:56:00		000T01:20:00	2004-299T04:16:00	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
ISS_00ATI_MOVIEB002_PRIME	V	2004-299T04:16:00		000T00:10:00	2004-299T04:26:00	ISS_NAC TO TITAN (0.086,0.0,0.0 DEG.	POS_Z TO NSP	
RADAR_00ATI_SOUTHSCAT001_PRIME		2004-299T04:26:00		000T01:40:00	2004-299T06:06:00	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	
ISS_00ATI_MOVIEB003_PRIME	V	2004-299T06:06:00		000T00:55:00	2004-299T07:01:00	ISS_NAC TO TITAN (0.086,0.0,0.0 DEG.	POS_Z TO NSP	
TOST REV A SEGMENT		2004-299T16:31:00		001T16:45:00	2004-301T09:16:00			

SP_00ATI_WAYPTTURN299_PRIME		2004-299T16:31:00		000T00:30:00	2004-299T17:01:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2004-299T17:01:00		000T21:10:09	2004-300T14:11:09	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_00ANA_DEADTIME299_PRIME		2004-299T17:01:00		000T00:14:46	2004-299T17:15:46	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_00ATI_LRMONITOR001_PRIME	V	2004-299T17:16:09	GMB_E00A_TITANA-000T22:14:00	000T00:14:00	2004-299T17:30:09	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_00ATI_MIDIRTMAP001_PRIME	C, I, V	2004-299T17:30:09	GMB_E00A_TITANA-000T22:00:00	000T05:15:00	2004-299T22:45:09	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_00ATI_MONITORNAD001_PRIME	C, V	2004-299T22:45:09	GMB_E00A_TITANA-000T16:45:00	000T01:15:00	2004-300T00:00:09	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_00ATI_FIRNADCMPO01_PRIME	C, I, V	2004-300T00:00:09	GMB_E00A_TITANA-000T15:30:00	000T04:00:00	2004-300T04:00:09	CIRS_FP1 TO TITAN	PIC	
VIMS_00ATI_MEDRES001_PRIME	C, I, R, U	2004-300T04:00:09	GMB_E00A_TITANA-000T11:30:00	000T06:30:00	2004-300T10:30:09	ISS_NAC TO TITAN	POS_Z TO NTP	
ISS_00ATI_REGMAP001_PRIME	C, R, V	2004-300T10:30:09	GMB_E00A_TITANA-000T05:00:00	000T01:40:00	2004-300T12:10:09	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_00ATI_HIRESNAC001_PRIME	C, M, R, V	2004-300T12:10:09	GMB_E00A_TITANA-000T03:20:00	000T01:31:00	2004-300T13:41:09	ISS_NAC TO TITAN	NEG_X TO SUN	
ENGR_00ASC_RADRCS300_PPS	C, I, M, R, V	2004-300T13:41:09	GMB_E00A_TITANA-000T01:49:00	000T00:20:48	2004-300T14:01:57	ISS_NAC TO TITAN	NEG_X TO SUN	DEADBAND = (2,2,2)
ISS_00ATI_WAYPTTURN001_PRIME	C, I, M, V	2004-300T14:02:09	GMB_E00A_TITANA-000T01:28:00	000T00:02:00	2004-300T14:04:09	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_00ATI_WAYPTTURN300_PRIME	M	2004-300T14:04:09	GMB_E00A_TITANA-000T01:26:00	000T00:07:00	2004-300T14:11:09	NEG_Z TO TITAN	NEG_X TO SUN	TURN PERFORMED USING RCS
NEW WAYPOINT		2004-300T14:11:09		000T20:28:51	2004-301T10:40:00	NEG_Z TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2004-300T14:11:09	GMB_E00A_TITANA-000T01:19:00	000T00:01:00	2004-300T14:12:09			
RADAR_00ATI_TAINSCAT001_PRIME	M	2004-300T14:11:09	GMB_E00A_TITANA-000T01:19:00	000T00:34:00	2004-300T14:45:09	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Z TO TITAN, POS_X TO NTP. LEAVE AT NEG_Z TO TITAN, POS_X TO NTP
VIMS_00ATI_HIRES002_PRIME	C, I, M	2004-300T14:45:09	GMB_E00A_TITANA-000T00:45:00	000T00:33:00	2004-300T15:18:09	VIMS_IR TO TITAN	POS_X TO NTP	PICK UP AT NEG_Z TO TITAN, POS_X TO NTP; HAND OFF AT VIMS_IR TO TITAN, POS_X TO NTP. PICK UP NEG_Z TO TITAN, POS_X TO NTP, LEAVE VIMS_IR TO TITAN, POS_X TO NTP
TA HIGH PRIORITY SCIENCE		2004-300T15:10:09	GMB_E00A_TITANA-000T00:20:00	000T00:40:00	2004-300T15:50:09			
RADAR_00ATI_TAPT4INMS001_PRIME	M	2004-300T15:18:09	GMB_E00A_TITANA-000T00:12:00	000T00:12:00	2004-300T15:30:09	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT VIMS_IR TO TITAN, POS_X TO NTP; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN. TO DO POINTING FOR INMS WITH RADAR_IVD_Z 2ND AXIS.
RADAR_00ATI_TAHIGHSAR001_PRIME	M	2004-300T15:30:09	GMB_E00A_TITANA+000T00:00:00	000T00:06:00	2004-300T15:36:09	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_00ATI_TALOWSAR001_PRIME	M	2004-300T15:36:09	GMB_E00A_TITANA+000T00:06:00	000T00:10:00	2004-300T15:46:09	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_00ATI_TAOULTA001_PRIME	M	2004-300T15:46:09	GMB_E00A_TITANA+000T00:16:00	000T00:14:00	2004-300T16:00:09	NEG_Z TO TITAN (0.0,0.0,-10.0 DEG. O	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR.
RADAR_00ATI_TAOUTCAT001_PRIME	M	2004-300T16:00:09	GMB_E00A_TITANA+000T00:30:00	000T00:45:00	2004-300T16:45:09	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR. TRACKING 24 MIN FOR RWA_RCS TRANSITION.
ENGR_00ASC_RADRWBIAS300_PPS	M	2004-300T16:45:09	GMB_E00A_TITANA+000T01:15:00	000T00:23:18	2004-300T17:08:27	NEG_Z TO TITAN	PIC	PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR.
RADAR_00ATI_TAOUTRAD001_PRIME	M	2004-300T17:09:09	GMB_E00A_TITANA+000T01:39:00	000T03:21:00	2004-300T20:30:09	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, NEG_X TO SUN. USE +Y TO NTP FOR THE 2ND POLARIZ.
END CUSTOM PERIOD		2004-300T20:30:09	GMB_E00A_TITANA+000T05:00:00	000T00:01:00	2004-300T20:31:09			
UVIS_00ATI_EUVFUV002_PRIME	C, I, V	2004-300T20:30:09	GMB_E00A_TITANA+000T05:00:00	000T03:15:00	2004-300T23:45:09	UVIS_FUV TO TITAN	NEG_X TO SUN	
SP_00ANA_DEADTIME300_PRIME		2004-300T23:45:46		000T00:15:14	2004-301T00:01:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_00AEA_DLTURN301_PRIME		2004-301T00:01:00		000T00:15:00	2004-301T00:16:00	XBAND TO EARTH	POS_X TO NEP	
SP_00AEA_M70METUNQ301_PRIME	E	2004-301T00:16:00		000T09:00:00	2004-301T09:16:00	XBAND TO EARTH	POS_X TO NEP	
NAV_00ATI_WAYPTTURN112_PRIME	M	2004-311T16:47:00		000T00:01:00	2004-311T16:48:00	NEG_Z TO TITAN	POS_X TO NSP	
RADAR_00ATI_SOUTH7CAL002_PRIME	M	2004-311T19:48:00		000T02:30:00	2004-311T22:18:00	NEG_Z TO TITAN	POS_X TO NSP	
TOST REV B SEGMENT		2004-345T06:06:00		004T01:46:00	2004-349T07:52:00			
NAV_00BSK_OPNAV451_PRIME	M	2004-345T06:06:00		000T01:56:00	2004-345T08:02:00	ISS_NAC TO SATELLITES	NEG_X TO SUN	STARTS AT EARTH POINT, ENDS AT NEW WAYPOINT
NAV_00BTI_WAYPTTURN451_PRIME	M	2004-345T08:02:00		000T00:01:00	2004-345T08:03:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2004-345T08:03:00		004T00:57:00	2004-349T09:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_00BTI_MOVECC001_PRIME	M, V	2004-345T08:03:00		000T12:07:00	2004-345T20:10:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_00BEA_DLTURN345_PRIME		2004-345T20:10:00		000T00:55:00	2004-345T21:05:00	XBAND TO EARTH	POS_X TO NEP	

SP_00BEA_M34HEFOTB345_PRIME	C, E, N	2004-345T21:05:00		000T09:30:00	2004-346T06:35:00	XBAND TO EARTH	POS_X TO NEP	
NAV_00BSK_OPNAV461_PRIME	E	2004-346T06:35:00		000T01:27:00	2004-346T08:02:00	ISS_NAC TO SATELLITES	NEG_X TO SUN	STARTS AT EARTH POINT, ENDS AT WAYPOINT
NAV_00BTI_WAYPTTURN461_PRIME		2004-346T08:02:00		000T00:01:00	2004-346T08:03:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_00BTI_MOVED001_PRIME	C, V	2004-346T08:03:00		000T15:57:00	2004-347T00:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_00BRI_RADCOLOR001_PRIME		2004-347T00:00:00		000T01:30:00	2004-347T01:30:00	ISS_NAC TO RINGS	POS_Z TO NSP	
NAV_00BSK_OPNAV471_PRIME		2004-347T01:30:00		000T03:05:00	2004-347T04:35:00	ISS_NAC TO SATELLITES	NEG_X TO SUN	STARTS AT WAYPOINT, ENDS AT EARTH POINT
NAV_00BEA_DLTURN471_PRIME		2004-347T04:35:00		000T00:01:00	2004-347T04:36:00	XBAND TO EARTH	POS_X TO NEP	
SP_00BEA_M70METSEQ347_PRIME	C	2004-347T04:36:00		000T01:41:00	2004-347T06:17:00	XBAND TO EARTH	POS_X TO NEP	
SP_00BEA_G70METSEQ347_PRIME	C	2004-347T06:17:00		000T07:19:00	2004-347T13:36:00	XBAND TO EARTH	POS_X TO NEP	
SP_00BTI_WAYPTTURN347_PRIME		2004-347T13:36:00		000T01:21:00	2004-347T14:57:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_00BTI_DEADTIME347_PRIME		2004-347T14:57:00		000T00:15:00	2004-347T15:12:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_00BTI_MDIRTMAP001_PRIME	C, I, V	2004-347T15:13:13	GMB_E00B_TITANB-000T20:25:00	000T08:25:00	2004-347T23:38:13	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_00BTI_FIRNADCMP001_PRIME	C, I, V	2004-347T23:38:13	GMB_E00B_TITANB-000T12:00:00	000T04:00:00	2004-348T03:38:13	CIRS_FP1 TO TITAN	PIC	
UVIS_00BTI_EUFUV002_PRIME	C, I, V	2004-348T03:38:13	GMB_E00B_TITANB-000T08:00:00	000T04:00:00	2004-348T07:38:13	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_00BTI_REGMAP001_PRIME	C, V	2004-348T07:38:13	GMB_E00B_TITANB-000T04:00:00	000T02:00:00	2004-348T09:38:13	ISS_NAC TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2004-348T09:38:13	GMB_E00B_TITANB-000T02:00:00	000T07:00:00	2004-348T16:38:13			
ISS_00BTI_HIRESNAC001_PRIME	C, M, V	2004-348T09:38:13	GMB_E00B_TITANB-000T02:00:00	000T01:30:00	2004-348T11:08:13	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT UNKNOWN, UNKNOWN; HAND OFF AT UNKNOWN, UNKNOWN. STARE AT LAT_LON (27,141) FROM C/A -31 MINUTES ONWARD.
ENGR_00BSC_ORSRCS348_PPS	C, I, M, V	2004-348T11:08:13	GMB_E00B_TITANB-000T00:30:00	000T00:20:49	2004-348T11:29:02	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT UNKNOWN, UNKNOWN; HAND OFF AT UNKNOWN, UNKNOWN. DEADBAND = (0.5,2,0.5)
UVIS_00BST_TWOSTOCCS001_PRIME	C, M, V	2004-348T11:29:13	GMB_E00B_TITANB-000T00:09:00	000T00:36:00	2004-348T12:05:13	UVIS_FUV TO 201.298/-11.161 (0.187 POS_X TO NTP		PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT UVIS_FUV TO 263.402/-37.104 (0.187,30,0,0.0 DEG. OFFSET), NEG_X TO SUN. START NAC TO ALPHA VIR AND END WITH NAC TO LAMBDA SCO
ENGR_00BSC_DFPWBIA5348_PPS	M, U	2004-348T12:05:13	GMB_E00B_TITANB+000T00:27:00	000T00:22:42	2004-348T12:27:55	UVIS_FUV TO 263.402/-37.104	NEG_X TO SUN	PICK UP AT UNKNOWN, UNKNOWN; HAND OFF AT UNKNOWN, UNKNOWN.
VIMS_00BTI_DARKSIDE003_PRIME	C, I, M	2004-348T12:28:13	GMB_E00B_TITANB+000T00:50:00	000T01:40:00	2004-348T14:08:13	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT UVIS_FUV TO 263.402/-37.104, NEG_X TO SUN; HAND OFF AT ISS_NAC TO TITAN (0.0,0.0,2.0 DEG. OFFSET), NEG_X TO SUN. PICK UP AT NAC LAM SCO & LEAVE AT WP
UVIS_00BTI_EUVFUV001_PRIME	C, I	2004-348T14:08:13	GMB_E00B_TITANB+000T02:30:00	000T02:30:00	2004-348T16:38:13	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN (0.0,0.0,2.0 DEG. OFFSET), NEG_X TO SUN; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN.
END CUSTOM PERIOD		2004-348T16:38:13	GMB_E00B_TITANB+000T05:00:00	000T00:00:01	2004-348T16:38:14	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_00BTI_MIRLMBINT002_PRIME	C, I, V	2004-348T16:38:13	GMB_E00B_TITANB+000T05:00:00	000T02:00:00	2004-348T18:38:13	CIRS_FP1 TO TITAN	PIC	
VIMS_00BTI_DARKSIDE004_PRIME	C, I	2004-348T18:38:13	GMB_E00B_TITANB+000T07:00:00	000T03:30:00	2004-348T22:08:13	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_00BTI_DEADTIME348_PRIME		2004-348T22:08:13		000T00:14:47	2004-348T22:23:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_00BEA_DLTURN348_PRIME		2004-348T22:23:00		000T00:29:00	2004-348T22:52:00	XBAND TO EARTH	POS_X TO NEP	
SP_00BEA_M70METSEQ348_PRIME	C	2004-348T22:52:00		000T09:00:00	2004-349T07:52:00	XBAND TO EARTH	ROLLING	
RADAR_00CTI_SOUTH7CAL001_PRIME	M	2005-026T16:00:00		000T02:00:00	2005-026T18:00:00	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	SECONDARY AXIS SUBJECT TO RADAR REWORK
RADAR_00CTI_SOUTH5CAL001_PRIME	M	2005-028T16:00:00		000T01:00:00	2005-028T17:00:00	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	SECONDARY AXIS SUBJECT TO RADAR REWORK
ISS_003TI_1X1PHOT30001_PRIME	M	2005-043T14:37:00		000T01:00:00	2005-043T15:37:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TOST REV 3 SEGMENT		2005-045T09:07:00		001T23:53:00	2005-047T09:00:00			
SP_003TI_WAYPTTURN045_PRIME	M	2005-045T09:07:00		000T00:30:00	2005-045T09:37:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
NEW WAYPOINT		2005-045T09:37:00		001T23:43:00	2005-047T09:20:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_003NA_DEADTIME045_PRIME	M	2005-045T09:37:00		000T00:20:53	2005-045T09:57:53	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_003TI_MDIRTMAP002_PRIME	C, I, M, U, V	2005-045T09:57:53	GMB_E003_TITAN3-000T21:00:00	000T09:00:00	2005-045T18:57:53	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_003TI_MONITORNA001_PRIME	C, M, U, V	2005-045T18:57:53	GMB_E003_TITAN3-000T12:00:00	000T01:00:00	2005-045T19:57:53	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_003TI_MIRLMBINT002_PRIME	C, I, M, U, V	2005-045T19:57:53	GMB_E003_TITAN3-000T11:00:00	000T04:00:00	2005-045T23:57:53	CIRS_FP1 TO TITAN	PIC	
ISS_003TI_COMBINED001_PRIME	C, M, U, V	2005-045T23:57:53	GMB_E003_TITAN3-000T07:00:00	000T02:00:00	2005-046T01:57:53	ISS_NAC TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM		2005-046T01:57:53	GMB_E003_TITAN3-000T05:00:00	000T00:01:00	2005-046T01:58:53	ISS_NAC TO TITAN	POS_X TO NTP	
SP_003EA_DLTURN045_PRIME	M, R	2005-046T01:57:53	GMB_E003_TITAN3-000T05:00:00	000T00:30:00	2005-046T02:27:53	XBAND TO EARTH	POS_X TO NEP	PICK UP AT ISS_NAC TO TITAN, POS_X TO NTP; HAND OFF AT XBAND TO EARTH, POS_X TO NEP.
SP_003EA_G70METNON446_PRIME	M, R	2005-046T02:27:53	GMB_E003_TITAN3-000T04:30:00	000T03:00:00	2005-046T05:27:53	XBAND TO EARTH	POS_X TO NEP	PICK UP AT XBAND TO EARTH, POS_X TO NEP; HAND OFF AT XBAND TO EARTH, POS_X TO NEP.
ISS_003TI_HIGHRESNA001_PRIME	M, R, V	2005-046T05:27:53	GMB_E003_TITAN3-000T01:30:00	000T00:31:00	2005-046T05:58:53	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT XBAND TO EARTH, POS_X TO NEP; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN.

ENGR_003SC_RADRCS046_PPS	I, M, R, V	2005-046T05:58:53	GMB_E003_TITAN3-000T00:59:00	000T00:20:48	2005-046T06:19:41			PICK UP AT ISS_NAC TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT ISS_NAC TO TITAN, POS_X TO NORTH_POLE_DIR. DEADBAND = (2, 2, 20)
RADAR_003TI_T3INALT001_PRIME	M	2005-046T06:19:53	GMB_E003_TITAN3-000T00:38:00	000T00:18:00	2005-046T06:37:53	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM.
RADAR_003TI_T3INLSAR001_PRIME	M	2005-046T06:37:53	GMB_E003_TITAN3-000T00:20:00	000T00:13:00	2005-046T06:50:53	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM.
RADAR_003TI_T3HISAR001_PRIME	M	2005-046T06:50:53	GMB_E003_TITAN3-000T00:07:00	000T00:14:00	2005-046T07:04:53	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM.
RADAR_003TI_T3OTLSAR001_PRIME	M	2005-046T07:04:53	GMB_E003_TITAN3+000T00:07:00	000T00:13:00	2005-046T07:17:53	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM.
RADAR_003TI_T3OUTALT001_PRIME	M	2005-046T07:17:53	GMB_E003_TITAN3+000T00:20:00	000T00:12:00	2005-046T07:29:53	NEG_Z TO TITAN (0.0,0.0,-10.0 DEG. O	POS_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR.
RADAR_003TI_T3OUTSCAT001_PRIME	M	2005-046T07:29:53	GMB_E003_TITAN3+000T00:32:00	000T00:38:00	2005-046T08:07:53	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Y TO TITAN, POS_X TO NORTH_POLE_DIR. HANDOFF TO UVIS. TRACKING 23 MIN FOR RCS_RWA TRANSITION.
END CUSTOM		2005-046T08:07:53	GMB_E003_TITAN3+000T01:10:00	000T00:01:00	2005-046T08:08:53	ISS_NAC TO TITAN	POS_X TO NTP	
ENGR_003SC_DFPWBJAS046_PPS	M	2005-046T08:07:53	GMB_E003_TITAN3+000T01:10:00	000T00:22:46	2005-046T08:30:39			
UVIS_003TI_EUVFUV001_PRIME	C, I, M, V	2005-046T08:30:53	GMB_E003_TITAN3+000T01:33:00	000T03:27:00	2005-046T11:57:53	ISS_NAC TO TITAN	NEG_Z TO NORTH_POLE_DIR	
ISS_003TI_NIGHTWAC001_PRIME	C, M, U, V	2005-046T11:57:53	GMB_E003_TITAN3+000T05:00:00	000T01:30:00	2005-046T13:27:53	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_003TI_PHOTOMWAC001_PRIME	C, M, U, V	2005-046T13:27:53	GMB_E003_TITAN3+000T06:30:00	000T01:30:00	2005-046T14:57:53	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_003TI_FIRNADCMPO02_PRIME	C, I, M, U, V	2005-046T14:57:53	GMB_E003_TITAN3+000T08:00:00	000T04:00:00	2005-046T18:57:53	CIRS_FP1 TO TITAN	PIC	
CIRS_003TI_MIDIRTMAP003_PRIME	C, M, U, V	2005-046T18:57:53	GMB_E003_TITAN3+000T12:00:00	000T04:20:00	2005-046T23:17:53	CIRS_FP3 TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_003NA_DEADTIME046_PRIME	M	2005-046T23:17:53	GMB_E003_TITAN3+000T16:20:00	000T00:12:07	2005-046T23:30:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_003EA_DLTURN046_PRIME	M	2005-046T23:30:00		000T00:29:00	2005-046T23:59:00	XBAND TO EARTH	POS_X TO NEP	
SP_003EA_G70METNON046_PRIME	C, M	2005-046T23:59:00		000T09:00:00	2005-047T08:59:00	XBAND TO EARTH	POS_X TO NEP	
TOST REV 5 SEGMENT		2005-090T05:50:00		001T18:32:00	2005-092T00:22:00			
SP_005TI_WAYPTTURN090_PRIME		2005-090T05:50:00		000T00:30:00	2005-090T06:20:00	ISS_NAC TO TITAN	NEG_X TO SUN	SP TURN TO WAYPOINT
NEW WAYPOINT		2005-090T06:20:00		001T20:02:00	2005-092T02:22:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_005TI_DEADTIME090_PRIME	V	2005-090T06:20:00		000T01:15:16	2005-090T07:35:16	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_005TI_FIRNADCMPO02_PRIME	C, R, U, V	2005-090T07:35:16	GMB_E005_TITAN4-000T12:30:00	000T04:00:00	2005-090T11:35:16	CIRS_FP1 TO TITAN	PIC	
ISS_005TI_COMBINED001_PRIME	C, R, V	2005-090T11:35:16	GMB_E005_TITAN4-000T08:30:00	000T03:00:00	2005-090T14:35:16	ISS_NAC TO TITAN	NEG_X TO SUN	
RADAR_005TI_T4RADIOM001_PRIME	M	2005-090T14:35:16	GMB_E005_TITAN4-000T05:30:00	000T05:00:00	2005-090T19:35:16	NEG_Z TO TITAN	POS_Y TO NORTH_POLE_DIR	THE 2 POLARIZATIONS USE POSY-NTP AND POSX-NTP, RESPECTIVELY; PICK UP FROM/HAND OFF TO WAYPOINT.
ISS_005TI_HIGHRESNA001_PRIME	C, M, V	2005-090T19:35:16	GMB_E005_TITAN4-000T00:30:00	000T00:30:00	2005-090T20:05:16	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_005TI_FIRLMBT002_PRIME	C, I, M, V	2005-090T20:05:16	GMB_E005_TITAN4+000T00:00:00	000T00:45:00	2005-090T20:50:16	CIRS_FP1 TO TITAN	PIC	
CIRS_005TI_FIRLMBAR002_PRIME	C, I, M, V	2005-090T20:50:16	GMB_E005_TITAN4+000T00:45:00	000T00:30:00	2005-090T21:20:16	CIRS_FP1 TO TITAN	PIC	
CIRS_005TI_FIRLMBINT002_PRIME	C, I, M, V	2005-090T21:20:16	GMB_E005_TITAN4+000T01:15:00	000T00:45:00	2005-090T22:05:16	CIRS_FP1 TO TITAN	PIC	
UVIS_005TI_EUVFUV001_PRIME	C, I, V	2005-090T22:05:16	GMB_E005_TITAN4+000T02:00:00	000T02:30:00	2005-091T00:35:16	UVIS_EUV TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_005TI_MIRLMBMAP002_PRIME	C, I, V	2005-091T00:35:16	GMB_E005_TITAN4+000T04:30:00	000T03:30:00	2005-091T04:05:16	CIRS_FP3 TO TITAN	PIC	
CIRS_005TI_FIRNADCMPO03_PRIME	C, I, U, V	2005-091T04:05:16	GMB_E005_TITAN4+000T08:00:00	000T04:00:00	2005-091T08:05:16	CIRS_FP1 TO TITAN	PIC	
CIRS_005TI_MIDIRTMAP003_PRIME	C, I, V	2005-091T08:05:16	GMB_E005_TITAN4+000T12:00:00	000T06:30:00	2005-091T14:35:16	CIRS_FP3 TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_005TI_DEADTIME091_PRIME	V	2005-091T14:35:16	GMB_E005_TITAN4+000T18:30:00	000T00:14:54	2005-091T14:50:10	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_005EA_DLTURN091_PRIME	V	2005-091T14:53:00		000T00:29:00	2005-091T15:22:00	XBAND TO EARTH	NEG_X TO 303.0/68.0	SP TURN TO EARTH
SP_005EA_M70METNON091_PRIME	C, R	2005-091T15:22:00		000T09:00:00	2005-092T00:22:00	XBAND TO EARTH	NEG_X TO 303.0/68.0	
TOST REV 6 SEGMENT		2005-106T06:25:00		001T15:00:00	2005-107T21:25:00			
SP_006TI_WAYPTTURN106_PRIME	M	2005-106T06:25:00		000T00:30:00	2005-106T06:55:00	ISS_NAC TO TITAN	POS_X TO NEP	SP TURN TO WAYPOINT
NEW WAYPOINT		2005-106T06:55:00		000T11:49:46	2005-106T18:44:46	ISS_NAC TO TITAN	POS_X TO NEP	
SP_006NA_DEADTIME106_PRIME	M	2005-106T06:55:00		000T00:21:46	2005-106T07:16:46	ISS_NAC TO TITAN	POS_X TO NEP	1-SIGMA EPHEMERIS UNCERT. = +/- 6 MIN.
CIRS_006TI_FIRNADCMPO02_PRIME	C, I, M, U, V	2005-106T07:16:46	GMB_E006_TITAN5-000T11:55:00	000T03:25:00	2005-106T10:41:46	CIRS_FP1 TO TITAN	POS_X TO NEP	
ISS_006TI_PHOTOMWAC001_PRIME	C, M, V	2005-106T10:41:46	GMB_E006_TITAN5-000T08:30:00	000T00:30:00	2005-106T11:11:46	ISS_NAC TO TITAN	POS_X TO 262.8/64.6	
UVIS_006TI_EUVFUV001_PRIME	C, I, M, V	2005-106T11:11:46	GMB_E006_TITAN5-000T08:00:00	000T05:00:00	2005-106T16:11:46	UVIS_EUV TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_006TI_HIGHRESNA001_PRIME	C, M, U, V	2005-106T16:11:46	GMB_E006_TITAN5-000T03:00:00	000T02:00:00	2005-106T18:11:46	ISS_NAC TO TITAN	POS_X TO 262.8/64.6	

ENGR_006SC_ORSRC052_PPS	M	2005-106T18:11:46	GMB_E006_TITAN5-000T01:00:00	000T00:20:49	2005-106T18:32:35		DEADBAND = (20,5,5)
SP_006SA_WAYPTTURN106_PRIME	M	2005-106T18:32:46	GMB_E006_TITAN5-000T00:39:00	000T00:12:00	2005-106T18:44:46	NEG_Y TO SATURN (6.42,0.0,0.0 DEG. POS_Z TO SUN	SP TURN TO WAYPOINT FOR CAPS AND INMS
NEW WAYPOINT		2005-106T18:44:46		001T03:40:14	2005-107T22:25:00	NEG_Y TO SATURN (6.42,0.0,0.0 DEG. POS_Z TO SUN	
BEGIN CUSTOM		2005-106T18:44:46	GMB_E006_TITAN5-000T00:27:00	000T00:00:01	2005-106T18:44:47		
CAPS_006TI_TITANPTG001_PRIME	M	2005-106T18:44:46	GMB_E006_TITAN5-000T00:27:00	000T00:08:00	2005-106T18:52:46	NEG_Y TO SATURN (6.42,0.0,0.0 DEG. POS_Z TO SUN	PICK UP AT NEG_Y TO SATURN (6.42,0.0,0.0 DEG. OFFSET), POS_Z TO SUN; HAND OFF AT NEG_Y TO SATURN (6.42,0.0,0.0 DEG. OFFSET), POS_Z TO SUN.
INMS_006TI_TSRMPNT002_PRIME	M	2005-106T18:52:46	GMB_E006_TITAN5-000T00:19:00	000T00:31:00	2005-106T19:23:46	NEG_X TO TITAN_SC_RAM (60.0,0.0,0.0 POS_Z TO SUN	PICK UP AT NEG_Y TO SATURN (6.42,0.0,0.0 DEG. OFFSET), POS_Z TO SUN; HAND OFF AT NEG_X TO TITAN_SC_RAM (60.0,0.0,0.0 DEG. OFFSET), POS_Z TO SUN.
CAPS_006TI_TITANPTG002_PRIME	M	2005-106T19:23:46	GMB_E006_TITAN5+000T00:12:00	000T00:25:00	2005-106T19:48:46	NEG_Y TO SATURN (6.42,0.0,0.0 DEG. POS_Z TO SUN	PICK UP AT NEG_X TO TITAN_SC_RAM (60.0,0.0,0.0 DEG. OFFSET), POS_Z TO SUN; HAND OFF AT NEG_Y TO SATURN (6.42,0.0,0.0 DEG. OFFSET), POS_Z TO SUN.
ENGR_006SC_DFPW053_PPS	M	2005-106T19:48:46	GMB_E006_TITAN5+000T00:37:00	000T00:22:42	2005-106T20:11:28		PICK UP AT UNKNOWN, UNKNOWN; HAND OFF AT UNKNOWN, UNKNOWN.
CAPS_006TI_TITANPTG003_PRIME	M	2005-106T20:11:46	GMB_E006_TITAN5+000T01:00:00	000T15:37:00	2005-107T11:48:46	NEG_Y TO SATURN (6.42,0.0,0.0 DEG. POS_Z TO SUN	PICK UP AT NEG_Y TO SATURN (6.42,0.0,0.0 DEG. OFFSET), POS_Z TO SUN; HAND OFF AT NEG_Y TO SATURN (6.42,0.0,0.0 DEG. OFFSET), POS_Z TO SUN.
END CUSTOM		2005-107T11:48:46	GMB_E006_TITAN5+000T16:37:00	000T00:00:01	2005-107T11:48:47		
SP_006NA_DEADTIME107_PRIME	M	2005-107T11:48:47		000T00:10:13	2005-107T11:59:00	NEG_Y TO SATURN (6.42,0.0,0.0 DEG. POS_Z TO SUN	1-SIGMA EPHEMERIS UNCERT. = +/- 6 MIN.
SP_006EA_DLTURN107_PRIME	M	2005-107T11:59:00		000T00:32:00	2005-107T12:31:00	XBAND TO EARTH	POS_X TO NEP
SP_006EA_M70METNON107_PRIME	C	2005-107T12:31:00		000T08:54:00	2005-107T21:25:00	XBAND TO EARTH	ROLLING/SRU
RADAR_006TI_SOUTHSCAT001_PRIME	M	2005-108T01:25:00		000T01:00:00	2005-108T02:25:00	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR SCATTEROMETRY OF TITAN. DISTANT TITAN RADIOMETER SCIENCE AND CALIBRATION DATA.
RADAR_006TI_SOUTHSCAL001_PRIME	M	2005-108T02:25:00		000T01:00:00	2005-108T03:25:00	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR
ISS_007TI_1X1PT150001_PRIME		2005-125T06:00:00		000T01:00:00	2005-125T07:00:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_007TI_1X1PT140001_PRIME	M	2005-125T17:10:00		000T01:00:00	2005-125T18:10:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_009TI_1X1WND10001_PRIME	M, U	2005-155T02:30:00		000T00:06:00	2005-155T02:36:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_009TI_1X1WND10002_PRIME	M, U	2005-155T03:50:00		000T00:06:00	2005-155T03:56:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_009TI_1X1WND10003_PRIME	M, U	2005-155T05:10:00		000T00:06:00	2005-155T05:16:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_009TI_1X1WND10004_PRIME	M, U	2005-155T06:30:00		000T00:06:00	2005-155T06:36:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_009TI_1X1WND10005_PRIME	M, U	2005-155T07:50:00		000T00:06:00	2005-155T07:56:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_009TI_1X1WND10006_PRIME	M, U	2005-155T09:10:00		000T00:06:00	2005-155T09:16:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_009TI_1X1WND10007_PRIME	M, U	2005-155T10:30:00		000T00:06:00	2005-155T10:36:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_009TI_1X1WND10008_PRIME	M, U	2005-155T11:50:00		000T00:06:00	2005-155T11:56:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_009TI_1X1WND10009_PRIME	M, U	2005-155T13:10:00		000T01:20:00	2005-155T14:30:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_009TI_SATELLORB018_PRIME	M	2005-156T05:00:00		000T01:00:00	2005-156T06:00:00	ISS_NAC TO TITAN	POS_Z TO NSP
CIRS_009TI_COMPMAP002_PRIME	I, M, R, U, V	2005-157T09:30:00		000T06:30:00	2005-157T16:00:00	CIRS_FP_B TO TITAN	NEG_X TO SUN
RADAR_010TI_SOUTH7CAL001_PRIME	M	2005-170T03:40:00		000T01:00:00	2005-170T04:40:00	NEG_Z TO TITAN	POS_X TO NEP
CIRS_010TI_COMPMAP003_PRIME	M	2005-173T03:00:00		000T11:00:00	2005-173T14:00:00	CIRS_FP_B TO TITAN	POS_Z TO NORTH_POLE_DIR
ISS_011TI_1X1PT90A001_PRIME	M	2005-188T07:30:00		000T01:00:00	2005-188T08:30:00	ISS_NAC TO TITAN	NEG_X TO SUN
RADAR_011TI_SOUTH4CAL001_PRIME	M	2005-193T02:45:00		000T01:00:00	2005-193T03:45:00	NEG_Z TO TITAN	NEG_X TO SC_RAM RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION. CHECK WITH CAPS/MAPS BEFORE MAKING CHANGES TO POINTING.
TOST REV 13 SEGMENT		2005-233T21:20:00		001T16:22:00	2005-235T13:42:00		
SP_013TI_WAYPTTURN233_PRIME	C, R	2005-233T21:20:00		000T00:26:00	2005-233T21:46:00	ISS_NAC TO TITAN (0.0,0.0,-10.0 DEG. NEG_X TO SUN	SP TURN TO WAYPOINT - WILL NEED TO BE 2-PART TURN
SP_013TI_WAYPTTURN433_PRIME	C	2005-233T21:46:00		000T00:04:00	2005-233T21:50:00	ISS_NAC TO TITAN	NEG_X TO SUN

NEW WAYPOINT		2005-233721:50:00		001T16:51:00	2005-235T14:41:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_013NA_DEADTIME001_PRIME		2005-233721:50:00		000T00:15:00	2005-233T22:05:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_013TI_FIRNADCMP003_PRIME	C, I, M, U, V	2005-233722:05:37	GMB_E013_TITAN6-000T10:48:00	000T03:18:00	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, I, 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, I, 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_FIRLMBMBAER002_PRIME	C, I, 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, I, 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_FIRLMBMBAER003_PRIME	C, I, 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, I, 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, I, 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_Z TO NORTH_POLE_DIR	
CIRS_013TI_MIRLMBMAP003_PRIME	C, I, 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_MIDIRTMAP007_PRIME	C, I, M, U, V	2005-234T20:53:37	GMB_E013_TITAN6+000T12:00:00	000T07:03:23	2005-235T03:57:00	CIRS_FPB TO TITAN	NEG_X TO SUN	
SP_013NA_DEADTIME002_PRIME	M	2005-235T03:57:00	GMB_E013_TITAN6+000T19:03:23	000T00:15:00	2005-235T04:12:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_013EA_DLTURN235_PRIME	M	2005-235T04:12:00		000T00:30:00	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	
CIRS_014TI_MIDIRTMAP006_PRIME	I, V	2005-249T06:00:00		000T05:00:00	2005-249T11:00:00	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE_DIR	
TOST REV 14 SEGMENT		2005-249T20:30:00		001T16:16:00	2005-251T12:46:00			
SP_014TI_WAYPTTURN249_PRIME	R	2005-249T20:30:00		000T00:45:00	2005-249T21:15:00	ISS_NAC TO TITAN (0.0,-10.0,0.0 DEG.	POS_X TO NEP	SP TURN TO WAYPOINT
NEW WAYPOINT		2005-249T21:15:00		000T10:33:57	2005-250T07:48:57	ISS_NAC TO TITAN (0.0,-10.0,0.0 DEG.	POS_X TO NEP	
SP_014NA_DEADTIME249_PRIME		2005-249T21:15:00		000T00:26:57	2005-249T21:41:57	ISS_NAC TO TITAN (0.0,-10.0,0.0 DEG.	POS_X TO NEP	
ISS_014TI_MONITORNA001_PRIME	C, V	2005-249T21:41:57	GMB_E014_TITAN7-000T10:30:00	000T01:45:00	2005-249T23:26:57	ISS_NAC TO TITAN (0.0,-10.0,0.0 DEG.	POS_X TO NEP	
VIMS_014TI_MEDRES001_PRIME	C, I	2005-249T23:26:57	GMB_E014_TITAN7-000T08:45:00	000T03:45:00	2005-250T03:11:57	ISS_NAC TO TITAN (0.0,-10.0,0.0 DEG.	POS_X TO NEP	
ISS_014TI_COMBINED001_PRIME	C, M, V	2005-250T03:11:57	GMB_E014_TITAN7-000T05:00:00	000T04:08:00	2005-250T07:19:57	ISS_NAC TO TITAN (0.0,-10.0,0.0 DEG.	POS_X TO NEP	
ENGR_014SC_RADRCS250_PPS	C, M, R, V	2005-250T07:20:07	GMB_E014_TITAN7-000T00:51:50	000T00:20:50	2005-250T07:40:57			DEADBAND = (0.5, 2, 0.5)
SP_014TI_WAYPTTURN250_PRIME	M, R	2005-250T07:40:57	GMB_E014_TITAN7-000T00:31:00	000T00:08:00	2005-250T07:48:57	NEG_Z TO TITAN (0.0,0.0,-40.0 DEG.	O NEG_X TO TITAN_SC_RAM	SP TURN TO WAYPOINT
NEW WAYPOINT		2005-250T07:48:57		000T06:03:00	2005-250T13:51:57	NEG_Z TO TITAN (0.0,0.0,-40.0 DEG.	O NEG_X TO TITAN_SC_RAM	
BEGIN CUSTOM		2005-250T07:48:57	GMB_E014_TITAN7-000T00:23:00	000T00:00:01	2005-250T07:48:58			
RADAR_014TI_TI7P1ALT001_PRIME	M	2005-250T07:48:57	GMB_E014_TITAN7-000T00:23:00	000T00:08:00	2005-250T07:56:57	NEG_Z TO TITAN (0.0,0.0,-40.0 DEG.	O NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN (0.0,0.0,-40.0 DEG. OFFSET), NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_014TI_TI7P2LRES001_PRIME	M	2005-250T07:56:57	GMB_E014_TITAN7-000T00:15:00	000T00:08:30	2005-250T08:05:27	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_014TI_TI7P3HRES001_PRIME	M	2005-250T08:05:27	GMB_E014_TITAN7-000T00:06:30	000T00:13:00	2005-250T08:18:27	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_014TI_TI7P4LRES001_PRIME	M	2005-250T08:18:27	GMB_E014_TITAN7+000T00:06:30	000T00:08:30	2005-250T08:26:57	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_014TI_TI7P5ALT001_PRIME	M	2005-250T08:26:57	GMB_E014_TITAN7+000T00:15:00	000T00:24:00	2005-250T08:50:57	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM. HAND OFF ATTITUDE WAS CHOSEN FOR UVIS
UVIS_014ST_ALPPEG002_PRIME	C, I, M	2005-250T08:50:57	GMB_E014_TITAN7+000T00:39:00	000T00:45:00	2005-250T09:35:57	UVIS_FUV TO STAR	PIC	PICK UP AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM; HAND OFF AT UVIS_FUV TO 346.19/15.205, NEG_Z TO 82.0/20.3. PICK UP AT POS_X TO TITAN_SC_RAM; HAND OFF AT UVIS_FUV_OCC TO 346.19/15.205, NEG_Z TO 82.0/20.3
ENGR_014SC_RDRWABIAS251_PPS	M	2005-250T09:35:57	GMB_E014_TITAN7+000T01:24:00	000T00:23:18	2005-250T09:59:15	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM.

RADAR_014TI_TI7P6RAD001_PRIME	M	2005-250T09:59:57	GMB_E014_TITAN7+000T01:48:00	000T03:32:00	2005-250T13:31:57	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT UVIS_FUV TO 346.19/15.205, NEG_Z TO 82.0/20.3; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,-40.0 DEG. OFFSET), NEG_X TO TITAN_SC_RAM. PICK UP FROM UVIS; HAND OFF TO RADAR WAYPOINT. USE POS_X TO NTP AND NEG_Y TO NTP FOR THE TWO POLARIZATIONS.
END CUSTOM		2005-250T13:31:57	GMB_E014_TITAN7+000T05:20:00	000T00:00:01	2005-250T13:31:58			
SP_014TI_WAYPTTURN450_PRIME	C	2005-250T13:31:57	GMB_E014_TITAN7+000T05:20:00	000T00:20:00	2005-250T13:51:57	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	SP TURN TO WAYPOINT
NEW WAYPOINT		2005-250T13:51:57		000T23:18:03	2005-251T13:10:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_014TI_MIRLMBINT002_PRIME	C, I, V	2005-250T13:51:57	GMB_E014_TITAN7+000T05:40:00	000T03:20:00	2005-250T17:11:57	CIRS_FPB TO TITAN	PIC	SECONDARY AXIS ROTATING TO FOLLOW THE LIMB.
CIRS_014TI_FIRNADCMP002_PRIME	C, I, V	2005-250T17:11:57	GMB_E014_TITAN7+000T09:00:00	000T03:00:00	2005-250T20:11:57	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_014TI_MIDIRTMAP005_PRIME	C, I, R, V	2005-250T20:11:57	GMB_E014_TITAN7+000T12:00:00	000T06:11:52	2005-251T02:23:49	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_014NA_DEADTIME251_PRIME	C, I, R, V	2005-251T02:23:49	GMB_E014_TITAN7+000T18:11:52	000T00:00:01	2005-251T02:23:50	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_014EA_DLTURN251_PRIME	C, I, R, V	2005-251T02:24:00		000T00:26:00	2005-251T02:50:00	XBAND TO EARTH	POS_X TO NORTH_POLE_DIR	SP TURN TO EARTH
SP_014EA_M34HEFNON251_PRIME	C, R	2005-251T02:50:00		000T09:56:00	2005-251T12:46:00	XBAND TO EARTH	ROLLING/SRU	
SP_015TI_WAYPTTURN267_PRIME		2005-267T19:20:00		000T00:30:00	2005-267T19:50:00	ISS_NAC TO TITAN	POS_X TO NEP	SP TURN TO WAYPOINT
CIRS_015TI_COMPMAP005_PRIME	I	2005-267T19:50:00		000T08:15:00	2005-268T04:05:00	CIRS_FPB TO TITAN (0.0,20.0,0.0 DEG.	POS_X TO NEP	ORIGINAL POINTING WAS NEG_Y TO TITAN
NAV_016TI_WAYPTTURN822_PRIME	M	2005-282T20:26:00		000T00:01:00	2005-282T20:27:00	NEG_Y TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_016TI_COMPMAP006_PRIME	M, N, R	2005-282T20:27:00		000T11:00:00	2005-283T07:27:00	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_017TI_MIDIRTMAP008_PRIME	C, R, V	2005-300T01:24:00		000T07:00:00	2005-300T08:24:00	CIRS_FPB TO TITAN	POS_X TO NSP	
TOST REV 17 SEGMENT		2005-300T18:29:00		001T15:20:00	2005-302T09:49:00			
SP_017TI_WAYPTTURN300_PRIME	C, R	2005-300T18:29:00		000T00:30:00	2005-300T18:59:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2005-300T18:59:00		000T05:31:25	2005-301T00:30:25	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_017NA_DEADTIME300_PRIME	R	2005-300T18:59:00		000T00:15:00	2005-300T19:14:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_017TI_GLOMAP001_PRIME	C, R, U, V	2005-300T19:14:25	GMB_E017_TITAN8-000T09:01:00	000T00:47:00	2005-300T20:01:25	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_017TI_MEDRES001_PRIME	C, I, R, U	2005-300T20:01:25	GMB_E017_TITAN8-000T08:14:00	000T03:26:00	2005-300T23:27:25	ISS_NAC TO TITAN	PIC	
ISS_017TI_HIGHRESNA001_PRIME	C, R, U, V	2005-300T23:27:25	GMB_E017_TITAN8-000T04:48:00	000T00:33:00	2005-301T00:00:25	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_017TI_WAYPTTURN301_PRIME	R	2005-301T00:00:25	GMB_E017_TITAN8-000T04:15:00	000T00:30:00	2005-301T00:30:25	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
NEW WAYPOINT		2005-301T00:30:25		000T09:25:00	2005-301T09:55:25	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
RADAR_017TI_TI8P1RADI001_PRIME	M	2005-301T00:30:25	GMB_E017_TITAN8-000T03:45:00	000T02:02:00	2005-301T02:32:25	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
ENGR_017SC_RADRCS301_PPS	M	2005-301T02:32:25	GMB_E017_TITAN8-000T01:43:00	000T00:21:15	2005-301T02:53:40			
RADAR_017TI_TI8P2SCAT001_PRIME	M	2005-301T02:54:25	GMB_E017_TITAN8-000T01:21:00	000T00:49:00	2005-301T03:43:25	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	
RADAR_017TI_TI8P3ALTI001_PRIME	M	2005-301T03:43:25	GMB_E017_TITAN8-000T00:32:00	000T00:16:48	2005-301T04:00:13	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	
RADAR_017TI_TI8P4LSAR001_PRIME	M	2005-301T04:00:13	GMB_E017_TITAN8-000T00:15:12	000T00:12:12	2005-301T04:12:25	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	
RADAR_017TI_TI8P5HSAR001_PRIME	M	2005-301T04:12:25	GMB_E017_TITAN8-000T00:03:00	000T00:06:00	2005-301T04:18:25	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	
RADAR_017TI_TI8P6LSAR001_PRIME	M	2005-301T04:18:25	GMB_E017_TITAN8+000T00:03:00	000T00:12:00	2005-301T04:30:25	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	
RADAR_017TI_TI8P7ALTO001_PRIME	M	2005-301T04:30:25	GMB_E017_TITAN8+000T00:15:00	000T00:17:00	2005-301T04:47:25	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
RADAR_017TI_TI8P8SCAT001_PRIME	M	2005-301T04:47:25	GMB_E017_TITAN8+000T00:32:00	000T00:49:00	2005-301T05:36:25	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
ENGR_017SC_RADRWBIAS301_PPS	M	2005-301T05:36:25	GMB_E017_TITAN8+000T01:21:00	000T00:21:41	2005-301T05:58:06			
RADAR_017TI_TI8P9RAD001_PRIME	M	2005-301T06:00:25	GMB_E017_TITAN8+000T01:45:00	000T03:25:00	2005-301T09:25:25	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_017TI_WAYPTTURN501_PRIME		2005-301T09:25:25	GMB_E017_TITAN8+000T05:10:00	000T00:30:00	2005-301T09:55:25	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2005-301T09:55:25		001T00:24:35	2005-302T10:20:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_017TI_MIRLMBMAP003_PRIME	C, I, U, V	2005-301T09:55:25	GMB_E017_TITAN8+000T05:40:00	000T03:20:00	2005-301T13:15:25	CIRS_FPB TO TITAN	PIC	
CIRS_017TI_FIRNADCMP003_PRIME	C, I, U, V	2005-301T13:15:25	GMB_E017_TITAN8+000T09:00:00	000T03:00:00	2005-301T16:15:25	CIRS_FP1 TO TITAN	NEG_X TO SUN	
CIRS_017TI_MIDIRTMAP005_PRIME	C, I, R, U, V	2005-301T16:15:25	GMB_E017_TITAN8+000T12:00:00	000T07:48:50	2005-302T00:04:15	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_017NA_DEADTIME302_PRIME	R	2005-302T00:04:15		000T00:14:45	2005-302T00:19:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_017EA_DLTURN302_PRIME	C, R	2005-302T00:19:00		000T00:30:00	2005-302T00:49:00	XBAND TO EARTH	NEG_X TO 199.8/-50.8	
SP_017EA_M70ARRNON302_PRIME	C, R	2005-302T00:49:00		000T09:00:00	2005-302T09:49:00	XBAND TO EARTH	5_HR_ROLLING	
ISS_017TI_1X1PT160001_PRIME	M	2005-302T18:20:00		000T00:50:00	2005-302T19:10:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_017TI_WAYPTTURN305_PRIME	R	2005-305T06:40:00		000T00:20:00	2005-305T07:00:00	NEG_Z TO TITAN	POS_X TO NSP	
RADAR_017TI_PHASE4CAL001_PRIME		2005-305T07:00:00		000T01:00:00	2005-305T08:00:00	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
RADAR_017TI_LONG3CAL001_PRIME	M	2005-315T23:53:00		000T01:00:00	2005-316T00:53:00	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	

RADAR_017TI_LONG2CAL001_PRIME	M	2005-316T20:32:00		000T00:54:34	2005-316T21:26:34	NEG_Z TO TITAN	POS_X TO NSP	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
RADAR_019TI_LONG3CAL001_PRIME	M	2005-347T20:00:00		000T01:00:00	2005-347T21:00:00	NEG_Z TO TITAN	PIC	
RADAR_019TI_LONG2CAL001_PRIME	M	2005-349T03:40:00		000T01:36:00	2005-349T05:16:00	NEG_Z TO TITAN	PIC	
TOST REV 19 SEGMENT		2005-360T06:59:00		001T06:35:00	2005-361T13:34:00			
SP_019TI_WAYPTTURN360_PRIME	M	2005-360T06:59:00		000T00:12:00	2005-360T07:11:00	XBAND TO EARTH	NEG_X TO SUN	
SP_019TI_WAYPTTURN460_PRIME	M	2005-360T07:11:00		000T00:23:00	2005-360T07:34:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2005-360T07:34:00		001T06:30:00	2005-361T14:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_019NA_DEADTIME360_PRIME	M	2005-360T07:34:30		000T00:15:00	2005-360T07:49:30	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_019TI_FIRNADCMP002_PRIME	C, I, M, U, V	2005-360T07:49:30	GMB_E019_TITAN9-000T11:10:00	000T02:10:00	2005-360T09:59:30	CIRS_FP1 TO TITAN	PIC	
VIMS_019TI_MEDRES001_PRIME	C, I, M, U	2005-360T09:59:30	GMB_E019_TITAN9-000T09:00:00	000T03:00:00	2005-360T12:59:30	VIMS_IR TO TITAN	NEG_X TO SUN	
ISS_019TI_GLBMAPNLP001_PRIME	C, M, U, V	2005-360T12:59:30	GMB_E019_TITAN9-000T06:00:00	000T02:00:00	2005-360T14:59:30	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_019TI_HDAC001_PRIME	C, I, M, V	2005-360T14:59:30	GMB_E019_TITAN9-000T04:00:00	000T06:30:00	2005-360T21:29:30	ISS_NAC TO TITAN (0.0,-19.0,0.0 DEG.	POS_X TO NSP	
UVIS_019TI_EUVFUV001_PRIME	C, I, M, R, V	2005-360T21:29:30	GMB_E019_TITAN9+000T02:30:00	000T06:24:00	2005-361T03:53:30	ISS_NAC TO TITAN	POS_X TO NSP	
SP_019NA_DEADTIME361_PRIME	M, R, V	2005-361T03:53:30		000T00:10:30	2005-361T04:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_019TI_DLTURN361_PRIME	M, R, V	2005-361T04:04:00		000T00:30:00	2005-361T04:34:00	XBAND TO EARTH (0.0,0.0,10.0 DEG. C	POS_X TO NSP	
SP_019EA_G70METNON361_PRIME	C, M, R	2005-361T04:34:00		000T09:00:00	2005-361T13:34:00	XBAND TO EARTH (0.0,0.0,10.0 DEG. C	ROLLING	
CIRS_019TI_MIDIRTMAP009_PRIME	R, V	2005-361T14:04:00		000T13:33:00	2005-362T03:37:00	CIRS_FP8 TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_020TI_1X1PT40001_PRIME	M	2006-013T00:13:00		000T01:00:00	2006-013T01:13:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TOST REV 20 SEGMENT		2006-014T13:38:00		001T22:27:00	2006-016T12:05:00			
SP_020TI_WAYPTTURN014_PRIME		2006-014T13:38:00		000T00:30:00	2006-014T14:08:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2006-014T14:08:00		001T22:27:00	2006-016T12:35:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_020NA_DEADTIME014_PRIME		2006-014T14:08:00		000T00:15:00	2006-014T14:23:00			
CIRS_020TI_MIDIRTMAP010_PRIME	C, I, U, V	2006-014T14:23:27	GMB_E020_TITAN10-000T21:18:00	000T09:18:00	2006-014T23:41:27	CIRS_FP8 TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_020TI_FIRNADCMP002_PRIME	C, I, U, V	2006-014T23:41:27	GMB_E020_TITAN10-000T12:00:00	000T02:00:00	2006-015T01:41:27	CIRS_FP1 TO TITAN	PIC	
ISS_020TI_MONITORNA001_PRIME	C, V	2006-015T01:41:27	GMB_E020_TITAN10-000T10:00:00	000T01:00:00	2006-015T02:41:27	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_020TI_MIRLMBINT002_PRIME	C, I, U, V	2006-015T02:41:27	GMB_E020_TITAN10-000T09:00:00	000T04:00:00	2006-015T06:41:27	CIRS_FP8 TO TITAN	PIC	
ISS_020TI_GLBMAPNLP001_PRIME	C, U, V	2006-015T06:41:27	GMB_E020_TITAN10-000T05:00:00	000T03:00:00	2006-015T09:41:27	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_020TI_HIGHRESNA001_PRIME	C, I, M	2006-015T09:41:27	GMB_E020_TITAN10-000T02:00:00	000T01:20:00	2006-015T11:01:27	VIMS_IR TO TITAN	NEG_X TO SUN	
UVIS_020SU_USUNOCC001_PRIME	M, V	2006-015T11:01:27	GMB_E020_TITAN10-000T00:40:00	000T01:40:00	2006-015T12:41:27	ISS_NAC TO SUN (-20.0,0.0,0.0 DEG. O	POS_X TO TITAN	
CIRS_020TI_FIRLMBINT003_PRIME	C, I, M, V	2006-015T12:41:27	GMB_E020_TITAN10+000T01:00:00	000T01:00:00	2006-015T13:41:27	CIRS_FP1 TO TITAN	PIC	
VIMS_020TI_AURORAE001_PRIME	C, I	2006-015T13:41:27	GMB_E020_TITAN10+000T02:00:00	000T01:00:00	2006-015T14:41:27	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_020TI_EUVFUV001_PRIME	C, I, V	2006-015T14:41:27	GMB_E020_TITAN10+000T03:00:00	000T05:00:00	2006-015T19:41:27	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_020TI_NIGHTNAC002_PRIME	C, U	2006-015T19:41:27	GMB_E020_TITAN10+000T08:00:00	000T06:43:00	2006-016T02:24:27	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_020NA_DEADTIME016_PRIME		2006-016T02:24:27	GMB_E020_TITAN10+000T14:43:00	000T00:10:33	2006-016T02:35:00			
SP_020EA_DLTURN016_PRIME		2006-016T02:35:00		000T00:30:00	2006-016T03:05:00	XBAND TO EARTH	POS_X TO NEP	
SP_020EA_G70METNON016_PRIME	C	2006-016T03:05:00		000T09:00:00	2006-016T12:05:00	XBAND TO EARTH	POS_X TO NEP	
SP_020SA_WAYPTTURN016_PRIME		2006-016T12:05:00		000T00:30:00	2006-016T12:35:00	ISS_NAC TO SATURN	POS_X TO NSP	
NEW WAYPOINT		2006-016T12:35:00		000T11:51:00	2006-017T00:26:00	ISS_NAC TO SATURN	POS_X TO NSP	
ISS_020TI_MUTUALEVE023_PRIME		2006-027T22:30:00		000T02:48:00	2006-028T01:18:00	ISS_NAC TO TITAN	POS_Z TO NSP	
RADAR_021TI_LONG3CAL001_PRIME		2006-046T13:37:00		000T01:00:00	2006-046T14:37:00	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
RADAR_021TI_LONG2CAL001_PRIME		2006-047T06:37:00		000T01:00:00	2006-047T07:37:00	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
TOST REV 21 SEGMENT		2006-057T09:06:00		001T23:45:00	2006-059T08:51:00			
SP_021TI_WAYPTTURN057_PRIME		2006-057T09:06:00		000T00:30:00	2006-057T09:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2006-057T09:36:00		001T23:50:00	2006-059T09:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_021NA_DEADTIME057_PRIME		2006-057T09:36:00		000T00:19:19	2006-057T09:55:19	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_021TI_GLOBMAP001_PRIME	C, I, U	2006-057T09:55:19	GMB_E021_TITAN11-000T22:30:00	000T12:30:00	2006-057T22:25:19	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_021TI_GLOBMAPNA001_PRIME	C, R, U, V	2006-057T22:25:19	GMB_E021_TITAN11-000T10:00:00	000T03:00:00	2006-058T01:25:19	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_021EA_DLTURN058_PRIME	R	2006-058T01:25:19	GMB_E021_TITAN11-000T07:00:00	000T00:30:00	2006-058T01:55:19	XBAND TO EARTH	NEG_X TO SUN	

INBOUND RSS TITAN GRAVITY		2006-058T01:55:19	GMB_E021_TITAN11-000T06:30:00	000T02:00:00	2006-058T03:55:19			THIS IS AN INBOUND RSS TITAN GRAVITY PASS. IT IS A PRIME OBSERVATION DURING WHICH A D/L IS PERFORMED, HENCE IT IS MARKED AS A SPASS NOTE.
SP_021EA_G34BWGRSS058_PRIME	R	2006-058T01:55:19	GMB_E021_TITAN11-000T06:30:00	000T02:00:00	2006-058T03:55:19	XBAND TO EARTH	NEG_X TO SUN	
SP_021TI_WAYPTTURN058_PRIME	R, V	2006-058T03:55:19	GMB_E021_TITAN11-000T04:30:00	000T00:30:00	2006-058T04:25:19	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_021TI_REGMAPNA001_PRIME	C, M, R, U, V	2006-058T04:25:19	GMB_E021_TITAN11-000T04:00:00	000T02:30:00	2006-058T06:55:19	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_021EA_DLTURN558_PRIME	M, R	2006-058T06:55:19	GMB_E021_TITAN11-000T01:30:00	000T00:30:00	2006-058T07:25:19	XBAND TO EARTH	NEG_X TO SUN	
NEAR C/A-OUTBOUND RSS TITAN...		2006-058T07:25:19	GMB_E021_TITAN11-000T01:00:00	000T05:30:00	2006-058T12:55:19			THIS IS AN RSS TITAN GRAVITY PASS NEAR C/A. IT IS A PRIME OBSERVATION DURING WHICH A D/L IS PERFORMED, HENCE IT IS MARKED AS A SPASS RIDER.
SP_021EA_G34BWGRSS558_PRIME	M, R	2006-058T07:25:19	GMB_E021_TITAN11-000T01:00:00	000T05:30:00	2006-058T12:55:19	XBAND TO EARTH	NEG_X TO SUN	
SP_021TI_WAYPTTURN458_PRIME	R	2006-058T12:55:19	GMB_E021_TITAN11+000T04:30:00	000T00:23:41	2006-058T13:19:00	ISS_NAC TO TITAN (0.0,0.0,30.0 DEG.	NEG_X TO SUN	
SP_021TI_WAYPTTURN558_PRIME	R	2006-058T13:19:00		000T00:06:19	2006-058T13:25:19	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_021TI_EUVFUV002_PRIME	C, I, V	2006-058T13:25:19	GMB_E021_TITAN11+000T05:00:00	000T03:30:00	2006-058T16:55:19	UVIS_FUV TO TITAN	NEG_X TO SUN	
CIRS_021TI_FIRNADCMP002_PRIME	C, I, R, U, V	2006-058T16:55:19	GMB_E021_TITAN11+000T08:30:00	000T04:40:00	2006-058T21:35:19	CIRS_FP1 TO TITAN	PIC	
SP_021NA_DEADTIME058_PRIME	R	2006-058T21:35:19	GMB_E021_TITAN11+000T13:10:00	000T00:15:41	2006-058T21:51:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_021EA_DLTURN658_PRIME	R	2006-058T21:51:00		000T00:30:00	2006-058T22:21:00	XBAND TO EARTH	POS_X TO NEP	
SP_021EA_G70METNON058_PRIME	C, R	2006-058T22:21:00		000T10:30:00	2006-059T08:51:00	XBAND TO EARTH	POS_X TO NEP	
RADAR_022TI_LONG4CAL001_PRIME		2006-073T11:30:00		000T02:00:00	2006-073T13:30:00	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	RADAR MUST CONTROL BOTH AXES TO OBTAIN CORRECT POLARIZATION.
ISS_022TI_1X1PT90001_PRIME		2006-075T14:30:00		000T01:00:00	2006-075T15:30:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_022TI_COMPMAP002_PRIME	R, V	2006-076T08:20:00		000T13:59:00	2006-076T22:19:00	CIRS_FPB TO TITAN	POS_Z TO NSP	
TOST REV 22 SEGMENT		2006-077T07:49:00		001T16:15:00	2006-079T00:04:00			
SP_022TI_WAYPTTURN077_PRIME		2006-077T07:49:00		000T00:30:00	2006-077T08:19:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2006-077T08:19:00		001T16:12:00	2006-079T00:31:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_022NA_DEADTIME077_PRIME		2006-077T08:19:00		000T00:22:57	2006-077T08:41:57	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_022TI_GLOBMAP002_PRIME	C, I	2006-077T08:41:57	GMB_E022_TITAN12-000T15:24:00	000T01:24:00	2006-077T10:05:57	VIMS_IR TO TITAN	NEG_X TO SUN	
CIRS_022TI_FIRNADCMP003_PRIME	C, I, U, V	2006-077T10:05:57	GMB_E022_TITAN12-000T14:00:00	000T07:00:00	2006-077T17:05:57	CIRS_FP1 TO TITAN	PIC	
ISS_022TI_GLOBMAPNA001_PRIME	C, R, U, V	2006-077T17:05:57	GMB_E022_TITAN12-000T07:00:00	000T03:50:00	2006-077T20:55:57	ISS_NAC TO TITAN	NEG_X TO SUN	
ENGR_022SC_URSS3RCS077_PPS	C, I, R, V	2006-077T20:55:57	GMB_E022_TITAN12-000T03:10:00	000T00:20:48	2006-077T21:16:45			(0.5, 2.0, 0.5) DEADBAND
VIMS_022TI_REGMAP004_PRIME	C, I, M, R, U	2006-077T21:16:57	GMB_E022_TITAN12-000T02:49:00	000T01:24:00	2006-077T22:40:57	VIMS_IR TO TITAN	NEG_X TO SUN	
SET DEADBAND TO (0.5, 0.5, ...		2006-077T22:40:57	GMB_E022_TITAN12-000T01:25:00	000T00:00:05	2006-077T22:41:02			(0.5, 0.5, 2.0) DEADBAND
RSS_022TI_BISTATIN001_PRIME	M, R	2006-077T22:40:57	LMB_E022_TITAN12-000T01:25:00	000T01:19:00	2006-077T23:59:57	XBAND TO EARTH	POS_X TO 145.0/-45.0	
RSS_022TI_OCC001_PRIME	M, R	2006-077T23:59:57	LMB_E022_TITAN12-000T00:06:00	000T01:03:00	2006-078T01:02:57	XBAND TO EARTH	NEG_Y TO SATURN	
ENGR_022SC_RADWUBIAS077_PPS	M, R	2006-078T01:02:57	GMB_E022_TITAN12+000T00:57:00	000T00:21:10	2006-078T01:24:07	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
RADAR_022TI_T12OUTRAD001_PRIME	M	2006-078T01:24:57	GMB_E022_TITAN12+000T01:19:00	000T04:11:00	2006-078T05:35:57	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	USE +Y_NTP FOR THE 2ND POLARIZATION; LEAVE AT -Y TO TITAN, -X TO SUN.
VIMS_022TI_AURORA002_PRIME	C, I, U	2006-078T05:35:57	GMB_E022_TITAN12+000T05:30:00	000T06:50:00	2006-078T12:25:57	VIMS_IR TO TITAN	NEG_X TO SUN	
CIRS_022TI_FIRNADCMP008_PRIME	C, I, R, U, V	2006-078T12:25:57	GMB_E022_TITAN12+000T12:20:00	000T01:41:00	2006-078T14:06:57	CIRS_FP1 TO TITAN	PIC	
SP_022NA_DEADTIME078_PRIME	R	2006-078T14:06:57	GMB_E022_TITAN12+000T14:01:00	000T00:14:43	2006-078T14:21:40	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_022EA_DLTURN078_PRIME	R	2006-078T14:22:00		000T00:22:00	2006-078T14:44:00	XBAND TO EARTH	POS_X TO NEP	
SP_022EA_M70METNON078_PRIME	C, M, R	2006-078T14:44:00		000T09:20:00	2006-079T00:04:00	XBAND TO EARTH	ROLLING/SRU	
ISS_022TI_1X1PT140001_PRIME	M	2006-079T14:06:00		000T01:15:00	2006-079T15:21:00	ISS_NAC TO TITAN	POS_X TO NSP	
RADAR_023TI_PHASE3CAL001_PRIME		2006-116T17:29:00		000T02:00:00	2006-116T19:29:00	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
RADAR_023TI_SCATT1CAL001_PRIME	M	2006-119T17:14:00		000T02:00:00	2006-119T19:14:00	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
TOST REV 23 SEGMENT		2006-120T04:44:00		001T16:30:00	2006-121T21:14:00			
SP_023TI_WAYPTTURN120_PRIME	M	2006-120T04:44:00		000T00:30:00	2006-120T05:14:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2006-120T05:14:00		001T16:30:00	2006-121T21:44:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_023NA_DEADTIME120_PRIME	M	2006-120T05:14:00		000T00:20:14	2006-120T05:34:14	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_023TI_FIRNADCMP003_PRIME	C, I, M, V	2006-120T05:34:14	GMB_E023_TITAN13-000T15:24:00	000T06:24:00	2006-120T11:58:14	CIRS_FP1 TO TITAN	PIC	
CIRS_023TI_MIRLMBMAP004_PRIME	C, I, M	2006-120T11:58:14	GMB_E023_TITAN13-000T09:00:00	000T02:00:00	2006-120T13:58:14	CIRS_FPB TO TITAN	PIC	
ISS_023TI_MEDRES002_PRIME	C, M	2006-120T13:58:14	GMB_E023_TITAN13-000T07:00:00	000T01:00:00	2006-120T14:58:14	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_023TI_MIRLMBMAP006_PRIME	C, I, M, R	2006-120T14:58:14	GMB_E023_TITAN13-000T06:00:00	000T02:00:00	2006-120T16:58:14	CIRS_FPB TO TITAN	PIC	

ISS_023TI_REGMAPNA001_PRIME	C, M, R, V	2006-120T16:58:14	GMB_E023_TITAN13-000T04:00:00	000T02:00:00	2006-120T18:58:14	ISS_NAC TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2006-120T18:58:14	GMB_E023_TITAN13-000T02:00:00	000T00:01:00	2006-120T18:59:14			
VIMS_023TI_HIGHRESNA001_PRIME	C, I, M, R	2006-120T18:58:14	GMB_E023_TITAN13-000T02:00:00	000T00:44:00	2006-120T19:42:14	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT UVIS_FUV TO 78.635/-8.201, NEG_X TO SUN.
UVIS_023ST_BETORIO04_PRIME	C, M, R	2006-120T19:42:14	GMB_E023_TITAN13-000T01:16:00	000T00:41:00	2006-120T20:23:14	UVIS_FUV TO STAR (0.258,0.0,0.0 DEG	NEG_X TO SUN	PICK UP AT UVIS_FUV TO 78.635/-8.201, NEG_X TO SUN; HAND OFF AT UVIS_FUV TO 78.635/-8.201, NEG_X TO SUN.
RADAR_023TI_T13INLRES001_PRIME	M	2006-120T20:23:14	GMB_E023_TITAN13-000T00:35:00	000T00:28:00	2006-120T20:51:14	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	PICK UP AT UVIS_FUV TO 78.635/-8.201, NEG_X TO SUN; HAND OFF AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM.
RADAR_023TI_T13HISAR001_PRIME	M	2006-120T20:51:14	GMB_E023_TITAN13-000T00:07:00	000T00:14:00	2006-120T21:05:14	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM.
23TI (T) T13 TITAN OUTBOUN...		2006-120T20:58:14		000T00:00:01	2006-120T20:58:15			
RADAR_023TI_T13OTLRES001_PRIME	M	2006-120T21:05:14	GMB_E023_TITAN13+000T00:07:00	000T00:08:00	2006-120T21:13:14	NEG_Z TO TITAN	POS_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, POS_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR.
RADAR_023TI_T13OTALT001_PRIME	M	2006-120T21:13:14	GMB_E023_TITAN13+000T00:15:00	000T00:15:00	2006-120T21:28:14	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR.
RADAR_023TI_T13OTSCAT001_PRIME	M	2006-120T21:28:14	GMB_E023_TITAN13+000T00:30:00	000T00:45:00	2006-120T22:13:14	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR.
RADAR_023TI_T13OUTRAD001_PRIME	M	2006-120T22:13:14	GMB_E023_TITAN13+000T01:15:00	000T04:05:00	2006-121T02:18:14	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN.
END CUSTOM PERIOD		2006-121T02:18:14	GMB_E023_TITAN13+000T05:20:00	000T00:01:00	2006-121T02:19:14			
UVIS_023TI_EUVFU002_PRIME	C, I, M	2006-121T02:18:14	GMB_E023_TITAN13+000T05:20:00	000T05:10:00	2006-121T07:28:14	UVIS_FUV TO TITAN (0.0,0.0,-2.29 DEG	NEG_X TO SUN	
CIRS_023TI_FIRNADCMPO02_PRIME	C, I, M, R	2006-121T07:28:14	GMB_E023_TITAN13+000T10:30:00	000T04:07:00	2006-121T11:35:14	CIRS_FP1 TO TITAN	PIC	
SP_023NA_DEADTIME121_PRIME		M, R	2006-121T11:35:14	GMB_E023_TITAN13+000T14:37:00	000T00:10:45	2006-121T11:45:59	ISS_NAC TO TITAN	NEG_X TO SUN
SP_023EA_DLTURN121_PRIME	M, R	2006-121T11:46:00		000T00:28:00	2006-121T12:14:00	XBAND TO EARTH (0.0,0.0,40.0 DEG. C	NEG_X TO NSP	
SP_023EA_M70ARRNON121_PRIME	C, M, R	2006-121T12:14:00		000T09:00:00	2006-121T21:14:00	XBAND TO EARTH	5_HR_DELAYED_ROLLING	TURN WHILE DOWNLINKING TO OFFSET (0, 0, 0)
ISS_023TI_1X1PT150001_PRIME	M	2006-123T05:15:00		000T01:05:00	2006-123T06:20:00	ISS_NAC TO TITAN	NEG_X TO SUN	
RADAR_024TI_LONG4CAL001_PRIME	M	2006-136T09:30:00		000T01:30:00	2006-136T11:00:00	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
ISS_024TI_1X1PT120A001_PRIME		2006-138T04:11:00		000T01:00:00	2006-138T05:11:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TOST REV 24 SEGMENT		2006-139T19:56:00		002T00:00:00	2006-141T19:56:00			
SP_024TI_WAYPTTURN139_PRIME		2006-139T19:56:00		000T00:30:00	2006-139T20:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2006-139T20:26:00		002T00:24:00	2006-141T20:50:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_024NA_DEADTIME139_PRIME		2006-139T20:26:00		000T00:22:11	2006-139T20:48:11	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_024TI_FIRNADCMPO03_PRIME	C, I, V	2006-139T20:48:11	GMB_E024_TITAN14-000T15:30:00	000T06:30:00	2006-140T03:18:11	CIRS_FP1 TO TITAN	PIC	
CIRS_024TI_MIRLMBINT002_PRIME	C, I, V	2006-140T03:18:11	GMB_E024_TITAN14-000T09:00:00	000T01:30:00	2006-140T04:48:11	CIRS_FPB TO TITAN	PIC	
UVIS_024TI_EUVFU001_PRIME	C, I, V	2006-140T04:48:11	GMB_E024_TITAN14-000T07:30:00	000T04:08:00	2006-140T08:56:11	ISS_NAC TO TITAN	NEG_X TO SUN	
ENGR_024SC_ORSRCS140_PPS	C, U, V	2006-140T08:56:11	GMB_E024_TITAN14-000T03:22:00	000T00:20:51	2006-140T09:17:02	ISS_NAC TO TITAN	NEG_X TO SUN	DEADBAND = (0.5, 0.5, 0.5)
REDUCE WALKING DEADBAND		2006-140T08:58:11	GMB_E024_TITAN14-000T03:20:00	000T00:02:00	2006-140T09:00:11			
UVIS_024TI_EUVFU002_PRIME	C, I, R, V	2006-140T09:18:11	GMB_E024_TITAN14-000T03:00:00	000T00:30:00	2006-140T09:48:11	UVIS_FUV TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2006-140T09:48:11	GMB_E024_TITAN14-000T02:30:00	000T00:01:00	2006-140T09:49:11			
CIRS_024TI_FIRLMBINT002_PRIME	C, I, M, R, V	2006-140T09:48:11	LMB_E024_TITAN14-000T02:30:00	000T01:25:00	2006-140T11:13:11	CIRS_FP1 TO TITAN	PIC	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT CIRS_FP1 TO TITAN, PIC. HAND-OFF TO RSS AT CIRS_FP1 TO LAT_VIEW(50N,90,225 KM,LHS); +/-Z PERP TO LIMB
RSS_024TI_BISTATIN001_PRIME	C, M, R	2006-140T11:13:11	LMB_E024_TITAN14-000T01:05:00	000T00:50:00	2006-140T12:03:11	XBAND TO TITAN	NEG_X TO NEP	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT XBAND TO EARTH, NEG_X TO NEP. PICK UP AT FP1 TO LAT_VIEW(50N,90,225,LHS), Z PERP TO LIMB
SET DEADBAND TO (0.5, 0.5, ...		2006-140T11:23:11	GMB_E024_TITAN14-000T00:55:00	000T00:00:01	2006-140T11:23:12			DEADBAND = (0.5, 0.5, 2)

RSS_024TI_OCC001_PRIME	M	2006-140T12:03:11	LMB_E024_TITAN14+000T00:15:00	000T00:32:27	2006-140T12:35:38	XBAND TO EARTH	NEG_X TO NEP	PICK UP AT XBAND TO EARTH, NEG_X TO NEP; HAND OFF AT XBAND TO TITAN, NEG_X TO NEP.
24TI (T) T14 TITAN INBOUND...		2006-140T12:18:11		000T00:00:01	2006-140T12:18:12			
RSS_024TI_BISTATOUT001_PRIME	C, M	2006-140T12:35:38	LMB_E024_TITAN14+000T00:17:27	000T00:47:33	2006-140T13:23:11	XBAND TO TITAN	POS_Y TO NSP	PICK UP AT XBAND TO EARTH, NEG_X TO NEP; HAND OFF AT CIRS_FP1 TO TITAN, PIC. HAND OFF AT FP1 TO LAT_VIEW(50S,90,125KM,RHS), Z PERP TO LIMB
ENGR_024SC_DFPWBIA5140_PPS	C, M	2006-140T13:23:11	GMB_E024_TITAN14+000T01:05:00	000T00:21:07	2006-140T13:44:18	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_024TI_FIRLMBINT003_PRIME	C, I, M, V	2006-140T13:45:11	LMB_E024_TITAN14+000T01:27:00	000T00:48:00	2006-140T14:33:11	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN. PICK-UP FROM RSS AT CIRS_FP1 TO LAT_VIEW (50N,90,125KM,RHS); -Z PERP TO LIMB
RESTORE WALKING DEADBAND		2006-140T13:48:11	GMB_E024_TITAN14+000T01:30:00	000T00:02:00	2006-140T13:50:11			
END CUSTOM PERIOD		2006-140T14:33:11	GMB_E024_TITAN14+000T02:15:00	000T00:01:00	2006-140T14:34:11			
CIRS_024TI_FIRNADMAP003_PRIME	C, I, V	2006-140T14:33:11	GMB_E024_TITAN14+000T02:15:00	000T02:45:00	2006-140T17:18:11	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_024TI_MIRLMBINT003_PRIME	C, I, V	2006-140T17:18:11	GMB_E024_TITAN14+000T05:00:00	000T05:00:00	2006-140T22:18:11	CIRS_FPB TO TITAN	PIC	
CDA_024OT_ECCSCAN011_PRIME	V	2006-140T22:18:11	GMB_E024_TITAN14+000T10:00:00	000T03:00:00	2006-141T01:18:11	NEG_Z TO NSP	NEG_X TO 300.8/1.1	
CIRS_024TI_MIDIRTMAP001_PRIME	C, I, V	2006-141T01:18:11	GMB_E024_TITAN14+000T13:00:00	000T02:00:00	2006-141T03:18:11	CIRS_FPB TO TITAN	NEG_X TO SUN	
CDA_024OT_ECCSCAN013_PRIME	V	2006-141T03:18:11	GMB_E024_TITAN14+000T15:00:00	000T03:00:00	2006-141T06:18:11	NEG_Z TO NSP	NEG_X TO 304.7/0.7	
CIRS_024TI_MIDIRTMAP002_PRIME	C, I, R, V	2006-141T06:18:11	GMB_E024_TITAN14+000T18:00:00	000T02:58:00	2006-141T09:16:11	CIRS_FPB TO TITAN	NEG_X TO SUN	
SP_024NA_DEADTIME141_PRIME	R	2006-141T09:16:11	GMB_E024_TITAN14+000T20:58:00	000T00:09:48	2006-141T09:25:59	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_024EA_DLTURN141_PRIME	R	2006-141T09:26:00		000T00:30:00	2006-141T09:56:00	XBAND TO EARTH	POS_X TO NEP	
SP_024EA_M70ARRNON141_PRIME	C, R	2006-141T09:56:00		000T10:00:00	2006-141T19:56:00	XBAND TO EARTH	POS_X TO NEP	
ISS_024TI_MUTUALEVE002_PRIME	M	2006-153T08:15:00		000T01:00:00	2006-153T09:15:00	ISS_NAC TO TITAN	NEG_Z TO NSP	
ISS_024TI_MUTUALEVE021_PRIME	M	2006-153T09:15:00		000T00:30:00	2006-153T09:45:00	ISS_NAC TO TITAN	NEG_Z TO NSP	
ISS_024TI_MUTUALEVE014_PRIME	M	2006-153T12:15:00		000T00:30:00	2006-153T12:45:00	ISS_NAC TO TITAN	NEG_Z TO NSP	
ISS_024TI_MUTUALEVE018_PRIME	M	2006-153T12:45:00		000T01:00:00	2006-153T13:45:00	ISS_NAC TO TITAN	NEG_Z TO NSP	
RADAR_025TI_PHASE3CAL001_PRIME	M	2006-181T02:08:00		000T01:52:00	2006-181T04:00:00	NEG_Z TO TITAN	POS_X TO NTP	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
TOST REV 25 SEGMENT		2006-182T17:22:00		002T00:00:00	2006-184T17:22:00			
SP_025TI_WAYPTTURN182_PRIME		2006-182T17:22:00		000T00:30:00	2006-182T17:52:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2006-182T17:52:00		002T00:00:00	2006-184T17:52:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_025NA_DEADTIME182_PRIME		2006-182T17:52:00		000T00:23:47	2006-182T18:15:47	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_025TI_GLOBMAP002_PRIME	C, I	2006-182T18:15:47	GMB_E025_TITAN15+000T15:05:00	000T01:35:00	2006-182T19:50:47	VIMS_IR TO TITAN	NEG_X TO SUN	
CIRS_025TI_FIRNADCMPO03_PRIME	C, I, V	2006-182T19:50:47	GMB_E025_TITAN15+000T13:30:00	000T03:30:00	2006-182T23:20:47	CIRS_FP1 TO TITAN	NEG_X TO SUN	
ISS_025TI_GLOBMAPNA001_PRIME	C, V	2006-182T23:20:47	GMB_E025_TITAN15+000T10:00:00	000T02:00:00	2006-183T01:20:47	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_025TI_MIRLMBINT002_PRIME	C, I, R, V	2006-183T01:20:47	GMB_E025_TITAN15+000T08:00:00	000T02:40:00	2006-183T04:00:47	CIRS_FPB TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2006-183T04:00:47	GMB_E025_TITAN15+000T05:20:00	000T00:01:00	2006-183T04:01:47			
SP_025TI_WAYPTTURN183_PRIME	R	2006-183T04:00:47	GMB_E025_TITAN15+000T05:20:00	000T00:20:00	2006-183T04:20:47	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR. SET UP FOR RADAR
RADAR_025TI_T15RADIOM001_PRIME	M	2006-183T04:20:47	GMB_E025_TITAN15+000T05:00:00	000T04:00:00	2006-183T08:20:47	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR.
CAPS_025TI_TITANPTG001_PRIME	M	2006-183T08:20:47	GMB_E025_TITAN15+000T01:00:00	000T01:30:00	2006-183T09:50:47	NEG_X TO 345.0/-20.0	POS_Z TO NSP	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR; HAND OFF AT NEG_X TO 345.0/-20.0, POS_Z TO NSP. PICK UP FROM -Z TO TITAN (CENTER), -Y TO NTP; LEAVE AT -X TO 345/-20, +Z TO NSP
25TI (T) T15 TITAN OUTBOUN...		2006-183T09:20:47		000T00:00:01	2006-183T09:20:48			
CIRS_025TI_FIRLMBIAER003_PRIME	C, I, M, V	2006-183T09:50:47	GMB_E025_TITAN15+000T00:30:00	000T01:00:00	2006-183T10:50:47	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_X TO 345.0/-20.0, POS_Z TO NSP; HAND OFF AT CIRS_FP1 TO TITAN, PIC. PICK UP AT NEG_X TO 345/-20, POS_Z TO NSP
CIRS_025TI_FIRLMBINT003_PRIME	C, I, M, V	2006-183T10:50:47	GMB_E025_TITAN15+000T01:30:00	000T01:00:00	2006-183T11:50:47	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN. LEAVE AT ISS_NAC TO TITAN, NEG_X TO SUN
END CUSTOM PERIOD		2006-183T11:50:47	GMB_E025_TITAN15+000T02:30:00	000T00:01:00	2006-183T11:51:47			
UVIS_025TI_EUVFUV002_PRIME	C, I, V	2006-183T11:50:47	GMB_E025_TITAN15+000T02:30:00	000T05:30:00	2006-183T17:20:47	UVIS_EUV TO TITAN	NEG_X TO SUN	
ISS_025TI_NIGHTNAC001_PRIME	C, V	2006-183T17:20:47	GMB_E025_TITAN15+000T08:00:00	000T01:00:00	2006-183T18:20:47	ISS_NAC TO TITAN	NEG_X TO SUN	

CIRS_025TI_FIRNADCMP002_PRIME	C, I, V	2006-183T18:20:47	GMB_E025_TITAN15+000T09:00:00	000T05:30:00	2006-183T23:50:47	CIRS_FP1 TO TITAN	PIC
CIRS_025TI_MIDIRTMAP002_PRIME	C, I, M, R, V	2006-183T23:50:47	GMB_E025_TITAN15+000T14:30:00	000T07:54:00	2006-184T07:44:47	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE_DIR
SP_025NA_DEADTIME184_PRIME	M, R	2006-184T07:44:47	GMB_E025_TITAN15+000T22:24:00	000T00:07:12	2006-184T07:51:59	ISS_NAC TO TITAN	NEG_X TO SUN
SP_025EA_DLTURN184_PRIME	C, M, R	2006-184T07:52:00		000T00:30:00	2006-184T08:22:00	XBAND TO EARTH	POS_X TO NEP
SP_025EA_M34ARRNON184_PRIME	C, M, R	2006-184T08:22:00		000T09:00:00	2006-184T17:22:00	XBAND TO EARTH	ROLLING
ISS_025TI_1X1PT140001_PRIME	M	2006-186T01:07:00		000T01:59:00	2006-186T03:06:00	ISS_NAC TO TITAN	NEG_X TO SUN
TOST REV 26 SEGMENT		2006-201T23:51:00		001T23:45:00	2006-203T23:36:00		
SP_026TI_WAYPTTURN201_PRIME	C, M	2006-201T23:51:00		000T00:30:00	2006-202T00:21:00	ISS_NAC TO TITAN	NEG_X TO SUN
NEW WAYPOINT		2006-202T00:21:00		002T00:24:00	2006-204T00:45:00	ISS_NAC TO TITAN	NEG_X TO SUN
SP_026NA_DEADTIME202_PRIME	M	2006-202T00:21:00		000T00:15:26	2006-202T00:36:26	ISS_NAC TO TITAN	NEG_X TO SUN
VIMS_026TI_GLOBALMAP001_PRIME	C, I, M	2006-202T00:36:26	GMB_E026_TITAN16-000T23:49:00	000T14:49:00	2006-202T15:25:26	VIMS_IR TO TITAN	NEG_X TO SUN
CIRS_026TI_MIRLMBINT002_PRIME	C, I, R, V	2006-202T15:25:26	GMB_E026_TITAN16-000T09:00:00	000T02:00:00	2006-202T17:25:26	CIRS_FPB TO TITAN	PIC
VIMS_026TI_HIRES001_PRIME	C, I, R	2006-202T17:25:26	GMB_E026_TITAN16-000T07:00:00	000T01:40:00	2006-202T19:05:26	VIMS_IR TO TITAN	NEG_X TO SUN
BEGIN CUSTOM		2006-202T19:05:26	GMB_E026_TITAN16-000T05:20:00	000T00:01:00	2006-202T19:06:26		
RADAR_026TI_T16RADIOM001_PRIME	M	2006-202T19:05:26	GMB_E026_TITAN16-000T05:20:00	000T03:36:00	2006-202T22:41:26	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Z TO TITAN (-8.053,87.245,0.0 DEG. OFFSET), NEG_Y TO NORTH_POLE_DIR. USE -Y TO NTP FOR THE 2ND POLARIZATION.
RADAR_026TI_T16INSCAT001_PRIME	M	2006-202T22:41:26	GMB_E026_TITAN16-000T01:44:00	000T00:52:00	2006-202T23:33:26	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR PICK UP AT NEG_Z TO TITAN (-8.053,87.245,0.0 DEG. OFFSET), NEG_Y TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR.
REDUCE WALKING DEADBAND FOR...		2006-202T23:28:26	GMB_E026_TITAN16-000T00:57:00	000T02:01:05	2006-203T01:29:31		
ENGR_026SC_RADRCS202_PPS	M	2006-202T23:33:26	GMB_E026_TITAN16-000T00:52:00	000T00:21:15	2006-202T23:54:41	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR PICK UP AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR. DEADBAND = (2, 2, 20)
RADAR_026TI_T16INALT001_PRIME	M	2006-202T23:55:26	GMB_E026_TITAN16-000T00:30:00	000T00:15:00	2006-203T00:10:26	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR PICK UP AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_026TI_T16INLRES001_PRIME	M	2006-203T00:10:26	GMB_E026_TITAN16-000T00:15:00	000T00:08:00	2006-203T00:18:26	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_026TI_T16HISAR001_PRIME	M	2006-203T00:18:26	GMB_E026_TITAN16-000T00:07:00	000T00:14:00	2006-203T00:32:26	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
26TI (T) T16 TITAN INBOUND...		2006-203T00:25:26		000T00:00:01	2006-203T00:25:27		
RADAR_026TI_T16OTLRES001_PRIME	M	2006-203T00:32:26	GMB_E026_TITAN16+000T00:07:00	000T00:08:00	2006-203T00:40:26	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_026TI_T16OTALT001_PRIME	M	2006-203T00:40:26	GMB_E026_TITAN16+000T00:15:00	000T00:15:00	2006-203T00:55:26	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM. HAND OFF AT -Z TO TITAN, -X TO TITAN_SC_RAM
SET DEADBAND TO (2, 2, 2) F...		2006-203T00:52:26	GMB_E026_TITAN16+000T00:27:00	000T00:00:01	2006-203T00:52:27		
UVIS_026ST_ALPVIR002_PRIME	M	2006-203T00:55:26	GMB_E026_TITAN16+000T00:30:00	000T00:08:00	2006-203T01:03:26	UVIS_FUV TO 201.298/-11.161 (0.258 POS_X TO 200.0/80.0	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT UVIS_FUV TO 201.298/-11.161 (0.258,0.0,0.0 DEG. OFFSET), POS_X TO 200.0/80.0. PICK UP AT -Z TO TI, -X TO TITAN SC RAM
1 UVIS REQUEST IN SASF		2006-203T01:03:26	GMB_E026_TITAN16+000T00:38:00	000T00:00:01	2006-203T01:03:27		
ENGR_026SC_DFPWBAS203_PPS	C, M, U	2006-203T01:03:26	GMB_E026_TITAN16+000T00:38:00	000T00:21:05	2006-203T01:24:31	UVIS_FUV TO 201.298/-11.161 (0.258 POS_X TO 200.0/80.0	PICK UP AT UVIS_FUV TO 201.298/-11.161 (0.258,0.0,0.0 DEG. OFFSET), POS_X TO 200.0/80.0; HAND OFF AT UVIS_FUV TO 201.298/-11.161 (0.258,0.0,0.0 DEG. OFFSET), POS_X TO 200.0/80.0.
UVIS_026ST_ALPVIR003_PRIME	C, M	2006-203T01:25:26	GMB_E026_TITAN16+000T01:00:00	000T00:15:00	2006-203T01:40:26	UVIS_FUV TO 201.298/-11.161 (0.258 POS_X TO 200.0/80.0	PICK UP AT UVIS_FUV TO 201.298/-11.161 (0.258,0.0,0.0 DEG. OFFSET), POS_X TO 200.0/80.0; HAND OFF AT ISS_NAC TO 201.298/-11.161, POS_X TO 200.0/80.0. PICK UP AT -Z TO TI, -X TO TITAN SC RAM

CIRS_026TI_FIRLMBINT003_PRIME	C, I, M, V	2006-203T01:40:26	GMB_E026_TITAN16+000T01:15:00	000T01:00:00	2006-203T02:40:26	CIRS_FP1 TO TITAN	PIC	PICK UP AT ISS_NAC TO 201.298/-11.161, POS_X TO 200.0/80.0; HAND OFF AT ISS_NAC TO TITAN, PIC. PICK UP AT ISS_NAC TO SPICA (201.298/-11.161), POS_X TO 200.0/80.0 LEAVE OFF AT WAYPOINT
CIRS_026TI_FIRNADMAP003_PRIME	C, I, V	2006-203T02:40:26	GMB_E026_TITAN16+000T02:15:00	000T02:45:00	2006-203T05:25:26	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT ISS_NAC TO TITAN, PIC; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN.
CIRS_026TI_MIRLMBMAP003_PRIME	C, I, V	2006-203T05:25:26	GMB_E026_TITAN16+000T05:00:00	000T02:15:00	2006-203T07:40:26	CIRS_FP1 TO TITAN	PIC	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN. HAND OFF AT WAYPOINT
END CUSTOM		2006-203T07:40:26	GMB_E026_TITAN16+000T07:15:00	000T00:01:00	2006-203T07:41:26			
VIMS_026TI_CLOUDMAP001_PRIME	C, I, R	2006-203T07:40:26	GMB_E026_TITAN16+000T07:15:00	000T05:34:00	2006-203T13:14:26	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_026NA_DEADTIME203_PRIME	C, R	2006-203T13:14:26	GMB_E026_TITAN16+000T12:49:00	000T00:15:33	2006-203T13:29:59	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_026EA_DLTURN203_PRIME	C, R	2006-203T13:30:00		000T00:30:00	2006-203T14:00:00	XBAND TO EARTH	POS_X TO NEP	
SP_026EA_G70ARRNON203_PRIME	C, R	2006-203T14:00:00		000T09:36:00	2006-203T23:36:00	XBAND TO EARTH	ROLLING/SRU	SLOW ROLL WE ARE REQUESTING LEVEL-2 SUPPORT FROM THE DSN FOR THIS DOWNLINK.
RADAR_026TI_NORTH7CAL001_PRIME		2006-215T03:05:00		000T02:30:00	2006-215T05:35:00	NEG_Z TO TITAN	POS_X TO NTP	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
SP_027TI_WAYPTTURN225_PRIME		2006-225T00:00:00		000T00:30:00	2006-225T00:30:00	NEG_Z TO TITAN	POS_X TO NSP	
RADAR_027TI_PHASE4CAL001_PRIME	C, R	2006-225T11:05:00		000T01:40:00	2006-225T12:45:00	NEG_Z TO TITAN	POS_X TO NSP	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
ISS_027TI_1X1PT140001_PRIME	M, R	2006-233T11:06:00		000T01:30:00	2006-233T12:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_027TI_WAYPTTURN234_PRIME	M	2006-234T14:36:00		000T00:30:00	2006-234T15:06:00	NEG_Z TO TITAN	POS_Y TO NORTH_POLE_DIR	SP TURN TO WAYPOINT
RADAR_027TI_NORTH5CAL002_PRIME	M	2006-234T18:06:00		000T02:37:00	2006-234T20:43:00	NEG_Z TO TITAN	POS_Y TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
ISS_028TI_1X1PT140001_PRIME	M	2006-248T10:30:00		000T01:00:00	2006-248T11:30:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TOST REV 28 SEGMENT		2006-249T21:06:00		002T00:00:00	2006-251T21:06:00			
SP_028TI_WAYPTTURN249_PRIME	M	2006-249T21:06:00		000T00:30:00	2006-249T21:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	SP TURN TO WAYPOINT
NEW WAYPOINT		2006-249T21:36:00		001T23:55:00	2006-251T21:31:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_028TI_DEADTIME249_PRIME	M	2006-249T21:36:00		000T00:20:51	2006-249T21:56:51	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_028TI_MIDIRTMAP006_PRIME	C, I, M, V	2006-249T21:56:51	GMB_E028_TITAN17-000T22:20:00	000T07:20:00	2006-250T05:16:51	CIRS_FP1 TO TITAN (-0.346,0.0,-0.571)	POS_X TO NORTH_POLE_DIR	
ISS_028TI_NIGHTNAC001_PRIME	C, V	2006-250T05:16:51	GMB_E028_TITAN17-000T15:00:00	000T01:00:00	2006-250T06:16:51	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_028TI_FIRNADCMP003_PRIME	C, I, U, V	2006-250T06:16:51	GMB_E028_TITAN17-000T14:00:00	000T06:00:00	2006-250T12:16:51	CIRS_FP1 TO TITAN	PIC	
ISS_028TI_PHOTOMWAC001_PRIME	C, V	2006-250T12:16:51	GMB_E028_TITAN17-000T08:00:00	000T00:30:00	2006-250T12:46:51	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_028TI_EUVFUV001_PRIME	C, I, V	2006-250T12:46:51	GMB_E028_TITAN17-000T07:30:00	000T04:45:00	2006-250T17:31:51	ISS_NAC TO TITAN	NEG_X TO SUN	
ENGR_028SC_ORSRCS250_PPS		2006-250T17:31:51	GMB_E028_TITAN17-000T02:45:00	000T00:20:51	2006-250T17:52:42	ISS_NAC TO TITAN	NEG_X TO SUN	DEADBAND=(0.5,20.0,0.5)
BEGIN CUSTOM PERIOD		2006-250T17:52:51	GMB_E028_TITAN17-000T02:24:00	000T00:01:00	2006-250T17:53:51			
CIRS_028TI_FIRLMBINT002_PRIME	C, I, M, U, V	2006-250T17:52:51	GMB_E028_TITAN17-000T02:24:00	000T01:00:00	2006-250T18:52:51	CIRS_FP1 TO TITAN	PIC	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_028TI_FIRLMBAR002_PRIME	C, I, M, R, U	2006-250T18:52:51	GMB_E028_TITAN17-000T01:24:00	000T00:39:00	2006-250T19:31:51	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_028TI_FIRLMBT002_PRIME	C, I, M, R, V	2006-250T19:31:51	GMB_E028_TITAN17-000T00:45:00	000T00:30:00	2006-250T20:01:51	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT VIMS_IR TO 101.287/-16.716, NEG_X TO TITAN_SC_RAM.
VIMS_028TI_STAROCC001_PRIME	M, R	2006-250T20:01:51	GMB_E028_TITAN17-000T00:15:00	000T00:07:00	2006-250T20:08:51	VIMS_IR TO 101.287/-16.716	NEG_X TO TITAN_SC_RAM	PICK UP AT VIMS_IR TO 101.287/-16.716, NEG_X TO TITAN_SC_RAM; HAND OFF AT VIMS_IR TO 101.287/-16.716, NEG_X TO TITAN_SC_RAM.
INMS_028TI_T17RMPNT002_PRIME	M, R	2006-250T20:08:51	GMB_E028_TITAN17-000T00:08:00	000T00:27:05	2006-250T20:35:56	NEG_X TO TITAN_SC_RAM	NEG_Y TO 101.287/-16.716	PICK UP AT VIMS_IR TO 101.287/-16.716, NEG_X TO TITAN_SC_RAM; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN. TO/FROM RADAR SAR.

28TI (T) T17 TITAN INBOUND...		2006-250T20:16:51		000T00:00:01	2006-250T20:16:52			
END CUSTOM PERIOD		2006-250T20:31:09		000T00:00:01	2006-250T20:31:10			
ENGR_028SC_DFPWBIAS250_PPS	I, M, U	2006-250T20:35:59	GMB_E028_TITAN17+000T00:19:08	000T00:21:09	2006-250T20:57:08	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_028TI_HIGHRESNA001_PRIME	C, I, M, U, V	2006-250T20:57:08	GMB_E028_TITAN17+000T00:40:17	000T01:19:43	2006-250T22:16:51	VIMS_IR TO TITAN	NEG_X TO SUN	
ISS_028TI_REGMAPNA001_PRIME	C, U, V	2006-250T22:16:51	GMB_E028_TITAN17+000T02:00:00	000T02:00:00	2006-251T00:16:51	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_028TI_GLOBMAPNA001_PRIME	C, U, V	2006-251T00:16:51	GMB_E028_TITAN17+000T04:00:00	000T03:00:00	2006-251T03:16:51	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_028TI_MONITORNA001_PRIME	C, U, V	2006-251T03:16:51	GMB_E028_TITAN17+000T07:00:00	000T03:00:00	2006-251T06:16:51	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_028TI_PHOTOMETR002_PRIME	C, I, R	2006-251T06:16:51	GMB_E028_TITAN17+000T10:00:00	000T03:38:00	2006-251T09:54:51	VIMS_IR TO TITAN	NEG_X TO SUN	
SP_028TI_DEADTIME251_PRIME	R	2006-251T09:54:51	GMB_E028_TITAN17+000T13:38:00	000T00:11:09	2006-251T10:06:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_028EA_DLTURN251_PRIME	R	2006-251T10:06:00		000T00:30:00	2006-251T10:36:00	XBAND TO EARTH	NEG_X TO NEP	SP TURN TO EARTH
SP_028EA_G70METNON251_PRIME	C, R	2006-251T10:36:00		000T10:30:00	2006-251T21:06:00	XBAND TO EARTH	ROLLING	STOP ROLLING AT 18:41:38 (6120 DEGREES) DUE TO SRU PROBLEM
ISS_029TI_1X1PT140001_PRIME	M, R	2006-264T04:45:00		000T01:00:00	2006-264T05:45:00	ISS_NAC TO TITAN	NEG_X TO SUN	
RADAR_029TI_NORTH7CAL001_PRIME	M	2006-264T07:45:00		000T01:00:00	2006-264T08:45:00	NEG_Z TO TITAN (-0.25,-1.6,-33.0 DEG	NEG_X TO SUN	USE -X SUN AS A SECONDARY IF POSSIBLE.
RADAR_029TI_NORTHSCAT001_PRIME	M	2006-264T08:45:00		000T01:00:00	2006-264T09:45:00	NEG_Z TO 10.0/0.0	NEG_X TO SUN	USE -X SUN AS A SECONDARY IF POSSIBLE.
CIRS_029TI_TEMPMP009_PRIME	M	2006-265T03:30:00		000T07:00:00	2006-265T10:30:00	CIRS_FP1 TO TITAN (2.876,0.0,9.971 I POS_X TO NSP		
TOST REV 29 SEGMENT		2006-265T20:07:00		001T23:53:00	2006-267T20:00:00			
SP_029TI_WAYPTTURN265_PRIME	M	2006-265T20:07:00		000T00:30:00	2006-265T20:37:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2006-265T20:37:00		001T10:53:00	2006-267T07:30:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_029TI_DEADTIME265_PRIME	M	2006-265T20:37:00		000T00:21:49	2006-265T20:58:49	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_029TI_MIDIRTMAP004_PRIME	C, I, M, V	2006-265T20:58:49	GMB_E029_TITAN18-000T22:00:00	000T07:00:00	2006-266T03:58:49	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_029TI_NIGHTNAC001_PRIME	C, V	2006-266T03:58:49	GMB_E029_TITAN18-000T15:00:00	000T01:00:00	2006-266T04:58:49	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_029TI_FIRNADCMP003_PRIME	C, I, V	2006-266T04:58:49	GMB_E029_TITAN18-000T14:00:00	000T05:30:00	2006-266T10:28:49	CIRS_FP1 TO TITAN	PIC	
ISS_029TI_PHOTOMWAC001_PRIME	C, V	2006-266T10:28:49	GMB_E029_TITAN18-000T08:30:00	000T01:00:00	2006-266T11:28:49	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_029TI_EUVFUV001_PRIME	C, I, V	2006-266T11:28:49	GMB_E029_TITAN18-000T07:30:00	000T04:30:00	2006-266T15:58:49	UVIS_FUV TO TITAN	NEG_X TO SUN	
ISS_029TI_NIGHTWAC001_PRIME	C, V	2006-266T15:58:49	GMB_E029_TITAN18-000T03:00:00	000T01:00:00	2006-266T16:58:49	ISS_NAC TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2006-266T16:58:49	GMB_E029_TITAN18-000T02:00:00	000T00:00:01	2006-266T16:58:50			
CIRS_029TI_FIRLMBINT003_PRIME	C, I, M, R, V	2006-266T16:58:49	GMB_E029_TITAN18-000T02:00:00	000T01:15:00	2006-266T18:13:49	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT CIRS_FP1 TO TITAN, PIC. HANDOFF IS ACTUALLY FP1 TO LAT_VIEW(30N, 90DEG, RHS, 125 KM)+Z PERPENDICULAR TO LIMB (FOV_LIMB).
ENGR_029SC_RADRCS266_PPS	C, M, R	2006-266T18:13:49	GMB_E029_TITAN18-000T00:45:00	000T00:20:50	2006-266T18:34:39	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC. HANDOFF IS ACTUALLY FP1 TO LAT_VIEW(30N, 90DEG, RHS, 125 KM)+Z PERPENDICULAR TO LIMB (FOV_LIMB). DB=(2,2,20)
INMS_029TI_T18RMPNT001_PRIME	M, R	2006-266T18:35:49	GMB_E029_TITAN18-000T00:23:00	000T00:46:00	2006-266T19:21:49	NEG_X TO SC_RAM	NEG_Z TO TITAN	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT VIMS_IR TO TITAN, NEG_X TO SUN. PICKUP IS ACTUALLY FP1 TO LAT_VIEW(30N, 90DEG, RHS, 125 KM)+Z PERPENDICULAR TO LIMB (FOV_LIMB)
29TI (T) T18 TITAN INBOUND...		2006-266T18:58:49		000T00:00:01	2006-266T18:58:50			
ENGR_029SC_DFPWBIAS266_PPS	C, M, V	2006-266T19:21:49	GMB_E029_TITAN18+000T00:23:00	000T00:21:06	2006-266T19:42:55	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT VIMS_IR TO TITAN, NEG_X TO SUN; HAND OFF AT VIMS_IR TO TITAN, NEG_X TO SUN.
VIMS_029TI_COMPMP001_PRIME	C, I, M	2006-266T19:43:49	GMB_E029_TITAN18+000T00:45:00	000T08:51:00	2006-267T04:34:49	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT VIMS_IR TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
VIMS_029TI_COMPMP006_PRIME	C, I	2006-267T04:34:49	GMB_E029_TITAN18+000T09:36:00	000T00:15:00	2006-267T04:49:49	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT UNKNOWN, UNKNOWN; HAND OFF AT UNKNOWN, UNKNOWN.
END CUSTOM PERIOD		2006-267T04:51:49		000T00:00:01	2006-267T04:51:50			
ISS_029TI_MONITOR001_PRIME	C	2006-267T04:51:49	GMB_E029_TITAN18+000T09:53:00	000T01:53:11	2006-267T06:45:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_029TI_DEADTIME267_PRIME		2006-267T06:45:00	GMB_E029_TITAN18+000T11:46:11	000T00:15:00	2006-267T07:00:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_029TI_WAYPTTURN267_PRIME		2006-267T07:00:00		000T00:30:00	2006-267T07:30:00	CIRS_FP1 TO SATURN	POS_Z TO NSP	
NEW WAYPOINT		2006-267T07:30:00		000T13:00:00	2006-267T20:30:00	CIRS_FP1 TO SATURN	POS_Z TO NSP	
CIRS_029RI_TEMPL10HP001_PRIME	C	2006-267T07:30:00		000T02:40:00	2006-267T10:10:00	CIRS_FP1 TO RINGS	POS_Z TO NORTH_POLE_DIR	
SP_029EA_DLTURN267_PRIME		2006-267T10:10:00		000T00:20:00	2006-267T10:30:00	XBAND TO EARTH	NEG_X TO NSP	
SP_029EA_G70ARRNON267_PRIME	C	2006-267T10:30:00		000T09:30:00	2006-267T20:00:00	XBAND TO EARTH	ROLLING/SRU	

VIMS_031TI_HIGHRESNA101_PRIME	C, I, M	2006-298T16:40:07	GMB_E031_TITAN20+000T00:42:00	000T01:18:00	2006-298T17:58:07	VIMS_IR TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_031TI_REGMAPNA101_PRIME	C, M	2006-298T17:58:07	GMB_E031_TITAN20+000T02:00:00	000T02:30:00	2006-298T20:28:07	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_031TI_MIRLMBMAP004_PRIME	C, I, M, V	2006-298T20:28:07	GMB_E031_TITAN20+000T04:30:00	000T03:00:00	2006-298T23:28:07	CIRS_FPFB TO TITAN	PIC	
VIMS_031TI_DARKSIDE001_PRIME	C, I, M	2006-298T23:28:07	GMB_E031_TITAN20+000T07:30:00	000T00:30:00	2006-298T23:58:07	VIMS_IR TO TITAN	POS_X TO NORTH_POLE_DIR	
VIMS_031TI_COMPMPA001_PRIME	C, I, M, U	2006-298T23:58:07	GMB_E031_TITAN20+000T08:00:00	000T02:30:00	2006-299T02:28:07	VIMS_IR TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_031TI_DEADTIME299_PRIME	M	2006-299T02:28:07	GMB_E031_TITAN20+000T10:30:00	000T00:08:53	2006-299T02:37:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_031EA_DLTURN299_PRIME	M	2006-299T02:37:00		000T00:30:00	2006-299T03:07:00	XBAND TO EARTH	NEG_X TO NEP	SP TURN TO EARTH
SP_031EA_M34BWGNON299_PRIME	M	2006-299T03:07:00		000T04:49:00	2006-299T07:56:00	XBAND TO EARTH	ROLLING	
SP_031EA_G70METNON299_PRIME	C, M	2006-299T07:56:00		000T05:30:00	2006-299T13:26:00	XBAND TO EARTH	NEG_X TO NEP	
RADAR_032TI_NORTH6CAL001_PRIME	C	2006-308T21:12:00		000T01:30:00	2006-308T22:42:00	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
RADAR_032TI_LONG4CAL001_PRIME	C	2006-310T20:30:00		000T01:30:00	2006-310T22:00:00	NEG_Z TO TITAN	PIC	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
RADAR_032TI_NORTH4CAL001_PRIME	C	2006-317T21:14:00		000T01:00:00	2006-317T22:14:00	NEG_Z TO TITAN	PIC	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
SP_033TI_WAYPTTURN328_PRIME		2006-328T16:36:00		000T01:39:00	2006-328T18:15:00	ISS_NAC TO TITAN	NEG_Z TO NEP	
CIRS_033TI_COMPMPA009_PRIME	M, R	2006-328T18:15:00		000T10:45:00	2006-329T05:00:00	CIRS_FPFB TO TITAN	NEG_Z TO NEP	
RADAR_033TI_NORTH1CAL001_PRIME		2006-329T05:00:00		000T02:00:00	2006-329T07:00:00	NEG_Z TO TITAN	NEG_X TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
NAV_035TI_WAYPTTURN441_PRIME	M	2006-344T17:01:00		000T00:01:00	2006-344T17:02:00	ISS_NAC TO TITAN	POS_Z TO NSP	
CIRS_035TI_COMPMPA010_PRIME	M	2006-344T19:17:00		000T10:30:00	2006-345T05:47:00	CIRS_FPFB TO TITAN	POS_Z TO NORTH_POLE_DIR	
TOST REV 35 SEGMENT		2006-345T15:17:00		001T21:01:00	2006-347T12:18:00			
SP_035TI_WAYPTTURN345_PRIME		2006-345T15:17:00		000T00:30:00	2006-345T15:47:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2006-345T15:47:00		001T21:01:00	2006-347T12:48:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_035TI_DEADTIME345_PRIME		2006-345T15:47:00		000T00:21:31	2006-345T16:08:31	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_035TI_MIDIRTMAP006_PRIME	C, I, V	2006-345T16:08:31	GMB_E035_TITAN21-000T19:33:00	000T04:03:00	2006-345T20:11:31	CIRS_FPFB TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_035TI_NIGHTNAC001_PRIME	C, I, V	2006-345T20:11:31	GMB_E035_TITAN21-000T15:30:00	000T01:00:00	2006-345T21:11:31	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_035TI_FIRNADCMP003_PRIME	C, I, V	2006-345T21:11:31	GMB_E035_TITAN21-000T14:30:00	000T05:30:00	2006-346T02:41:31	CIRS_FP1 TO TITAN	PIC	
CIRS_035TI_MIRLMBINT004_PRIME	C, I, V	2006-346T02:41:31	GMB_E035_TITAN21-000T09:00:00	000T01:30:00	2006-346T04:11:31	CIRS_FPFB TO TITAN	PIC	
UVIS_035TI_EUVFUV001_PRIME	C, I, R, V	2006-346T04:11:31	GMB_E035_TITAN21-000T07:30:00	000T05:00:00	2006-346T09:11:31	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_035TI_NIGHTWAC001_PRIME	C, M, R, V	2006-346T09:11:31	GMB_E035_TITAN21-000T02:30:00	000T01:20:00	2006-346T10:31:31	ISS_NAC TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2006-346T10:31:31	GMB_E035_TITAN21-000T01:10:00	000T00:00:01	2006-346T10:31:32			
UVIS_035ST_ALPERIO02_PRIME	C, M, R	2006-346T10:31:31	GMB_E035_TITAN21-000T01:10:00	000T00:26:00	2006-346T10:57:31	UVIS_FUV TO 24.429/-57.237 (0.258, 0 DEG. OFFSET), NEG_X TO SUN		PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT UVIS_FUV TO 24.429/-57.237 (0.258, 0.0, 0.0 DEG. OFFSET), NEG_X TO SUN.
ENGR_035SC_RADRCS346_PPS	C, M, R, U	2006-346T10:57:31	GMB_E035_TITAN21-000T00:44:00	000T00:20:50	2006-346T11:18:21			PICK UP AT UVIS_FUV TO 24.429/-57.237 (0.258, 0.0, 0.0 DEG. OFFSET), NEG_X TO SUN; HAND OFF AT UVIS_FUV TO 24.429/-57.237 (0.258, 0.0, 0.0 DEG. OFFSET), NEG_X TO SUN. DEADBAND = (2.0, 2.0, 20.0)
INMS_035TI_T21RMPNT001_PRIME	M, R	2006-346T11:18:31	GMB_E035_TITAN21-000T00:23:00	000T00:23:00	2006-346T11:41:31	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT UVIS_FUV TO 24.429/-57.237 (0.258, 0.0, 0.0 DEG. OFFSET), NEG_X TO SUN; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN.
35TI (T) T21 TITAN INBOUND...		2006-346T11:41:31		000T00:00:01	2006-346T11:41:32			
RADAR_035TI_T21OTHSAR001_PRIME	M	2006-346T11:41:31	GMB_E035_TITAN21+000T00:00:00	000T00:07:00	2006-346T11:48:31	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_035TI_T21OTLSAR001_PRIME	M	2006-346T11:48:31	GMB_E035_TITAN21+000T00:07:00	000T00:08:00	2006-346T11:56:31	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.

RADAR_035TI_T21OUTALT001_PRIME	M	2006-346T11:56:31	GMB_E035_TITAN21+000T00:15:00	000T00:15:00	2006-346T12:11:31	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR.
ENGR_035SC_RADRWBIAS346_PPS	M	2006-346T12:11:31	GMB_E035_TITAN21+000T00:30:00	000T00:21:41	2006-346T12:33:12			PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR.
RADAR_035TI_T21OTSCAT001_PRIME	M	2006-346T12:33:31	GMB_E035_TITAN21+000T00:52:00	000T00:45:00	2006-346T13:18:31	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR.
RADAR_035TI_T21OUTRAD001_PRIME	C, M	2006-346T13:18:31	GMB_E035_TITAN21+000T01:37:00	000T02:23:00	2006-346T15:41:31	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN. START 2ND POLARIZATION +Y TO NTP AS LATE AS POSSIBLE FOR CAPS.
END CUSTOM PERIOD		2006-346T15:41:31	GMB_E035_TITAN21+000T04:00:00	000T00:00:01	2006-346T15:41:32			
ISS_035TI_GLOBMAPNA001_PRIME	C, V	2006-346T15:41:31	GMB_E035_TITAN21+000T04:00:00	000T03:00:00	2006-346T18:41:31	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_035TI_MIRLMBINT003_PRIME	C, I, V	2006-346T18:41:31	GMB_E035_TITAN21+000T07:00:00	000T02:00:00	2006-346T20:41:31	CIRS_FPB TO TITAN	PIC	
ISS_035TI_MONITRONA001_PRIME	C, V	2006-346T20:41:31	GMB_E035_TITAN21+000T09:00:00	000T01:28:00	2006-346T22:09:31	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_035TI_FIRNADCMP023_PRIME	I, M, U	2006-346T22:09:31	GMB_E035_TITAN21+000T10:28:00	000T03:00:00	2006-347T01:09:31	CIRS_FP1 TO TITAN	NEG_Z TO NSP	
SP_035TI_DEADTIME346_PRIME	M	2006-347T01:09:31	GMB_E035_TITAN21+000T13:28:00	000T00:05:29	2006-347T01:15:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_035EA_DLTURN346_PRIME	M	2006-347T01:15:00		000T00:21:00	2006-347T01:36:00	XBAND TO EARTH	NEG_X TO NEP	
SP_035EA_M34HEFNON346_PRIME	C, M	2006-347T01:36:00		000T03:32:00	2006-347T05:08:00	XBAND TO EARTH	5_HR_ROLLING	
SP_035EA_G70METNON347_PRIME	C, M	2006-347T05:08:00		000T07:10:00	2006-347T12:18:00	XBAND TO EARTH	NEG_X TO NEP	
SP_036TI_WAYPTTURN359_PRIME	M	2006-359T14:34:00		000T00:30:00	2006-359T15:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	SP TURN TO WAYPOINT
ISS_036TI_1X1PT140001_PRIME	M	2006-359T15:04:00		000T01:00:00	2006-359T16:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_036TI_WAYPTTURN360_PRIME		2006-360T14:19:00		000T00:30:00	2006-360T14:49:00	ISS_NAC TO TITAN	POS_Z TO NORTH_POLE_DIR	
CIRS_036TI_COMPMAPO24_PRIME	R	2006-360T19:49:00		000T09:00:00	2006-361T04:49:00	CIRS_FPB TO TITAN	POS_Z TO NORTH_POLE_DIR	
TOST REV 36 SEGMENT		2006-361T14:19:00		001T16:30:00	2006-363T06:49:00			
SP_036TI_WAYPTTURN361_PRIME		2006-361T14:19:00		000T00:30:00	2006-361T14:49:00	ISS_NAC TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2006-361T14:49:00		001T16:30:00	2006-363T07:19:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_036NA_DEADTIME361_PRIME		2006-361T14:49:00		000T00:15:13	2006-361T15:04:13	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_036TI_MDIRTMAP006_PRIME	C, I	2006-361T15:04:22	GMB_E036_TITAN22-000T19:01:00	000T05:01:00	2006-361T20:05:22	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_036TI_FIRNADCMP003_PRIME	C, I, R, U, V	2006-361T20:05:22	GMB_E036_TITAN22-000T14:00:00	000T05:30:00	2006-362T01:35:22	CIRS_FP1 TO TITAN	NEG_X TO SUN	
RSS_036TI_GRAVITY001_PRIME	C, R	2006-362T01:35:22	GMB_E036_TITAN22-000T08:30:00	000T03:00:00	2006-362T04:35:22	XBAND TO EARTH	NEG_X TO NEP	IN CASE OF SRU VIOLATIONS: "...IF IT IS NOT POSSIBLE TO SUSPEND STAR ID, WE WILL BE FORCED TO RETURN TO THE MAPS-UNFRIENDLY - X TO SUN 2ND AXIS, WHICH WE KNOW TO BE SRU-SAFE."
CIRS_036TI_FIRNADMAP002_PRIME	C, I, R, U, V	2006-362T04:35:22	GMB_E036_TITAN22-000T05:30:00	000T03:00:00	2006-362T07:35:22	CIRS_FP1 TO TITAN	NEG_X TO SUN	
RSS_036TI_GRAVITY002_PRIME	C, M, R	2006-362T07:35:22	GMB_E036_TITAN22-000T02:30:00	000T04:00:00	2006-362T11:35:22	XBAND TO EARTH	NEG_X TO SUN	IN CASE OF SRU VIOLATIONS: "...IF IT IS NOT POSSIBLE TO SUSPEND STAR ID, WE WILL BE FORCED TO RETURN TO THE MAPS-UNFRIENDLY - X TO SUN 2ND AXIS, WHICH WE KNOW TO BE SRU-SAFE."
36TI (T) T22 TITAN INBOUND...		2006-362T10:05:22		000T00:00:01	2006-362T10:05:23			
ISS_036TI_REGMAPNA001_PRIME	C, M, U, V	2006-362T11:35:22	GMB_E036_TITAN22+000T01:30:00	000T02:00:00	2006-362T13:35:22	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_036TI_FIRNADMAP003_PRIME	C, I, R, U, V	2006-362T13:35:22	GMB_E036_TITAN22+000T03:30:00	000T02:00:00	2006-362T15:35:22	CIRS_FP1 TO TITAN	NEG_X TO SUN	
RSS_036TI_GRAVITY003_PRIME	C, R	2006-362T15:35:22	GMB_E036_TITAN22+000T05:30:00	000T03:00:00	2006-362T18:35:22	XBAND TO EARTH	NEG_X TO NEP	IN CASE OF SRU VIOLATIONS: "...IF IT IS NOT POSSIBLE TO SUSPEND STAR ID, WE WILL BE FORCED TO RETURN TO THE MAPS-UNFRIENDLY - X TO SUN 2ND AXIS, WHICH WE KNOW TO BE SRU-SAFE."
CIRS_036TI_FIRNADCMP002_PRIME	C, I, R, U, V	2006-362T18:35:22	GMB_E036_TITAN22+000T08:30:00	000T02:30:00	2006-362T21:05:22	CIRS_FP1 TO TITAN	NEG_X TO SUN	
SP_036NA_DEADTIME362_PRIME	R	2006-362T21:05:22	GMB_E036_TITAN22+000T11:00:00	000T00:13:38	2006-362T21:19:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_036EA_DLTURN362_PRIME	R	2006-362T21:19:00		000T00:30:00	2006-362T21:49:00	XBAND TO EARTH	NEG_Y TO TITAN	
SP_036EA_M34BWGNON362_PRIME	C, R	2006-362T21:49:00		000T06:05:00	2006-363T03:54:00	XBAND TO EARTH	NEG_Y TO TITAN	
SP_036EA_G70METNON363_PRIME	C, E, R	2006-363T03:54:00		000T02:55:00	2006-363T06:49:00	XBAND TO EARTH	NEG_Y TO TITAN	
ISS_036TI_1X1PT90001_PRIME	C, M	2006-365T01:30:00		000T01:00:00	2006-365T02:30:00	ISS_NAC TO TITAN	NEG_X TO SUN	

ISS_037TI_1X1PT120001_PRIME	C	2007-010T14:50:00		000T01:00:00	2007-010T15:50:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_037TI_WAYPTTURN011_PRIME		2007-011T13:21:00		000T00:30:00	2007-011T13:51:00	ISS_NAC TO TITAN	POS_Z TO NSP	
CIRS_037TI_COMPMAPO26_PRIME	R	2007-011T16:13:00		000T09:51:00	2007-012T02:04:00	CIRS_FPB TO TITAN	POS_Z TO NEP	
RADAR_037TI_NORTH3CAL001_PRIME		2007-012T02:04:00		000T01:00:00	2007-012T03:04:00	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	
RADAR_037TI_NORTHSCAT001_PRIME		2007-012T03:04:00		000T01:00:00	2007-012T04:04:00	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	
TOST REV 37 SEGMENT		2007-012T13:34:00		002T00:00:00	2007-014T13:34:00			
SP_037TI_WAYPTTURN012_PRIME		2007-012T13:34:00		000T00:30:00	2007-012T14:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	SP TURN TO WAYPOINT
NEW WAYPOINT		2007-012T14:04:00		002T00:00:00	2007-014T14:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_037TI_DEADTIME012_PRIME		2007-012T14:04:00		000T00:19:31	2007-012T14:23:31	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_037TI_MIDIRTMAP001_PRIME	C, I, V	2007-012T14:23:31	GMB_E037_TITAN23-000T18:15:00	000T02:15:00	2007-012T16:38:31	CIRS_FPB TO TITAN	NEG_X TO SUN	
ISS_037TI_NIGHTNAC001_PRIME	C, U, V	2007-012T16:38:31	GMB_E037_TITAN23-000T16:00:00	000T01:00:00	2007-012T17:38:31	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_037TI_MIDIRTMAP002_PRIME	C, I, V	2007-012T17:38:31	GMB_E037_TITAN23-000T15:00:00	000T02:00:00	2007-012T19:38:31	CIRS_FPB TO TITAN	NEG_X TO SUN	
CIRS_037TI_FIRNADCMP001_PRIME	C, I, U, V	2007-012T19:38:31	GMB_E037_TITAN23-000T13:00:00	000T03:00:00	2007-012T22:38:31	CIRS_FP1 TO TITAN	PIC	
ISS_037TI_PHOTOMWAC001_PRIME	C, V	2007-012T22:38:31	GMB_E037_TITAN23-000T10:00:00	000T01:00:00	2007-012T23:38:31	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_037TI_MIRLMBINT001_PRIME	C, I, R, U, V	2007-012T23:38:31	GMB_E037_TITAN23-000T09:00:00	000T04:00:00	2007-013T03:38:31	CIRS_FPB TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2007-013T03:38:31	GMB_E037_TITAN23-000T05:00:00	000T00:01:00	2007-013T03:39:31	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
RADAR_037TI_T23INRAD001_PRIME	M	2007-013T03:38:31	GMB_E037_TITAN23-000T05:00:00	000T03:45:00	2007-013T07:23:31	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR. PICK UP FROM THE WAYPOINT. USE NEG_Y TO NTP FOR THE 2ND POLARIZATION.
RADAR_037TI_T23INSCAT001_PRIME	M	2007-013T07:23:31	GMB_E037_TITAN23-000T01:15:00	000T00:23:00	2007-013T07:46:31	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR.
ENGR_037SC_RADRC013_PPS	M	2007-013T07:46:31	GMB_E037_TITAN23-000T00:52:00	000T00:21:13	2007-013T08:07:44	NEG_Z TO TITAN	NEG_Y TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR. DEADBAND = (0.5,0.5,2.0)
RADAR_037TI_T23INALT001_PRIME	M	2007-013T08:08:31	GMB_E037_TITAN23-000T00:30:00	000T00:15:00	2007-013T08:23:31	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_037TI_T23INLSAR001_PRIME	M	2007-013T08:23:31	GMB_E037_TITAN23-000T00:15:00	000T00:08:00	2007-013T08:31:31	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_037TI_T23HISAR001_PRIME	M	2007-013T08:31:31	GMB_E037_TITAN23-000T00:07:00	000T00:14:00	2007-013T08:45:31	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
37TI (T) T23 TITAN INBOUND...		2007-013T08:38:31		000T00:00:01	2007-013T08:38:32			
RADAR_037TI_T23OTLSAR001_PRIME	M	2007-013T08:45:31	GMB_E037_TITAN23+000T00:07:00	000T00:08:00	2007-013T08:53:31	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_037TI_T23OUTALT001_PRIME	M	2007-013T08:53:31	GMB_E037_TITAN23+000T00:15:00	000T00:15:00	2007-013T09:08:31	NEG_Z TO TITAN (0.0,0.0,-5.0 DEG. OFI	POS_X TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_Y TO NORTH_POLE_DIR.
RADAR_037TI_T23OTSCAT001_PRIME	M	2007-013T09:08:31	GMB_E037_TITAN23+000T00:30:00	000T00:29:00	2007-013T09:37:31	NEG_Z TO TITAN	POS_Y TO NORTH_POLE_DIR	PICK UP AT NEG_Z TO TITAN, POS_Y TO NORTH_POLE_DIR; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP.
CHANGE DEADBAND TO (0.5,2.0...		2007-013T09:36:31	GMB_E037_TITAN23+000T00:58:00	000T00:00:01	2007-013T09:36:32			
ENGR_037SC_RADRWBIAS013_PPS	C, M, U	2007-013T09:37:31	GMB_E037_TITAN23+000T00:59:00	000T00:23:18	2007-013T10:00:49	UVIS_FUV TO 206.885/49.313 (0.082, NEG_Z TO NTP		PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP. DEADBAND = (0.5,2.0,0.5)
UVIS_037ST_ETAU002_PRIME	C, M	2007-013T10:00:49	GMB_E037_TITAN23+000T01:22:18	000T00:13:42	2007-013T10:14:31	UVIS_FUV TO 206.885/49.313 (0.082, NEG_Z TO NTP		PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP.

RADAR_037TI_T23OUTRAD001_PRIME	M	2007-013T10:14:31	GMB_E037_TITAN23+000T01:36:00	000T03:24:00	2007-013T13:38:31	NEG_Z TO TITAN	POS_Y TO NORTH_POLE_DIR	PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0,0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN. USE ZND AXIS AS +Y_NTP AND +X_NTP FOR THE TWO POLARIZATIONS.
END CUSTOM PERIOD		2007-013T13:38:31	GMB_E037_TITAN23+000T05:00:00	000T00:01:00	2007-013T13:39:31	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_037TI_GLOBMAP001_PRIME	C, U, V	2007-013T13:38:31	GMB_E037_TITAN23+000T05:00:00	000T04:00:00	2007-013T17:38:31	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_037TI_FIRNADCMPO02_PRIME	C, I, V	2007-013T17:38:31	GMB_E037_TITAN23+000T09:00:00	000T02:00:00	2007-013T19:38:31	CIRS_FP1 TO TITAN	PIC	
ISS_037TI_MONITORNA001_PRIME	C, V	2007-013T19:38:31	GMB_E037_TITAN23+000T11:00:00	000T02:00:00	2007-013T21:38:31	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_037TI_GLOBMAP008_PRIME	I	2007-013T21:38:31	GMB_E037_TITAN23+000T13:00:00	000T01:00:00	2007-013T22:38:31	VIMS_IR TO TITAN	NEG_X TO SUN	
CIRS_037TI_MIDIRTMAP003_PRIME	C, I, V	2007-013T22:38:31	GMB_E037_TITAN23+000T14:00:00	000T03:25:00	2007-014T02:03:31	CIRS_FPB TO TITAN	NEG_X TO SUN	
SP_037TI_DEADTIME014_PRIME	I, V	2007-014T02:03:31	GMB_E037_TITAN23+000T17:25:00	000T00:10:29	2007-014T02:14:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_037RI_BRINGBLURO10_PRIME	I, V	2007-014T02:14:00		000T01:50:00	2007-014T04:04:00	ISS_NAC TO R_ANSA_B	POS_Z TO NSP	
SP_037EA_DLTURN014_PRIME		2007-014T04:04:00		000T00:30:00	2007-014T04:34:00	XBAND TO EARTH	NEG_X TO NEP	SP TURN TO EARTH
SP_037EA_G70METNONO14_PRIME	C, M	2007-014T04:34:00		000T09:00:00	2007-014T13:34:00	XBAND TO EARTH	ROLLING/SRU	
SP_037TI_WAYPTTURN014_PRIME	M, R	2007-014T13:34:00		000T00:30:00	2007-014T14:04:00	ISS_NAC TO TITAN	NEG_Z TO NORTH_POLE_DIR	
CIRS_037TI_COMPMPA012_PRIME	I, M, R, U, V	2007-014T14:04:00		000T02:00:00	2007-014T16:04:00	CIRS_FPB TO TITAN	NEG_Z TO NORTH_POLE_DIR	
RADAR_037TI_SOUTHSCAT001_PRIME	M	2007-014T16:04:00		000T01:15:00	2007-014T17:19:00	NEG_Z TO TITAN	POS_Y TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
RADAR_037TI_SOUTH3CAL001_PRIME	C, M	2007-015T16:30:00		000T01:30:00	2007-015T18:00:00	NEG_Z TO TITAN	POS_Y TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
RADAR_037TI_NORTH6CAL001_PRIME	C, M	2007-018T20:20:00		000T01:30:00	2007-018T21:50:00	NEG_Z TO TITAN	POS_Y TO NTP	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
RADAR_037TI_NORTH3CAL002_PRIME	C, M	2007-021T01:45:00		000T01:30:00	2007-021T03:15:00	NEG_Z TO TITAN	POS_Y TO NTP	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
CIRS_038TI_COMPMPA013_PRIME		2007-026T17:51:00		000T09:00:00	2007-027T02:51:00	CIRS_FPB TO TITAN	POS_Z TO NSP	
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	
NEW WAYPOINT		2007-028T12:42:00		002T00:00:00	2007-030T12:42:00	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	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_FPB 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_FIRNADCMPO01_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	C, 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	
BEGIN CUSTOM PERIOD		2007-029T05:15:55	GMB_E038_TITAN24-000T02:00:00	000T00:01:00	2007-029T05:16:55	ISS_NAC 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 187.791/-57.113, NEG_X TO SUN. LEAVE AT ISS_NAC TO 187.791/-57.113056, NEG_X TO SUN
VIMS_038TI_GAMCRUCC001_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 VIMS_IR TO 187.791/-57.113, NEG_X TO SUN; HAND OFF AT ISS_NAC TO TITAN, POS_X TO NORTH_POLE_DIR.
38TI (T) T24 TITAN INBOUND...		2007-029T07:15:55		000T00:00:01	2007-029T07:15:56			
END CUSTOM PERIOD		2007-029T09:15:55	GMB_E038_TITAN24+000T02:00:00	000T00:01:00	2007-029T09:16:55	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
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	POS_X TO NORTH_POLE_DIR	
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	

SP_046TI_DEADTIME164_PRIME	M	2007-164T03:24:00		000T00:15:11	2007-164T03:39:11	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_046TI_FIRNADCMP001_PRIME	C, I, M, V	2007-164T03:39:11	GMB_E046_TITAN32-000T14:07:00	000T01:07:00	2007-164T04:46:11	CIRS_FP1 TO TITAN	PIC	
VIMS_046TI_CLOUDMAP001_PRIME	C, I, M	2007-164T04:46:11	GMB_E046_TITAN32-000T13:00:00	000T04:00:00	2007-164T08:46:11	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_046TI_MIRLMBMAP001_PRIME	C, I, M, V	2007-164T08:46:11	GMB_E046_TITAN32-000T09:00:00	000T04:00:00	2007-164T12:46:11	CIRS_FPB TO TITAN	PIC	
UVIS_046TI_EUVFUV001_PRIME	C, I, M, V	2007-164T12:46:11	GMB_E046_TITAN32-000T05:00:00	000T02:00:00	2007-164T14:46:11	UVIS_FUV TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_046TI_NIGHTWAC001_PRIME	C, M, V	2007-164T14:46:11	GMB_E046_TITAN32-000T03:00:00	000T01:00:00	2007-164T15:46:11	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_046TI_WAYPTTURN064_PRIME	C, M	2007-164T15:46:11	GMB_E046_TITAN32-000T02:00:00	000T00:26:00	2007-164T16:12:11	VIMS_IR_SOL TO SUN	NEG_X TO TITAN_SC_RAM	
NEW WAYPOINT		2007-164T16:12:11		000T03:52:00	2007-164T20:04:11	VIMS_IR_SOL TO SUN	NEG_X TO TITAN_SC_RAM	
BEGIN CUSTOM PERIOD		2007-164T16:12:11	GMB_E046_TITAN32-000T01:34:00	000T00:00:01	2007-164T16:12:12	VIMS_IR_SOL TO SUN	NEG_X TO TITAN_SC_RAM	
UVIS_046SU_USUNOCC001_PRIME	C, M, V	2007-164T16:12:11	GMB_E046_TITAN32-000T01:34:00	000T00:27:00	2007-164T16:39:11	ISS_NAC TO SUN (-20.0,0.0,-0.109 DEG	NEG_X TO 322.54/-6.5	PICK UP AT VIMS_IR_SOL TO SUN, NEG_X TO TITAN_SC_RAM; HAND OFF AT ISS_NAC TO SUN (-20.0,0.0,-0.109 DEG, OFFSET), NEG_X TO 322.54/-6.5.
ENGR_046SC_ORSRC964_PPS	C, M, U, V	2007-164T16:39:11	GMB_E046_TITAN32-000T01:07:00	000T00:24:24	2007-164T17:03:35	ISS_NAC TO SUN (-20.0,0.0,-0.109 DEG	NEG_X TO 322.54/-6.5	PICK UP AT ISS_NAC TO SUN (-20.0,0.0,-0.109 DEG, OFFSET), NEG_X TO 322.54/-6.5; HAND OFF AT ISS_NAC TO SUN (-20.0,0.0,-0.109 DEG, OFFSET), NEG_X TO 322.54/-6.5. DEADBAND = (0.5, 0.5, 0.5)
VIMS_046TI_HIRESNITE901_PRIME	C, M, U	2007-164T17:03:35	GMB_E046_TITAN32-000T00:42:36	000T00:20:36	2007-164T17:24:11	VIMS_IR TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT ISS_NAC TO SUN (-20.0,0.0,-0.109 DEG, OFFSET), NEG_X TO 322.54/-6.5; HAND OFF AT NEG_Y TO TITAN, NEG_X TO TITAN_SC_RAM. WAIVER 85327 FOR FR84B2, FR89B21 VIOLATIONS
INMS_046TI_T32BRMPNT901_PRIME	M	2007-164T17:24:11	GMB_E046_TITAN32-000T00:22:00	000T00:37:00	2007-164T18:01:11	NEG_X TO TITAN_SC_RAM	NEG_Y TO TITAN	PICK UP AT NEG_Y TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Y TO TITAN.
CIRS_046TI_FIRLMBTRN902_PRIME	C, M, V	2007-164T18:01:11	GMB_E046_TITAN32+000T00:15:00	000T00:07:00	2007-164T18:08:11	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Y TO TITAN; HAND OFF AT CIRS_FP1 TO TITAN, PIC. PICK-UP FROM INMS AT -X TITAN_SC_RAM, -Y TITAN. TURN TO CIRS_FP1 TO LAT_VIEW (45, 90, LHS, 125), NEG_Z TO FOV_LIMB (SAME).
ENGR_046SC_DFPWBIAS964_PPS	C, M, V	2007-164T18:08:11	GMB_E046_TITAN32+000T00:22:00	000T00:24:00	2007-164T18:32:11	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC. PICK UP AT CIRS_FP1 TO LAT_VIEW (45, 90, LHS, 125), NEG_Z TO FOV_LIMB (SAME); HAND OFF AT CIRS_FP1 TO LAT_VIEW (45, 90, LHS, 125), NEG_Z TO FOV_LIMB (SAME).
CIRS_046TI_FIRLMBINT903_PRIME	C, M, V	2007-164T18:32:11	GMB_E046_TITAN32+000T00:46:00	000T00:16:00	2007-164T18:48:11	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC. PICK-UP FROM RCS TRANSITION ON LIMB CIRS_FP1 LAT_VIEW (45, 90, LHS, 125), NEG_Z (SAME), TURN TO 225 KM ALTITUDE FOR SECOND INT.
VIMS_046TI_HIGHRES901_PRIME	C, I, M	2007-164T18:48:11	GMB_E046_TITAN32+000T01:02:00	000T00:58:00	2007-164T19:46:11	ISS_NAC TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN. PICK UP FROM CIRS WITH SECONDARY +Z TO FOV_LIMB HANDOFF TO NEG_Y TO TITAN; NEG_X TO SUN PER AGREEMENT WITH SP
END CUSTOM PERIOD		2007-164T19:46:11	GMB_E046_TITAN32+000T02:00:00	000T00:00:01	2007-164T19:46:12	NEG_Y TO TITAN	NEG_X TO SUN	ENDING CUSTOM PERIOD ATTITUDE WILL BE NEG_Y TO TITAN; NEG_X TO SUN, PER AGREEMENT BETWEEN SP AND VIMS. SEE SPLAT FOR MORE INFO.
SP_046TI_WAYPTTURN964_PRIME	C, M	2007-164T19:46:11	GMB_E046_TITAN32+000T02:00:00	000T00:18:00	2007-164T20:04:11	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2007-164T20:04:11		001T01:12:49	2007-165T21:17:00	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_046TI_FIRNADMAP902_PRIME	C, I, M, V	2007-164T20:04:11	GMB_E046_TITAN32+000T02:18:00	000T02:42:00	2007-164T22:46:11	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
VIMS_046TI_MEDRES001_PRIME	C, I, M	2007-164T22:46:11	GMB_E046_TITAN32+000T05:00:00	000T02:00:00	2007-165T00:46:11	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_046TI_GLOBMAP001_PRIME	C, M, V	2007-165T00:46:11	GMB_E046_TITAN32+000T07:00:00	000T02:00:00	2007-165T02:46:11	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_046TI_FIRNADCMP002_PRIME	C, I, M, V	2007-165T02:46:11	GMB_E046_TITAN32+000T09:00:00	000T02:00:00	2007-165T04:46:11	CIRS_FP1 TO TITAN	PIC	
ISS_046TI_MONITORNA001_PRIME	C, M, V	2007-165T04:46:11	GMB_E046_TITAN32+000T11:00:00	000T02:00:00	2007-165T06:46:11	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_046TI_REGMAP001_PRIME	C, I, M	2007-165T06:46:11	GMB_E046_TITAN32+000T13:00:00	000T01:00:00	2007-165T07:46:11	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_046TI_MIDIRTMAP002_PRIME	C, I, M, V	2007-165T07:46:11	GMB_E046_TITAN32+000T14:00:00	000T02:15:00	2007-165T10:01:11	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_046TI_DEADTIME165_PRIME	M	2007-165T10:01:11	GMB_E046_TITAN32+000T16:15:00	000T00:15:07	2007-165T10:16:18	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_046EA_DLTURN165_PRIME	M	2007-165T10:17:00		000T00:30:00	2007-165T10:47:00	XBAND TO EARTH	POS_X TO NSP	SP TURN TO EARTH
SP_046EA_M34ARRNON165_PRIME	M	2007-165T10:47:00		000T05:52:00	2007-165T16:39:00	XBAND TO EARTH	ROLLING	
SP_046EA_G70METNON165_PRIME	M	2007-165T16:39:00		000T04:08:00	2007-165T20:47:00	XBAND TO EARTH	POS_X TO NSP	

TOST REV 47 SEGMENT		2007-180T02:05:00		002T00:30:00	2007-182T02:35:00				
SP_047EA_WAYPTURN481_PRIME	U	2007-180T02:05:00		000T00:30:00	2007-180T02:35:00	XBAND TO EARTH	POS_Y TO SUN	1.5 MIN TURN	
NEW WAYPOINT		2007-180T02:35:00		000T23:39:46	2007-181T02:14:46	XBAND TO EARTH	POS_Y TO SUN		
SP_047TI_DEADTIME180_PRIME	U	2007-180T02:35:00		000T00:09:46	2007-180T02:44:46	NEG_Z TO EARTH	POS_Y TO SUN		
BEGIN CUSTOM PERIOD		2007-180T02:44:46	GMB_E047_TITAN33-000T14:15:00	000T00:01:00	2007-180T02:45:46	XBAND TO EARTH	POS_Y TO SUN		
CIRS_047TI_FIRNADCMP001_PRIME	C, I, R, U, V	2007-180T02:44:46	GMB_E047_TITAN33-000T14:15:00	000T04:15:00	2007-180T06:59:46	CIRS_FP1 TO TITAN	PIC	PICK UP AT XBAND TO EARTH, POS_Y TO SUN; HAND OFF AT ISS_NAC TO TITAN, POS_X TO NORTH_POLE_DIR. WAIVER 86100 FOR FR89B21(2) VIOLATION.	
ISS_047TI_PHOTOMWAC001_PRIME	C, R, U, V	2007-180T06:59:46	GMB_E047_TITAN33-000T10:00:00	000T01:00:00	2007-180T07:59:46	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN, POS_X TO NORTH_POLE_DIR; HAND OFF AT XBAND TO EARTH, POS_Y TO SUN.	
END CUSTOM PERIOD		2007-180T07:59:46	GMB_E047_TITAN33-000T09:00:00	000T00:01:00	2007-180T08:00:46	XBAND TO EARTH	POS_Y TO SUN		
SP_047EA_M34RSSUNQ180_PRIME	R	2007-180T07:59:46	GMB_E047_TITAN33-000T09:00:00	000T04:00:00	2007-180T11:59:46	XBAND TO EARTH	POS_Y TO SUN	RSS_047TI_GRAVITY001_PRIME IS RIDING ALONG. THIS IS A SPECIAL DOWNLINK.	
UVIS_047TI_EUVFUV001_PRIME	C, I, R	2007-180T11:59:46	GMB_E047_TITAN33-000T05:00:00	000T03:00:00	2007-180T14:59:46	ISS_NAC TO TITAN	NEG_Z TO SUN		
RSS_047TI_GRAVITY002_PRIME	M	2007-180T14:59:46	GMB_E047_TITAN33-000T02:00:00	000T02:45:00	2007-180T17:44:46	XBAND TO EARTH	POS_Y TO SUN		
BEGIN CUSTOM PERIOD		2007-180T17:44:46	GMB_E047_TITAN33+000T00:45:00	000T00:01:00	2007-180T17:45:46	XBAND TO EARTH	POS_Y TO SUN		
VIMS_047TI_HIRESNAC001_PRIME	C, I, M	2007-180T17:44:46	GMB_E047_TITAN33+000T00:45:00	000T01:15:00	2007-180T18:59:46	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT XBAND TO EARTH, POS_Y TO SUN; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN.	
ISS_047TI_REGMAP001_PRIME	C, R, U, V	2007-180T18:59:46	GMB_E047_TITAN33+000T02:00:00	000T02:00:00	2007-180T20:59:46	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT ISS_NAC TO TITAN (-22.4,0.0,-11.2 DEG. OFFSET), NEG_X TO SUN.	
CIRS_047TI_FIRNADMAP002_PRIME	C, I, R, U, V	2007-180T20:59:46	GMB_E047_TITAN33+000T04:00:00	000T01:15:00	2007-180T22:14:46	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT ISS_NAC TO TITAN (-22.4,0.0,-11.2 DEG. OFFSET), NEG_X TO SUN; HAND OFF AT XBAND TO EARTH, POS_Y TO SUN.	
END CUSTOM PERIOD		2007-180T22:14:46	GMB_E047_TITAN33+000T05:15:00	000T00:01:00	2007-180T22:15:46	XBAND TO EARTH	POS_Y TO SUN		
RSS_047TI_GRAVITY003_PRIME		2007-180T22:14:46	GMB_E047_TITAN33+000T05:15:00	000T03:30:00	2007-181T01:44:46	XBAND TO EARTH	POS_Y TO SUN		
SP_047TI_WAYPTURN181_PRIME	V	2007-181T01:44:46	GMB_E047_TITAN33+000T08:45:00	000T00:30:00	2007-181T02:14:46	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	17.2 MIN TURN	
NEW WAYPOINT		2007-181T02:14:46		001T00:50:14	2007-182T03:05:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR		
CIRS_047TI_FIRNADCMP002_PRIME	C, I, U, V	2007-181T02:14:46	GMB_E047_TITAN33+000T09:15:00	000T04:45:00	2007-181T06:59:46	CIRS_FP1 TO TITAN	PIC		
VIMS_047TI_GLOBMAPFA002_PRIME	C, I, M, R, U	2007-181T06:59:46	GMB_E047_TITAN33+000T14:00:00	000T06:00:00	2007-181T12:59:46	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR		
SP_047TI_DEADTIME181_PRIME	M, R	2007-181T12:59:46	GMB_E047_TITAN33+000T20:00:00	000T00:18:19	2007-181T13:18:05	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR		
SP_047EA_DLTURN181_PRIME	M, R	2007-181T13:21:00		000T00:30:00	2007-181T13:51:00	XBAND TO EARTH	POS_X TO NEP	17 MIN TURN	
SP_047EA_M34HEFNON181_PRIME	M, R	2007-181T13:51:00		000T02:44:00	2007-181T16:35:00	XBAND TO EARTH	ROLLING		
SP_047EA_G70METNON181_PRIME	C, M, R	2007-181T16:35:00		000T10:00:00	2007-182T02:35:00	XBAND TO EARTH	POS_X TO NEP		
ISS_047TI_1X1PHOT30001_PRIME	M	2007-183T02:22:00		000T01:00:00	2007-183T03:22:00	ISS_NAC TO TITAN	NEG_X TO SUN		
RADAR_048TI_LONG4CAL001_PRIME	M	2007-196T14:36:00		000T01:00:00	2007-196T15:36:00	NEG_Z TO TITAN	PIC	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.	
ISS_048TI_1X1PT120001_PRIME	M	2007-197T14:21:00		000T01:00:00	2007-197T15:21:00	ISS_NAC TO TITAN	NEG_X TO SUN		
CIRS_048TI_TEMPMPA013_PRIME	M	2007-198T07:40:00		000T03:00:00	2007-198T10:40:00	CIRS_FP1 TO TITAN	POS_X TO NSP		
CIRS_048TI_COMPMPA013_PRIME	M, R	2007-198T10:40:00		000T04:00:00	2007-198T14:40:00	CIRS_FP1 TO TITAN	POS_X TO NSP		
TOST REV 48 SEGMENT		2007-199T00:51:00		001T23:45:00	2007-201T00:36:00				
SP_048TI_WAYPTURN199_PRIME	M	2007-199T00:51:00		000T00:30:00	2007-199T01:21:00	ISS_NAC TO TITAN	NEG_X TO 330.0/-16.7	SP TURN TO WAYPOINT	
NEW WAYPOINT		2007-199T01:21:00		001T23:47:00	2007-201T01:08:00	ISS_NAC TO TITAN	NEG_X TO 330.0/-16.7		
SP_048TI_DEADTIME199_PRIME	M	2007-199T01:21:00		000T00:27:20	2007-199T01:48:20	ISS_NAC TO TITAN	NEG_X TO 330.0/-16.7		
CIRS_048TI_MIDIRTMAP001_PRIME	C, I, M, V	2007-199T01:48:20	GMB_E048_TITAN34-000T23:23:00	000T07:23:00	2007-199T09:11:20	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR		
ISS_048TI_NIGHTNAC001_PRIME	C, M, V	2007-199T09:11:20	GMB_E048_TITAN34-000T16:00:00	000T01:00:00	2007-199T10:11:20	ISS_NAC TO TITAN	NEG_X TO 330.0/-16.7		
CIRS_048TI_FIRNADCMP001_PRIME	C, I, M, V	2007-199T10:11:20	GMB_E048_TITAN34-000T15:00:00	000T02:00:00	2007-199T12:11:20	CIRS_FP1 TO TITAN	PIC		
VIMS_048TI_CLOUDMAP001_PRIME	C, I, M	2007-199T12:11:20	GMB_E048_TITAN34-000T13:00:00	000T04:00:00	2007-199T16:11:20	ISS_NAC TO TITAN	NEG_X TO SUN		
UVIS_048TI_EUVFUV001_PRIME	C, I, M, V	2007-199T16:11:20	GMB_E048_TITAN34-000T09:00:00	000T05:09:00	2007-199T21:20:20	NEG_Y TO TITAN	POS_X TO NORTH_POLE_DIR		
ENGR_048SC_ORSRCS199_PPS	C, M, U, V	2007-199T21:20:20	GMB_E048_TITAN34-000T03:51:00	000T00:20:51	2007-199T21:41:11	NEG_Y TO TITAN	POS_X TO NORTH_POLE_DIR	DEADBAND = (0.5, 0.5, 0.5)	
UVIS_048TI_EUVFUV003_PRIME	C, I, M, R, V	2007-199T21:41:20	GMB_E048_TITAN34-000T03:30:00	000T00:30:00	2007-199T22:11:20	NEG_Y TO TITAN	POS_X TO NORTH_POLE_DIR	DEADBAND 0.5, 0.5, 0.5	
ISS_048TI_NIGHTWAC001_PRIME	C, M, R, V	2007-199T22:11:20	GMB_E048_TITAN34-000T03:00:00	000T01:22:00	2007-199T23:33:20	ISS_NAC TO TITAN	NEG_X TO 330.0/-16.7		

RSS_048TI_BISTAT001_PRIME	M, R	2007-199723:33:20	LUB_E048_TITAN34-000T01:38:00	000T01:33:00	2007-200T01:06:20	XBAND TO TITAN	POS_Y TO NSP	SECONDARY IS POS_Y TO NSP FOR MAPS, IN GENERAL. BUT FOR THE FIRST 00:12:30 NEED TO BE ON POS_X TO NSP TO AVOID VIOLATIONS.
VIMS_048TI_VHIRESNAC001_PRIME	C, I, M	2007-200T01:06:20	GMB_E048_TITAN34-000T00:05:00	000T00:34:00	2007-200T01:40:20	VIMS_IR TO TITAN	NEG_X TO 330.0/-16.7	
ENGR_048SC_DFPWBIA5200_PPS	C, I, M	2007-200T01:40:20	GMB_E048_TITAN34+000T00:29:00	000T00:21:07	2007-200T02:01:27	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_048TI_HIRESNAC001_PRIME	C, I, M	2007-200T02:01:27	GMB_E048_TITAN34+000T00:50:07	000T01:09:53	2007-200T03:11:20	VIMS_IR TO TITAN	NEG_X TO 330.0/-16.7	
ISS_048TI_REGMAP001_PRIME	C, M, V	2007-200T03:11:20	GMB_E048_TITAN34+000T02:00:00	000T02:00:00	2007-200T05:11:20	ISS_NAC TO TITAN	NEG_X TO 330.0/-16.7	
CIRS_048TI_FIRNADMAP002_PRIME	C, I, M, V	2007-200T05:11:20	GMB_E048_TITAN34+000T04:00:00	000T01:00:00	2007-200T06:11:20	CIRS_FP1 TO TITAN	NEG_X TO SUN	
ISS_048TI_GLOBMAP001_PRIME	C, M, V	2007-200T06:11:20	GMB_E048_TITAN34+000T05:00:00	000T03:36:00	2007-200T09:47:20	ISS_NAC TO TITAN	NEG_X TO 330.0/-16.7	
ISS_048TI_PHOTOMWAC001_PRIME	C, M, V	2007-200T09:47:20	GMB_E048_TITAN34+000T08:36:00	000T00:24:00	2007-200T10:11:20	ISS_NAC TO TITAN	NEG_X TO 330.0/-16.7	
CIRS_048TI_FIRNADCMP002_PRIME	C, I, M, R, U	2007-200T10:11:20	GMB_E048_TITAN34+000T09:00:00	000T04:49:00	2007-200T15:00:20	CIRS_FP1 TO TITAN	PIC	
SP_048TI_DEADTIME200_PRIME	M, R, U, V	2007-200T15:01:00		000T00:05:00	2007-200T15:06:00	ISS_NAC TO TITAN	NEG_X TO 330.0/-16.7	
SP_048EA_DLTURN200_PRIME	M, R, U, V	2007-200T15:06:00		000T00:30:00	2007-200T15:36:00	XBAND TO EARTH	NEG_X TO NEP	SP TURN TO EARTH
SP_048EA_G70ARRNON200_PRIME	C, M, R	2007-200T15:36:00		000T09:00:00	2007-201T00:36:00	XBAND TO EARTH	NEG_X TO NEP	
RADAR_049TI_PHASE3CAL001_PRIME		2007-239T02:50:00		000T01:00:00	2007-239T03:50:00	NEG_Z TO TITAN	POS_Y TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
TOST REV 49 SEGMENT		2007-242T17:34:00		001T22:46:00	2007-244T16:20:00			
SP_049TI_WAYPTTURN242_PRIME		2007-242T20:49:00		000T00:30:00	2007-242T21:19:00	NEG_Y TO TITAN	NEG_X TO SUN	SP TURN TO WAYPOINT
NEW WAYPOINT		2007-242T21:19:00		001T19:31:00	2007-244T16:50:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_049TI_DEADTIME242_PRIME		2007-242T21:19:00		000T00:13:34	2007-242T21:32:34	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_049TI_MIRLMBINT001_PRIME	C, I, V	2007-242T21:32:34	GMB_E049_TITAN35-000T09:00:00	000T04:00:00	2007-243T01:32:34	CIRS_FPB TO TITAN	PIC	
CIRS_049TI_FIRNADMAP001_PRIME	C, I, V	2007-243T01:32:34	GMB_E049_TITAN35-000T05:00:00	000T03:00:00	2007-243T04:32:34	CIRS_FP1 TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2007-243T04:32:34	GMB_E049_TITAN35-000T02:00:00	000T00:00:01	2007-243T04:32:35			
CIRS_049TI_FIRLMBINT001_PRIME	C, I, M, V	2007-243T04:32:34	GMB_E049_TITAN35-000T02:00:00	000T01:00:00	2007-243T05:32:34	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT UVIS_FUV TO 283.816/-26.296, NEG_X TO SUN.
UVIS_049ST_SIGSGR002_PRIME	M, V	2007-243T05:32:34	GMB_E049_TITAN35-000T01:00:00	000T00:23:00	2007-243T05:55:34	UVIS_FUV TO 283.816/-26.296 (0.258 NEG_X TO SUN		PICK UP AT UVIS_FUV TO 283.816/-26.296, NEG_X TO SUN; HAND OFF AT UVIS_FUV TO 283.816/-26.296 (0.258,0.0,0.0 DEG. OFFSET), NEG_X TO SUN. OTHER TEAMS WILL DO THE TURNS. SECONDARY AXIS DETERMINED BY OTHER TEAM
VIMS_049TI_STAROCC001_PRIME	M	2007-243T05:55:34	GMB_E049_TITAN35-000T00:37:00	000T00:37:00	2007-243T06:32:34	VIMS_IR TO 247.352/-26.432	NEG_Z TO SUN	PICK UP AT UVIS_FUV TO 283.816/-26.296 (0.258,0.0,0.0 DEG. OFFSET), NEG_X TO SUN; HAND OFF AT VIMS_IR TO 247.375/-26.44, NEG_Z TO SUN. PICK UP AT UVIS_FUV TO 283.816/-26.296, NEG_X TO SUN; HAND OFF AT VIMS_IR TO STA
VIMS_049TI_VHIRESNAC001_PRIME	C, I, M	2007-243T06:32:34	GMB_E049_TITAN35+000T00:00:00	000T02:00:00	2007-243T08:32:34	VIMS_IR TO TITAN	NEG_Z TO SUN	PICK UP AT VIMS_IR TO 247.375/-26.44, NEG_Z TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
END CUSTOM PERIOD		2007-243T08:32:34	GMB_E049_TITAN35+000T02:00:00	000T00:00:01	2007-243T08:32:35			
ISS_049TI_REGMAP001_PRIME	C, M, V	2007-243T08:32:34	GMB_E049_TITAN35+000T02:00:00	000T02:00:00	2007-243T10:32:34	ISS_NAC TO TITAN	NEG_Z TO SUN	
CIRS_049TI_FIRNADMAP004_PRIME	C, I, M, V	2007-243T10:32:34	GMB_E049_TITAN35+000T04:00:00	000T01:00:00	2007-243T11:32:34	CIRS_FP1 TO TITAN	PIC	
ISS_049TI_GLOBMAP001_PRIME	C, M, V	2007-243T11:32:34	GMB_E049_TITAN35+000T05:00:00	000T03:36:00	2007-243T15:08:34	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_049TI_PHOTOMWAC002_PRIME	C, M, V	2007-243T15:08:34	GMB_E049_TITAN35+000T08:36:00	000T00:24:00	2007-243T15:32:34	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_049TI_FIRNADCMP002_PRIME	C, I, M, V	2007-243T15:32:34	GMB_E049_TITAN35+000T09:00:00	000T06:00:00	2007-243T21:32:34	CIRS_FP1 TO TITAN	PIC	
CIRS_049TI_MIDIRTMAP002_PRIME	C, I, M, R	2007-243T21:32:34	GMB_E049_TITAN35+000T15:00:00	000T06:00:00	2007-244T03:32:34	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_049TI_DEADTIME244_PRIME	M, R	2007-244T03:32:34	GMB_E049_TITAN35+000T21:00:00	000T00:17:26	2007-244T03:50:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_049EA_DLTURN244_PRIME	M, R	2007-244T03:50:00		000T00:30:00	2007-244T04:20:00	XBAND TO EARTH	POS_X TO NEP	SP TURN TO EARTH
SP_049EA_M34BWRSS244_PRIME	C, M, R	2007-244T04:20:00		000T07:30:00	2007-244T11:50:00	XBAND TO EARTH	POS_X TO NEP	
SP_049EA_G70METUNQ244_PRIME	C, R	2007-244T11:50:00		000T04:30:00	2007-244T16:20:00	XBAND TO EARTH	POS_X TO NEP	
ISS_049TI_1X1PHOT30001_PRIME		2007-245T15:05:00		000T01:00:00	2007-245T16:05:00	ISS_NAC TO TITAN	POS_X TO NSP	
TOST REV 50 SEGMENT		2007-274T12:51:00		002T01:28:00	2007-276T14:19:00			
SP_050TI_WAYPTTURN274_PRIME	M	2007-274T12:51:00		000T00:30:00	2007-274T13:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	SP TURN TO WAYPOINT
NEW WAYPOINT		2007-274T13:21:00		000T10:32:43	2007-274T23:53:43	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_050TI_DEADTIME274_PRIME	M	2007-274T13:21:00		000T00:09:43	2007-274T13:30:43	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_050TI_FIRNADCMP001_PRIME	C, I, M, R, V	2007-274T13:30:43	GMB_E050_TITAN36-000T15:12:00	000T05:12:00	2007-274T18:42:43	CIRS_FP1 TO TITAN	PIC	

ISS_050TI_PHOTOMWAC001_PRIME	C, M, R, V	2007-274T18:42:43	GMB_E050_TITAN36-000T10:00:00	000T01:00:00	2007-274T19:42:43	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_050TI_EUVFUV001_PRIME	C, I, M, R, V	2007-274T19:42:43	GMB_E050_TITAN36-000T09:00:00	000T03:49:00	2007-274T23:31:43	NEG_Y TO TITAN	POS_X TO NTP	
SP_050TI_WAYPTTURN474_PRIME	M, R	2007-274T23:31:43	GMB_E050_TITAN36-000T05:11:00	000T00:22:00	2007-274T23:53:43	NEG_Z TO TITAN	POS_X TO 205.0/-20.0	
NEW WAYPOINT		2007-274T23:53:43		000T09:59:00	2007-275T09:52:43	NEG_Z TO TITAN	POS_X TO 205.0/-20.0	
BEGIN CUSTOM PERIOD		2007-274T23:53:43	GMB_E050_TITAN36-000T04:49:00	000T00:00:01	2007-274T23:53:44	NEG_Z TO TITAN	POS_X TO 205.0/-20.0	
RADAR_050TI_T36INRAD001_PRIME	M	2007-274T23:53:43	GMB_E050_TITAN36-000T04:49:00	000T02:49:00	2007-275T02:42:43	NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. O	PICK UP AT NEG_Z TO TITAN, POS_X TO 205.0/-20.0; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), POS_X TO NORTH_POLE_DIR. USE +Y_NTP AND +X_NTP FOR THE TWO POLARIZATIONS.	
RADAR_050TI_T36INSCAT001_PRIME	M	2007-275T02:42:43	GMB_E050_TITAN36-000T02:00:00	000T01:08:00	2007-275T03:50:43	NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. O	PICK UP AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), POS_X TO NORTH_POLE_DIR.	
ENGR_050SC_RADRCS275_PPS	M	2007-275T03:50:43	GMB_E050_TITAN36-000T00:52:00	000T00:21:13	2007-275T04:11:56	NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. O	PICK UP AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), POS_X TO NORTH_POLE_DIR. DEADBAND (2, 2, 20)	
RADAR_050TI_T36INALT001_PRIME	M	2007-275T04:11:56	GMB_E050_TITAN36-000T00:30:47	000T00:15:47	2007-275T04:27:43	NEG_Z TO TITAN	PICK UP AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), POS_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.	
RADAR_050TI_T36INMSRA001_PRIME	M	2007-275T04:27:43	GMB_E050_TITAN36-000T00:15:00	000T00:30:00	2007-275T04:57:43	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,-40.0 DEG. OFFSET), NEG_X TO TITAN_SC_RAM. TO DO POINTING SASF FOR INMS	
BEGIN HIGH VALUE SCIENCE		2007-275T04:32:43	GMB_E050_TITAN36-000T00:10:00	000T00:00:01	2007-275T04:32:44			
END HIGH VALUE SCIENCE		2007-275T04:47:43	GMB_E050_TITAN36+000T00:05:00	000T00:00:01	2007-275T04:47:44			
RADAR_050TI_T36OUTALT001_PRIME	M	2007-275T04:57:43	GMB_E050_TITAN36+000T00:15:00	000T00:15:00	2007-275T05:12:43	NEG_Z TO TITAN (0.0,0.0,-40.0 DEG. O	PICK UP AT NEG_Z TO TITAN (0.0,0.0,-40.0 DEG. OFFSET), NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), NEG_X TO NORTH_POLE_DIR. TURN TO -X TO NTP (0,0,-45) AT THE END.	
ENGR_050SC_RADRWBIAS275_PPS	M	2007-275T05:12:43	GMB_E050_TITAN36+000T00:30:00	000T00:23:18	2007-275T05:36:01	NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. O	PICK UP AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), NEG_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), NEG_X TO NORTH_POLE_DIR.	
RADAR_050TI_T36OUTSCT001_PRIME	M	2007-275T05:36:01	GMB_E050_TITAN36+000T00:53:18	000T01:06:42	2007-275T06:42:43	NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. O	PICK UP AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), NEG_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), NEG_X TO NORTH_POLE_DIR.	
RADAR_050TI_T36OUTRAD001_PRIME		2007-275T06:42:43	GMB_E050_TITAN36+000T02:00:00	000T02:50:00	2007-275T09:32:43	NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. O	PICK UP AT NEG_Z TO TITAN (0.0,0.0,-45.0 DEG. OFFSET), NEG_X TO NORTH_POLE_DIR; HAND OFF AT NEG_Z TO TITAN, POS_X TO 205.0/-20.0. USE -X_NTP AND -Y_NTP WITH (0,0,-45) FOR THE TWO POLARIZATIONS.	
END CUSTOM PERIOD		2007-275T09:32:43	GMB_E050_TITAN36+000T04:50:00	000T00:00:01	2007-275T09:32:44	NEG_Z TO TITAN	POS_X TO 205.0/-20.0	
SP_050TI_WAYPTTURN275_PRIME		2007-275T09:32:43	GMB_E050_TITAN36+000T04:50:00	000T00:20:00	2007-275T09:52:43	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2007-275T09:52:43		001T04:56:17	2007-276T14:49:00	NEG_Y TO TITAN	NEG_X TO SUN	
VIMS_050TI_MEDRES001_PRIME	C, I	2007-275T09:52:43	GMB_E050_TITAN36+000T05:10:00	000T02:50:00	2007-275T12:42:43	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_050TI_GLOBMAP001_PRIME	C, V	2007-275T12:42:43	GMB_E050_TITAN36+000T08:00:00	000T00:40:00	2007-275T13:22:43	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_050TI_PHOTOMWAC002_PRIME	C, V	2007-275T13:22:43	GMB_E050_TITAN36+000T08:40:00	000T00:20:00	2007-275T13:42:43	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_050TI_FIRNADCMP002_PRIME	C, I, V	2007-275T13:42:43	GMB_E050_TITAN36+000T09:00:00	000T02:00:00	2007-275T15:42:43	CIRS_FP1 TO TITAN	PIC	
ISS_050TI_MONITORNA001_PRIME	C, V	2007-275T15:42:43	GMB_E050_TITAN36+000T11:00:00	000T02:00:00	2007-275T17:42:43	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_050TI_GLOBMAP002_PRIME	I	2007-275T17:42:43	GMB_E050_TITAN36+000T13:00:00	000T01:00:00	2007-275T18:42:43	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_050TI_MIDIRTMAP002_PRIME	C, I, R, V	2007-275T18:42:43	GMB_E050_TITAN36+000T14:00:00	000T08:46:00	2007-276T03:28:43	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_050TI_DEADTIME276_PRIME	R	2007-276T03:28:43	GMB_E050_TITAN36+000T22:46:00	000T00:22:17	2007-276T03:51:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_050EA_DLTURN276_PRIME	R	2007-276T03:51:00		000T00:28:00	2007-276T04:19:00	XBAND TO EARTH	POS_X TO NEP	SP TURN TO EARTH
SP_050EA_M70ARRNON276_PRIME	C, R	2007-276T04:19:00		000T02:18:00	2007-276T06:37:00	XBAND TO EARTH	ROLLING	
SP_050EA_M34BWGNON276_PRIME	C, R	2007-276T06:37:00		000T07:42:00	2007-276T14:19:00	XBAND TO EARTH	ROLLING	
POINTER RESET IN PREPARATIO...		2007-276T14:19:00		000T00:00:01	2007-276T14:19:01			

CIRS_050TI_TEMP031_PRIME		2007-276T17:30:00		000T06:22:00	2007-276T23:52:00	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_050TI_1X1PHOT30001_PRIME		2007-277T09:52:00		000T01:00:00	2007-277T10:52:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_051TI_1X1PT90001_PRIME		2007-292T08:26:00		000T01:00:00	2007-292T09:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_051TI_COMP016_PRIME	M	2007-292T20:53:00		000T11:00:00	2007-293T07:53:00	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_051TI_COMP017_PRIME	R	2007-293T20:23:00		000T03:07:00	2007-293T23:30:00	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
RADAR_051TI_NORTHSCAT001_PRIME		2007-293T23:30:00		000T01:30:00	2007-294T01:00:00	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
RADAR_051TI_NORTHSCAL001_PRIME	C	2007-294T01:00:00		000T01:00:00	2007-294T02:00:00	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_051TI_COMP018_PRIME	R	2007-294T02:00:00		000T06:23:00	2007-294T08:23:00	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_051TI_TEMP014_PRIME		2007-294T20:53:00		000T06:10:00	2007-295T03:03:00	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_051TI_STEREOB001_PRIME		2007-295T03:03:00		000T00:30:00	2007-295T03:33:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
VIMS_051TI_GLOBMAP001_PRIME		2007-295T03:33:00		000T01:17:00	2007-295T04:50:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_051TI_STEREOC001_PRIME		2007-295T08:53:00		000T01:00:00	2007-295T09:53:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_051TI_TITAN001_PRIME	M	2007-295T22:00:00		000T01:00:00	2007-295T23:00:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
RADAR_051TI_PHASE1CAL001_PRIME	C, M	2007-300T10:15:00		000T01:00:00	2007-300T11:15:00	NEG_Z TO TITAN	POS_X TO NORTH_POLE_DIR	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
RADAR_052TI_PHASE3CAL001_PRIME	M	2007-320T03:00:00		000T01:30:00	2007-320T04:30:00	NEG_Z TO TITAN	PIC	RADAR MUST CONTROL PRIMARY AND SECONDARY AXES TO OBTAIN CORRECT POLARIZATION.
CIRS_052TI_TEMP016_PRIME	M	2007-321T20:40:00		000T04:00:00	2007-322T00:40:00	CIRS_FP1 TO TITAN	POS_X TO NSP	
TOST REV 52 SEGMENT		2007-322T10:12:00		001T23:45:00	2007-324T09:57:00			
SP_052TI_WAYPTTURN322_PRIME	M	2007-322T10:12:00		000T00:30:00	2007-322T10:42:00	ISS_NAC TO TITAN (0.0,-20.0,0.0 DEG.	POS_X TO NORTH_POLE_DIR	SP TURN TO WAYPOINT
NEW WAYPOINT		2007-322T10:42:00		001T23:45:00	2007-324T10:27:00	ISS_NAC TO TITAN (0.0,-20.0,0.0 DEG.	POS_X TO NORTH_POLE_DIR	
SP_052TI_DEADTIME322_PRIME	M	2007-322T10:42:00		000T00:10:25	2007-322T10:52:25	ISS_NAC TO TITAN (0.0,-20.0,0.0 DEG.	POS_X TO NORTH_POLE_DIR	
VIMS_052TI_CLOUDMAP001_PRIME	C, I, M, U	2007-322T10:52:25	GMB_E052_TITAN37-000T13:55:00	000T04:55:00	2007-322T15:47:25	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_052TI_MIRLMBMAP001_PRIME	C, I, M, V	2007-322T15:47:25	GMB_E052_TITAN37-000T09:00:00	000T04:00:00	2007-322T19:47:25	CIRS_FP1 TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2007-322T19:47:25	GMB_E052_TITAN37-000T05:00:00	000T00:00:01	2007-322T19:47:26	ISS_NAC TO TITAN (0.0,-20.0,0.0 DEG.	POS_X TO NORTH_POLE_DIR	
CIRS_052TI_FIRNADMAP001_PRIME	C, I, M, V	2007-322T19:47:25	GMB_E052_TITAN37-000T05:00:00	000T03:00:00	2007-322T22:47:25	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	PICK UP AT ISS_NAC TO TITAN (0.0,-20.0,0.0 DEG. OFFSET), POS_X TO NORTH_POLE_DIR; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_052TI_FIRLMBINT001_PRIME	E, M	2007-322T22:47:25	GMB_E052_TITAN37-000T02:00:00	000T00:21:00	2007-322T23:08:25	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_052TI_FIRLMBAR001_PRIME	C, I, M, V	2007-322T23:08:25	GMB_E052_TITAN37-000T01:39:00	000T00:54:00	2007-323T00:02:25	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_052TI_FIRLMBT001_PRIME	C, I, M, U, V	2007-323T00:02:25	GMB_E052_TITAN37-000T00:45:00	000T00:30:00	2007-323T00:32:25	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Y TO TITAN.
INMS_052TI_T37RMPNT001_PRIME	C, M, V	2007-323T00:32:25	GMB_E052_TITAN37-000T00:15:00	000T00:24:00	2007-323T00:56:25	NEG_X TO TITAN_SC_RAM	NEG_Y TO TITAN	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Y TO TITAN; HAND OFF AT NEG_Y TO TITAN (0.0,60.0,0.0 DEG. OFFSET), NEG_Z TO NTP.
BEGIN HIGH VALUE SCIENCE		2007-323T00:51:25		000T00:00:01	2007-323T00:51:26			
VIMS_052TI_HIGHRES001_PRIME	I, M	2007-323T00:56:25	GMB_E052_TITAN37+000T00:09:00	000T00:12:00	2007-323T01:08:25	ISS_NAC TO TITAN (0.0,60.0,0.0 DEG.	NEG_Z TO NORTH_POLE_DIR	PICK UP AT NEG_Y TO TITAN (0.0,60.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT ISS_NAC TO TITAN (0.0,60.0,0.0 DEG. OFFSET), NEG_Z TO NTP.
END HIGH VALUE SCIENCE		2007-323T01:08:25		000T00:00:01	2007-323T01:08:26			
ENGR_052SC_DFPWBIAS323_PPS	C, I, M, V	2007-323T01:08:25	GMB_E052_TITAN37+000T00:21:00	000T00:22:42	2007-323T01:31:07	ISS_NAC TO TITAN (0.0,60.0,0.0 DEG.	NEG_Z TO NTP	PICK UP AT ISS_NAC TO TITAN (0.0,60.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT ISS_NAC TO TITAN (0.0,60.0,0.0 DEG. OFFSET), NEG_Z TO NTP.
VIMS_052TI_HIRESNAC001_PRIME	C, I, M, V	2007-323T01:31:25	GMB_E052_TITAN37+000T00:44:00	000T01:16:00	2007-323T02:47:25	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN (0.0,60.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN.

ISS_052TI_REGMAP001_PRIME	C, M, V	2007-323T02:47:25	GMB_E052_TITAN37+000T02:00:00	000T02:00:00	2007-323T04:47:25	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT ISS_NAC TO TITAN (0.0,-20.0,0.0 DEG. OFFSET), POS_X TO NTP.
END CUSTOM PERIOD		2007-323T04:47:25	GMB_E052_TITAN37+000T04:00:00	000T00:00:01	2007-323T04:47:26	ISS_NAC TO TITAN (0.0,-20.0,0.0 DEG. POS_X TO NORTH_POLE DIR		
CIRS_052TI_FIRNADMAP002_PRIME	C, I, M, V	2007-323T04:47:25	GMB_E052_TITAN37+000T04:00:00	000T01:00:00	2007-323T05:47:25	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE DIR	
ISS_052TI_GLOBMAP002_PRIME	C, M, V	2007-323T05:47:25	GMB_E052_TITAN37+000T05:00:00	000T03:36:00	2007-323T09:23:25	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_052TI_PHOTOMWAC002_PRIME	C, M, V	2007-323T09:23:25	GMB_E052_TITAN37+000T08:36:00	000T00:24:00	2007-323T09:47:25	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_052TI_FIRNADCMP002_PRIME	C, I, M, V	2007-323T09:47:25	GMB_E052_TITAN37+000T09:00:00	000T05:00:00	2007-323T14:47:25	CIRS_FP1 TO TITAN	PIC	
CIRS_052TI_MDIRTMAP002_PRIME	C, I, M, V	2007-323T14:47:25	GMB_E052_TITAN37+000T14:00:00	000T07:00:00	2007-323T21:47:25	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE DIR	
CIRS_052TI_COMPMAP016_PRIME	I, M, V	2007-323T21:47:25	GMB_E052_TITAN37+000T21:00:00	000T02:19:09	2007-324T00:06:34	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE DIR	
SP_052TI_DEADTIME324_PRIME		M	2007-324T00:06:34	GMB_E052_TITAN37+000T23:19:09	000T00:20:26	2007-324T00:27:00	ISS_NAC TO TITAN (0.0,-20.0,0.0 DEG. POS_X TO NORTH_POLE DIR	
SP_052EA_DLTURN324_PRIME	M	2007-324T00:27:00		000T00:30:00	2007-324T00:57:00	XBAND TO EARTH	POS_X TO NEP	SP TURN TO EARTH
SP_052EA_M70ARRNON324_PRIME	C, M	2007-324T00:57:00		000T09:00:00	2007-324T09:57:00	XBAND TO EARTH	3_HR_ROLLING	
POINTER RESET IN PREPARATIO...		2007-324T09:57:00		000T00:00:01	2007-324T09:57:01			
CIRS_052TI_COMPMAP015_PRIME	M	2007-324T10:27:00		000T07:00:00	2007-324T17:27:00	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE DIR	
TOST REV 53 SEGMENT		2007-338T09:14:00		002T00:15:00	2007-340T09:29:00			
SP_053TI_WAYPTTURN338_PRIME	M	2007-338T09:14:00		000T00:30:00	2007-338T09:44:00	NEG_Y TO TITAN (0.0,-36.0,0.0 DEG. O	NEG_X TO SUN	SP TURN TO WAYPOINT
NEW WAYPOINT		2007-338T09:44:00		002T00:16:00	2007-340T10:00:00	NEG_Y TO TITAN (0.0,-36.0,0.0 DEG. C NEG_X TO SUN		
SP_053TI_DEADTIME338_PRIME		M	2007-338T09:44:00	000T00:15:50	2007-338T09:59:50	ISS_NAC TO TITAN NEG_X TO SUN		
CIRS_053TI_FIRNADCMP001_PRIME	C, I, M, U, V	2007-338T09:59:50	GMB_E053_TITAN38-000T14:07:00	000T04:07:00	2007-338T14:06:50	CIRS_FP1 TO TITAN	PIC	
ISS_053TI_PHOTOMWAC001_PRIME	C, M, U, V	2007-338T14:06:50	GMB_E053_TITAN38-000T10:00:00	000T01:00:00	2007-338T15:06:50	ISS_NAC TO TITAN	POS_X TO NORTH_POLE DIR	
UVIS_053TI_EUVFUV001_PRIME	M, V	2007-338T15:06:50	GMB_E053_TITAN38-000T09:00:00	000T03:30:00	2007-338T18:36:50	UVIS_FUV TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2007-338T18:36:50	GMB_E053_TITAN38-000T05:30:00	000T00:00:01	2007-338T18:36:51			
CIRS_053TI_FIRNADMAP001_PRIME	C, I, M, U, V	2007-338T18:36:50	GMB_E053_TITAN38-000T05:30:00	000T03:00:00	2007-338T21:36:50	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE DIR	PICK UP AT NEG_Y TO TITAN (0.0,-36.0,0.0 DEG. OFFSET), NEG_X TO SUN; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_053TI_FIRLMBINT001_PRIME	C, I, M, V	2007-338T21:36:50	GMB_E053_TITAN38-000T02:30:00	000T01:15:00	2007-338T22:51:50	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_053TI_FIRLMBEAER001_PRIME	C, I, M, V	2007-338T22:51:50	GMB_E053_TITAN38-000T01:15:00	000T00:25:00	2007-338T23:16:50	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_053TI_FIRLMBT001_PRIME	C, I, M, V	2007-338T23:16:50	GMB_E053_TITAN38-000T00:50:00	000T00:35:00	2007-338T23:51:50	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_X TO TITAN_SC_RAM.
MARKER FOR DUAL PLAYBACK. ...		2007-338T23:46:50	GMB_E053_TITAN38-000T00:20:00	000T00:00:01	2007-338T23:46:51			
VIMS_053TI_HIRESNAC001_PRIME	C, I, M	2007-338T23:51:50	GMB_E053_TITAN38-000T00:15:00	000T02:15:00	2007-339T02:06:50	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT CIRS_FP1 TO TITAN, NEG_X TO SC_RAM; HAND OFF AT ISS_NAC TO TITAN (0.0,- 36.0,0.0 DEG. OFFSET), NEG_X TO SUN. SECONDARY -X TO RAM AT C/A
MARKER FOR END OF HIGH VALU...		2007-339T02:06:50		000T00:00:01	2007-339T02:06:51			
ISS_053TI_REGMAP001_PRIME	C, V	2007-339T02:06:50	GMB_E053_TITAN38+000T02:00:00	000T02:00:00	2007-339T04:06:50	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN (0.0,-36.0,0.0 DEG. OFFSET), NEG_X TO SUN; HAND OFF AT ISS_NAC TO TITAN (-22.4,0.0,-5.6 DEG. OFFSET), NEG_X TO SUN.
CIRS_053TI_FIRNADMAP002_PRIME	C, I, V	2007-339T04:06:50	GMB_E053_TITAN38+000T04:00:00	000T01:00:00	2007-339T05:06:50	CIRS_FP1 TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN (-22.4,0.0,-5.6 DEG. OFFSET), NEG_X TO SUN; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN. PICK UP FROM ISS AT ISS_NAC TO TITAN, NEG_X TO SUN, OFFSET [-22.4, 0.0, -5.6] (DEGREES)
ISS_053TI_GLOBMAP001_PRIME	C, V	2007-339T05:06:50	GMB_E053_TITAN38+000T05:00:00	000T03:00:00	2007-339T08:06:50	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT ISS_NAC TO TITAN (-22.4,0.0,-5.6 DEG. OFFSET), NEG_X TO SUN.
VIMS_053TI_GLOBMAP003_PRIME	C	2007-339T08:06:50	GMB_E053_TITAN38+000T08:00:00	000T01:00:00	2007-339T09:06:50	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN (-22.4,0.0,-5.6 DEG. OFFSET), NEG_X TO SUN; HAND OFF AT NEG_Y TO TITAN (0.0,-36.0,0.0 DEG. OFFSET), NEG_X TO SUN. NEG_Y TO TITAN CENTER WITH A- 36 DEGREE ROTATION AROUND Y, NEG_X TO SUN
END CUSTOM PERIOD		2007-339T09:06:50	GMB_E053_TITAN38+000T09:00:00	000T00:00:01	2007-339T09:06:51			
CIRS_053TI_FIRNADCMP002_PRIME	C, I, V	2007-339T09:06:50	GMB_E053_TITAN38+000T09:00:00	000T02:00:00	2007-339T11:06:50	CIRS_FP1 TO TITAN (0.0,-36.0,0.0 DEG	PIC	
ISS_053TI_MONITORNAC001_PRIME	C, V	2007-339T11:06:50	GMB_E053_TITAN38+000T11:00:00	000T02:00:00	2007-339T13:06:50	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_053TI_GLOBMAP002_PRIME	C, I	2007-339T13:06:50	GMB_E053_TITAN38+000T13:00:00	000T01:00:00	2007-339T14:06:50	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_053TI_MDIRTMAP002_PRIME	C, I, R, U, V	2007-339T14:06:50	GMB_E053_TITAN38+000T14:00:00	000T09:37:00	2007-339T23:43:50	CIRS_FPB TO TITAN	POS_X TO NORTH_POLE DIR	
SP_053TI_DEADTIME339_PRIME		R	2007-339T23:43:50	GMB_E053_TITAN38+000T23:37:00	000T00:15:10	2007-339T23:59:00	ISS_NAC TO TITAN NEG_X TO SUN	

ISS_078TI_MONITORNA001_PRIME	C, V	2008-212T12:13:11	GMB_E078_TITAN45-000T14:00:00	000T02:00:00	2008-212T14:13:11	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_078TI_DLTURN213_PRIME	C	2008-212T14:13:11	GMB_E078_TITAN45-000T12:00:00	000T00:30:00	2008-212T14:43:11	XBAND TO EARTH	POS_X TO NTP	SP TURN TO WAYPOINT
NEW WAYPOINT		2008-212T14:43:11		001T10:36:49	2008-214T01:20:00	XBAND TO EARTH	POS_X TO NTP	
SP_078EA_G34ARRNON212_PRIME	C, M, R	2008-212T14:43:11	GMB_E078_TITAN45-000T11:30:00	000T11:36:49	2008-213T02:20:00	XBAND TO EARTH	POS_X TO NTP	
78TI (T) T45 TITAN OUTBOU...		2008-213T02:13:11		000T00:00:01	2008-213T02:13:12			
SP_078EA_C34HEFNON212_PRIME	C, M, R	2008-213T02:20:00	GMB_E078_TITAN45+000T00:06:49	000T04:38:11	2008-213T06:58:11	XBAND TO EARTH	POS_X TO NTP	
CIRS_078TI_MIRLMBMAP002_PRIME	C, I, U, V	2008-213T06:58:11	GMB_E078_TITAN45+000T04:45:00	000T03:30:00	2008-213T10:28:11	CIRS_FP3 TO TITAN	PIC	
SP_078EA_M34ARRNON212_PRIME	R	2008-213T10:29:00	GMB_E078_TITAN45+000T08:15:49	000T04:37:11	2008-213T15:06:11	XBAND TO EARTH	POS_X TO NTP	
SP_078TI_DEADTIME213_PRIME	R	2008-213T15:06:11	GMB_E078_TITAN45+000T12:53:00	000T00:13:49	2008-213T15:20:00	XBAND TO EARTH	POS_X TO NTP	
SP_078EA_DLTURN213_PRIME	R	2008-213T15:20:00		000T00:30:00	2008-213T15:50:00	XBAND TO EARTH	POS_X TO NTP	SP TURN TO EARTH
SP_078EA_G34ARRNON213_PRIME	C, R	2008-213T15:50:00		000T09:00:00	2008-214T00:50:00	XBAND TO EARTH	POS_X TO NTP	
APOAPSE PER = 7.4 D, INC = ...		2008-213T19:51:47		000T00:00:01	2008-213T19:51:48			
ISS_080TI_TITAN001_PRIME	U	2008-228T10:15:00		000T04:00:00	2008-228T14:15:00	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
ISS_081TI_TITAN001_PRIME		2008-229T00:30:00		000T10:10:00	2008-229T10:40:00	ISS_NAC TO TITAN	NEG_Z TO SUN	
CIRS_083TI_COMPMAP001_PRIME		2008-244T17:04:00		000T07:46:00	2008-245T00:50:00	CIRS_FP3 TO TITAN	NEG_Z TO NSP	
ISS_085TI_MR2CLD263_PRIME	C, U	2008-264T08:05:00	E085_MR2CLD263+000T00:00:00	000T01:15:00	2008-264T09:20:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_085TI_MR2CLD264_PRIME	C, U	2008-265T00:55:00	E085_MR2CLD264+000T00:00:00	000T01:15:00	2008-265T02:10:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_086TI_MR3CLD266_PRIME	U	2008-266T02:25:00	E086_MR3CLD266+000T00:00:00	000T01:15:00	2008-266T03:40:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_086TI_MR2CLD269_PRIME	U	2008-269T22:05:00	E086_MR2CLD269+000T00:00:00	000T01:15:00	2008-269T23:20:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_087TI_MR2CLD274_PRIME	U	2008-274T15:00:00	E087_MR2CLD274+000T00:00:00	000T01:15:00	2008-274T16:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_087TI_MR2CLD279_PRIME	C, U	2008-278T23:42:00	E087_MR2CLD279+000T00:00:00	000T01:15:00	2008-279T00:57:00	ISS_NAC TO TITAN (0.0,30.0,0.0 DEG. (POS_X TO NORTH_POLE_DIR	
ISS_088TI_MR2CLD281_PRIME	C, U	2008-281T22:00:00	E088_MR2CLD281+000T00:00:00	000T01:15:00	2008-281T23:15:00	ISS_NAC TO TITAN (0.0,25.0,0.0 DEG. (NEG_X TO SUN	
ISS_088TI_TITAN001_PRIME	C, U, V	2008-282T21:35:00		000T01:15:00	2008-282T22:50:00	ISS_NAC TO TITAN (0.0,63.0,0.0 DEG. (NEG_X TO SUN	
ISS_088TI_MR3CLD285_PRIME	C, U	2008-285T21:10:00	E088_MR3CLD285+000T00:00:00	000T01:15:00	2008-285T22:25:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_089TI_MR2CLD288_PRIME	C, U	2008-288T21:10:00	E089_MR2CLD288+000T00:00:00	000T01:15:00	2008-288T22:25:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_089TI_MR1CLD294_PRIME	C, U	2008-294T15:15:00	E090_MR1CLD294+000T00:00:00	000T01:15:00	2008-294T16:30:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_090TI_MR3CLD301_PRIME	C, U	2008-301T23:02:00	E090_MR3CLD301+000T00:00:00	000T01:15:00	2008-302T00:17:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T46 SEGMENT		2008-307T19:22:00		001T23:46:00	2008-309T19:08:00			
SP_091TI_WAYPTTURN307_PRIME		2008-307T19:22:00		000T00:40:00	2008-307T20:02:00	NEG_Y TO TITAN	POS_X TO NTP	
NEW WAYPOINT		2008-307T20:02:00		000T20:07:23	2008-308T16:09:23	NEG_Y TO TITAN	POS_X TO NTP	
SP_091TI_DEADTIME307_PRIME		2008-307T20:02:00		000T00:15:33	2008-307T20:17:33	NEG_Y TO TITAN	POS_X TO NTP	
CIRS_091TI_MIDIRTMAP001_PRIME	C, V	2008-307T20:17:33	GMB_E091_TITAN46-000T21:17:50	000T06:17:50	2008-308T02:35:23	CIRS_FP3 TO TITAN	POS_X TO NORTH_POLE_DIR	
CIRS_091TI_FIRNADCMP001_PRIME	C, V	2008-308T02:35:23	GMB_E091_TITAN46-000T15:00:00	000T06:00:00	2008-308T08:35:23	CIRS_FP1 TO TITAN	PIC	
ISS_091TI_GLOBMAP001_PRIME	C, V	2008-308T08:35:23	GMB_E091_TITAN46-000T09:00:00	000T04:00:00	2008-308T12:35:23	ISS_NAC TO TITAN	POS_X TO NTP	
ISS_091TI_REGMAP001_PRIME	C, V	2008-308T12:35:23	GMB_E091_TITAN46-000T05:00:00	000T01:30:00	2008-308T14:05:23	ISS_NAC TO TITAN	POS_X TO NORTH_POLE_DIR	
ENGR_091SC_URSS3RCS307_PRIME		2008-308T14:05:23	GMB_E091_TITAN46-000T03:30:00	000T00:01:00	2008-308T14:06:23			SET DB TO (.5, .5, .5)
CIRS_091TI_FIRNADMAP001_PRIME	C, I, M, R, V	2008-308T14:06:23	GMB_E091_TITAN46-000T03:29:00	000T02:01:00	2008-308T16:07:23	CIRS_FP1 TO TITAN	POS_X TO NORTH_POLE_DIR	
SP_091TI_WAYPTTURN409_PRIME	M, R	2008-308T16:07:23	GMB_E091_TITAN46-000T01:28:00	000T00:02:00	2008-308T16:09:23	XBAND TO EARTH	POS_X TO 72.61/51.84	ON THRUSTERS. 2 MIN TURN
NEW WAYPOINT		2008-308T16:09:23		000T02:42:35	2008-308T18:51:58	XBAND TO EARTH	POS_X TO 72.61/51.84	
RSS_091TI_BISTATIN001_PRIME	M, R	2008-308T16:09:23	GMB_E091_TITAN46-000T01:26:00	000T01:12:00	2008-308T17:21:23	XBAND TO TITAN	PIC	
RSS_091TI_OCC001_PRIME	M	2008-308T17:21:23	GMB_E091_TITAN46-000T00:14:00	000T00:33:00	2008-308T17:54:23	XBAND TO EARTH	PIC	1. POINTING DRIVEN WITH IVD FILE.
91TI (T) T46 TITAN OUTBOU...		2008-308T17:35:23		000T00:00:01	2008-308T17:35:24			
RSS_091TI_BISTATOUT001_PRIME	M	2008-308T17:54:23	GMB_E091_TITAN46+000T00:19:00	000T00:56:54	2008-308T18:51:17	XBAND TO TITAN	PIC	1. POINTING, DRIVEN WITH IVD FILE, TO SPECULAR POINT ON TITAN.
SP_091TI_WAYPTTURN407_PRIME	M	2008-308T18:51:18	GMB_E091_TITAN46+000T01:15:55	000T00:00:40	2008-308T18:51:58	XBAND TO EARTH (0.0,0.0,2.0 DEG. OF POS_X TO 72.61/51.84		ON THRUSTERS. 2 MIN TURN
NEW WAYPOINT		2008-308T18:51:58		000T00:12:25	2008-308T19:04:23	XBAND TO EARTH (0.0,0.0,2.0 DEG. OF POS_X TO 72.61/51.84		
SP_091TI_WAYPTTURN408_PRIME	C, M	2008-308T18:51:58	GMB_E091_TITAN46+000T01:16:35	000T00:12:25	2008-308T19:04:23	NEG_Y TO TITAN	NEG_X TO NTP	ON THRUSTERS. 00:11:55 TURN/30 SEC MARGIN
NEW WAYPOINT		2008-308T19:04:23		001T01:18:37	2008-309T20:23:00	NEG_Y TO TITAN	NEG_X TO NTP	
ENGR_091SC_URSSKBIA308_PPS	C, M	2008-308T19:04:23	GMB_E091_TITAN46+000T01:29:00	000T00:21:07	2008-308T19:25:30			

UVIS_091TI_EUVFUV001_PRIME	C, I, M, V	2008-308T19:26:23	GMB_E091_TITAN46+000T01:51:00	000T07:09:00	2008-309T02:35:23	UVIS_FUV TO TITAN	NEG_Z TO SUN	
ISS_091TI_PHOTOMWAC001_PRIME	C, M, V	2008-309T02:35:23	GMB_E091_TITAN46+000T09:00:00	000T01:00:00	2008-309T03:35:23	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_091TI_FIRNADCMP002_PRIME	C, M, V	2008-309T03:35:23	GMB_E091_TITAN46+000T10:00:00	000T04:38:00	2008-309T08:13:23	CIRS_FP1 TO TITAN	PIC	
ISS_091TI_NIGHTNAC001_PRIME	C, M, V	2008-309T08:13:33	GMB_E091_TITAN46+000T14:38:10	000T01:00:00	2008-309T09:13:33	ISS_NAC TO TITAN	NEG_X TO NORTH_POLE_DIR	
SP_091TI_DEADTIME309_PRIME	M, V	2008-309T09:13:33	GMB_E091_TITAN46+000T15:38:10	000T00:14:26	2008-309T09:27:59	NEG_Y TO TITAN	NEG_X TO TITAN_SC_RAM	
SP_091EA_DLTURN309_PRIME	M, R	2008-309T09:28:00		000T00:40:00	2008-309T10:08:00	XBAND TO EARTH	POS_X TO NEP	
SP_091EA_G70METNON309_PRIME	C, M, R	2008-309T10:08:00		000T09:00:00	2008-309T19:08:00	XBAND TO EARTH	ROLLING/SRU	POS_X TO NEP
ISS_092TI_MR1CLD311_PRIME	C, R, U	2008-311T12:18:00	E092_MR1CLD311+000T00:00:00	000T01:15:00	2008-311T13:33:00	ISS_NAC TO TITAN	NEG_X TO SUN	
RADAR_092TI_NMIDLCA001_PRIME		2008-311T15:33:00		000T01:57:00	2008-311T17:30:00	NEG_Z TO TITAN	PIC	
ISS_092TI_MR2CLD314_PRIME	C, U	2008-314T19:33:00	E092_MR2CLD314+000T00:00:00	000T01:15:00	2008-314T20:48:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_093TI_MR3CLD318_PRIME		2008-318T01:49:00		000T01:15:00	2008-318T03:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T47 SEGMENT		2008-323T18:24:00		002T05:01:00	2008-325T23:25:00			
SP_093TI_WAYPTTURN323_PRIME	M	2008-323T18:24:00		000T00:40:00	2008-323T19:04:00	NEG_Y TO TITAN	NEG_Z TO SUN	NEG_Y TO TITAN, NEG_Z TO SUN
NEW WAYPOINT		2008-323T19:04:00		002T05:01:00	2008-326T00:05:00	NEG_Y TO TITAN	NEG_Z TO SUN	
SP_093TI_DEADTIME323_PRIME	M	2008-323T19:04:00		000T00:15:00	2008-323T19:19:00	NEG_Y TO TITAN	POS_X TO NTP	
VIMS_093TI_CLOUDMAP001_PRIME	C, I, M	2008-323T19:19:00	GMB_E093_TITAN47-000T20:37:28	000T07:37:28	2008-324T02:56:28	VIMS_IR TO TITAN	NEG_Z TO SUN	
VIMS_093TI_GLOBMAP001_PRIME	C, I, M	2008-324T02:56:28	GMB_E093_TITAN47-000T13:00:00	000T04:00:00	2008-324T06:56:28	VIMS_IR TO TITAN	NEG_Z TO SUN	
ISS_093TI_GLOBMAP001_PRIME	C, M, V	2008-324T06:56:28	GMB_E093_TITAN47-000T09:00:00	000T01:00:00	2008-324T07:56:28	ISS_NAC TO TITAN	NEG_Z TO SUN	
BEGIN CUSTOM PERIOD		2008-324T07:56:28	GMB_E093_TITAN47-000T08:00:00	000T00:00:01	2008-324T07:56:29	NEG_Y TO TITAN	NEG_Z TO SUN	
VIMS_093TI_MEDRES001_PRIME	C, I, M	2008-324T07:56:28	GMB_E093_TITAN47-000T08:00:00	000T03:00:00	2008-324T10:56:28	VIMS_IR TO TITAN	NEG_Z TO SUN	PICK UP AT NEG_Y TO TITAN, NEG_Z TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_Z TO SUN.
VIMS_093TI_REGMAP001_PRIME	C, I, M	2008-324T10:56:28	GMB_E093_TITAN47-000T05:00:00	000T03:00:00	2008-324T13:56:28	VIMS_IR TO TITAN	NEG_Z TO SUN	PICK UP AT NEG_Y TO TITAN, NEG_Z TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_Z TO SUN.
VIMS_093TI_HIRES001_PRIME	C, I, M	2008-324T13:56:28	GMB_E093_TITAN47-000T02:00:00	000T01:02:00	2008-324T14:58:28	VIMS_IR TO TITAN	NEG_Z TO SUN	PICK UP AT NEG_Y TO TITAN, NEG_Z TO SUN; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP.
UVIS_093ST_ETAUAMAT001_PRIME	C, M, V	2008-324T14:58:28	GMB_E093_TITAN47-000T00:58:00	000T00:11:00	2008-324T15:09:28	UVIS_FUV TO 206.885/49.313 (0.082, NEG_Z TO NTP	PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP.	
ENGR_093SC_ORSRCS324_PRIME	C, M, U, V	2008-324T15:09:28	GMB_E093_TITAN47-000T00:47:00	000T00:01:00	2008-324T15:10:28	UVIS_FUV TO 206.885/49.313 (0.082, NEG_Z TO NTP	PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP. DB (.5,.5,.5)-ACTUAL TRANSITION IS 20:51	
UVIS_093ST_ETAUAMAT002_PRIME	C, M, V	2008-324T15:10:28	GMB_E093_TITAN47-000T00:46:00	000T00:21:00	2008-324T15:31:28	UVIS_FUV TO 206.885/49.313 (0.082, NEG_Z TO NTP	PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP.	
VIMS_093TI_HIRES002_PRIME	C, I, M	2008-324T15:31:28	GMB_E093_TITAN47-000T00:25:00	000T00:49:00	2008-324T16:20:28	VIMS_IR TO TITAN (0.0,0.571,0.0 DEG. POS_Z TO SC_RAM	PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT UVIS_FUV TO 95.675/-17.956, POS_Z TO NORTH_POLE_DIR.	
BEGIN DUAL PLAYBACK SCIENCE		2008-324T15:51:28	GMB_E093_TITAN47-000T00:05:00	000T00:00:01	2008-324T15:51:29			
93TI (T) T47 TITAN OUTBOU...		2008-324T15:56:28		000T00:00:01	2008-324T15:56:29			
END DUAL PLAYBACK SCIENCE		2008-324T16:11:28	GMB_E093_TITAN47+000T00:15:00	000T00:00:01	2008-324T16:11:29			
UVIS_093ST_BETCMAT001_PRIME	C, M, V	2008-324T16:20:28	GMB_E093_TITAN47+000T00:24:00	000T00:16:00	2008-324T16:36:28	UVIS_FUV TO 95.675/-17.956 (0.082, POS_Z TO NORTH_POLE_DIR	PICK UP AT UVIS_FUV TO 95.675/-17.956, POS_Z TO NORTH_POLE_DIR; HAND OFF AT UVIS_FUV TO 95.675/-17.956 (0.082,0.0,0.0 DEG. OFFSET), POS_Z TO NORTH_POLE_DIR. UVIS_FUV TO STAR BETA CMA, POS_Z TO NORTH_POLE_DIR	
ENGR_093SC_DFPWBIAS324_PPS	C, M, U, V	2008-324T16:36:28	GMB_E093_TITAN47+000T00:40:00	000T00:22:00	2008-324T16:58:28	UVIS_FUV TO 95.675/-17.956 (0.082, POS_Z TO NORTH_POLE_DIR	PICK UP AT UVIS_FUV TO 95.675/-17.956 (0.082,0.0,0.0 DEG. OFFSET), POS_Z TO NORTH_POLE_DIR; HAND OFF AT UVIS_FUV TO 95.675/-17.956 (0.082,0.0,0.0 DEG. OFFSET), POS_Z TO NORTH_POLE_DIR. DB (.5,.5,.5) THROUGH THE TRANSITION	

CIRS_093TI_FIRLMBINT002_PRIME	C, M, U, V	2008-324T16:58:28	GMB_E093_TITAN47+000T01:02:00	000T01:13:00	2008-324T18:11:28	CIRS_FP1 TO TITAN	PIC	PICK UP AT UVIS_FUV TO 95.675/-17.956 (0.082,0.0,0.0 DEG. OFFSET), POS_Z TO NORTH_POLE_DIR; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_093TI_FIRNADMAP002_PRIME	C, I, V	2008-324T18:11:28	GMB_E093_TITAN47+000T02:15:00	000T02:45:00	2008-324T20:56:28	CIRS_FP1 TO TITAN	NEG_Z TO SUN	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_093TI_MIRLMBINT002_PRIME	C, I, U, V	2008-324T20:56:28	GMB_E093_TITAN47+000T05:00:00	000T04:00:00	2008-325T00:56:28	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_Z TO SUN.
ISS_093TI_PHOTOMWAC001_PRIME	C, V	2008-325T00:56:28	GMB_E093_TITAN47+000T09:00:00	000T01:00:00	2008-325T01:56:28	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT NEG_Y TO TITAN, NEG_Z TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_Z TO SUN.
END CUSTOM PERIOD		2008-325T01:56:28	GMB_E093_TITAN47+000T10:00:00	000T00:00:01	2008-325T01:56:29	NEG_Y TO TITAN	NEG_Z TO SUN	
CIRS_093TI_FIRNADCMP002_PRIME	C, I, V	2008-325T01:56:28	GMB_E093_TITAN47+000T10:00:00	000T03:00:00	2008-325T04:56:28	CIRS_FP1 TO TITAN	PIC	
ISS_093TI_NIGHTNAC001_PRIME	C, V	2008-325T04:56:28	GMB_E093_TITAN47+000T13:00:00	000T01:00:00	2008-325T05:56:28	ISS_NAC TO TITAN	NEG_Z TO SUN	
CIRS_093TI_MIDIRTMAP002_PRIME	C, I, V	2008-325T05:56:28	GMB_E093_TITAN47+000T14:00:00	000T02:00:00	2008-325T07:56:28	CIRS_FP1 TO TITAN	NEG_Z TO SUN	
SP_093TI_DEADTIME325_PRIME		2008-325T07:56:28	GMB_E093_TITAN47+000T16:00:00	000T00:13:32	2008-325T08:10:00	NEG_Y TO TITAN	POS_X TO NTP	
NAV_093SK_OPNAV251_PRIME		2008-325T08:10:00		000T01:14:00	2008-325T09:24:00	ISS_NAC TO SATELLITES	POS_Z TO NSP	START AT WAYPOINT, END AT EARTH POINT
NAV_093EA_DLTURN251_PRIME		2008-325T09:24:00		000T00:01:00	2008-325T09:25:00	XBAND TO EARTH	POS_X TO NEP	
SP_093EA_G70METSEQ325_PRIME	C	2008-325T09:25:00		000T09:00:00	2008-325T18:25:00	XBAND TO EARTH	ROLLING/BIAS	POS_X TO NEP
APOAPSE PER = 8.0 D, INC =...		2008-325T10:14:24		000T00:00:01	2008-325T10:14:25			
SPINTER RESET IN PREPARATIO...		2008-325T18:25:00		000T00:00:01	2008-325T18:25:01			
SP_094EA_C34BWGNON325_PRIME	C	2008-325T18:25:00		000T05:00:00	2008-325T23:25:00	XBAND TO EARTH	POS_X TO NEP	DSCAL OVER DUAL PLAYBACK
ISS_094TI_MR2CLD330_PRIME	C, U	2008-330T18:35:00	E094_MR2CLD330+000T00:00:00	000T01:15:00	2008-330T19:50:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_094TI_MR3CLD333_PRIME	C	2008-333T00:50:00	E094_MR3CLD333+000T00:00:00	000T01:15:00	2008-333T02:05:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_095TI_MR1CLDF338_PRIME	C	2008-339T02:46:00	E095_MR1CLDF338+000T00:00:00	000T01:15:00	2008-339T04:01:00	ISS_NAC TO TITAN (0.0,20.054,0.0 DE	NEG_X TO SUN	
TITAN FLYBY T48 SEGMENT		2008-339T17:26:00		002T04:01:00	2008-341T21:27:00			
SP_095TI_WAYPTTURN339_PRIME		2008-339T17:26:00		000T00:40:00	2008-339T18:06:00	NEG_Y TO TITAN	NEG_X TO 30.0/50.0	
NEW WAYPOINT		2008-339T18:06:00		002T04:01:00	2008-341T22:07:00	NEG_Y TO TITAN	NEG_X TO 30.0/50.0	
SP_095TI_DEADTIME339_PRIME		2008-339T18:06:00		000T00:15:33	2008-339T18:21:33	NEG_Y TO TITAN	NEG_X TO 30.0/50.0	
VIMS_095TI_GLOBMAP001_PRIME	C, I	2008-339T18:21:33	GMB_E095_TITAN48-000T20:04:12	000T07:04:12	2008-340T01:25:45	VIMS_IR TO TITAN	NEG_X TO 30.0/50.0	
CIRS_095TI_FIRNADCMP001_PRIME	C, I, R, U, V	2008-340T01:25:45	GMB_E095_TITAN48-000T13:00:00	000T04:00:00	2008-340T05:25:45	CIRS_FP1 TO TITAN	PIC	
ISS_095TI_GLOBMAP001_PRIME	C, R, V	2008-340T05:25:45	GMB_E095_TITAN48-000T09:00:00	000T04:00:00	2008-340T09:25:45	ISS_NAC TO TITAN	NEG_X TO NORTH_POLE_DIR	
ISS_095TI_REGMAP001_PRIME	C, R, V	2008-340T09:25:45	GMB_E095_TITAN48-000T05:00:00	000T02:00:00	2008-340T11:25:45	ISS_NAC TO TITAN	NEG_X TO NORTH_POLE_DIR	
CIRS_095TI_FIRLMBINT001_PRIME	C, I, M, R, U	2008-340T11:25:45	GMB_E095_TITAN48-000T03:00:00	000T01:00:00	2008-340T12:25:45	CIRS_FP1 TO TITAN	PIC	
ISS_095TI_HIGHRES001_PRIME	C, M, R, V	2008-340T12:25:45	GMB_E095_TITAN48-000T02:00:00	000T00:48:00	2008-340T13:13:45	ISS_NAC TO TITAN	NEG_X TO SUN	
ENGR_095SC_RADRCS340_PRIME	C, M, R	2008-340T13:13:45	GMB_E095_TITAN48-000T01:12:00	000T00:01:00	2008-340T13:14:45	NEG_Y TO TITAN (0.0,-40.0,0.0 DEG. O	NEG_X TO SUN	DB (.5, .5, .5)
ISS_095TI_TRNSITION001_PRIME	C, M, R	2008-340T13:14:45	GMB_E095_TITAN48-000T01:11:00	000T00:21:00	2008-340T13:35:45	ISS_NAC TO TITAN	NEG_X TO 30.0/50.0	
BEGIN CUSTOM PERIOD		2008-340T13:35:45	GMB_E095_TITAN48-000T00:50:00	000T00:00:01	2008-340T13:35:46			
RADAR_095TI_T48IHISAR001_PRIME	M	2008-340T13:35:45	GMB_E095_TITAN48-000T00:50:00	000T00:20:00	2008-340T13:55:45	NEG_Z TO TITAN	NEG_X TO 30.0/50.0	PICK UP AT NEG_Y TO TITAN, NEG_X TO 30.0/50.0; HAND OFF AT NEG_Z TO TITAN, NEG_X TO 30.0/50.0.
RADAR_095TI_T48INALT001_PRIME	M	2008-340T13:55:45	GMB_E095_TITAN48-000T00:30:00	000T00:12:00	2008-340T14:07:45	NEG_Z TO TITAN	NEG_X TO SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO 30.0/50.0; HAND OFF AT NEG_Z TO TITAN, NEG_X TO SC_RAM.
BEGIN DUAL PLAYBACK SCIENCE		2008-340T14:07:45	GMB_E095_TITAN48-000T00:18:00	000T00:00:01	2008-340T14:07:46			
RADAR_095TI_T48INSAR001_PRIME	M	2008-340T14:07:45	GMB_E095_TITAN48-000T00:18:00	000T00:13:00	2008-340T14:20:45	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO SC_RAM; HAND OFF AT NEG_X TO SC_RAM, NEG_Z TO TITAN. MUST BE AT INMS ATTITUDE BY -0:05:00.
RADAR_095TI_T48RASAR001_PRIME	M	2008-340T14:20:45	GMB_E095_TITAN48-000T00:05:00	000T00:27:00	2008-340T14:47:45	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT NEG_X TO SC_RAM, NEG_Z TO TITAN; HAND OFF AT UVIS_FUV TO 104.656/-28.972 (0.258,0.0,0.0 DEG. OFFSET), NEG_X TO 37.0/55.0. RIDE-ALONG.
95TI (T) T48 TITAN OUTBOU...		2008-340T14:25:45		000T00:00:01	2008-340T14:25:46			
END DUAL PLAYBACK SCIENCE		2008-340T14:40:45	GMB_E095_TITAN48+000T00:15:00	000T00:00:01	2008-340T14:40:46			
ENGR_095SC_DFPWBIAS340_PPS	C, M, U	2008-340T14:47:45	GMB_E095_TITAN48+000T00:22:00	000T00:21:04	2008-340T15:08:49	UVIS_FUV TO 104.656/-28.972 (0.258 NEG_X TO 37.0/55.0		PICK UP AT UVIS_FUV TO 104.656/-28.972 (0.258,0.0,0.0 DEG. OFFSET), NEG_X TO 37.0/55.0; HAND OFF AT UVIS_FUV TO 104.656/-28.972 (0.258,0.0,0.0 DEG. OFFSET), NEG_X TO 37.0/55.0. DEADBAND = (.5, .5, .5)

ISS_099TI_MR3CLD366_PRIME	C, U	2008-366T16:25:00	E099_MR3CLD366+000T00:00:00	000T01:15:00	2008-366T17:40:00	ISS_NAC TO TITAN	NEG_Z TO SUN	
ISS_099TI_MR2CLD002_PRIME	C, M, U	2009-002T16:25:00	E099_MR2CLD002+000T00:00:00	000T01:15:00	2009-002T17:40:00	ISS_NAC TO TITAN	NEG_Z TO SUN	
ISS_099TI_MR2HAZ006_PRIME	C, U	2009-006T16:11:00	E099_MR2HAZ006+000T00:00:00	000T01:15:00	2009-006T17:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
RADAR_099TI_SMIDLAL001_PRIME		2009-007T17:56:00		000T01:30:00	2009-007T19:26:00	NEG_Z TO TITAN (0.0,0.0,-3.0 DEG. OF POS_Y TO SUN		
ISS_100TI_MR2CLD009_PRIME	C, U	2009-009T15:55:00	E100_MR2CLD009+000T00:00:00	000T01:15:00	2009-009T17:10:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_100TI_CLOUD002_PRIME		2009-015T14:45:00		000T07:00:00	2009-015T21:45:00	ISS_NAC TO TITAN	NEG_X TO SUN	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_100TI_MR2CLD016_PRIME	C, U, V	2009-016T07:50:00	E100_MR2CLD016+000T00:00:00	000T01:15:00	2009-016T09:05:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_100TI_M30R2CLDF018_PRIME	C, R, U	2009-018T15:02:00	E100_M30R2CLDF018+000T00:00:00	000T01:25:00	2009-018T16:27:00	ISS_NAC TO TITAN (0.0,-15.0,0.0 DEG.	NEG_X TO NTP	
ISS_101TI_M150R2HZ025_PRIME	C, U	2009-025T07:28:00	E101_M150R2HZ025+000T00:00:00	000T01:15:00	2009-025T08:43:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_101TI_M60R3CLD028_PRIME	C, U	2009-028T17:00:00	E101_M60R3CLD028+000T00:00:00	000T01:15:00	2009-028T18:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_102TI_M30R3CLD030_PRIME	C, U	2009-030T06:58:00	E102_M30R3CLD030+000T00:00:00	000T01:15:00	2009-030T08:13:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_102TI_M30R3CLD031_PRIME	C, M, U	2009-031T10:23:00	E102_M30R3CLD031+000T00:00:00	000T01:15:00	2009-031T11:38:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_102TI_M90R1CLD033_PRIME	C, M, U	2009-033T13:00:00	E102_M90R1CLD033+000T00:00:00	000T01:15:00	2009-033T14:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_102TI_M90R1CLDF035_PRIME	C, U	2009-035T14:14:00	E102_M90R1CLDF035+000T00:00:00	000T01:15:00	2009-035T15:29:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_102TI_M90R1CLDF036_PRIME	C, U	2009-037T01:49:00	E102_M90R1CLDF036+000T00:00:00	000T01:15:00	2009-037T03:04:00	ISS_NAC TO TITAN	NEG_X TO NTP	
TITAN FLYBY T50 SEGMENT		2009-037T13:19:00		002T03:00:00	2009-039T16:19:00			
SP_102TI_WAYPTTURN037_PRIME	M	2009-037T13:19:00		000T00:40:00	2009-037T13:59:00	NEG_Y TO TITAN (0.0,-5.0,0.0 DEG. OF NEG_Z TO 359.0/-21.0	NEG_Y TO TITAN, NEG_Z RA/DEC 359/-21 (0,-5,0)	
NEW WAYPOINT		2009-037T13:59:00		002T02:45:00	2009-039T16:44:00	NEG_Y TO TITAN (0.0,-5.0,0.0 DEG. OF NEG_Z TO 359.0/-21.0		
SP_102TI_DEADTIME037_PRIME	M	2009-037T13:59:00		000T00:15:00	2009-037T14:14:00	NEG_Y TO TITAN (0.0,-5.0,0.0 DEG. OF NEG_Z TO 359.0/-21.0		
VIMS_102TI_CLOUD001_PRIME	C, I, M, U	2009-037T14:14:31	GMB_E102_TITAN50-000T18:36:20	000T05:36:20	2009-037T19:50:51	VIMS_IR TO TITAN (0.0,-5.0,0.0 DEG. C NEG_Z TO 359.0/-21.0		
CIRS_102TI_FIRNADCMP001_PRIME	C, I, M, R, U	2009-037T19:50:51	GMB_E102_TITAN50-000T13:00:00	000T03:30:00	2009-037T23:20:51	CIRS_FP1 TO TITAN	PIC	
CIRS_102TI_MIRLMBINT001_PRIME	C, I, M, R, V	2009-037T23:20:51	GMB_E102_TITAN50-000T09:30:00	000T04:00:00	2009-038T03:20:51	CIRS_FP2 TO TITAN	PIC	
RADAR_102TI_T50INRAD001_PRIME	M	2009-038T03:20:51	GMB_E102_TITAN50-000T05:30:00	000T03:30:00	2009-038T06:50:51	NEG_Z TO TITAN	NEG_X TO NTP	USE -X_NTP AND +Y_NTP FOR THE 2NDARY FOR THE TWO POLARIZATIONS.
RADAR_102TI_T50INSCAT001_PRIME	M	2009-038T06:50:51	GMB_E102_TITAN50-000T02:00:00	000T00:48:00	2009-038T07:38:51	NEG_Z TO TITAN	POS_Y TO NTP	
ENGR_102SC_RADRC038_PRIME	M	2009-038T07:38:51	GMB_E102_TITAN50-000T01:12:00	000T00:01:00	2009-038T07:39:51	NEG_Z TO TITAN	NEG_X TO NTP	DEADBAND (2,2,20)
RADAR_102TI_T50IHISAR001_PRIME	M	2009-038T07:39:51	GMB_E102_TITAN50-000T01:11:00	000T00:41:00	2009-038T08:20:51	NEG_Z TO TITAN	POS_Y TO NTP	
RADAR_102TI_T50INALT001_PRIME	M	2009-038T08:20:51	GMB_E102_TITAN50-000T00:30:00	000T00:18:00	2009-038T08:38:51	NEG_Z TO TITAN	POS_Y TO NTP	
BEGIN REROUTE OF INMS DATA ...		2009-038T08:35:51	GMB_E102_TITAN50-000T00:15:00	000T00:00:01	2009-038T08:35:52			
RADAR_102TI_T50RASAR001_PRIME	M	2009-038T08:38:51	GMB_E102_TITAN50-000T00:12:00	000T00:24:00	2009-038T09:02:51	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	RIDE-ALONG AT C/A.
BEGIN DUAL PLAYBACK SCIENCE		2009-038T08:45:51	GMB_E102_TITAN50-000T00:05:00	000T00:00:01	2009-038T08:45:52			
102TI (T) T50 TITAN OUTBO...		2009-038T08:50:51		000T00:00:01	2009-038T08:50:52			
END DUAL PLAYBACK SCIENCE		2009-038T08:55:51	GMB_E102_TITAN50+000T00:05:00	000T00:00:01	2009-038T08:55:52			
RADAR_102TI_T50OUTALT001_PRIME	M	2009-038T09:02:51	GMB_E102_TITAN50+000T00:12:00	000T00:18:00	2009-038T09:20:51	NEG_Z TO TITAN	NEG_X TO NTP	
END REROUTE OF INMS TO PS.		2009-038T09:05:51	GMB_E102_TITAN50+000T00:15:00	000T00:00:01	2009-038T09:05:52			
RADAR_102TI_T50OHISAR001_PRIME	M	2009-038T09:20:51	GMB_E102_TITAN50+000T00:30:00	000T00:20:00	2009-038T09:40:51	NEG_Z TO TITAN	NEG_X TO NTP	
ENGR_102SC_RADRWBIAS038_PPS	M	2009-038T09:40:51	GMB_E102_TITAN50+000T00:50:00	000T00:21:41	2009-038T10:02:32	NEG_Z TO TITAN	NEG_X TO NTP	DB (2,2,20)
RADAR_102TI_T50OUTSCT001_PRIME	M	2009-038T10:02:32	GMB_E102_TITAN50+000T01:11:41	000T00:48:19	2009-038T10:50:51	NEG_Z TO TITAN	NEG_X TO NTP	
RADAR_102TI_T50OUTRAD001_PRIME		2009-038T10:50:51	GMB_E102_TITAN50+000T02:00:00	000T04:00:00	2009-038T14:50:51	NEG_Z TO TITAN	NEG_X TO NTP	USE -X_NTP AND -Y_NTP FOR THE 2NDARY FOR THE TWO POLARIZATIONS.
UVIS_102TI_EUVFUV001_PRIME	C, I, V	2009-038T14:50:51	GMB_E102_TITAN50+000T06:00:00	000T03:00:00	2009-038T17:50:51	NEG_Y TO TITAN (0.0,-5.0,1.889 DEG. I NEG_Z TO 359.0/-21.0		USE PRIMARY AND SECONDARY OF WAYPOINT (AT END OF CUSTOM PERIOD) TO MINIMIZE TURNS.
ISS_102TI_PHOTOMWAC001_PRIME	C, V	2009-038T17:50:51	GMB_E102_TITAN50+000T09:00:00	000T01:00:00	2009-038T18:50:51	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_102TI_MIDIRTMAP002_PRIME	C, I, V	2009-038T18:50:51	GMB_E102_TITAN50+000T10:00:00	000T03:00:00	2009-038T21:50:51	CIRS_FP2 TO TITAN	NEG_Z TO 359.0/-21.0	
ISS_102TI_NIGHTNAC001_PRIME	C, V	2009-038T21:50:51	GMB_E102_TITAN50+000T13:00:00	000T00:30:00	2009-038T22:20:51	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_102TI_MIDIRTMAP003_PRIME	C, I, V	2009-038T22:20:51	GMB_E102_TITAN50+000T13:30:00	000T04:30:00	2009-039T02:50:51	CIRS_FP2 TO TITAN	NEG_Z TO 359.0/-21.0	
APOAPSE PER = 11.9 D, INC ...		2009-039T02:29:27		000T00:00:01	2009-039T02:29:28			

ISS_103TI_LRMONITOR001_PRIME		2009-039T02:50:51	GMB_E102_TITAN50+000T18:00:00	000T00:30:00	2009-039T03:20:51	ISS_NAC TO TITAN	NEG_Z TO 349.0/-11.0	
SP_103TI_DEADTIME039_PRIME		2009-039T03:20:51	GMB_E102_TITAN50+000T18:30:00	000T00:18:08	2009-039T03:38:59	NEG_Y TO TITAN (0.0,-5.0,0.0 DEG. OF NEG_Z TO 359.0/-21.0		
SP_103EA_DLTURNO39_PRIME		2009-039T03:39:00		000T00:40:00	2009-039T04:19:00	XBAND TO EARTH	POS_X TO NEP	
SP_103EA_G70METNONO39_PRIME	C	2009-039T04:19:00		000T09:00:00	2009-039T13:19:00	XBAND TO EARTH	ROLLING/BIAS	POS_X TO NEP
POINTER RESET IN PREPARATIO...		2009-039T13:19:00		000T00:00:01	2009-039T13:19:01			
SP_103EA_C34BWGNON039_PRIME	C	2009-039T13:19:00		000T03:00:00	2009-039T16:19:00	XBAND TO EARTH	ROLLING	POS_X TO NEP
RADAR_103TI_NMIDLAL003_PRIME		2009-042T01:04:00		000T01:30:00	2009-042T02:34:00	NEG_Z TO TITAN (0.0,0.0,5.0 DEG. OFF POS_Y TO SUN		
CIRS_103TI_COMPMAP001_PRIME	M	2009-044T13:13:00		000T08:17:00	2009-044T21:30:00	CIRS_FP1 TO TITAN	POS_Z TO NSP	
ISS_103TI_CLOUD001_PRIME	C, V	2009-046T06:00:00		000T09:15:00	2009-046T15:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_103TI_M30R2CLDF049_PRIME	C, U	2009-049T13:15:00	E103_M30R2CLDF049+000T00:00:00	000T01:15:00	2009-049T14:30:00	ISS_NAC TO TITAN	NEG_X TO NTP	
RADAR_104TI_NEQUACAL001_PRIME		2009-051T18:00:00		000T01:10:00	2009-051T19:10:00	NEG_Z TO TITAN	PIC	
ISS_104TI_M180R2HZ055_PRIME	C, U	2009-055T12:45:00	E104_M180R2HZ055+000T00:00:00	000T01:15:00	2009-055T14:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_104TI_M60R3CLD061_PRIME	C, U	2009-061T05:00:00	E104_M60R3CLD061+000T00:00:00	000T01:15:00	2009-061T06:15:00	ISS_NAC TO TITAN	NEG_X TO 36.154/-4.269	
ISS_105TI_M30R3CLD064_PRIME	C, U	2009-064T04:45:00	E105_M30R3CLD064+000T00:00:00	000T01:15:00	2009-064T06:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_105TI_M90R2CLD066_PRIME	C, U	2009-066T12:50:00	E105_M90R2CLD066+000T00:00:00	000T01:15:00	2009-066T14:05:00	ISS_NAC TO TITAN	NEG_X TO SUN	
RADAR_105TI_SMIDLAL003_PRIME		2009-071T23:55:00		000T01:30:00	2009-072T01:25:00	NEG_Z TO TITAN	PIC	
ISS_106TI_M60R2CLD075_PRIME	C, U	2009-075T04:00:00	E106_M60R2CLD075+000T00:00:00	000T01:15:00	2009-075T05:15:00	ISS_NAC TO TITAN (0.0,4.0,0.0 DEG. OI NEG_X TO SUN		
ISS_106TI_M60R2CLD077_PRIME	C, M, U	2009-077T03:45:00	E106_M60R2CLD077+000T00:00:00	000T01:15:00	2009-077T05:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
RADAR_106TI_NMIDLAL007_PRIME		2009-078T13:15:00		000T01:40:00	2009-078T14:55:00	NEG_Z TO TITAN	PIC	
ISS_106TI_CLOUD001_PRIME	V	2009-079T16:05:00		000T03:55:00	2009-079T20:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_106TI_CLOUD002_PRIME		2009-080T11:00:00		000T02:37:00	2009-080T13:37:00	ISS_NAC TO TITAN (0.0,-10.0,0.0 DEG. NEG_X TO SUN		SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_106TI_M90R1CLD081_PRIME	C, U	2009-081T11:00:00	E106_M90R1CLD081+000T00:00:00	000T01:15:00	2009-081T12:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_106TI_M90R1CLD083_PRIME	C, U	2009-083T11:00:00	E106_M90R1CLD083+000T00:00:00	000T01:15:00	2009-083T12:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T51 SEGMENT		2009-085T10:05:00		002T06:45:00	2009-087T16:50:00			
SP_106EA_S49IVP085_PRIME		2009-085T10:05:00		000T00:06:00	2009-085T10:11:00	XBAND TO EARTH	POS_X TO NEP	S49 IVP GAP
SP_106TI_WAYPTTURN085_PRIME		2009-085T10:11:00		000T00:42:00	2009-085T10:53:00	NEG_Y TO TITAN	NEG_X TO NORTH_POLE_DIR	
NEW WAYPOINT		2009-085T10:53:00		002T06:37:00	2009-087T17:30:00	NEG_Y TO TITAN	NEG_X TO NORTH_POLE_DIR	
SP_106TI_DEADTIME085_PRIME		2009-085T10:53:00		000T00:07:31	2009-085T11:00:31	NEG_Y TO TITAN	NEG_X TO NORTH_POLE_DIR	
CIRS_106TI_MIDRTMAP001_PRIME	C, I, V	2009-085T11:00:31	GMB_E106_TITAN51-000T17:43:05	000T03:43:05	2009-085T14:43:36	CIRS_FP1 TO TITAN	POS_X TO 183.0/0.0	
ISS_106TI_MONITORNA001_PRIME	C, V	2009-085T14:43:36	GMB_E106_TITAN51-000T14:00:00	000T02:00:00	2009-085T16:43:36	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_106TI_FIRNADCMP001_PRIME	C, I, U, V	2009-085T16:43:36	GMB_E106_TITAN51-000T12:00:00	000T03:00:00	2009-085T19:43:36	CIRS_FP1 TO TITAN	PIC	
ISS_106TI_GLOBMAP001_PRIME	C, V	2009-085T19:43:36	GMB_E106_TITAN51-000T09:00:00	000T04:00:00	2009-085T23:43:36	ISS_NAC TO TITAN	NEG_X TO NTP	
VIMS_106TI_REGMAP001_PRIME	C, I, U	2009-085T23:43:36	GMB_E106_TITAN51-000T05:00:00	000T03:00:00	2009-086T02:43:36	VIMS_IR TO TITAN	NEG_X TO NORTH_POLE_DIR	
BEGIN CUSTOM PERIOD		2009-086T02:43:36	GMB_E106_TITAN51-000T02:00:00	000T00:00:01	2009-086T02:43:37	NEG_Y TO TITAN	NEG_X TO NORTH_POLE_DIR	
ISS_106TI_REGMAP001_PRIME	C, M, R, V	2009-086T02:43:36	GMB_E106_TITAN51-000T02:00:00	000T01:08:00	2009-086T03:51:36	ISS_NAC TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Y TO TITAN, NEG_X TO NORTH_POLE_DIR; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO TITAN_SC_RAM.
ENGR_106SC_URSS2RCS085_PRIME	C, M, R	2009-086T03:51:36	GMB_E106_TITAN51-000T00:52:00	000T00:01:00	2009-086T03:52:36	ISS_NAC TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT ISS_NAC TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO TITAN_SC_RAM. DB (.5,.5,2)
VIMS_106TI_HIRES001_PRIME	C, I, M, R	2009-086T03:52:36	GMB_E106_TITAN51-000T00:51:00	000T01:06:00	2009-086T04:58:36	VIMS_IR TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT ISS_NAC TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Y TO TITAN.
BEGIN DUAL PLAYBACK SCIENCE		2009-086T04:13:36	GMB_E106_TITAN51-000T00:30:00	000T00:00:01	2009-086T04:13:37			

END DUAL PLAYBACK SCIENCE 106TI (T) T51 TITAN OUTBO... APOAPSE PER = 16.5 D, INC...		2009-086T04:43:36	GMB_E106_TITAN51+000T00:00:00	000T00:00:01	2009-086T04:43:37			
RSS_107TI_BISTATOUT001_PRIME	C, M	2009-086T04:58:36	LUB_E106_TITAN51+000T00:15:00	000T01:13:00	2009-086T06:11:36	XBAND TO TITAN	NEG_Y TO 110.5/26.0	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Y TO TITAN; HAND OFF AT NEG_Y TO TITAN, POS_X TO SOUTH_POLE_DIR. 1. POINTING, DRIVEN WITH IVD FILE, TO SPECULAR POINT ON TITAN.
ENGR_107SA_DFPWBIA086_PPS	C, M	2009-086T06:11:36	GMB_E106_TITAN51+000T01:28:00	000T00:21:07	2009-086T06:32:43	NEG_Y TO TITAN	POS_X TO SOUTH_POLE_DIR	PICK UP AT NEG_Y TO TITAN, POS_X TO SOUTH_POLE_DIR; HAND OFF AT NEG_Y TO TITAN, POS_X TO SOUTH_POLE_DIR.
CIRS_107TI_FIRNADMAP002_PRIME	I, M, V	2009-086T06:32:43	GMB_E106_TITAN51+000T01:49:07	000T03:10:53	2009-086T09:43:36	CIRS_FP1 TO TITAN	POS_Z TO 168.0/0.0	PICK UP AT NEG_Y TO TITAN, POS_X TO SOUTH_POLE_DIR; HAND OFF AT CIRS_FPB TO TITAN, PIC.
CIRS_107TI_MIRLMBINT002_PRIME	C, I, U, V	2009-086T09:43:36	GMB_E106_TITAN51+000T05:00:00	000T04:00:00	2009-086T13:43:36	CIRS_FPB TO TITAN	PIC	PICK UP AT CIRS_FPB TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NORTH_POLE_DIR.
END CUSTOM PERIOD		2009-086T13:43:36	GMB_E106_TITAN51+000T09:00:00	000T00:00:01	2009-086T13:43:37	NEG_Y TO TITAN	NEG_X TO NORTH_POLE_DIR	
ISS_107TI_PHOTOMWAC001_PRIME	C, U, V	2009-086T13:43:36	GMB_E106_TITAN51+000T09:00:00	000T01:00:00	2009-086T14:43:36	ISS_NAC TO TITAN (0.0,90.0,0.0 DEG.	NEG_X TO SUN	
CIRS_107TI_FIRNADCMP002_PRIME	C, I, U, V	2009-086T14:43:36	GMB_E106_TITAN51+000T10:00:00	000T03:00:00	2009-086T17:43:36	CIRS_FP1 TO TITAN	PIC	
ISS_107TI_NIGHTNA001_PRIME	C, V	2009-086T17:43:36	GMB_E106_TITAN51+000T13:00:00	000T00:30:00	2009-086T18:13:36	ISS_NAC TO TITAN	NEG_X TO NTP	
CIRS_107TI_MIDIRTMAP002_PRIME	C, I, V	2009-086T18:13:36	GMB_E106_TITAN51+000T13:30:00	000T05:12:00	2009-086T23:25:36	CIRS_FPB TO TITAN	POS_Z TO 167.0/0.0	
ISS_107TI_NIGHTNA002_PRIME	C, V	2009-086T23:25:36	GMB_E106_TITAN51+000T18:42:00	000T00:30:00	2009-086T23:55:36	ISS_NAC TO TITAN	NEG_X TO NTP	
SP_107TI_DEADTIME087_PRIME		2009-086T23:55:36	GMB_E106_TITAN51+000T19:12:00	000T00:14:23	2009-087T00:09:59	NEG_Y TO TITAN	NEG_X TO NORTH_POLE_DIR	
SP_107EA_DLTURNO87_PRIME		2009-087T00:10:00		000T00:40:00	2009-087T00:50:00	XBAND TO EARTH	POS_X TO NEP	
SP_107EA_G34BWGNON087_PRIME	C	2009-087T00:50:00		000T02:30:00	2009-087T03:20:00	XBAND TO EARTH	ROLLING	POS_X TO NEP
SP_107EA_G70METNON087_PRIME	C, R	2009-087T03:20:00		000T06:30:00	2009-087T09:50:00	XBAND TO EARTH	ROLLING	POS_X TO NEP
PERIAPSE R = 19.667 RS, LAT...		2009-087T05:33:15		000T00:00:01	2009-087T05:33:16			
POINTER RESET IN PREPARATIO...		2009-087T09:50:00		000T00:00:01	2009-087T09:50:01			
SP_107EA_C34HEFNON087_PRIME	C, R	2009-087T09:50:00		000T07:00:00	2009-087T16:50:00	XBAND TO EARTH	ROLLING	POS_X TO NEP
TITAN FLYBY T52 SEGMENT		2009-093T09:34:00		001T23:45:00	2009-095T09:19:00			
SP_107TI_WAYPTTURN093_PRIME		2009-093T09:34:00		000T00:40:00	2009-093T10:14:00	NEG_Y TO TITAN	NEG_X TO 54.0/24.8	
NEW WAYPOINT		2009-093T10:14:00		001T23:45:00	2009-095T09:59:00	NEG_Y TO TITAN	NEG_X TO 54.0/24.8	
SP_107NA_DEADTIME093_PRIME		2009-093T10:14:00		000T00:15:34	2009-093T10:29:34	NEG_Y TO TITAN	NEG_X TO 54.0/24.8	
CIRS_107TI_MIDIRTMAP001_PRIME	C, I, V	2009-093T10:29:34	GMB_E108_TITAN52-000T15:18:13	000T01:48:13	2009-093T12:17:47	CIRS_FPB TO TITAN	POS_X TO 234.0/0.0	
ISS_107TI_NIGHTNAC001_PRIME	C, V	2009-093T12:17:47	GMB_E108_TITAN52-000T13:30:00	000T00:30:00	2009-093T12:47:47	ISS_NAC TO TITAN	NEG_X TO 54.0/24.8	
VIMS_107TI_CLOUDMAP001_PRIME	C, I	2009-093T12:47:47	GMB_E108_TITAN52-000T13:00:00	000T04:00:00	2009-093T16:47:47	VIMS_IR TO TITAN	NEG_X TO 54.0/24.8	
VIMS_107TI_MEDRESDRK001_PRIME	C, I, R	2009-093T16:47:47	GMB_E108_TITAN52-000T09:00:00	000T02:40:00	2009-093T19:27:47	VIMS_IR TO TITAN	NEG_X TO 54.0/24.8	
BEGIN CUSTOM PERIOD		2009-093T19:27:47	GMB_E108_TITAN52-000T06:20:00	000T00:00:01	2009-093T19:27:48	NEG_Y TO TITAN	NEG_X TO 54.0/24.8	
RADAR_107TI_T52INRAD001_PRIME		2009-093T19:27:47	GMB_E108_TITAN52-000T06:20:00	000T02:00:00	2009-093T21:27:47	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Y TO TITAN, NEG_X TO 54.0/24.8; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP. USE -X_NTP AND -Y_NTP FOR THE 2NDARY AXIS FOR POLARIZATIONS.
ENGR_107SC_RADRCS093_PRIME		2009-093T21:27:47	GMB_E108_TITAN52-000T04:20:00	000T00:01:00	2009-093T21:28:47	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP. (.5,.5,.5)
RADAR_107TI_T52INRAD002_PRIME		2009-093T21:28:47	GMB_E108_TITAN52-000T04:19:00	000T00:59:00	2009-093T22:27:47	NEG_Z TO TITAN	NEG_Y TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NTP. USE -X_NTP AND -Y_NTP FOR THE 2NDARY AXIS FOR POLARIZATIONS.
UVIS_107ST_ALPERITI001_PRIME	C, M, R	2009-093T22:27:47	GMB_E108_TITAN52-000T03:20:00	000T02:00:00	2009-094T00:27:47	UVIS_FUV TO 24.429/-57.237 (0.258,	NEG_X TO 54.0/24.8	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NTP; HAND OFF AT UVIS_FUV TO 24.429/-57.237 (0.258,0.0,0.0 DEG. OFFSET), NEG_X TO 54.0/24.8.
RSS_107TI_BISTATIN001_PRIME	M	2009-094T00:27:47	LUB_E108_TITAN52-000T01:20:00	000T00:58:00	2009-094T01:25:47	XBAND TO TITAN	POS_Y TO SATURN	PICK UP AT UVIS_FUV TO 24.429/-57.237 (0.258,0.0,0.0 DEG. OFFSET), NEG_X TO 54.0/24.8; HAND OFF AT XBAND TO TITAN, POS_Y TO SATURN.
RSS_107TI_OCC001_PRIME	M	2009-094T01:25:47	LUB_E108_TITAN52-000T00:22:00	000T00:34:00	2009-094T01:59:47	XBAND TO EARTH	POS_Y TO SATURN	PICK UP AT XBAND TO TITAN, POS_Y TO SATURN; HAND OFF AT XBAND TO EARTH, POS_Y TO SATURN. 1. POINTING DRIVEN WITH IVD FILE.
APOAPSE PER = 16.8 D, INC...		2009-094T01:29:37		000T00:00:01	2009-094T01:29:38			

108TI (T) T52 TITAN INBOU...		2009-094T01:47:47		000T00:00:01	2009-094T01:47:48				
RSS_108TI_BISTATOUT001_PRIME	M	2009-094T01:59:47	LUB_E108_TITAN52+000T00:12:00	000T01:16:00	2009-094T03:15:47	XBAND TO TITAN	NEG_X TO 54.0/35.0	PICK UP AT XBAND TO EARTH, POS_Y TO SATURN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 54.0/24.8. 1. POINTING, DRIVEN WITH IVD FILE, TO SPECULAR POINT ON TITAN.	
END CUSTOM PERIOD		2009-094T03:15:47	GMB_E108_TITAN52+000T01:28:00	000T00:00:01	2009-094T03:15:48	NEG_Y TO TITAN	NEG_X TO 54.0/24.8		
ENGR_108SC_DFPWBIAS094_PPS	C, M, V	2009-094T03:15:47	GMB_E108_TITAN52+000T01:28:00	000T00:21:07	2009-094T03:36:54	NEG_Y TO TITAN	NEG_X TO 54.0/24.8	DEADBAND: (2,2,2).	
CIRS_108TI_FIRNADMAP002_PRIME	C, I, M, V	2009-094T03:37:47	GMB_E108_TITAN52+000T01:50:00	000T01:40:00	2009-094T05:17:47	CIRS_FP1 TO TITAN	POS_X TO 233.0/-2.0		
ISS_108TI_REGMAP001_PRIME	C, V	2009-094T05:17:47	GMB_E108_TITAN52+000T03:30:00	000T01:30:00	2009-094T06:47:47	ISS_NAC TO TITAN	NEG_X TO SUN		
ISS_108TI_GLOBMAP001_PRIME	C, V	2009-094T06:47:47	GMB_E108_TITAN52+000T05:00:00	000T04:00:00	2009-094T10:47:47	ISS_NAC TO TITAN	NEG_X TO SUN		
CIRS_108TI_FIRNADCMP002_PRIME	C, I, U, V	2009-094T10:47:47	GMB_E108_TITAN52+000T09:00:00	000T03:00:00	2009-094T13:47:47	CIRS_FP1 TO TITAN	PIC		
ISS_108TI_MONITORNA001_PRIME	C, V	2009-094T13:47:47	GMB_E108_TITAN52+000T12:00:00	000T02:00:00	2009-094T15:47:47	ISS_NAC TO TITAN	NEG_X TO SUN		
CIRS_108TI_MIDIRMAP002_PRIME	C, I, U, V	2009-094T15:47:47	GMB_E108_TITAN52+000T14:00:00	000T07:36:47	2009-094T23:24:34	CIRS_FP1 TO TITAN	POS_X TO 235.0/0.0		
SP_108NA_DEADTIME094_PRIME		2009-094T23:24:34	GMB_E108_TITAN52+000T21:36:47	000T00:14:25	2009-094T23:38:59	NEG_Y TO TITAN	NEG_X TO 54.0/24.8		
SP_108EA_DLTURN095_PRIME	R	2009-094T23:39:00		000T00:40:00	2009-095T00:19:00	XBAND TO EARTH	NEG_X TO NEP		
SP_108EA_G34BWGNON095_PRIME	C, R	2009-095T00:19:00		000T02:15:00	2009-095T02:34:00	XBAND TO EARTH	ROLLING/BIAS	NEG_X TO NEP TO AVOID FR VIOLATIONS	
SP_108EA_G70METNON095_PRIME	C, R	2009-095T02:34:00		000T06:45:00	2009-095T09:19:00	XBAND TO EARTH	ROLLING/BIAS	NEG_X TO NEP TO AVOID FR VIOLATIONS	
ISS_108TI_M90R1CLD095_PRIME	C, U	2009-095T09:59:00	E108_M90R1CLD095+000T00:00:00	000T01:15:00	2009-095T11:14:00	ISS_NAC TO TITAN	NEG_X TO SUN		
ISS_108TI_M90R1CLD096_PRIME	C, U	2009-096T09:59:00	E108_M90R1CLD096+000T00:00:00	000T01:15:00	2009-096T11:14:00	ISS_NAC TO TITAN	NEG_X TO SUN		
ISS_108TI_M90R2CLD098_PRIME	C, U	2009-098T09:44:00	E108_M90R2CLD098+000T00:00:00	000T01:15:00	2009-098T10:59:00	ISS_NAC TO TITAN	NEG_X TO SUN		
ISS_108TI_M60R1CLD099_PRIME	C, U	2009-099T09:44:00	E108_M60R1CLD099+000T00:00:00	000T01:15:00	2009-099T10:59:00	ISS_NAC TO TITAN	NEG_X TO SUN		
ISS_108TI_CLOUD001_PRIME		2009-100T16:00:00		000T07:24:00	2009-100T23:24:00	ISS_NAC TO TITAN (0.0,-40.0,0.0 DEG.	NEG_X TO SUN	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE	
ISS_108TI_CLOUD002_PRIME		2009-101T10:05:00		000T10:00:00	2009-101T20:05:00	ISS_NAC TO TITAN (0.0,40.0,0.0 DEG.	NEG_X TO SUN	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE	
ISS_108TI_CLOUD003_PRIME		2009-101T22:05:00		000T06:44:00	2009-102T04:49:00	ISS_NAC TO TITAN (0.0,40.0,0.0 DEG.	NEG_X TO SUN	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE	
RADAR_108TI_NHIGLICAL001_PRIME		2009-105T21:23:00		000T01:30:00	2009-105T22:53:00	NEG_Z TO TITAN	PIC		
ISS_108TI_M120R2HZ106_PRIME	C, U	2009-106T09:13:00	E108_M120R2HZ106+000T00:00:00	000T01:15:00	2009-106T10:28:00	ISS_NAC TO TITAN	NEG_X TO SUN		
RADAR_108TI_NMIDLICAL008_PRIME		2009-106T20:33:00		000T01:30:00	2009-106T22:03:00	NEG_Z TO TITAN	PIC		
TITAN FLYBY T53 SEGMENT		2009-109T08:18:00		002T02:00:00	2009-111T10:18:00				
SP_109TI_WAYPTTURN109_PRIME		2009-109T08:18:00		000T00:40:00	2009-109T08:58:00	NEG_Y TO TITAN	NEG_X TO SUN		
NEW WAYPOINT		2009-109T08:58:00		002T01:57:00	2009-111T10:55:00	NEG_Y TO TITAN	NEG_X TO SUN		
SP_109TI_DEADTIME109_PRIME		2009-109T08:58:00		000T00:15:42	2009-109T09:13:42	NEG_Y TO TITAN	NEG_X TO SUN		
CIRS_109TI_FIRNADCMP001_PRIME	C, I, U, V	2009-109T09:13:42	GMB_E109_TITAN53-000T15:07:03	000T05:07:03	2009-109T14:20:45	CIRS_FP1 TO TITAN	PIC		
ISS_109TI_PHOTOMWAC001_PRIME	C, V	2009-109T14:20:45	GMB_E109_TITAN53-000T10:00:00	000T01:00:00	2009-109T15:20:45	ISS_NAC TO TITAN	NEG_X TO SUN		
VIMS_109TI_GLOBCLOUD001_PRIME	C, I	2009-109T15:20:45	GMB_E109_TITAN53-000T09:00:00	000T04:00:00	2009-109T19:20:45	VIMS_IR TO TITAN	NEG_X TO SUN		
VIMS_109TI_REGCLDAMP001_PRIME	C, I	2009-109T19:20:45	GMB_E109_TITAN53-000T05:00:00	000T02:00:00	2009-109T21:20:45	VIMS_IR TO TITAN	NEG_X TO SUN		
BEGIN CUSTOM PERIOD		2009-109T21:20:45	GMB_E109_TITAN53-000T03:00:00	000T00:00:01	2009-109T21:20:46	NEG_Y TO TITAN	NEG_X TO SUN		
UVIS_109ST_ALPERITI001_PRIME	C, M, V	2009-109T21:20:45	GMB_E109_TITAN53-000T03:00:00	000T01:25:00	2009-109T22:45:45	UVIS_FUV TO 24.429/-57.237 (0.258,	NEG_X TO SUN	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT UVIS_FUV TO 24.429/-57.237 (0.258,0.0,0.0 DEG. OFFSET), NEG_X TO SUN.	
CIRS_109TI_FIRLMBEAER001_PRIME	C, I, M, R, U,	2009-109T22:45:45	GMB_E109_TITAN53-000T01:35:00	000T00:37:10	2009-109T23:22:55	CIRS_FP1 TO TITAN	PIC	PICK UP AT UVIS_FUV TO 24.429/-57.237 (0.258,0.0,0.0 DEG. OFFSET), NEG_X TO SUN; HAND OFF AT CIRS_FP1 TO TITAN, POS_X TO 235.0/-19.0.	
CIRS_109TI_FIRLMBT001_PRIME	C, I, M, R, U,	2009-109T23:22:55	GMB_E109_TITAN53-000T00:57:50	000T00:47:50	2009-110T00:10:45	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, POS_X TO 235.0/-19.0; HAND OFF AT ISS_NAC TO SUN (-20.0,0.0,0.0 DEG. OFFSET), POS_X TO 300.0/42.0.	
BEGIN DUAL PLAYBACK SCIENCE		2009-110T00:10:45	GMB_E109_TITAN53-000T00:10:00	000T00:00:01	2009-110T00:10:46				

UVIS_109SU_USUNOCC001_PRIME	M, R, V	2009-110T00:10:45	GMB_E109_TITAN53-000T00:10:00	000T00:36:00	2009-110T00:46:45	ISS_NAC TO SUN (-20.0,0.0,-0.109 DEG POS_X TO 300.0/42.0	PICK UP AT ISS_NAC TO SUN (-20.0,0.0,0.0 DEG. OFFSET), POS_X TO 300.0/42.0; HAND OFF AT CIRS_FP1 TO TITAN, PIC. HANDOFF AGREEMENT: PRIMARY: CIRS_FP1 TO LAT_VIEW (-30, 90, RHS 0 KM), SECONDARY: POS_Z TO FOV_LIMB (SAME)
109TI (T) T53 TITAN INBOU...		2009-110T00:20:45		000T00:00:01	2009-110T00:20:46		
END DUAL PLAYBACK SCIENCE		2009-110T00:46:45	GMB_E109_TITAN53+000T00:26:00	000T00:00:01	2009-110T00:46:46		
CIRS_109TI_FIRLMBABER002_PRIME	C, I, M, R, U,	2009-110T00:46:45	GMB_E109_TITAN53+000T00:26:00	000T00:49:00	2009-110T01:35:45	CIRS_FP1 TO TITAN	PIC PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC. PRIMARY: CIRS_FP1 TO LAT_VIEW (-30, 90, RHS 0 KM), SECONDARY: POS_Z TO FOV_LIMB (SAME)
VIMS_109TI_HIRES001_PRIME	C, I, M, R	2009-110T01:35:45	GMB_E109_TITAN53+000T01:15:00	000T00:45:00	2009-110T02:20:45	VIMS_IR TO TITAN	NEG_X TO SUN PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
END CUSTOM PERIOD		2009-110T02:20:45	GMB_E109_TITAN53+000T02:00:00	000T00:00:01	2009-110T02:20:46	NEG_Y TO TITAN	NEG_X TO SUN
RADAR_109TI_T53OUTRAD001_PRIME	M	2009-110T02:20:45	GMB_E109_TITAN53+000T02:00:00	000T04:00:00	2009-110T06:20:45	NEG_Z TO TITAN	POS_Y TO NTP USE +Y_NTP AND -X_NTP FOR 2NDARY AXIS FOR POLARIZATIONS.
VIMS_109TI_MEDRES001_PRIME	C, I	2009-110T06:20:45	GMB_E109_TITAN53+000T06:00:00	000T02:30:00	2009-110T08:50:45	VIMS_IR TO TITAN	NEG_X TO SUN
ISS_109TI_GLOBMAP001_PRIME	C, V	2009-110T08:50:45	GMB_E109_TITAN53+000T08:30:00	000T00:30:00	2009-110T09:20:45	ISS_NAC TO TITAN	NEG_X TO SUN
VIMS_109TI_GLOBMAP001_PRIME	C, I	2009-110T09:20:45	GMB_E109_TITAN53+000T09:00:00	000T05:00:00	2009-110T14:20:45	VIMS_IR TO TITAN	NEG_X TO SUN
CIRS_109TI_MDIRTMAP002_PRIME	C, I, V	2009-110T14:20:45	GMB_E109_TITAN53+000T14:00:00	000T08:00:00	2009-110T22:20:45	CIRS_FP1 TO TITAN	POS_Z TO 238.0/0.0
SP_109TI_DEADTIME110_PRIME		2009-110T22:20:45	GMB_E109_TITAN53+000T22:00:00	000T00:17:14	2009-110T22:37:59	NEG_Y TO TITAN	NEG_X TO SUN
SP_109EA_DLTURN110_PRIME		2009-110T22:38:00		000T00:40:00	2009-110T23:18:00	XBAND TO EARTH	POS_X TO 287.03/75.72
SP_109EA_G70METNON110_PRIME	C, E	2009-110T23:18:00		000T09:00:00	2009-111T08:18:00	XBAND TO EARTH	ROLLING/BIAS POS_X TO 287.03/75.72
POINTER RESET IN PREPARATIO...		2009-111T08:18:00		000T00:00:01	2009-111T08:18:01		
SP_109EA_C70METNON111_PRIME	C	2009-111T08:18:00		000T02:00:00	2009-111T10:18:00	XBAND TO EARTH	ROLLING POS_X TO 287.03/75.72
ISS_109TI_M90R1CLD111_PRIME	C, U	2009-111T10:55:00	E109_M90R1CLD111+000T00:00:00	000T01:15:00	2009-111T12:10:00	ISS_NAC TO TITAN	NEG_X TO SUN
RADAR_109TI_SMIDLAL004_PRIME		2009-112T05:55:00		000T01:30:00	2009-112T22:25:00	NEG_Z TO TITAN	PIC
ISS_109TI_M60R1CLD114_PRIME	C, U	2009-114T08:40:00	E109_M60R1CLD114+000T00:00:00	000T01:15:00	2009-114T09:55:00	ISS_NAC TO TITAN (0.0,-20.0,0.0 DEG.	NEG_X TO SUN
SP_109TI_WAYPTTURN116_PRIME		2009-116T00:33:00		000T00:40:00	2009-116T01:13:00	NEG_Y TO TITAN	POS_X TO TITAN_SC_RAM
ISS_109TI_CLOUD001_PRIME	C, U, V	2009-116T01:13:00		000T06:32:00	2009-116T07:45:00	ISS_NAC TO TITAN	POS_X TO TITAN_SC_RAM SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_109TI_CLOUD002_PRIME	C, U, V	2009-116T11:30:00		000T09:52:00	2009-116T21:22:00	ISS_NAC TO TITAN	POS_X TO TITAN_SC_RAM SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_109TI_LDHEM001_PRIME	C, V	2009-116T21:22:00		000T00:45:00	2009-116T22:07:00	ISS_NAC TO TITAN	NEG_X TO SUN SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
SP_109TI_WAYPTTURN117_PRIME		2009-117T07:47:00		000T00:40:00	2009-117T08:27:00	NEG_Y TO TITAN	POS_X TO NSP
ISS_109TI_CLOUD003_PRIME	C, U, V	2009-117T08:27:00		000T15:46:00	2009-118T00:13:00	ISS_NAC TO TITAN	NEG_X TO SUN SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_109TI_LDHEM002_PRIME	C, V	2009-118T00:13:00		000T00:45:00	2009-118T00:58:00	ISS_NAC TO TITAN	NEG_X TO SUN SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_109TI_CLOUD004_PRIME	C, U, V	2009-118T00:58:00		000T01:24:00	2009-118T02:22:00	ISS_NAC TO TITAN	NEG_X TO SUN SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_109TI_M120R2HZ119_PRIME	C, M, U	2009-119T14:42:00	E109_M120R2HZ119+000T00:00:00	000T01:15:00	2009-119T15:57:00	ISS_NAC TO TITAN (0.0,-5.0,0.0 DEG. C	NEG_X TO SUN
TITAN FLYBY T54 SEGMENT		2009-125T07:16:00		002T00:00:00	2009-127T07:16:00		
SP_110EA_S50IVP125_PRIME		2009-125T07:16:00		000T00:06:00	2009-125T07:22:00	XBAND TO EARTH	POS_X TO NEP S50 IVP GAP
SP_110TI_WAYPTTURN125_PRIME		2009-125T07:22:00		000T00:40:00	2009-125T08:02:00	NEG_Y TO TITAN	NEG_X TO SUN
NEW WAYPOINT		2009-125T08:02:00		000T10:02:16	2009-125T18:04:16	NEG_Y TO TITAN	NEG_X TO SUN
SP_110NA_DEADTIME001_PRIME		2009-125T08:02:00		000T00:09:47	2009-125T08:11:47	NEG_Y TO TITAN	NEG_X TO SUN
CIRS_110TI_MDIRTMAP001_PRIME	C, I, V	2009-125T08:11:47	GMB_E110_TITAN54-000T14:42:29	000T04:42:29	2009-125T12:54:16	CIRS_FP1 TO TITAN	NEG_Z TO 244.5/-22.8
ISS_110TI_PHOTOMWAC001_PRIME	C, V	2009-125T12:54:16	GMB_E110_TITAN54-000T10:00:00	000T01:00:00	2009-125T13:54:16	ISS_NAC TO TITAN	NEG_X TO SUN
CIRS_110TI_MIRLMBMAP001_PRIME	C, I, U, V	2009-125T13:54:16	GMB_E110_TITAN54-000T09:00:00	000T03:50:00	2009-125T17:44:16	CIRS_FP1 TO TITAN	PIC
SP_110TI_WAYPTTURN225_PRIME	C	2009-125T17:44:16	GMB_E110_TITAN54-000T05:10:00	000T00:20:00	2009-125T18:04:16	NEG_Y TO TITAN	NEG_X TO 58.0/24.0
NEW WAYPOINT		2009-125T18:04:16		001T13:51:44	2009-127T07:56:00	NEG_Y TO TITAN	NEG_X TO 58.0/24.0
BEGIN CUSTOM		2009-125T18:04:16	GMB_E110_TITAN54-000T04:50:00	000T00:00:01	2009-125T18:04:17		

SP_111EA_G34BWGNON142_PRIME	C	2009-142T22:04:00		000T02:00:00	2009-143T00:04:00	XBAND TO EARTH	ROLLING	POS_X TO NEP
SP_111EA_G70METNON142_PRIME	C	2009-143T00:04:00		000T05:55:00	2009-143T05:59:00	XBAND TO EARTH	ROLLING	POS_X TO NEP
SP_111SA_WAYPTTURN143_PRIME	C	2009-143T05:59:00		000T02:40:00	2009-143T08:39:00	ISS_NAC TO SATURN	NEG_X TO SUN	
NEW WAYPOINT		2009-143T08:39:00		002T12:20:00	2009-145T20:59:00	ISS_NAC TO SATURN	NEG_X TO SUN	
ISS_111TI_M60R1CLD143_PRIME	C, U	2009-143T08:39:00	E111_M60R1CLD143+000T00:00:00	000T01:15:00	2009-143T09:54:00	ISS_NAC TO TITAN	NEG_X TO SUN	
RADAR_111TI_SMIDLAL006_PRIME		2009-144T09:39:00		000T01:30:00	2009-144T11:09:00	NEG_Z TO TITAN	NEG_X TO SC_RAM	
ISS_111TI_M30R2CLDF145_PRIME	C, U	2009-145T06:39:00	E111_M30R2CLDF145+000T00:00:00	000T01:15:00	2009-145T07:54:00	ISS_NAC TO TITAN (0.0,52.0,0.0 DEG. OF NEG_X TO NTP		
ISS_111TI_M90R2CLD148_PRIME	C, U	2009-148T06:23:00	E111_M90R2CLD148+000T00:00:00	000T01:15:00	2009-148T07:38:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T56 SEGMENT		2009-157T05:12:00		002T01:45:00	2009-159T06:57:00			
SP_112TI_WAYPTTURN157_PRIME		2009-157T05:12:00		000T00:40:00	2009-157T05:52:00	NEG_Y TO TITAN	NEG_X TO 67.0/16.0	
NEW WAYPOINT		2009-157T05:52:00		002T01:43:00	2009-159T07:35:00	NEG_Y TO TITAN	NEG_X TO 67.0/16.0	
SP_112TI_DEADTIME157_PRIME		2009-157T05:52:00		000T00:15:49	2009-157T06:07:49	NEG_Y TO TITAN	NEG_X TO 67.0/16.0	
CIRS_112TI_FIRNADCMP001_PRIME	C, I, U, V	2009-157T06:07:49	GMB_E112_TITAN56-000T13:52:12	000T03:52:12	2009-157T10:00:01	CIRS_FP1 TO TITAN	PIC	
ISS_112TI_PHOTOMWAC001_PRIME	C, V	2009-157T10:00:01	GMB_E112_TITAN56-000T10:00:00	000T01:00:00	2009-157T11:00:01	ISS_NAC TO TITAN (0.0,3.0,0.0 DEG. OF NEG_X TO SUN		
VIMS_112TI_MEDRESDRK001_PRIME	C, I, R	2009-157T11:00:01	GMB_E112_TITAN56-000T09:00:00	000T03:50:00	2009-157T14:50:01	VIMS_IR TO TITAN	NEG_X TO 67.0/16.0	
BEGIN CUSTOM PERIOD		2009-157T14:50:01	GMB_E112_TITAN56-000T05:10:00	000T00:00:01	2009-157T14:50:02	NEG_Y TO TITAN	NEG_X TO 67.0/16.0	
RADAR_112TI_T56INRAD001_PRIME		2009-157T14:50:01	GMB_E112_TITAN56-000T05:10:00	000T03:10:00	2009-157T18:00:01	NEG_Z TO TITAN (0.0,0.0,30.0 DEG. OF NEG_Y TO NTP		PICK UP AT NEG_Y TO TITAN, NEG_X TO 67.0/16.0; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,30.0 DEG. OFFSET), NEG_X TO NTP. USE 2NDARY -Y_NTP(0,0,30) AND -X_NTP(0,0,30) FOR POLARIZATIONS.
RADAR_112TI_T56INSCAT001_PRIME	M	2009-157T18:00:01	GMB_E112_TITAN56-000T02:00:00	000T00:48:00	2009-157T18:48:01	NEG_Z TO TITAN (0.0,0.0,30.0 DEG. OF NEG_X TO NTP		PICK UP AT NEG_Z TO TITAN (0.0,0.0,30.0 DEG. OFFSET), NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,30.0 DEG. OFFSET), NEG_X TO NTP.
ENGR_112SC_RADRCS157_PRIME	M	2009-157T18:48:01	GMB_E112_TITAN56-000T01:12:00	000T00:01:00	2009-157T18:49:01	NEG_Z TO TITAN (0.0,0.0,30.0 DEG. OF NEG_X TO NTP		PICK UP AT NEG_Z TO TITAN (0.0,0.0,30.0 DEG. OFFSET), NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,30.0 DEG. OFFSET), NEG_X TO NTP. (0.5,0.5,0.5) DEADBAND
RADAR_112TI_T56IHISAR001_PRIME	M	2009-157T18:49:01	GMB_E112_TITAN56-000T01:11:00	000T00:41:00	2009-157T19:30:01	NEG_Z TO TITAN (0.0,0.0,30.0 DEG. OF NEG_X TO NTP		PICK UP AT NEG_Z TO TITAN (0.0,0.0,30.0 DEG. OFFSET), NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP.
RADAR_112TI_T56INALT001_PRIME	M	2009-157T19:30:01	GMB_E112_TITAN56-000T00:30:00	000T00:12:00	2009-157T19:42:01	NEG_Z TO TITAN	POS_Y TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN (0.0,0.0,-20.0 DEG. OFFSET), NEG_X TO TITAN_SC_RAM.
BEGIN DUAL PLAYBACK SCIENCE		2009-157T19:42:01	GMB_E112_TITAN56-000T00:18:00	000T00:00:01	2009-157T19:42:02			
RADAR_112TI_T56INOSAR001_PRIME	M	2009-157T19:42:01	GMB_E112_TITAN56-000T00:18:00	000T00:36:00	2009-157T20:18:01	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN (0.0,0.0,-20.0 DEG. OFFSET), NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
112TI (T) T56 TITAN INBOU...		2009-157T20:00:00		000T00:00:01	2009-157T20:00:01			
END DUAL PLAYBACK SCIENCE		2009-157T20:18:01	GMB_E112_TITAN56+000T00:18:00	000T00:00:01	2009-157T20:18:02			
RADAR_112TI_T56GOUTALT001_PRIME	M	2009-157T20:18:01	GMB_E112_TITAN56+000T00:18:00	000T00:14:00	2009-157T20:32:01	NEG_Z TO TITAN (0.0,0.0,20.0 DEG. OF NEG_X TO NTP		PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP.
ENGR_112SC_DFPWBIAS157_PPS	C, M, U, V	2009-157T20:32:01	GMB_E112_TITAN56+000T00:32:00	000T00:21:05	2009-157T20:53:06	UVIS_FUV TO 206.885/49.313 (0.082, NEG_Z TO NTP		PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP. (0.5,0.5,0.5) DEADBAND
UVIS_112ST_ETAUAMATI002_PRIME	C, M, V	2009-157T20:53:10	GMB_E112_TITAN56+000T00:53:09	000T00:47:51	2009-157T21:41:01	UVIS_FUV TO 206.885/49.313 (0.082, NEG_Z TO NTP		PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 67.0/16.0.
END CUSTOM PERIOD		2009-157T21:41:01	GMB_E112_TITAN56+000T01:41:00	000T00:00:01	2009-157T21:41:02	NEG_Y TO TITAN	NEG_X TO 67.0/16.0	
UVIS_112TI_EUVFUV001_PRIME	C, I, M, V	2009-157T21:41:01	GMB_E112_TITAN56+000T01:41:00	000T07:19:00	2009-158T05:00:01	UVIS_FUV TO TITAN (0.0,0.0,5.443 DEI POS_X TO 246.0/-21.4		
CIRS_112TI_FIRNADCMP002_PRIME	C, I, U, V	2009-158T05:00:01	GMB_E112_TITAN56+000T09:00:00	000T05:00:00	2009-158T10:00:01	CIRS_FP1 TO TITAN	PIC	
VIMS_112TI_GLOBMAP001_PRIME	C, I	2009-158T10:00:01	GMB_E112_TITAN56+000T14:00:00	000T09:02:48	2009-158T19:02:49	VIMS_IR TO TITAN	POS_X TO 244.0/-22.7	

SP_112TI_DEADTIME158_PRIME		2009-158T19:02:49	GMB_E112_TITAN56+000T23:02:48	000T00:14:11	2009-158T19:17:00	NEG_Y TO TITAN	NEG_X TO 67.0/16.0	
SP_112EA_DLTURN158_PRIME		2009-158T19:17:00		000T00:40:00	2009-158T19:57:00	XBAND TO EARTH	NEG_X TO NEP	
SP_112EA_G34BWGSEQ158_PRIME	C	2009-158T19:57:00		000T01:16:00	2009-158T21:13:00	XBAND TO EARTH	ROLLING	NEG_X TO NEP
SP_112EA_G70METSEQ158_PRIME	C	2009-158T21:13:00		000T04:35:00	2009-159T01:48:00	XBAND TO EARTH	ROLLING	NEG_X TO NEP
SP_112EA_C70METNON159_PRIME	C	2009-159T01:48:00		000T04:25:00	2009-159T06:13:00	XBAND TO EARTH	ROLLING	NEG_X TO NEP
POINTER RESET IN PREPARATIO...		2009-159T04:57:00		000T00:00:01	2009-159T04:57:01			
ISS_112TI_M30R1CLD160_PRIME	C, U	2009-160T05:30:00	E112_M30R1CLD160+000T00:00:00	000T01:15:00	2009-160T06:45:00	ISS_NAC TO TITAN	NEG_X TO SUN	
RADAR_112TI_NEQUACAL003_PRIME		2009-162T17:45:00		000T01:30:00	2009-162T19:15:00	NEG_Z TO TITAN	POS_X TO NEP	
ISS_112TI_M90R3CLD164_PRIME	C, M, U	2009-164T05:27:00	E112_M90R3CLD164+000T00:00:00	000T01:15:00	2009-164T06:42:00	ISS_NAC TO TITAN	NEG_Z TO 232.9/40.6	
RADAR_113TI_NMIDLAL011_PRIME	M	2009-169T22:30:00		000T01:30:00	2009-170T00:00:00	NEG_Z TO TITAN	PIC	
ISS_113TI_M150R2HZ170_PRIME	C, M, U	2009-170T21:20:00	E113_M150R2HZ170+000T00:00:00	000T01:15:00	2009-170T22:35:00	ISS_NAC TO TITAN (0.0,-13.0,0.0 DEG.	NEG_Z TO 232.9/40.6	
TITAN FLYBY T57 SEGMENT		2009-173T04:10:00		002T01:30:00	2009-175T05:40:00			
SP_113TI_WAYPTTURN173_PRIME		2009-173T04:10:00		000T00:40:00	2009-173T04:50:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2009-173T04:50:00		002T01:30:00	2009-175T06:20:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_113NA_DEADTIME001_PRIME		2009-173T04:50:00		000T00:15:48	2009-173T05:05:48	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_113TI_FIRNADCMP001_PRIME	C, I, V	2009-173T05:05:48	GMB_E113_TITAN57-000T13:26:47	000T03:26:47	2009-173T08:32:35	CIRS_FP1 TO TITAN	PIC	
ISS_113TI_NIGHTNAC001_PRIME	C, V	2009-173T08:32:35	GMB_E113_TITAN57-000T10:00:00	000T01:00:00	2009-173T09:32:35	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_113TI_EUVFUV001_PRIME	C, V	2009-173T09:32:35	GMB_E113_TITAN57-000T09:00:00	000T05:33:00	2009-173T15:05:35	UVIS_FUV TO TITAN	NEG_X TO 355.092/41.379	
ENGR_113SC_ORSRCS173_PRIME	C, R, U, V	2009-173T15:05:35	GMB_E113_TITAN57-000T03:27:00	000T00:01:00	2009-173T15:06:35	NEG_Y TO TITAN	NEG_X TO NTP	
UVIS_113TI_EUVFUV003_PRIME	C, R, V	2009-173T15:06:35	GMB_E113_TITAN57-000T03:26:00	000T01:11:00	2009-173T16:17:35	UVIS_FUV TO TITAN	NEG_X TO SUN	
CIRS_113TI_FIRLMBINT001_PRIME	C, I, M, R, U	2009-173T16:17:35	GMB_E113_TITAN57-000T02:15:00	000T01:05:00	2009-173T17:22:35	CIRS_FP1 TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2009-173T17:22:35	GMB_E113_TITAN57-000T01:10:00	000T00:00:01	2009-173T17:22:36			
RSS_113TI_OCC001_PRIME	C, M, R, X	2009-173T17:22:35	LUB_E113_TITAN57-000T01:10:00	000T00:50:12	2009-173T18:12:47	XBAND TO EARTH	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT XBAND TO EARTH, NEG_X TO TITAN_SC_RAM. 1. POINTING DRIVEN WITH IVD FILE.
RADAR_113TI_T57RASAR001_PRIME	M, R, X	2009-173T18:12:47	GMB_E113_TITAN57-000T00:19:48	000T00:32:18	2009-173T18:45:05	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT XBAND TO EARTH, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP. RIDE-ALONG AT C/A.
BEGIN DUAL PLAYBACK SCIENCE		2009-173T18:27:35	GMB_E113_TITAN57-000T00:05:00	000T00:00:01	2009-173T18:27:36			
113TI (T) T57 TITAN INBOU...		2009-173T18:32:35		000T00:00:01	2009-173T18:32:36			
END DUAL PLAYBACK SCIENCE		2009-173T18:37:35	GMB_E113_TITAN57+000T00:05:00	000T00:00:01	2009-173T18:37:36			
RADAR_113TI_T57OUTALT001_PRIME	M, X	2009-173T18:45:05	GMB_E113_TITAN57+000T00:12:30	000T00:17:30	2009-173T19:02:35	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP.
RADAR_113TI_T57OHISAR001_PRIME	M	2009-173T19:02:35	GMB_E113_TITAN57+000T00:30:00	000T00:20:00	2009-173T19:22:35	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP.
ENGR_113SC_RADRWBIAS173_PPS	M	2009-173T19:22:35	GMB_E113_TITAN57+000T00:50:00	000T00:21:41	2009-173T19:44:16	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP.
RADAR_113TI_T57OUTSCT001_PRIME	M	2009-173T19:44:16	GMB_E113_TITAN57+000T01:11:41	000T00:48:19	2009-173T20:32:35	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP.
RADAR_113TI_T57OUTRAD001_PRIME		2009-173T20:32:35	GMB_E113_TITAN57+000T02:00:00	000T03:30:00	2009-174T00:02:35	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NTP. USE 2NDARY -X_NTP AND +Y_NTP FOR POLARIZATIONS.
END CUSTOM PERIOD		2009-174T00:02:35	GMB_E113_TITAN57+000T05:30:00	000T00:00:01	2009-174T00:02:36			
UVIS_113TI_EUVFUV002_PRIME	C, I, V	2009-174T00:02:35	GMB_E113_TITAN57+000T05:30:00	000T03:00:00	2009-174T03:02:35	UVIS_FUV TO TITAN	NEG_X TO SUN	
ISS_113TI_PHOTOMWAC001_PRIME	C, V	2009-174T03:02:35	GMB_E113_TITAN57+000T08:30:00	000T00:30:00	2009-174T03:32:35	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_113TI_GLOBMAP001_PRIME	C, I	2009-174T03:32:35	GMB_E113_TITAN57+000T09:00:00	000T05:00:00	2009-174T08:32:35	VIMS_IR TO TITAN	NEG_X TO SUN	
CIRS_113TI_MIDIRTMAP002_PRIME	C, I, V	2009-174T08:32:35	GMB_E113_TITAN57+000T14:00:00	000T08:00:00	2009-174T16:32:35	CIRS_FP1 TO TITAN	NEG_X TO NORTH_POLE_DIR	
SP_113NA_DEADTIME003_PRIME		2009-174T16:32:35	GMB_E113_TITAN57+000T22:00:00	000T00:27:24	2009-174T16:59:59	NEG_Y TO TITAN	NEG_X TO NTP	
SP_113EA_DLTURN174_PRIME		2009-174T17:00:00		000T00:40:00	2009-174T17:40:00	XBAND TO EARTH	NEG_X TO NEP	
SP_113EA_G70METNON174_PRIME	C, R, X	2009-174T17:40:00		000T10:00:00	2009-175T03:40:00	XBAND TO EARTH	6_HR_ROLLING	NEG_X TO NEP
POINTER RESET IN PREPARATIO...		2009-175T03:40:00		000T00:00:01	2009-175T03:40:01			
SP_113EA_C70METNON175_PRIME	C, X	2009-175T03:40:00		000T02:00:00	2009-175T05:40:00	XBAND TO EARTH	NEG_X TO NEP	
ISS_113TI_M30R2CLD176_PRIME	C, U	2009-176T04:35:00	E113_M30R2CLD176+000T00:00:00	000T01:15:00	2009-176T05:50:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_113TI_M90R3CLD179_PRIME	C, U	2009-179T10:10:00	E113_M90R3CLD179+000T00:00:00	000T01:15:00	2009-179T11:25:00	ISS_NAC TO TITAN	POS_X TO 232.0/2.0	

ISS_114TI_M150R2HZ186_PRIME	C, M, U	2009-186T20:18:00	E114_M150R2HZ186+000T00:00:00	000T01:15:00	2009-186T21:33:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T58 SEGMENT		2009-189T04:00:00		002T00:53:00	2009-191T04:53:00			
SP_114TI_WAYPTTURN189_PRIME		2009-189T04:00:00		000T00:30:00	2009-189T04:30:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2009-189T04:30:00		002T01:05:00	2009-191T05:35:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_114TI_DEADTIME189_PRIME		2009-189T04:30:00		000T00:14:59	2009-189T04:44:59	NEG_Y TO TITAN	NEG_X TO SUN	
VIMS_114TI_CLOUDMAP001_PRIME	C, I	2009-189T04:44:59	GMB_E114_TITAN58-000T12:19:04	000T03:19:04	2009-189T08:04:03	VIMS_IR TO TITAN	NEG_X TO SUN	
UVIS_114TI_EUVFUV001_PRIME	C, I, V	2009-189T08:04:03	GMB_E114_TITAN58-000T09:00:00	000T03:50:00	2009-189T11:54:03	UVIS_FUV TO TITAN	NEG_X TO 5.124/49.178	
UVIS_114TI_EUVFUV002_PRIME	C, I, R, V	2009-189T11:54:03	GMB_E114_TITAN58-000T05:10:00	000T02:50:00	2009-189T14:44:03	UVIS_FUV TO TITAN	NEG_X TO 5.768/51.367	
VIMS_114TI_HIRES001_PRIME	C, I, M, R	2009-189T14:44:03	GMB_E114_TITAN58-000T02:20:00	000T00:48:00	2009-189T15:32:03	VIMS_IR TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2009-189T15:32:03	GMB_E114_TITAN58-000T01:32:00	000T00:00:01	2009-189T15:32:04			
UVIS_114SU_USUNOCC001_PRIME	C, M, R, V	2009-189T15:32:03	GMB_E114_TITAN58-000T01:32:00	000T01:05:00	2009-189T16:37:03	ISS_NAC TO SUN (-20.0,0.0,-0.11 DEG. POS_X TO 112.55/-42.36	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT ISS_NAC TO SUN (-20.0,0.0,-0.11 DEG. OFFSET), POS_X TO 112.55/-42.36.	
BEGIN DUAL PLAYBACK SCIENCE		2009-189T16:07:03	GMB_E114_TITAN58-000T00:57:00	000T00:00:01	2009-189T16:07:04			
ENGR_114SC_RADRCS189_PRIME	M	2009-189T16:37:03	GMB_E114_TITAN58-000T00:27:00	000T00:01:00	2009-189T16:38:03	ISS_NAC TO SUN (-20.0,0.0,-0.11 DEG. POS_X TO 112.55/-42.36	PICK UP AT ISS_NAC TO SUN (-20.0,0.0,-0.11 DEG. OFFSET), POS_X TO 112.55/-42.36; HAND OFF AT ISS_NAC TO SUN (-20.0,0.0,-0.11 DEG. OFFSET), POS_X TO 112.55/-42.36. DEADBAND (.5,.5,.5) THROUGHOUT THE FLYBY	
RADAR_114TI_T58INOSAR001_PRIME	M	2009-189T16:38:03	GMB_E114_TITAN58-000T00:26:00	000T00:52:00	2009-189T17:30:03	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT ISS_NAC TO SUN (-20.0,0.0,-0.11 DEG. OFFSET), POS_X TO 112.55/-42.36; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP.
114TI (T) T58 TITAN INBOU... END DUAL PLAYBACK SCIENCE		2009-189T17:04:03	GMB_E114_TITAN58+000T00:06:00	000T00:00:01	2009-189T17:04:04			
ENGR_114SC_DFPWBIAS189_PPS	C, M, U, V	2009-189T17:30:03	GMB_E114_TITAN58+000T00:26:00	000T00:21:05	2009-189T17:51:08	UVIS_FUV TO 206.885/49.313 (0.082, NEG_Z TO NTP	PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP. DEADBAND (.5,.5,.5) THROUGH TRANSITION	
UVIS_114ST_ETAUAMAT001_PRIME	C, M, V	2009-189T17:51:08	GMB_E114_TITAN58+000T00:47:05	000T00:37:55	2009-189T18:29:03	UVIS_FUV TO 206.885/49.313 (0.082, NEG_Z TO NTP	PICK UP AT UVIS_FUV TO 206.885/49.313 (0.082,0.0,0.0 DEG. OFFSET), NEG_Z TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.	
END CUSTOM PERIOD		2009-189T18:29:03	GMB_E114_TITAN58+000T01:25:00	000T00:00:01	2009-189T18:29:04			
VIMS_114TI_HIRES002_PRIME	C, I, M	2009-189T18:29:03	GMB_E114_TITAN58+000T01:25:00	000T00:35:00	2009-189T19:04:03	VIMS_IR TO TITAN	NEG_X TO SUN	
CIRS_114TI_FIRNADMAP002_PRIME	C, I, V	2009-189T19:04:03	GMB_E114_TITAN58+000T02:00:00	000T01:30:00	2009-189T20:34:03	CIRS_FP1 TO TITAN	NEG_X TO NORTH_POLE_DIR	
ISS_114TI_REGMAP001_PRIME	C, V	2009-189T20:34:03	GMB_E114_TITAN58+000T03:30:00	000T01:30:00	2009-189T22:04:03	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_114TI_GLOBMAP001_PRIME	C, V	2009-189T22:04:03	GMB_E114_TITAN58+000T05:00:00	000T04:00:00	2009-190T02:04:03	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_114TI_FIRNADCMP001_PRIME	C, I, U, V	2009-190T02:04:03	GMB_E114_TITAN58+000T09:00:00	000T03:00:00	2009-190T05:04:03	CIRS_FP1 TO TITAN	PIC	
ISS_114TI_MONITORNAA001_PRIME	C, V	2009-190T05:04:03	GMB_E114_TITAN58+000T12:00:00	000T02:00:00	2009-190T07:04:03	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_114TI_GLOBMAP001_PRIME	C	2009-190T07:04:03	GMB_E114_TITAN58+000T14:00:00	000T09:00:00	2009-190T16:04:03	VIMS_IR TO TITAN	NEG_X TO SUN	
SP_114TI_DEADTIME190_PRIME		2009-190T16:04:03	GMB_E114_TITAN58+000T23:00:00	000T00:08:56	2009-190T16:12:59	NEG_Y TO TITAN	NEG_X TO SUN	
SP_114EA_DLTURN190_PRIME		2009-190T16:13:00		000T00:40:00	2009-190T16:53:00	XBAND TO EARTH	NEG_X TO NEP	
SP_114EA_G70METNON190_PRIME	C	2009-190T16:53:00		000T10:00:00	2009-191T02:53:00	XBAND TO EARTH	6_HR_ROLLING	NEG_X TO NEP
POINTER RESET IN PREPARATIO...		2009-191T02:53:00		000T00:00:01	2009-191T02:53:01			
SP_114EA_C70METNON190_PRIME	C	2009-191T02:53:00		000T02:00:00	2009-191T04:53:00	XBAND TO EARTH	NEG_X TO NEP	
ISS_114TI_M90R3CLD193_PRIME	C, U	2009-193T19:45:00	E114_M90R3CLD193+000T00:00:00	000T01:15:00	2009-193T21:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_115TI_M180R2HZ202_PRIME	C, M, U	2009-202T19:10:00	E115_M180R2HZ202+000T00:00:00	000T01:15:00	2009-202T20:25:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T59 SEGMENT		2009-204T21:51:00		001T10:09:00	2009-206T08:00:00			
SP_115EA_S52IVP204_PRIME		2009-204T21:51:00		000T00:06:00	2009-204T21:57:00	XBAND TO EARTH	POS_X TO 271.99/61.24	S52 IVP GAP
SP_115TI_WAYPTTURN204_PRIME		2009-204T21:57:00		000T00:40:00	2009-204T22:37:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2009-204T22:37:00		001T10:18:00	2009-206T08:55:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_115TI_DEADTIME204_PRIME		2009-204T22:37:00		000T00:10:07	2009-204T22:47:07	NEG_Y TO TITAN	NEG_X TO SUN	
ISS_115TI_NIGHTNAC001_PRIME	C, V	2009-204T22:47:07	GMB_E115_TITAN59-000T16:46:56	000T00:46:56	2009-204T23:34:03	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_115TI_MIDIRMAP001_PRIME	I, V	2009-204T23:34:03	GMB_E115_TITAN59-000T16:00:00	000T03:00:00	2009-205T02:34:03	CIRS_FPB TO TITAN	NEG_X TO 331.4/57.3	
CIRS_115TI_FIRNADCMP001_PRIME	I, V	2009-205T02:34:03	GMB_E115_TITAN59-000T13:00:00	000T03:00:00	2009-205T05:34:03	CIRS_FP1 TO TITAN	PIC	
ISS_115TI_PHOTOMWAC001_PRIME	C, V	2009-205T05:34:03	GMB_E115_TITAN59-000T10:00:00	000T01:00:00	2009-205T06:34:03	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_115TI_MIRLMBMAP001_PRIME	C, I, R, V	2009-205T06:34:03	GMB_E115_TITAN59-000T09:00:00	000T04:00:00	2009-205T10:34:03	CIRS_FPB TO TITAN	PIC	
VIMS_115TI_REGMAP001_PRIME	C, I, R	2009-205T10:34:03	GMB_E115_TITAN59-000T05:00:00	000T03:00:00	2009-205T13:34:03	VIMS_IR TO TITAN	POS_X TO 258.3/8.4	
BEGIN CUSTOM PERIOD		2009-205T13:24:03	GMB_E115_TITAN59-000T02:10:00	000T00:00:01	2009-205T13:24:04	NEG_Y TO TITAN	NEG_X TO SUN	

CAPS_115TI_TITANPTG001_PRIME	C, M, R	2009-205T13:34:03	GMB_E115_TITAN59-000T02:00:00	000T01:13:00	2009-205T14:47:03	NEG_X TO TITAN_SC_RAM	POS_Y TO COROT	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_X TO TITAN_SC_RAM, POS_Y TO COROT.
ENGR_115SC_RADRC205_PRIME	C, M, R	2009-205T14:47:03	GMB_E115_TITAN59-000T00:47:00	000T00:01:00	2009-205T14:48:03	NEG_X TO TITAN_SC_RAM	POS_Y TO COROT	PICK UP AT NEG_X TO TITAN_SC_RAM, POS_Y TO COROT; HAND OFF AT NEG_X TO TITAN_SC_RAM, POS_Y TO COROT.
CAPS_115TI_TITANPTG002_PRIME	C, M, R	2009-205T14:48:03	GMB_E115_TITAN59-000T00:46:00	000T00:27:00	2009-205T15:15:03	NEG_X TO TITAN_SC_RAM	POS_Y TO COROT	PICK UP AT NEG_X TO TITAN_SC_RAM, POS_Y TO COROT; HAND OFF AT NEG_X TO TITAN_SC_RAM, POS_Y TO COROT.
RADAR_115TI_T59RASAR001_PRIME	M	2009-205T15:15:03	GMB_E115_TITAN59-000T00:19:00	000T00:34:00	2009-205T15:49:03	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT NEG_X TO TITAN_SC_RAM, POS_Y TO COROT; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN. RIDE-ALONG AT C/A.
115TI (T) T59 TITAN INBOU...		2009-205T15:34:03		000T00:00:01	2009-205T15:34:04			
CIRS_115TI_FIRLMBT002_PRIME	C, I, M, V	2009-205T15:49:03	GMB_E115_TITAN59+000T00:15:00	000T00:35:00	2009-205T16:24:03	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_115TI_FIRLMBEAER002_PRIME	C, I, M, V	2009-205T16:24:03	GMB_E115_TITAN59+000T00:50:00	000T00:30:00	2009-205T16:54:03	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_115TI_FIRLMBINT002_PRIME	C, I, M, V	2009-205T16:54:03	GMB_E115_TITAN59+000T01:20:00	000T00:55:00	2009-205T17:49:03	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
END CUSTOM PERIOD		2009-205T17:49:03	GMB_E115_TITAN59+000T02:15:00	000T00:00:01	2009-205T17:49:04	NEG_Y TO TITAN	NEG_X TO SUN	
ENGR_115SC_DFPWBIA205_PPS	C, V	2009-205T17:49:03	GMB_E115_TITAN59+000T02:15:00	000T00:21:05	2009-205T18:10:08	NEG_Y TO TITAN	NEG_X TO SUN	(2,2,2) DEADBAND
CIRS_115TI_FIRNADMAP002_PRIME	I, V	2009-205T18:10:08	GMB_E115_TITAN59+000T02:36:05	000T02:23:55	2009-205T20:34:03	CIRS_FP1 TO TITAN (0.0,0.0,-2.867 DE	POS_Z TO 256.9/-10.9	
CIRS_115TI_MIRLMBINT002_PRIME	C, I, V	2009-205T20:34:03	GMB_E115_TITAN59+000T05:00:00	000T02:00:00	2009-205T22:34:03	CIRS_FP1 TO TITAN	PIC	
SP_115TI_DEADTIME205_PRIME		2009-205T22:34:03	GMB_E115_TITAN59+000T07:00:00	000T00:06:56	2009-205T22:40:59	NEG_Y TO TITAN	NEG_X TO SUN	
SP_115EA_DLTURN205_PRIME		2009-205T22:41:00		000T00:40:00	2009-205T23:21:00	XBAND TO EARTH	POS_X TO NTP	
SP_115EA_C70METNON205_PRIME	C	2009-205T23:21:00		000T08:00:00	2009-206T07:21:00	XBAND TO EARTH	ROLLING	POS_X TO NEP
ISS_115TI_M90R3CLD210_PRIME	C, M, U	2009-210T18:46:00	E115_M90R3CLD210+000T00:00:00	000T01:15:00	2009-210T20:01:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_116TI_M180R2HZ219_PRIME	C, M, U	2009-219T01:45:00	E116_M180R2HZ219+000T00:00:00	000T01:15:00	2009-219T03:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T60 SEGMENT		2009-221T01:05:00		001T01:00:00	2009-222T02:05:00			
SP_116TI_WAYPTTURN001_PRIME		2009-221T01:05:00		000T00:40:00	2009-221T01:45:00	NEG_Y TO TITAN	NEG_X TO NEP	
NEW WAYPOINT		2009-221T01:45:00		001T00:50:00	2009-222T02:35:00	NEG_Y TO TITAN	NEG_X TO NEP	
SP_116TI_DEADTIME001_PRIME		2009-221T01:45:00		000T00:16:49	2009-221T02:01:49	NEG_Y TO TITAN	NEG_X TO NEP	
CIRS_116TI_FIRNADCMP001_PRIME	C, I, V	2009-221T02:01:49	GMB_E116_TITAN60-000T12:02:04	000T02:02:04	2009-221T04:03:53	CIRS_FP1 TO TITAN	PIC	
ISS_116TI_PHOTOMWAC001_PRIME	C, U, V	2009-221T04:03:53	GMB_E116_TITAN60-000T10:00:00	000T01:00:00	2009-221T05:03:53	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_116TI_EUVFUV001_PRIME	C, I, R, V	2009-221T05:03:53	GMB_E116_TITAN60-000T09:00:00	000T03:50:00	2009-221T08:53:53	UVIS_FUV TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2009-221T08:53:53	GMB_E116_TITAN60-000T05:10:00	000T00:00:01	2009-221T08:53:54			
RADAR_116TI_T60INRAD001_PRIME		2009-221T08:53:53	GMB_E116_TITAN60-000T05:10:00	000T03:10:00	2009-221T12:03:53	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Y TO TITAN, NEG_X TO NEP; HAND OFF AT NEG_Z TO TITAN, POS_Y TO NTP. USE 2NDARY -X_NTP AND +Y_NTP FOR POLARIZATIONS.
RADAR_116TI_T60INSCAT001_PRIME	M	2009-221T12:03:53	GMB_E116_TITAN60-000T02:00:00	000T00:48:00	2009-221T12:51:53	NEG_Z TO TITAN	POS_Y TO NTP	PICK UP AT NEG_Z TO TITAN, POS_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, POS_Y TO NTP.
ENGR_116SC_RADRC221_PRIME	M	2009-221T12:51:53	GMB_E116_TITAN60-000T01:12:00	000T00:01:00	2009-221T12:52:53	NEG_Z TO TITAN	POS_Y TO NTP	PICK UP AT NEG_Z TO TITAN, POS_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, POS_Y TO NTP. (0.5,0.5,2) DEADBAND
ENGR_116SC_SPNDNDV221_AACS	M	2009-221T12:52:53		000T00:20:00	2009-221T13:12:53			PICK UP AT UNKNOWN, UNKNOWN; HAND OFF AT UNKNOWN, UNKNOWN.
RADAR_116TI_T60IHISAR001_PRIME	M	2009-221T12:52:53	GMB_E116_TITAN60-000T01:11:00	000T00:41:00	2009-221T13:33:53	NEG_Z TO TITAN	POS_Y TO NTP	PICK UP AT NEG_Z TO TITAN, POS_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, POS_Y TO NTP.
RADAR_116TI_T60INALT001_PRIME	M	2009-221T13:33:53	GMB_E116_TITAN60-000T00:30:00	000T00:12:00	2009-221T13:45:53	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, POS_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_116TI_T60INOSAR001_PRIME	M	2009-221T13:45:53	GMB_E116_TITAN60-000T00:18:00	000T00:44:00	2009-221T14:29:53	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NEP.
116TI (T) T60 TITAN INBOU...		2009-221T14:03:53		000T00:00:01	2009-221T14:03:54			
END CUSTOM PERIOD		2009-221T14:29:53	GMB_E116_TITAN60-000T00:26:00	000T00:00:01	2009-221T14:29:54			
ENGR_116SC_DFPWBIA221_PPS	C, I, M, V	2009-221T14:29:53	GMB_E116_TITAN60+000T00:26:00	000T00:21:05	2009-221T14:50:58	NEG_Y TO TITAN	NEG_X TO NEP	
ISS_116TI_REGMAP001_PRIME	C, M, V	2009-221T14:51:53	GMB_E116_TITAN60+000T00:48:00	000T01:19:56	2009-221T16:11:49	ISS_NAC TO TITAN	NEG_X TO SUN	

SP_116TI_DEADTIME002_PRIME		2009-221T16:11:49	GMB_E116_TITAN60+000T02:07:56	000T00:13:10	2009-221T16:24:59	NEG_Y TO TITAN	NEG_X TO NEP	
SP_116EA_DLTURNO01_PRIME		2009-221T16:25:00		000T00:40:00	2009-221T17:05:00	XBAND TO EARTH	POS_X TO NEP	
SP_116EA_G70METNON221_PRIME	C	2009-221T17:05:00		000T09:00:00	2009-222T02:05:00	XBAND TO EARTH	ROLLING	POS_X TO NEP
ISS_116TI_M90R3CLD225_PRIME	C, M, U	2009-225T01:00:00	E116_M90R3CLD225+000T00:00:00	000T01:15:00	2009-225T02:15:00	ISS_NAC TO TITAN	POS_X TO 236.0/75.0	
ISS_116TI_M90R3CLD226_PRIME	C, M, U	2009-226T01:20:00	E116_M90R3CLD226+000T00:00:00	000T01:15:00	2009-226T02:35:00	ISS_NAC TO TITAN	POS_X TO 236.0/75.0	
ISS_117TI_M180R2HZ234_PRIME	C, M, U	2009-234T07:15:00	E117_M180R2HZ234+000T00:00:00	000T01:15:00	2009-234T08:30:00	ISS_NAC TO TITAN	POS_X TO 236.0/75.0	
TITAN FLYBY T61 SEGMENT		2009-237T00:04:00		002T02:00:00	2009-239T02:04:00			
SP_117EA_S53IVP237_PRIME		2009-237T00:04:00		000T00:06:00	2009-237T00:10:00	XBAND TO EARTH	POS_X TO NEP	S53 IVP GAP
SP_117TI_WAYPTTURN237_PRIME		2009-237T00:10:00		000T00:34:00	2009-237T00:44:00	NEG_Y TO TITAN (-10.5,0.0,0.0 DEG. O	NEG_X TO SUN	
NEW WAYPOINT		2009-237T00:44:00		002T02:01:00	2009-239T02:45:00	NEG_Y TO TITAN (-10.5,0.0,0.0 DEG. C	NEG_X TO SUN	
SP_117TI_DEADTIME237_PRIME		2009-237T00:44:00		000T00:15:50	2009-237T00:59:50	NEG_Y TO TITAN (-10.5,0.0,0.0 DEG. C	NEG_X TO SUN	
ISS_117TI_NIGHTWAC001_PRIME	C	2009-237T01:00:38	GMB_E117_TITAN61-000T11:51:00	000T02:51:00	2009-237T03:51:38	ISS_NAC TO TITAN (0.0,0.0,1.5 DEG. O	NEG_X TO SUN	
CIRS_117TI_MIRLMBINT001_PRIME	C, R, U, V	2009-237T03:51:38	GMB_E117_TITAN61-000T09:00:00	000T03:50:00	2009-237T07:41:38	CIRS_FPB TO TITAN	PIC	
VIMS_117TI_REGMAP001_PRIME	C, R	2009-237T07:41:38	GMB_E117_TITAN61-000T05:10:00	000T02:50:00	2009-237T10:31:38	VIMS_IR TO TITAN (-1.146,0.0,1.146 D	NEG_Z TO NORTH_POLE_DIR	
RADAR_117TI_T61INSCAT001_PRIME	M	2009-237T10:31:38	GMB_E117_TITAN61-000T02:20:00	000T01:08:00	2009-237T11:39:38	NEG_Z TO TITAN	NEG_X TO NTP	
RADAR_117TI_T61IHISAR001_PRIME	M	2009-237T11:39:38	GMB_E117_TITAN61-000T01:12:00	000T00:42:00	2009-237T12:21:38	NEG_Z TO TITAN	NEG_X TO NTP	
ENGR_117SC_RADRC5237_PRIME	M	2009-237T12:21:38	GMB_E117_TITAN61-000T00:30:00	000T00:01:00	2009-237T12:22:38	NEG_Z TO TITAN	NEG_X TO NTP	(2,2,20) DEADBAND
RADAR_117TI_T61INAL001_PRIME	M	2009-237T12:22:38	GMB_E117_TITAN61-000T00:29:00	000T00:11:00	2009-237T12:33:38	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP 2NDARY FROM -X_NTP
BEGIN DUAL PLAYBACK SCIENCE		2009-237T12:33:38	GMB_E117_TITAN61-000T00:18:00	000T00:00:01	2009-237T12:33:39			
BEGIN CUSTOM		2009-237T12:33:38	GMB_E117_TITAN61-000T00:18:00	000T00:01:00	2009-237T12:34:38			
RADAR_117TI_T61INOSAR001_PRIME	C, M, V	2009-237T12:33:38	GMB_E117_TITAN61-000T00:18:00	000T00:43:00	2009-237T13:16:38	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Y TO 187.216/15.631, NEG_X TO 341.237/72.712.
117TI (T) T61 TITAN INBOU...		2009-237T12:51:38		000T00:00:01	2009-237T12:51:39			
END DUAL PLAYBACK SCIENCE		2009-237T13:06:38	GMB_E117_TITAN61+000T00:15:00	000T00:00:01	2009-237T13:06:39			
ENGR_117SC_DFPWBAS237_PRIME	C, M, V	2009-237T13:16:38	GMB_E117_TITAN61+000T00:25:00	000T00:19:05	2009-237T13:35:43	NEG_Y TO 196.323/14.09	NEG_X TO 302.179/47.43	PICK UP AT NEG_Y TO 187.216/15.631, NEG_X TO 341.237/72.712; HAND OFF AT NEG_Y TO 187.216/15.631, NEG_X TO 341.237/72.712. (2,2,20) DEADBAND
VIMS_117TI_HIRES001_PRIME	C, M	2009-237T13:35:43	GMB_E117_TITAN61+000T00:44:05	000T07:45:55	2009-237T21:21:38	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT NEG_Y TO 187.216/15.631, NEG_X TO 341.237/72.712; HAND OFF AT NEG_Y TO TITAN (-10.5,0.0,0.0 DEG. OFFSET), NEG_X TO SUN.
END CUSTOM		2009-237T21:21:38	GMB_E117_TITAN61+000T08:30:00	000T00:00:01	2009-237T21:21:39			
ISS_117TI_PHOTOMWAC001_PRIME	C, U, V	2009-237T21:21:38	GMB_E117_TITAN61+000T08:30:00	000T00:30:00	2009-237T21:51:38	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_117TI_GLOBMAP001_PRIME	C	2009-237T21:51:38	GMB_E117_TITAN61+000T09:00:00	000T05:00:00	2009-238T02:51:38	VIMS_IR TO TITAN	NEG_X TO SUN	
VIMS_117TI_GLOBMAP002_PRIME	C	2009-238T02:51:38	GMB_E117_TITAN61+000T14:00:00	000T11:00:00	2009-238T13:51:38	VIMS_IR TO TITAN	NEG_X TO SUN	
SP_117TI_DEADTIME238_PRIME		2009-238T13:51:38	GMB_E117_TITAN61+001T01:00:00	000T00:32:22	2009-238T14:24:00	NEG_Y TO TITAN (-10.5,0.0,0.0 DEG. C	NEG_X TO SUN	
SP_117EA_DLTURN238_PRIME		2009-238T14:24:00		000T00:40:00	2009-238T15:04:00	XBAND TO EARTH	NEG_X TO NEP	
SP_117EA_G70METNON238_PRIME	C	2009-238T15:04:00		000T09:00:00	2009-239T00:04:00	XBAND TO EARTH	ROLLING/BIAS	NEG_X TO NEP
POINTER RESET IN PREPARATIO...		2009-239T00:04:00		000T00:00:01	2009-239T00:04:01			
SP_117EA_G70METNON239_PRIME		2009-239T00:04:00		000T01:00:00	2009-239T01:04:00	XBAND TO EARTH	ROLLING	
ISS_117TI_CLOUD001_PRIME	M	2009-239T12:30:00		000T01:30:00	2009-239T14:00:00	ISS_NAC TO TITAN	POS_X TO 295.1/79.9	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_117TI_M90R3CLD241_PRIME	C, M, U	2009-241T16:40:00	E117_M90R3CLD241+000T00:00:00	000T01:15:00	2009-241T17:55:00	ISS_NAC TO TITAN	POS_X TO 321.7/85.9	
ISS_117TI_M90R3CLD243_PRIME	C, M, U	2009-243T16:35:00	E117_M90R3CLD243+000T00:00:00	000T01:15:00	2009-243T17:50:00	ISS_NAC TO TITAN	POS_X TO 329.6/83.6	
ISS_117TI_M120R2HZ250_PRIME	C, M, U	2009-250T05:50:00	E117_M120R2HZ250+000T00:00:00	000T01:15:00	2009-250T07:05:00	ISS_NAC TO TITAN	POS_X TO 244.5/84.0	
RADAR_117TI_NEQUACAL006_PRIME	M	2009-250T17:33:00		000T01:30:00	2009-250T19:03:00	NEG_Z TO TITAN	PIC	
ISS_118TI_M90R2CLD253_PRIME	C, M, U	2009-253T05:50:00	E118_M90R2CLD253+000T00:00:00	000T01:15:00	2009-253T07:05:00	ISS_NAC TO TITAN	POS_X TO 161.3/-61.9	
ISS_118TI_M90R3CLD254_PRIME	C, M, U	2009-254T23:25:00	E118_M90R3CLD254+000T00:00:00	000T01:15:00	2009-255T00:40:00	ISS_NAC TO TITAN (0.0,11.0,0.0 DEG. C	POS_X TO 174.9/55.5	
ISS_118TI_M90R3CLD255_PRIME	C, M, U	2009-255T23:25:00	E118_M90R3CLD255+000T00:00:00	000T01:15:00	2009-256T00:40:00	ISS_NAC TO TITAN	POS_X TO 182.0/79.2	
ISS_118TI_NPOLCLD001_PRIME	M	2009-265T22:55:00		000T12:53:00	2009-266T11:48:00	ISS_NAC TO TITAN	NEG_X TO SUN	

ISS_118TI_M60R1CLD266_PRIME	C, M, U	2009-266T22:40:00	E118_M60R1CLD266+000T00:00:00	000T01:15:00	2009-266T23:55:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_119TI_M180R2HZ282_PRIME	C, M, U	2009-282T14:44:00	E119_M180R2HZ282+000T00:00:00	000T01:15:00	2009-282T15:59:00	ISS_NAC TO TITAN (0.0,-5.0,0.0 DEG. C	NEG_X TO 20.7/77.3	
TITAN FLYBY T62 SEGMENT		2009-284T13:49:00		002T00:00:00	2009-286T13:49:00			
SP_119TI_WAYPTTURN284_PRIME		2009-284T13:49:00		000T00:40:00	2009-284T14:29:00	NEG_Z TO EARTH	NEG_Y TO TITAN	
NEW WAYPOINT		2009-284T14:29:00		001T23:55:00	2009-286T14:24:00	NEG_Z TO EARTH	NEG_Y TO TITAN	
SP_119TI_DEADTIME284_PRIME		2009-284T14:29:00		000T00:16:21	2009-284T14:45:21	NEG_Z TO EARTH	NEG_Y TO TITAN	
CIRS_119TI_MIDIRTMAP001_PRIME	I, V	2009-284T14:45:21	GMB_E119_TITAN62-000T17:51:04	000T04:51:04	2009-284T19:36:25	ISS_NAC TO TITAN	NEG_Z TO 290.6/74.0	INITIAL POINTING IS ISS_NAC TO TITAN, THEN CIRS_FP1 TO TITAN 30 MINUTES LATER
CIRS_119TI_FIRNADCMP001_PRIME	I, V	2009-284T19:36:25	GMB_E119_TITAN62-000T13:00:00	000T04:00:00	2009-284T23:36:25	CIRS_FP1 TO TITAN	PIC	INCORPORATES PHOTOMWAC POINTING AFTER COMPLETION OF FIRNADCMP
BEGIN CUSTOM PERIOD		2009-284T23:36:25	GMB_E119_TITAN62-000T09:00:00	000T00:00:01	2009-284T23:36:26	NEG_Z TO EARTH	NEG_Y TO TITAN	
UVIS_119TI_EUVFUV001_PRIME	C, I, V	2009-284T23:36:25	GMB_E119_TITAN62-000T09:00:00	000T06:51:00	2009-285T06:27:25	UVIS_FUV TO TITAN	NEG_X TO SUN	PICK UP AT NEG_Z TO EARTH, NEG_Y TO TITAN; HAND OFF AT UVIS_SOL_OFF TO SUN, POS_X TO 349.88/0.2.
ENGR_119SC_ORSRCS284_PPS	C, M, U, V	2009-285T06:27:25	GMB_E119_TITAN62-000T02:09:00	000T00:20:51	2009-285T06:48:16	UVIS_SOL_OFF TO SUN	POS_X TO 349.88/-0.2	PICK UP AT UVIS_SOL_OFF TO SUN, POS_X TO 349.88/-0.2; HAND OFF AT UVIS_SOL_OFF TO SUN, POS_X TO 349.88/-0.2. DEADBAND=(0.5,0.5,0.5)
UVIS_119SU_USUNOCC001_PRIME	C, M, V	2009-285T06:48:16	GMB_E119_TITAN62-000T01:48:09	000T00:57:09	2009-285T07:45:25	UVIS_SOL_OFF TO SUN	POS_X TO 349.88/-0.2	PICK UP AT UVIS_SOL_OFF TO SUN, POS_X TO 349.88/-0.2; HAND OFF AT UVIS_SOL_OFF TO SUN, POS_X TO 349.88/-0.2.
CIRS_119TI_FIRLMBT001_PRIME	I, M, V	2009-285T07:45:25	GMB_E119_TITAN62-000T00:51:00	000T00:30:00	2009-285T08:15:25	CIRS_FP1 TO TITAN	PIC	PICK UP AT UVIS_SOL_OFF TO SUN, POS_X TO 349.88/-0.2; HAND OFF AT UVIS_SOL_OFF TO SUN, NEG_X TO 1.8/17.45. PICK UP AT UVIS_SOL_OFF TO SUN; +X TO 349.88/-0.2. HANDOFF AT UVIS_SOL_OFF TO SUN; -X TO 1.8/17.45.
UVIS_119SU_USUNOCC002_PRIME	C, M, V	2009-285T08:15:25	GMB_E119_TITAN62-000T00:21:00	000T00:46:00	2009-285T09:01:25	UVIS_SOL_OFF TO SUN	NEG_X TO 1.8/17.45	PICK UP AT UVIS_SOL_OFF TO SUN, NEG_X TO 1.8/17.45; HAND OFF AT UVIS_SOL_OFF TO SUN, NEG_X TO 1.8/17.45.
119TI (T) T62 TITAN INBOU...		2009-285T08:36:24		000T00:00:01	2009-285T08:36:25			
CIRS_119TI_FIRLMBT002_PRIME	C, I, M, V	2009-285T09:01:25	GMB_E119_TITAN62+000T00:25:00	000T00:50:00	2009-285T09:51:25	CIRS_FP1 TO TITAN	PIC	PICK UP AT UVIS_SOL_OFF TO SUN, NEG_X TO 1.8/17.45; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_119TI_FIRLMBINT002_PRIME	C, I, M	2009-285T09:51:25	GMB_E119_TITAN62+000T01:15:00	000T01:00:00	2009-285T10:51:25	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Z TO EARTH, NEG_Y TO TITAN.
END CUSTOM PERIOD		2009-285T10:51:25	GMB_E119_TITAN62+000T02:15:00	000T00:00:01	2009-285T10:51:26	NEG_Z TO EARTH	NEG_Y TO TITAN	
ENGR_119SC_DFPWBIAS284_PPS	C, V	2009-285T10:51:25	GMB_E119_TITAN62+000T02:15:00	000T00:21:05	2009-285T11:12:30	NEG_Z TO EARTH	NEG_Y TO TITAN	DEADBAND=(2,2,2) DEFAULT
UVIS_119TI_EUVFUV002_PRIME	C, I, V	2009-285T11:12:30	GMB_E119_TITAN62+000T02:36:05	000T06:23:55	2009-285T17:36:25	UVIS_FUV TO TITAN (0.0,0.0,3.895 DE	POS_Z TO 259.0/26.3	
CIRS_119TI_FIRNADCMP002_PRIME	I, V	2009-285T17:36:25	GMB_E119_TITAN62+000T09:00:00	000T03:00:00	2009-285T20:36:25	CIRS_FP1 TO TITAN	PIC	
ISS_119TI_MONITORNA001_PRIME	C, V	2009-285T20:36:25	GMB_E119_TITAN62+000T12:00:00	000T02:00:00	2009-285T22:36:25	ISS_NAC TO TITAN	POS_X TO 254.1/-25.3	
VIMS_119TI_GLOBMAP001_PRIME	I, M	2009-285T22:36:25	GMB_E119_TITAN62+000T14:00:00	000T05:00:00	2009-286T03:36:25	VIMS_IR TO TITAN	NEG_X TO SUN	
SP_119TI_DEADTIME286_PRIME	M	2009-286T03:36:25	GMB_E119_TITAN62+000T19:00:00	000T00:32:35	2009-286T04:09:00	NEG_Z TO EARTH	NEG_Y TO TITAN	
SP_119EA_DLTURN286_PRIME	M	2009-286T04:09:00		000T00:40:00	2009-286T04:49:00	XBAND TO EARTH	POS_X TO NEP	
SP_119EA_M70METNON286_PRIME	C, E, M	2009-286T04:49:00		000T09:00:00	2009-286T13:49:00	XBAND TO EARTH	5_HR_ROLLING	POS_X TO NEP
ISS_119TI_M90R3CLD289_PRIME	C, M, U	2009-289T14:52:00		000T01:15:00	2009-289T16:07:00	ISS_NAC TO TITAN	NEG_X TO 37.3/83.8	
ISS_119TI_M90R3CLD290_PRIME	C, M, U	2009-290T03:59:00	E119_M90R3CLD290+000T00:00:00	000T01:15:00	2009-290T05:14:00	ISS_NAC TO TITAN	NEG_X TO 37.3/83.8	
ISS_120TI_M150R2HZ299_PRIME	C, M, U	2009-299T13:44:00	E120_M150R2HZ299+000T00:00:00	000T01:15:00	2009-299T14:59:00	ISS_NAC TO TITAN (0.0,-30.0,0.0 DEG.	NEG_X TO 216.8/-83.6	
ISS_120TI_MUTUALVEVE003_PRIME	M	2009-300T19:10:00		000T01:00:00	2009-300T20:10:00	ISS_NAC TO TITAN	NEG_X TO SUN	ISS_NAC TO TITAN CONTROL OF SECONDARY AXIS NOT REQUIRED
RADAR_120TI_SEQUACAL001_PRIME	M	2009-302T15:25:00		000T01:30:00	2009-302T16:55:00	NEG_Z TO TITAN	PIC	
ISS_120TI_M90R2CLD303_PRIME	C, M, U	2009-303T03:15:00	E120_M90R2CLD303+000T00:00:00	000T01:15:00	2009-303T04:30:00	ISS_NAC TO TITAN	NEG_X TO 212.7/-83.0	
ISS_120TI_M90R2CLD304_PRIME	C, U	2009-304T03:15:00	E120_M90R2CLD304+000T00:00:00	000T01:15:00	2009-304T04:30:00	ISS_NAC TO TITAN	NEG_X TO 44.7/84.3	
ISS_120TI_M90R3CLD307_PRIME	C, M, U	2009-307T13:15:00		000T01:15:00	2009-307T14:30:00	ISS_NAC TO TITAN	NEG_Z TO 36.5/83.7	

ISS_120TI_M120R2HZ315_PRIME	C, M, U	2009-315T02:46:00	E120_M120R2HZ315+000T00:00:00	000T01:15:00	2009-315T04:01:00	ISS_NAC TO TITAN (0.0,52.0,0.0 DEG. C POS_X TO 215.9/-83.7	
ISS_121TI_M90R2CLD317_PRIME	C, M, U	2009-317T20:01:00	E121_M90R2CLD317+000T00:00:00	000T01:15:00	2009-317T21:16:00	ISS_NAC TO TITAN (0.0,-6.0,0.0 DEG. C POS_X TO 213.1/-83.2	
ISS_121TI_MUTUALEVE002_PRIME	M	2009-317T23:00:00		000T01:08:00	2009-318T00:08:00	ISS_NAC TO TITAN	NEG_Z TO NSP ISS_NAC TO TITAN CONTROL OF SECONDARY AXIS NOT REQUIRED
ISS_121TI_M90R3CLD319_PRIME	C, M, U	2009-319T02:31:00	E121_M90R3CLD319+000T00:00:00	000T01:15:00	2009-319T03:46:00	ISS_NAC TO TITAN (0.0,-4.0,0.0 DEG. C NEG_X TO 40.7/84.1	
ISS_121TI_M150R2HZ326_PRIME	C, M, U	2009-326T14:27:00	E121_M150R2HZ326+000T00:00:00	000T01:15:00	2009-326T15:42:00	ISS_NAC TO TITAN	NEG_X TO SUN
ISS_121TI_MUTUALEVE003_PRIME	M	2009-330T19:39:00		000T00:59:00	2009-330T20:38:00	ISS_NAC TO TITAN	NEG_Z TO SUN ISS_NAC TO TITAN CONTROL OF SECONDARY AXIS NOT REQUIRED
ISS_121TI_MUTUALEVE004_PRIME	M	2009-331T07:32:00		000T01:06:00	2009-331T08:38:00	ISS_NAC TO TITAN	NEG_Z TO SUN ISS_NAC TO TITAN CONTROL OF SECONDARY AXIS NOT REQUIRED
ISS_121TI_M90R2CLD331_PRIME	C, M, U	2009-331T19:18:00	E121_M90R2CLD331+000T00:00:00	000T01:15:00	2009-331T20:33:00	ISS_NAC TO TITAN (0.0,-9.0,0.0 DEG. C POS_Z TO 214.4/-83.6	
ISS_121TI_M90R2CLD333_PRIME	C, M, U	2009-333T01:33:00	E121_M90R2CLD333+000T00:00:00	000T01:15:00	2009-333T02:48:00	ISS_NAC TO TITAN	POS_Z TO 210.5/-83.1
ISS_121TI_M90R3CLD334_PRIME	C, M, U	2009-334T11:33:00	E121_M90R3CLD334+000T00:00:00	000T01:15:00	2009-334T12:48:00	ISS_NAC TO TITAN	POS_X TO 41.1/84.0
ISS_122TI_ECLIPSE0001_PRIME	M, U	2009-334T21:00:00		000T04:00:00	2009-335T01:00:00	ISS_NAC TO TITAN	POS_X TO 39.0/83.9
TITAN FLYBY T63 SEGMENT		2009-345T10:10:00		003T00:00:00	2009-348T10:10:00		
SP_122TI_WAYPTTURN345_PRIME	M	2009-345T10:10:00		000T00:06:00	2009-345T10:16:00	XBAND TO EARTH	POS_X TO NSP
SP_122TI_WAYPTTURN445_PRIME	M	2009-345T10:16:00		000T00:34:00	2009-345T10:50:00	NEG_Y TO TITAN	NEG_X TO SUN
NEW WAYPOINT		2009-345T10:50:00		002T00:00:00	2009-347T10:50:00	NEG_Y TO TITAN	NEG_X TO SUN
SP_122NA_DEADTIME345_PRIME	M	2009-345T10:50:00		000T00:15:56	2009-345T11:05:56	NEG_Y TO TITAN	NEG_X TO SUN
CIRS_122TI_FIRNADCMPO01_PRIME	C, I, M, V	2009-345T11:05:56	GMB_E122_TITAN63-000T13:57:18	000T03:57:18	2009-345T15:03:14	CIRS_FP1 TO TITAN (-1.604,0.0,0.0 DE PIC	
ISS_122TI_PHOTOMWAC001_PRIME	C, M, V	2009-345T15:03:14	GMB_E122_TITAN63-000T10:00:00	000T01:00:00	2009-345T16:03:14	ISS_NAC TO TITAN	NEG_Z TO 148.0/-61.3
CIRS_122TI_MIRLMBMAP001_PRIME	C, I, M, R, U	2009-345T16:03:14	GMB_E122_TITAN63-000T09:00:00	000T04:00:00	2009-345T20:03:14	CIRS_FPB TO TITAN	PIC
RADAR_122TI_T63INRAD001_PRIME	M	2009-345T20:03:14	GMB_E122_TITAN63-000T05:00:00	000T02:55:00	2009-345T22:58:14	NEG_Z TO TITAN	NEG_Y TO NTP USE -Y TO NTP AND -X TO NTP FOR THE TWO ORTHOGONAL POLARIZATIONS.
CAPS_122TI_TITANPTG001_PRIME	C, M, V	2009-345T22:58:14	GMB_E122_TITAN63-000T02:05:00	000T04:50:00	2009-346T03:48:14	NEG_Y TO 36.467/-12.267	NEG_X TO SUN
122TI (T) T63 TITAN OUTBO...		2009-346T01:03:14		000T00:00:01	2009-346T01:03:15		
CIRS_122TI_FIRNADMAP002_PRIME	C, M, V	2009-346T03:48:14	GMB_E122_TITAN63+000T02:45:00	000T01:00:00	2009-346T04:48:14	CIRS_FP1 TO TITAN (0.917,0.0,-1.261	POS_Z TO 144.8/-55.0
ISS_122TI_GLOBMAPC001_PRIME	C, M, V	2009-346T04:48:14	GMB_E122_TITAN63+000T03:45:00	000T05:15:00	2009-346T10:03:14	ISS_NAC TO TITAN	POS_X TO 144.0/-52.5
VIMS_122TI_GLOBMAP001_PRIME	C, I, M	2009-346T10:03:14	GMB_E122_TITAN63+000T09:00:00	000T05:00:00	2009-346T15:03:14	VIMS_IR TO TITAN	NEG_X TO SUN
CIRS_122TI_MIDIRTMAP002_PRIME	C, M, U, V	2009-346T15:03:14	GMB_E122_TITAN63+000T14:00:00	000T05:00:00	2009-346T20:03:14	CIRS_FPB TO TITAN (0.494,0.0,-0.456	NEG_Z TO 124.7/49.8
CIRS_122TI_COMPMPA002_PRIME	C, M, U, V	2009-346T20:03:14	GMB_E122_TITAN63+000T19:00:00	000T04:00:00	2009-347T00:03:14	CIRS_FPB TO TITAN	PIC
SP_122NA_DEADTIME347_PRIME	M	2009-347T00:03:14	GMB_E122_TITAN63+000T23:00:00	000T00:26:46	2009-347T00:30:00	NEG_Y TO TITAN	NEG_X TO SUN
SP_122EA_DLTURN347_PRIME	M	2009-347T00:30:00		000T00:40:00	2009-347T01:10:00	XBAND TO EARTH	NEG_Y TO 253.7/5.72
SP_122EA_M70METNON347_PRIME	C, E, M	2009-347T01:10:00		000T09:00:00	2009-347T10:10:00	XBAND TO EARTH	NEG_Y TO 253.7/5.72 MIMI NEG_Y TO SATURN (0.0,0.0,-9.5 DEG. OFFSET)
SP_122TI_WAYPTTURN347_PRIME	M	2009-347T10:10:00		000T00:40:00	2009-347T10:50:00	NEG_Y TO TITAN	NEG_X TO SUN
NEW WAYPOINT		2009-347T10:50:00		001T00:00:00	2009-348T10:50:00	NEG_Y TO TITAN	NEG_X TO SUN
ISS_122TI_CLOUD001_PRIME	M, V	2009-347T10:50:00		000T01:10:00	2009-347T12:00:00	ISS_NAC TO TITAN	POS_X TO 53.8/81.8
CAPS_122SA_MAGBNPTG001_PRIME	M	2009-347T12:00:00		000T02:00:00	2009-347T14:00:00	POS_Y TO COROT (0.0,0.0,39.0 DEG. O	NEG_X TO SUN
ISS_122TI_CLOUD002_PRIME	M, V	2009-347T14:00:00		000T10:30:00	2009-348T00:30:00	ISS_NAC TO TITAN	NEG_X TO 44.6/81.8
SP_122EA_DLTURN348_PRIME	M	2009-348T00:30:00		000T00:40:00	2009-348T01:10:00	XBAND TO EARTH	POS_X TO NEP
SP_122EA_M70METNON348_PRIME	C, M, R	2009-348T01:10:00		000T08:50:00	2009-348T10:00:00	XBAND TO EARTH	ROLLING/SRU POS_X TO NEP
ISS_122TI_M60R1CLD348_PRIME	C, M, U	2009-348T10:50:00	E122_M60R1CLD348+000T00:00:00	000T01:15:00	2009-348T12:05:00	ISS_NAC TO TITAN	NEG_X TO 39.1/81.7
ISS_123TI_M90R3CLD353_PRIME	C, M, U	2009-353T10:21:00	E123_M90R3CLD353+000T00:00:00	000T01:15:00	2009-353T11:36:00	ISS_NAC TO TITAN (0.0,-3.0,0.0 DEG. C POS_X TO 49.6/82.5	
TITAN FLYBY T64 SEGMENT		2009-361T09:12:00		003T00:00:00	2009-364T09:12:00		
SP_123TI_WAYPTTURN361_PRIME	M	2009-361T09:12:00		000T00:40:00	2009-361T09:52:00	NEG_Y TO TITAN	NEG_X TO SUN
NEW WAYPOINT		2009-361T09:52:00		003T00:00:00	2009-364T09:52:00	NEG_Y TO TITAN	NEG_X TO SUN
SP_123TI_DEADTIME361_PRIME	M	2009-361T09:52:00		000T00:15:24	2009-361T10:07:24	NEG_Y TO TITAN	NEG_X TO SUN
CIRS_123TI_MIDIRTMAP001_PRIME	C, M, V	2009-361T10:07:24	GMB_E123_TITAN64-000T14:09:35	000T04:09:35	2009-361T14:16:59	CIRS_FPB TO TITAN (0.456,-5.0,-0.615	POS_X TO 142.9/-45.3
ISS_123TI_PHOTOMWAC001_PRIME	C, M, V	2009-361T14:16:59	GMB_E123_TITAN64-000T10:00:00	000T01:00:00	2009-361T15:16:59	ISS_NAC TO TITAN	POS_X TO 138.6/-29.9
CIRS_123TI_MIRLMPAIR001_PRIME	C, I, M, U, V	2009-361T15:16:59	GMB_E123_TITAN64-000T09:00:00	000T04:00:00	2009-361T19:16:59	CIRS_FP3 TO TITAN	PIC

CAPS_124TI_T65OUTPTG001_PRIME	C, M, V	2010-012723:26:36	GMB_E124_TITAN65+000T00:16:00	000T01:22:55	2010-013T00:49:31	POS_Y TO COROT (0.0,-40.0,8.0 DEG. C NEG_X TO DUST_RAM	PICK UP AT POS_Y TO COROT (0.0,-40.0,8.0 DEG. OFFSET), NEG_X TO DUST_RAM; HAND OFF AT POS_Y TO COROT (0.0,-40.0,8.0 DEG. OFFSET), NEG_X TO DUST_RAM.	
ENGR_124SC_DFPWBIA013_PPS	C, M, V	2010-013T00:49:31	GMB_E124_TITAN65+000T01:38:55	000T00:21:05	2010-013T01:10:36	POS_Y TO COROT (0.0,-40.0,8.0 DEG. C NEG_X TO DUST_RAM	PICK UP AT POS_Y TO COROT (0.0,-40.0,8.0 DEG. OFFSET), NEG_X TO DUST_RAM; HAND OFF AT POS_Y TO COROT (0.0,-40.0,8.0 DEG. OFFSET), NEG_X TO DUST_RAM. DEADBAND = (2,2,2) DEFAULT	
CIRS_124TI_FIRNADMAP002_PRIME	C, I, M, V	2010-013T01:10:36	GMB_E124_TITAN65+000T02:00:00	000T03:00:00	2010-013T04:10:36	CIRS_FP1 TO TITAN	NEG_X TO 313.7/4.8	PICK UP AT POS_Y TO COROT (0.0,-40.0,8.0 DEG. OFFSET), NEG_X TO DUST_RAM; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
END CUSTOM PERIOD		2010-013T04:10:36	GMB_E124_TITAN65+000T05:00:00	000T00:00:01	2010-013T04:10:37	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_124TI_MIRLMBMAP002_PRIME	C, M, V	2010-013T04:10:36	GMB_E124_TITAN65+000T05:00:00	000T04:00:00	2010-013T08:10:36	CIRS_FP1 TO TITAN	PIC	
CIRS_124TI_FIRNADCMPO02_PRIME	C, I, M, U, V	2010-013T08:10:36	GMB_E124_TITAN65+000T09:00:00	000T05:00:00	2010-013T13:10:36	CIRS_FP1 TO TITAN	PIC	
CIRS_124TI_MIDIRTMAP002_PRIME	C, I, M, V	2010-013T13:10:36	GMB_E124_TITAN65+000T14:00:00	000T05:21:00	2010-013T18:31:36	CIRS_FP1 TO TITAN	NEG_Z TO 336.6/66.2	
CIRS_124TI_COMPMAP002_PRIME	I, M, V	2010-013T18:31:36	GMB_E124_TITAN65+000T19:21:00	000T03:39:00	2010-013T22:10:36	CIRS_FP1 TO TITAN	NEG_Z TO 336.6/66.2	
SP_124TI_DEADTIME013_PRIME	M	2010-013T22:10:36	GMB_E124_TITAN65+000T23:00:00	000T00:23:23	2010-013T22:33:59	NEG_Y TO TITAN	NEG_X TO SUN	
SP_124EA_DLTRNO13_PRIME	M	2010-013T22:34:00		000T00:40:00	2010-013T23:14:00	XBAND TO EARTH	NEG_Y TO 263.9/-4.0	
SP_124EA_M34BWGNON013_PRIME	C, M	2010-013T23:14:00		000T09:00:00	2010-014T08:14:00	XBAND TO EARTH	NEG_Y TO 263.9/-4.0	
SP_124TI_WAYPTTURN014_PRIME	M	2010-014T08:14:00		000T00:40:00	2010-014T08:54:00	NEG_Y TO TITAN	NEG_X TO SUN	
ISS_124TI_CLOUD001_PRIME	M, V	2010-014T08:54:00		000T05:06:00	2010-014T14:00:00	ISS_NAC TO TITAN	NEG_X TO 12.9/79.0	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
CAPS_124SA_MAGBNPTG004_PRIME	M, V	2010-014T14:00:00		000T02:00:00	2010-014T16:00:00	POS_Y TO COROT (0.0,0.0,38.0 DEG. O NEG_X TO SUN		
ISS_124TI_CLOUD002_PRIME	M, V	2010-014T16:00:00		000T06:34:00	2010-014T22:34:00	ISS_NAC TO TITAN	NEG_X TO 20.2/79.8	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
SP_124EA_DLTRNO14_PRIME	M	2010-014T22:34:00		000T00:40:00	2010-014T23:14:00	XBAND TO EARTH	NEG_Y TO 263.9/-4.0	
SP_124EA_M70METSEQ014_PRIME	C, M	2010-014T23:14:00		000T09:00:00	2010-015T08:14:00	XBAND TO EARTH	ROLLING/SRU	POS_X TO NEP
ISS_124TI_M60R2CLD015_PRIME	C, M, U	2010-015T08:54:00	E124_M60R2CLD015+000T00:00:00	000T01:15:00	2010-015T10:09:00	ISS_NAC TO TITAN	NEG_X TO 27.7/80.4	
ISS_124TI_M60R2CLD016_PRIME	C, M, U	2010-016T08:39:00	E124_M60R2CLD016+000T00:00:00	000T01:15:00	2010-016T09:54:00	ISS_NAC TO TITAN (0.0,-13.0,0.0 DEG. NEG_X TO 35.1/80.9		
ISS_125TI_M90R3CLD020_PRIME	C, M, U	2010-020T08:25:00	E125_M90R3CLD020+000T00:00:00	000T01:15:00	2010-020T09:40:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T66 SEGMENT		2010-028T07:16:00		002T23:45:00	2010-031T07:01:00			
SP_125TI_WAYPTTURN028_PRIME	M	2010-028T07:16:00		000T00:40:00	2010-028T07:56:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2010-028T07:56:00		002T00:00:00	2010-030T07:56:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_125SA_DEADTIME028_PRIME	M	2010-028T07:56:00		000T00:11:18	2010-028T08:07:18	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_125TI_FIRNADCMPO01_PRIME	C, I, M, V	2010-028T08:07:18	GMB_E125_TITAN66-000T14:21:31	000T04:21:31	2010-028T12:28:49	CIRS_FP1 TO TITAN	PIC	
ISS_125TI_PHOTOMWAC001_PRIME	C, M, V	2010-028T12:28:49	GMB_E125_TITAN66-000T10:00:00	000T01:00:00	2010-028T13:28:49	ISS_NAC TO TITAN	NEG_X TO 318.8/25.9	
UVIS_125TI_EUVFUV001_PRIME	C, I, M, V	2010-028T13:28:49	GMB_E125_TITAN66-000T09:00:00	000T06:30:00	2010-028T19:58:49	UVIS_FUV TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2010-028T19:58:49	GMB_E125_TITAN66-000T02:30:00	000T00:00:01	2010-028T19:58:50	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_125TI_FIRLMBINT001_PRIME	C, I, M, U, V	2010-028T19:58:49	GMB_E125_TITAN66-000T02:30:00	000T01:08:00	2010-028T21:06:49	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_125TI_FIRLMBIAER001_PRIME	C, I, M, U, V	2010-028T21:06:49	GMB_E125_TITAN66-000T01:22:00	000T00:33:30	2010-028T21:40:19	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC. INCLUDES A VIMS TITAN ATMOSPHERE OCCULTATION OF ALPTAU (RA/DEC: 68.980/16.509) FROM 2010-028T21:32:00 TO 21:36:00.
CIRS_125TI_FIRLMBT001_PRIME	C, I, M, U, V	2010-028T21:40:19	GMB_E125_TITAN66-000T00:48:30	000T00:33:30	2010-028T22:13:49	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_Z TO SUN.
ISS_125TI_VHIGHRES001_PRIME	C, M, U, V	2010-028T22:13:49	GMB_E125_TITAN66-000T00:15:00	000T02:15:00	2010-029T00:28:49	ISS_NAC TO TITAN	NEG_X TO 320.2/36.1	PICK UP AT NEG_Y TO TITAN, NEG_Z TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
125TI (T) T66 TITAN OUTBOU...		2010-028T22:28:49		000T00:00:01	2010-028T22:28:50			
END CUSTOM PERIOD		2010-029T00:28:49	GMB_E125_TITAN66+000T02:00:00	000T00:00:01	2010-029T00:28:50	NEG_Y TO TITAN	NEG_X TO PROBE	
UVIS_125TI_EUVFUV003_PRIME	C, I, M, V	2010-029T00:28:49	GMB_E125_TITAN66+000T02:00:00	000T07:00:00	2010-029T07:28:49	UVIS_FUV TO TITAN	NEG_X TO SUN	
CIRS_125TI_FIRNADCMPO02_PRIME	C, I, M, V	2010-029T07:28:49	GMB_E125_TITAN66+000T09:00:00	000T05:00:00	2010-029T12:28:49	CIRS_FP1 TO TITAN	PIC	
VIMS_125TI_GLOBMAP001_PRIME	C, I, M	2010-029T12:28:49	GMB_E125_TITAN66+000T14:00:00	000T09:00:00	2010-029T21:28:49	VIMS_IR TO TITAN	NEG_X TO SUN	
SP_125NA_DEADTIME029_PRIME	M	2010-029T21:28:49	GMB_E125_TITAN66+000T23:00:00	000T00:07:11	2010-029T21:36:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_125SA_DLTRNO29_PRIME	M	2010-029T21:36:00		000T00:40:00	2010-029T22:16:00	XBAND TO EARTH	NEG_Y TO 264.5/-4.8	NEG_Y TO 264.5/-4.8
SP_125EA_M70METNON029_PRIME	C, E, M	2010-029T22:16:00		000T09:00:00	2010-030T07:16:00	XBAND TO EARTH	NEG_Y TO 264.5/-4.8	
SP_125SA_WAYPTTURN030_PRIME	M	2010-030T07:16:00		000T00:40:00	2010-030T07:56:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2010-030T07:56:00		000T23:45:00	2010-031T07:41:00	NEG_Y TO TITAN	NEG_X TO SUN	

ISS_125TI_CLOUD001_PRIME	C, M, V	2010-0307:56:00		000T04:04:00	2010-0307:56:00	ISS_NAC TO TITAN	POS_X TO 103.8/77.6	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
CAPS_125SA_MAGBNPTG004_PRIME	M, V	2010-0307:12:00:00		000T02:00:00	2010-0307:12:00:00	NEG_Y TO TITAN (0.0,35.0,-70.0 DEG.)	NEG_X TO SUN	
ISS_125TI_CLOUD002_PRIME	C, M, V	2010-0307:14:00:00		000T07:26:00	2010-0307:14:00:00	ISS_NAC TO TITAN (0.0,-175.0,0.0 DEG)	POS_X TO 11.7/81.2	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
SP_125EA_DLTURNO30_PRIME	M	2010-0307:21:26:00		000T00:35:00	2010-0307:21:26:00	XBAND TO EARTH	POS_X TO DUST_RAM	POS_X TO NEP
SP_125EA_M70METNON030_PRIME	C, M	2010-0307:22:01:00		000T09:00:00	2010-0317:07:01:00	XBAND TO EARTH	ROLLING/SRU	
ISS_125TI_M60R2CLD031_PRIME	C, M, U	2010-0317:07:41:00	E125_M60R2CLD031+000T00:00:00	000T01:15:00	2010-0317:08:56:00	ISS_NAC TO TITAN	NEG_Z TO 23.5/82.3	
ISS_125TI_M60R2CLD032_PRIME	C, M, U	2010-0327:07:41:00	E125_M60R2CLD032+000T00:00:00	000T01:15:00	2010-0327:08:56:00	ISS_NAC TO TITAN	NEG_X TO 31.8/82.9	
ISS_125TI_M90R3CLD033_PRIME	C, M, U	2010-0337:07:41:00	E125_M90R3CLD033+000T00:00:00	000T01:15:00	2010-0337:08:56:00	ISS_NAC TO TITAN	NEG_Z TO 35.0/83.1	
ISS_125TI_M90R3CLD034_PRIME	C, M, U	2010-0347:14:57:00	E125_M90R3CLD034+000T00:00:00	000T01:15:00	2010-0347:16:12:00	ISS_NAC TO TITAN	NEG_Z TO 37.3/83.3	
ISS_125TI_M90R3CLD035_PRIME	C, M, U	2010-0357:21:27:00	E125_M90R3CLD035+000T00:00:00	000T01:15:00	2010-0357:22:42:00	ISS_NAC TO TITAN	NEG_Z TO 38.2/83.4	
ISS_126TI_LOPHASE001_PRIME	M	2010-0467:10:13:00		000T02:00:00	2010-0467:12:13:00	ISS_NAC TO TITAN	NEG_X TO 33.6/83.2	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_126TI_CLOUD001_PRIME	M	2010-0477:06:43:00		000T08:30:00	2010-0477:15:13:00	ISS_NAC TO TITAN (0.0,101.0,0.0 DEG)	NEG_X TO 34.0/83.2	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_126TI_M60R2CLD048_PRIME	C, M, U	2010-0487:06:43:00	E126_M60R2CLD048+000T00:00:00	000T01:15:00	2010-0487:07:58:00	ISS_NAC TO TITAN	NEG_Z TO 34.9/83.2	
ISS_126TI_M90R3CLD049_PRIME	C, M, U	2010-0497:13:43:00	E126_M90R3CLD049+000T00:00:00	000T01:15:00	2010-0497:14:58:00	ISS_NAC TO TITAN (0.0,-20.0,0.0 DEG)	NEG_Z TO 36.1/83.2	
ISS_127TI_CLOUD001_PRIME	M, U	2010-0647:19:29:00		000T10:00:00	2010-0657:05:29:00	ISS_NAC TO TITAN	NEG_Z TO 37.25/83.6	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
ISS_127TI_M60R3CLD065_PRIME	C, M, U	2010-0657:19:29:00	E127_M60R3CLD065+000T00:00:00	000T01:15:00	2010-0657:20:44:00	ISS_NAC TO TITAN	NEG_Z TO 136.036/57.505	
ISS_127TI_M90R3CLD068_PRIME	C, M, U	2010-0687:05:14:00	E127_M90R3CLD068+000T00:00:00	000T01:15:00	2010-0687:06:29:00	ISS_NAC TO TITAN	NEG_Z TO 7.046/71.86	
ISS_128TI_M180R2HZ075_PRIME	C, M, U	2010-0757:18:44:00	E128_M180R2HZ075+000T00:00:00	000T01:15:00	2010-0757:19:59:00	ISS_NAC TO TITAN	NEG_Z TO 250.132/15.4	
CIRS_128TI_COMPMAP001_PRIME		2010-0787:03:49:00		000T07:15:00	2010-0787:11:04:00	CIRS_FP1 TO TITAN	NEG_X TO 37.6/83.6	
SP_128TI_WAYPTTURN078_PRIME		2010-0787:15:04:00		000T00:46:00	2010-0787:15:50:00	ISS_NAC TO TITAN	POS_Z TO NSP	
RADAR_128TI_SEQUACAL003_PRIME	E, M	2010-0817:05:49:00		000T01:30:00	2010-0817:07:19:00	NEG_Z TO TITAN	POS_Y TO SUN	
ISS_128TI_M60R3CLD081_PRIME	C, M, U	2010-0817:18:00:00	E128_M60R3CLD081+000T00:00:00	000T01:15:00	2010-0817:19:15:00	ISS_NAC TO TITAN	NEG_Z TO 310.929/14.667	
ISS_128TI_M90R3CLD083_PRIME	C, M, U	2010-0837:04:00:00	E128_M90R3CLD083+000T00:00:00	000T01:15:00	2010-0837:05:15:00	ISS_NAC TO TITAN	NEG_Z TO 37.1/83.6	
ISS_128TI_M90R3CLD084_PRIME	C, M, U	2010-0847:04:14:00	E128_M90R3CLD084+000T00:00:00	000T01:15:00	2010-0847:05:29:00	ISS_NAC TO TITAN	NEG_Z TO 167.08/14.142	
ISS_129TI_M180R2HZ092_PRIME	C, M, U	2010-0927:17:29:00	E129_M180R2HZ092+000T00:00:00	000T01:15:00	2010-0927:18:44:00	ISS_NAC TO TITAN	NEG_Z TO 245.858/5.627	
TITAN FLYBY T67 SEGMENT		2010-0957:02:49:00		001T13:45:00	2010-0967:16:34:00			
SP_129EA_S59IVP095_PRIME	M	2010-0957:02:49:00		000T00:06:00	2010-0957:02:55:00	XBAND TO EARTH	POS_X TO NEP	S59 IVP GAP
SP_129TI_WAYPTTURN095_PRIME	M	2010-0957:02:55:00		000T00:34:00	2010-0957:03:29:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2010-0957:03:29:00		001T13:15:00	2010-0967:16:44:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_129TI_DEADTIME095_PRIME	M	2010-0957:03:29:00		000T00:15:18	2010-0957:03:44:18	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_129TI_FIRNADCMPO01_PRIME	I, M, V	2010-0957:03:44:18	GMB_E129_TITAN67-000T12:06:21	000T02:06:21	2010-0957:05:50:39	CIRS_FP1 TO TITAN	PIC	
ISS_129TI_NIGHTWAC001_PRIME	C, M, V	2010-0957:05:50:39	GMB_E129_TITAN67-000T10:00:00	000T01:00:00	2010-0957:06:50:39	ISS_NAC TO TITAN	POS_X TO 223.506/-79.266	
CIRS_129TI_MIRLMBINT001_PRIME	I, M, V	2010-0957:06:50:39	GMB_E129_TITAN67-000T09:00:00	000T04:00:00	2010-0957:10:50:39	CIRS_FP1 TO TITAN	PIC	
CIRS_129TI_FIRNADMAP001_PRIME	I, M, V	2010-0957:10:50:39	GMB_E129_TITAN67-000T05:00:00	000T02:45:00	2010-0957:13:35:39	CIRS_FP1 TO TITAN	POS_Z TO 217.3/-83.7	
CIRS_129TI_FIRLMBCON001_PRIME	C, I, M, U, V	2010-0957:13:35:39	GMB_E129_TITAN67-000T02:15:00	000T01:00:00	2010-0957:14:35:39	CIRS_FP1 TO TITAN	PIC	
CIRS_129TI_FIRLMBAR001_PRIME	C, I, M, U, V	2010-0957:14:35:39	GMB_E129_TITAN67-000T01:15:00	000T00:30:00	2010-0957:15:05:39	CIRS_FP1 TO TITAN	PIC	
CIRS_129TI_FIRLMBT001_PRIME	C, I, M, U, V	2010-0957:15:05:39	GMB_E129_TITAN67-000T00:45:00	000T00:30:00	2010-0957:15:35:39	CIRS_FP1 TO TITAN	PIC	
ISS_129TI_VHIGHRES001_PRIME	C, M, U, V	2010-0957:15:35:39	GMB_E129_TITAN67-000T00:15:00	000T02:15:00	2010-0957:17:50:39	ISS_NAC TO TITAN	POS_X TO 217.4/-83.7	
129TI (T) T67 TITAN INBOUN...		2010-0957:15:50:38		000T00:00:01	2010-0957:15:50:39			
ISS_129TI_REGMAP001_PRIME	C, V	2010-0957:17:50:39	GMB_E129_TITAN67+000T02:00:00	000T02:00:00	2010-0957:19:50:39	ISS_NAC TO TITAN	POS_X TO 217.2/-83.7	

CIRS_129TI_FIRNADMAP002_PRIME	I, V	2010-095T19:50:39	GMB_E129_TITAN67+000T04:00:00	000T01:00:00	2010-095T20:50:39	CIRS_FP1 TO TITAN	NEG_Z TO 217.2/-83.7	
ISS_129TI_GLOBMAP001_PRIME	C, U, V	2010-095T20:50:39	GMB_E129_TITAN67+000T05:00:00	000T04:00:00	2010-096T00:50:39	ISS_NAC TO TITAN	POS_X TO 217.2/-83.7	
VIMS_129TI_GLOBMAP001_PRIME	C, I	2010-096T00:50:39	GMB_E129_TITAN67+000T09:00:00	000T05:00:00	2010-096T05:50:39	VIMS_IR TO TITAN	POS_X TO 217.2/-83.7	
VIMS_129TI_GLOBMAP002_PRIME	C, I	2010-096T05:50:39	GMB_E129_TITAN67+000T14:00:00	000T00:48:39	2010-096T06:39:18	VIMS_IR TO TITAN	NEG_X TO SUN	
SP_129TI_DEADTIME096_PRIME		2010-096T06:39:18	GMB_E129_TITAN67+000T14:48:39	000T00:14:42	2010-096T06:54:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_129EA_DLTURN096_PRIME		2010-096T06:54:00		000T00:28:00	2010-096T07:22:00	XBAND TO EARTH (0.0,0.0,-45.0 DEG.	NEG_Y TO SATURN	PART 1 OF 2
SP_129EA_DLTURN496_PRIME		2010-096T07:22:00		000T00:12:00	2010-096T07:34:00	XBAND TO EARTH	NEG_Y TO 269.509/-30.879	PART 2 OF 2
SP_129EA_C70METNON096_PRIME	C, E, M, R	2010-096T07:34:00		000T09:00:00	2010-096T16:34:00	XBAND TO EARTH	NEG_Y TO 269.509/-30.879	2RY RA/DEC IS NEG_Y TO SATURN (0,0,-9.5) FOR MIMI
ISS_129TI_M30R2CLD098_PRIME	C, M, U	2010-098T15:00:00	E129_M30R2CLD098+000T00:00:00	000T01:15:00	2010-098T16:15:00	ISS_NAC TO TITAN	NEG_Z TO 90.943/78.757	
ISS_129TI_M60R3CLD099_PRIME	C, M, U	2010-099T10:44:00	E129_M60R3CLD099+000T00:00:00	000T01:15:00	2010-099T11:59:00	ISS_NAC TO TITAN	NEG_Z TO 37.7/83.7	
ISS_129TI_M90R3CLD101_PRIME	C, M, U	2010-101T04:19:00	E129_M90R3CLD101+000T00:00:00	000T01:15:00	2010-101T05:34:00	ISS_NAC TO TITAN	NEG_X TO 37.9/83.7	PICK UP AT ISS_NAC TO SATURN (0.0,62.0,0.0 DEG. OFFSET), NEG_Z TO 39.1/83.8; HAND OFF AT ISS_NAC TO SATURN, NEG_Z TO 39.1/83.8.
ISS_129TI_M90R3CLD102_PRIME	C, M, U	2010-102T02:59:00	E129_M90R3CLD102+000T00:00:00	000T01:15:00	2010-102T04:14:00	ISS_NAC TO TITAN (0.0,18.0,0.0 DEG.	NEG_Z TO 37.9/83.7	PICK UP AT ISS_NAC TO SATURN, NEG_Z TO 39.1/83.8; HAND OFF AT ISS_NAC TO SATURN (0.0,18.0,0.0 DEG. OFFSET), NEG_Z TO 39.1/83.8.
ISS_130TI_MUTUALEVE006_PRIME	M	2010-110T14:29:00		000T00:59:00	2010-110T15:28:00	ISS_NAC TO TITAN	NEG_Z TO 39.1/83.8	ISS_NAC TO TITAN CONTROL OF SECONDARY AXIS NOT REQUIRED
ISS_130TI_M120R2HZ111_PRIME	C, M, U	2010-111T09:43:00	E130_M120R2HZ111+000T00:00:00	000T01:15:00	2010-111T10:58:00	ISS_NAC TO TITAN	POS_Z TO 191.065/-64.611	
ISS_130TI_M90R2CLD112_PRIME	C, M, U	2010-112T09:43:00	E130_M90R2CLD112+000T00:00:00	000T01:15:00	2010-112T10:58:00	ISS_NAC TO TITAN	POS_Z TO 177.183/-25.65	
ISS_130TI_M90R2CLD113_PRIME	C, M, U	2010-113T09:43:00	E130_M90R2CLD113+000T00:00:00	000T01:15:00	2010-113T10:58:00	ISS_NAC TO TITAN	NEG_Z TO 31.8/82.6	
ISS_130TI_M90R2CLD114_PRIME	C, M, U	2010-114T02:13:00	E130_M90R2CLD114+000T00:00:00	000T01:15:00	2010-114T03:28:00	ISS_NAC TO TITAN	NEG_Z TO 36.7/83.3	
RADAR_130TI_NEQUACAL009_PRIME	M	2010-120T03:27:00		000T01:40:00	2010-120T05:07:00	NEG_Z TO TITAN	PIC	
ISS_130TI_M90R2CLD126_PRIME	C, M, U	2010-126T08:42:00	E130_M90R2CLD126+000T00:00:00	000T01:15:00	2010-126T09:57:00	ISS_NAC TO TITAN	POS_Z TO 218.4/-83.6	
ISS_131TI_M90R3CLD130_PRIME	C, M, U	2010-130T08:26:00	E131_M90R3CLD130+000T00:00:00	000T01:15:00	2010-130T09:41:00	ISS_NAC TO TITAN	NEG_Z TO 38.2/83.6	
TITAN FLYBY T68 SEGMENT		2010-139T07:15:00		002T23:45:00	2010-142T07:00:00			
SP_131TI_WAYPTTURN139_PRIME	M	2010-139T07:15:00		000T00:40:00	2010-139T07:55:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2010-139T07:55:00		002T12:35:00	2010-141T20:30:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_131TI_DEADTIME139_PRIME	M	2010-139T07:55:00		000T00:15:04	2010-139T08:10:04	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_131TI_MIDIRTMAP001_PRIME	I, M, V	2010-139T08:10:04	GMB_E131_TITAN68-000T19:14:16	000T05:44:16	2010-139T13:54:20	CIRS_FP1 TO TITAN	NEG_Z TO 290.6/-72.2	
ISS_131TI_LRMONITOR001_PRIME	C, M, V	2010-139T13:54:20	GMB_E131_TITAN68-000T13:30:00	000T00:30:00	2010-139T14:24:20	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_131TI_FIRNADCMP001_PRIME	I, M, R, U, V	2010-139T14:24:20	GMB_E131_TITAN68-000T13:00:00	000T03:00:00	2010-139T17:24:20	CIRS_FP1 TO TITAN	PIC	
ISS_131TI_PHOTOMWAC001_PRIME	C, M, R, V	2010-139T17:24:20	GMB_E131_TITAN68-000T10:00:00	000T01:00:00	2010-139T18:24:20	ISS_NAC TO TITAN	NEG_X TO 306.488/-20.874	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO 306.488/-20.874
SP_131EA_DLTURN139_PRIME	M, R	2010-139T18:24:20	GMB_E131_TITAN68-000T09:00:00	000T00:28:00	2010-139T18:52:20	POS_X TO 90.0/20.0	XBAND TO EARTH	PICK UP AT NAC TO TITAN, NEG_X TO 306.488/-20.875, 50 SEC TURN MARGIN
SP_131TI_DLTURN239_PRIME	M, R	2010-139T18:52:20	GMB_E131_TITAN68-000T08:32:00	000T00:12:00	2010-139T19:04:20	XBAND TO EARTH	NEG_Y TO 268.336/-9.876	
SP_131EA_M34BWGNON139_PRIME	M, R	2010-139T19:04:20	GMB_E131_TITAN68-000T08:20:00	000T05:25:39	2010-140T00:29:59	XBAND TO EARTH	NEG_Y TO 268.336/-9.876	
SP_131EA_G34BWGNON139_PRIME	M, R	2010-140T00:29:59	GMB_E131_TITAN68-000T02:54:21	000T07:45:00	2010-140T08:14:59	XBAND TO EARTH	NEG_Y TO 268.336/-9.876	
131TI (T) T68 TITAN OUTBOU...		2010-140T03:24:20		000T00:00:01	2010-140T03:24:21			
SP_131EA_C34BWGNON140_PRIME	M, R	2010-140T08:14:59	GMB_E131_TITAN68+000T04:50:39	000T03:44:21	2010-140T11:59:20	XBAND TO EARTH	NEG_Y TO 268.336/-9.876	
SP_131TI_WAYPTTURN140_PRIME	M, R	2010-140T11:59:20	GMB_E131_TITAN68+000T08:35:00	000T00:25:00	2010-140T12:24:20	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_131TI_FIRNADCMP002_PRIME	I, M, U, V	2010-140T12:24:20	GMB_E131_TITAN68+000T09:00:00	000T04:00:00	2010-140T16:24:20	CIRS_FP1 TO TITAN	PIC	
CIRS_131TI_MIDIRTMAP002_PRIME	I, M, V	2010-140T16:24:20	GMB_E131_TITAN68+000T13:00:00	000T04:40:44	2010-140T21:05:04	CIRS_FP1 TO TITAN	NEG_Z TO 310.144/72.951	
SP_131TI_DEADTIME140_PRIME	M	2010-140T21:05:04	GMB_E131_TITAN68+000T17:40:44	000T00:14:55	2010-140T21:19:59	NEG_Y TO TITAN	NEG_X TO SUN	
SP_131EA_DLTURN140_PRIME	M	2010-140T21:20:00		000T00:40:00	2010-140T22:00:00	XBAND TO EARTH	NEG_Y TO 268.23/-10.978	
SP_131EA_M70METNON140_PRIME	C, M, R	2010-140T22:00:00		000T02:30:00	2010-141T00:30:00	XBAND TO EARTH	NEG_Y TO 268.23/-10.978	
SP_131EA_G34BWGNON140_PRIME	C, M, R	2010-141T00:30:00		000T06:30:00	2010-141T07:00:00	XBAND TO EARTH	NEG_Y TO 268.23/-10.978	
SP_131TI_WAYPTTURN141_PRIME	M	2010-141T07:00:00		000T00:40:00	2010-141T07:40:00	NEG_Y TO TITAN	NEG_X TO SUN	

ISS_133TI_M90R3CLD164_PRIME	C, M, U, V	2010-164T12:22:00	E133_M90R3CLD164+000T00:00:00	000T01:15:00	2010-164T13:37:00	ISS_NAC TO TITAN	NEG_X TO 43.3/83.3	
TITAN FLYBY T70 SEGMENT		2010-171T11:11:00		005T09:59:00	2010-176T21:10:00			
SP_133TI_WAYPTTURN171_PRIME	M	2010-171T11:11:00		000T00:40:00	2010-171T11:51:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2010-171T11:51:00		002T06:35:00	2010-173T18:26:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_133TI_DEADTIME171_PRIME	M	2010-171T11:51:00		000T00:15:26	2010-171T12:06:26	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_133TI_FIRNADCMP001_PRIME	I, M, V	2010-171T12:06:26	GMB_E133_TITAN70-000T13:21:17	000T03:21:17	2010-171T15:27:43	CIRS_FP1 TO TITAN (-1.604,0.0,0.0 DE	PIC	
ISS_133TI_PHOTOMWAC001_PRIME	C, M, V	2010-171T15:27:43	GMB_E133_TITAN70-000T10:00:00	000T01:00:00	2010-171T16:27:43	ISS_NAC TO TITAN	POS_X TO 130.3/-39.1	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
CIRS_133TI_MIRLMBMAP001_PRIME	I, M, V	2010-171T16:27:43	GMB_E133_TITAN70-000T09:00:00	000T04:00:00	2010-171T20:27:43	CIRS_FP1 TO TITAN	PIC	
CIRS_133TI_FIRNADMAP001_PRIME	I, M, V	2010-171T20:27:43	GMB_E133_TITAN70-000T05:00:00	000T02:45:00	2010-171T23:12:43	CIRS_FP1 TO TITAN	POS_X TO 125.7/-6.0	
BEGIN CUSTOM PERIOD		2010-171T23:12:43	GMB_E133_TITAN70-000T02:15:00	000T00:00:01	2010-171T23:12:44	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_133TI_FIRLMBINT001_PRIME	I, M, V	2010-171T23:12:43	GMB_E133_TITAN70-000T02:15:00	000T01:02:00	2010-172T00:14:43	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT CIRS_FP1 TO TITAN, PIC. CIRS WILL HAND OFF TO ENGR AT THE ATTITUDE: CIRS_FP1 TO LAT_VIEW 55 N, RHS, 225 KM; +/- Z FOV LIMB (DETERMINED BY RADIATOR CONSTRAINT) AT SAME COORDINATES.
ENGR_133SC_ORSRCS172_PRIME	C, M	2010-172T00:14:43	GMB_E133_TITAN70-000T01:13:00	000T00:01:00	2010-172T00:15:43	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC. DEADBAND=(2,2,2)
CAPS_133TI_T70INPTG001_PRIME	C, M	2010-172T00:15:43	GMB_E133_TITAN70-000T01:12:00	000T00:43:00	2010-172T00:58:43	POS_Y TO COROT	NEG_X TO SUN	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT POS_Y TO COROT, NEG_X TO SUN. CAPS WILL PICK UP AT THE FOLLOWING ATTITUDE: CIRS_FP1 TO TITAN, LAT_VIEW, 55 DEG LATITUDE, 90 DEGREE VIEWING ANGLE, RHS, 125 KM ALTITUDE; POS_Z TO TITAN FOV LIMB, 55 N, RHS T...
BEGIN DUAL PLAYBACK SCIENCE		2010-172T00:58:43	GMB_E133_TITAN70-000T00:29:00	000T00:00:01	2010-172T00:58:44			
ENGR_133SC_T70CA001_AACS	C, M	2010-172T00:58:43	GMB_E133_TITAN70-000T00:29:00	000T00:56:00	2010-172T01:54:43	UVIS_FUV TO 201.298/-11.161 (-1.37; NEG_X TO 215.68/-5.48		PICK UP AT POS_Y TO COROT, NEG_X TO SUN; HAND OFF AT UVIS_FUV TO 201.298/-11.161 (-1.375,0.0,0.0 DEG. OFFSET), NEG_X TO 215.68/-5.48. ADDED POINTING
133TI (T) T70 TITAN OUTBOU...		2010-172T01:27:43		000T00:00:01	2010-172T01:27:44			
END DUAL PLAYBACK SCIENCE		2010-172T01:45:43	GMB_E133_TITAN70+000T00:18:00	000T00:00:01	2010-172T01:45:44			
ENGR_133SC_DFPWBIAS172_PPS	C, M, U, V	2010-172T01:54:43	GMB_E133_TITAN70+000T00:27:00	000T00:21:05	2010-172T02:15:48	UVIS_FUV TO 201.298/-11.161 (-1.37; NEG_X TO 215.68/-5.48		PICK UP AT UVIS_FUV TO 201.298/-11.161 (-1.375,0.0,0.0 DEG. OFFSET), NEG_X TO 215.68/-5.48; HAND OFF AT UVIS_FUV TO 201.298/-11.161 (-1.375,0.0,0.0 DEG. OFFSET), NEG_X TO 215.68/-5.48. DEADBAND=(0.5,0.5,0.5)
UVIS_133ST_ALPVIRT001_PRIME	C, M, V	2010-172T02:15:48	GMB_E133_TITAN70+000T00:48:05	000T00:18:55	2010-172T02:34:43	UVIS_FUV TO 201.298/-11.161 (-1.37; NEG_X TO 215.68/-5.48		PICK UP AT UVIS_FUV TO 201.298/-11.161 (-1.375,0.0,0.0 DEG. OFFSET), NEG_X TO 215.68/-5.48; HAND OFF AT UVIS_FUV TO 201.298/-11.161 (-1.375,0.0,0.0 DEG. OFFSET), NEG_X TO 215.68/-5.48.
VIMS_133TI_REGMAP001_PRIME	C, I, M	2010-172T02:34:43	GMB_E133_TITAN70+000T01:07:00	000T00:53:00	2010-172T03:27:43	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT UVIS_FUV TO 201.298/-11.161 (-1.375,0.0,0.0 DEG. OFFSET), NEG_X TO 215.68/-5.48; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
END CUSTOM PERIOD		2010-172T03:27:43	GMB_E133_TITAN70+000T02:00:00	000T00:00:01	2010-172T03:27:44	NEG_Y TO TITAN	NEG_X TO SUN	
VIMS_133TI_REGMAP002_PRIME	C, I, M	2010-172T03:27:43	GMB_E133_TITAN70+000T02:00:00	000T03:00:00	2010-172T06:27:43	VIMS_IR TO TITAN	NEG_X TO SUN	
VIMS_133TI_MEDRES001_PRIME	C, I, M	2010-172T06:27:43	GMB_E133_TITAN70+000T05:00:00	000T03:30:00	2010-172T09:57:43	VIMS_IR TO TITAN	NEG_X TO SUN	
ISS_133TI_PHOTOMWAC002_PRIME	C, M, V	2010-172T09:57:43	GMB_E133_TITAN70+000T08:30:00	000T00:30:00	2010-172T10:27:43	ISS_NAC TO TITAN	NEG_X TO SUN	SECONDARY ORIENTATION: NEG_X TO SUN PREFERRED, BUT FLEXIBLE
VIMS_133TI_GLOBMAP001_PRIME	C, I, M	2010-172T10:27:43	GMB_E133_TITAN70+000T09:00:00	000T05:00:00	2010-172T15:27:43	VIMS_IR TO TITAN	NEG_X TO SUN	
SP_133TI_DEADTIME172_PRIME	M	2010-172T15:27:43	GMB_E133_TITAN70+000T14:00:00	000T00:15:17	2010-172T15:43:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_133EA_DLTURN172_PRIME	M	2010-172T15:43:00		000T00:40:00	2010-172T16:23:00	XBAND TO EARTH	POS_X TO NEP	
SP_133EA_M70METSEQ172_PRIME	C, M	2010-172T16:23:00		000T05:37:00	2010-172T22:00:00	XBAND TO EARTH	POS_X TO NEP	
POINTER RESET IN PREPARATIO...		2010-172T22:00:00		000T00:00:01	2010-172T22:00:01			
SP_133EA_G34HEFSEQ172_PRIME	C, M	2010-172T22:00:00		000T06:56:00	2010-173T04:56:00	XBAND TO EARTH	POS_X TO NEP	
SP_133TI_WAYPTTURN173_PRIME	M	2010-173T04:56:00		000T00:40:00	2010-173T05:36:00	NEG_Y TO TITAN	NEG_X TO SUN	
CAPS_133SA_MAGBNPTG004_PRIME	M	2010-173T05:36:00		000T02:00:00	2010-173T07:36:00	NEG_Y TO TITAN (0.0,50.0,-90.0 DEG.	NEG_X TO SUN	

SP_134NA_DLTRN190_PRIME	M, V	2010-189T22:59:00		000T00:40:00	2010-189T23:39:00	XBAND TO EARTH	NEG_X TO 302.0/87.0	
NEW WAYPOINT		2010-189T23:39:00		000T11:10:00	2010-190T10:49:00	XBAND TO EARTH	NEG_X TO 302.0/87.0	
SP_134EA_C34HEFNON190_PRIME	C, M	2010-190T01:09:00		000T09:00:00	2010-190T10:09:00	XBAND TO EARTH	ROLLING/SRU	NEG_X TO 302 /87; CDA
ISS_134TI_M60R2CLD190_PRIME	C, M, V	2010-190T10:49:00	E134_M60R2CLD190+000T00:00:00	000T01:30:00	2010-190T12:19:00	ISS_NAC TO TITAN	NEG_Z TO 6.774/78.408	
ISS_135TI_M90R3CLD196_PRIME	C, M, U, V	2010-196T21:33:00	E135_M90R3CLD196+000T00:00:00	000T01:30:00	2010-196T23:03:00	ISS_NAC TO TITAN	NEG_Z TO 82.4/84.0	
ISS_135TI_M30R2CLD203_PRIME	C, M, U, V	2010-203T05:32:00	E135_M30R2CLD203+000T00:00:00	000T01:30:00	2010-203T07:02:00	ISS_NAC TO TITAN	NEG_Z TO 259.996/32.774	
ISS_135TI_M60R3CLD209_PRIME	C, M, U, V	2010-209T18:51:00	E135_M60R3CLD209+000T00:00:00	000T01:30:00	2010-209T20:21:00	ISS_NAC TO TITAN	NEG_Z TO 49.0/83.0	
ISS_135TI_M90R3CLD211_PRIME	C, M, V	2010-211T19:37:00	E135_M90R3CLD211+000T00:00:00	000T01:30:00	2010-211T21:07:00	CIRS_FP1 TO TITAN (0.044,-1.0,-0.011	NEG_X TO EARTH	
ISS_136TI_M150R2HZ219_PRIME	C, M, V	2010-219T19:00:00	E136_M150R2HZ219+000T00:00:00	000T01:30:00	2010-219T20:30:00	CIRS_FP1 TO TITAN (0.0,60.0,0.0 DEG.	NEG_X TO EARTH	
ISS_136TI_M150R2HZ220_PRIME	C, M, V	2010-220T19:00:00	E136_M150R2HZ220+000T00:00:00	000T01:30:00	2010-220T20:30:00	CIRS_FP1 TO TITAN	NEG_X TO 54.815/-22.408	
ISS_136TI_M60R1CLD224_PRIME	C, M, V	2010-224T02:15:00	E136_M60R1CLD224+000T00:00:00	000T02:00:00	2010-224T04:15:00	CIRS_FP1 TO TITAN (0.038,2.0,-0.011	NEG_X TO EARTH	
ISS_136TI_M30R1CLD225_PRIME	C, M, V	2010-225T08:29:00	E136_M30R1CLD225+000T00:00:00	000T02:00:00	2010-225T10:29:00	CIRS_FP1 TO TITAN	NEG_X TO NSP	
ISS_136TI_M90R3CLD229_PRIME	C, M, V	2010-229T08:00:00	E136_M90R3CLD229+000T00:00:00	000T01:30:00	2010-229T09:30:00	CIRS_FP1 TO TITAN	POS_X TO 84.4/84.1	
ISS_137TI_M90R2CLD240_PRIME	C, M, V	2010-240T07:40:00	E137_M90R2CLD240+000T00:00:00	000T01:30:00	2010-240T09:10:00	CIRS_FP1 TO TITAN (0.033,-20.0,0.0 D	NEG_Z TO 84.5/84.1	
ISS_137TI_M120R2HZ250_PRIME	C, M, V	2010-251T19:08:00	E137_M120R2HZ250+000T00:00:00	000T01:30:00	2010-251T20:38:00	CIRS_FP1 TO TITAN	NEG_Z TO 84.5/84.1	
ISS_137TI_M90R2CLD254_PRIME	C, M, V	2010-253T18:13:00	E137_M90R2CLD254+000T00:00:00	000T01:30:00	2010-253T19:43:00	CIRS_FP1 TO TITAN	NEG_Z TO 36.764/76.478	
ISS_138TI_M90R3CLD256_PRIME	C, M, V	2010-256T17:22:00	E138_M90R3CLD256+000T00:00:00	000T01:30:00	2010-256T18:52:00	CIRS_FP1 TO TITAN	NEG_Z TO 84.5/84.1	
ISS_138TI_M180R2HZ264_PRIME	C, M	2010-264T16:27:00	E138_M180R2HZ264+000T00:00:00	000T01:30:00	2010-264T17:57:00	ISS_NAC TO TITAN	NEG_Z TO 84.5/84.1	
TITAN FLYBY T72 SEGMENT		2010-267T05:17:00		002T01:00:00	2010-269T06:17:00			
SP_138TI_WAYPTTURN267_PRIME	M	2010-267T05:17:00		000T00:22:00	2010-267T05:39:00	XBAND TO EARTH	NEG_X TO NTP	
SP_138TI_WAYPTTURN367_PRIME	M	2010-267T05:39:00		000T00:18:00	2010-267T05:57:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2010-267T05:57:00		001T12:05:00	2010-268T18:02:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_138NA_DEADTIME267_PRIME	M	2010-267T05:57:00		000T00:15:41	2010-267T06:12:41	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_138TI_FIRNADCMP001_PRIME	I, M, V	2010-267T06:12:41	GMB_E138_TITAN72-000T12:26:00	000T03:26:00	2010-267T09:38:41	CIRS_FP1 TO TITAN	PIC	
CIRS_138TI_MIRLMPAIR001_PRIME	I, M, V	2010-267T09:38:41	GMB_E138_TITAN72-000T09:00:00	000T04:00:00	2010-267T13:38:41	CIRS_FP4 TO TITAN	PIC	
CIRS_138TI_FIRNADMAP001_PRIME	I, M, V	2010-267T13:38:41	GMB_E138_TITAN72-000T05:00:00	000T02:45:00	2010-267T16:23:41	CIRS_FP1 TO TITAN	POS_Z TO 355.458/76.082	
BEGIN CUSTOM PERIOD		2010-267T16:23:41	GMB_E138_TITAN72-000T02:15:00	000T00:00:01	2010-267T16:23:42	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_138TI_FIRLMBINT001_PRIME	I, M, V	2010-267T16:23:41	GMB_E138_TITAN72-000T02:15:00	000T01:00:00	2010-267T17:23:41	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_138TI_FIRLMBNER001_PRIME	I, M, V	2010-267T17:23:41	GMB_E138_TITAN72-000T01:15:00	000T00:30:00	2010-267T17:53:41	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_138TI_FIRLMBT001_PRIME	I, M, V	2010-267T17:53:41	GMB_E138_TITAN72-000T00:45:00	000T00:30:00	2010-267T18:23:41	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
VIMS_138TI_HIGHRES001_PRIME	C, I, M	2010-267T18:23:41	GMB_E138_TITAN72-000T00:15:00	000T02:30:00	2010-267T20:53:41	VIMS_IR TO TITAN	NEG_X TO 349.61/74.531	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 315.16/65.691. CUSTOM HANDOFF TO NEG_Y TO TITAN, NEG_X TO 315.160/65.691
138TI (T) T72 TITAN OUTBOU...		2010-267T18:38:41		000T00:00:01	2010-267T18:38:42			
UVIS_138TI_EUVFUV001_PRIME	C, I, M, V	2010-267T20:53:41	GMB_E138_TITAN72+000T02:15:00	000T06:45:00	2010-268T03:38:41	UVIS_FUV TO TITAN	NEG_X TO 320.261/71.122	PICK UP AT NEG_Y TO TITAN, NEG_X TO 315.16/65.691; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 2.628/78.322.
VIMS_138TI_GLOBMAP001_PRIME	C, I, M	2010-268T03:38:41	GMB_E138_TITAN72+000T09:00:00	000T05:00:00	2010-268T08:38:41	VIMS_IR TO TITAN	NEG_X TO 2.972/78.236	PICK UP AT NEG_Y TO TITAN, NEG_X TO 2.628/78.322; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 2.987/78.232.
VIMS_138TI_GLOBMAP002_PRIME	C, I, M	2010-268T08:38:41	GMB_E138_TITAN72+000T14:00:00	000T08:25:00	2010-268T17:03:41	VIMS_IR TO TITAN	NEG_X TO 2.972/78.232	PICK UP AT NEG_Y TO TITAN, NEG_X TO 2.987/78.232; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 2.972/78.232.

SP_138NA_DEADTIME268_PRIME	M	2010-268T17:03:41	GMB_E138_TITAN72+000T22:25:00	000T00:18:19	2010-268T17:22:00	NEG_Y TO TITAN	NEG_X TO 2.972/78.232	PICK UP AT NEG_Y TO TITAN, NEG_X TO 2.972/78.232; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 2.972/78.232.
SP_138NA_DLTURN268_PRIME	M	2010-268T17:22:00		000T00:40:00	2010-268T18:02:00	XBAND TO EARTH (0.0,0.0,13.0 DEG. C	NEG_Y TO 277.23/-3.19	PICK UP AT NEG_Y TO TITAN, NEG_X TO 2.972/78.232; HAND OFF AT XBAND TO EARTH (0.0,0.0,13.0 DEG. OFFSET), NEG_Y TO 277.23/-3.19.
NEW WAYPOINT		2010-268T18:02:00		000T12:53:00	2010-269T06:55:00	XBAND TO EARTH (0.0,0.0,13.0 DEG. C	NEG_Y TO 277.23/-3.19	
END CUSTOM PERIOD		2010-268T18:02:00		000T00:00:01	2010-268T18:02:01	NEG_Y TO TITAN	NEG_X TO NTP	
ENGR_138SC_KPTYBIAS268_PRIME	M	2010-268T18:02:00		000T01:00:00	2010-268T19:02:00	XBAND TO EARTH		
SP_138EA_C70ARRNON268_PRIME	C, M	2010-268T19:32:00		000T10:45:00	2010-269T06:17:00	XBAND TO EARTH (0.0,0.0,13.0 DEG. C ROLLING/SRU		NEG_Y TO 277.23/-3.19, (NEG_Y TO SATURN (0,0,-9.5)), MIMI
SP_138TI_WAYPTTURN269_PRIME	M	2010-269T06:17:00		000T00:38:00	2010-269T06:55:00	NEG_Z TO TITAN	POS_Y TO NTP	
RADAR_138TI_RADIOCAL002_PRIME	M	2010-269T09:17:00		000T02:00:00	2010-269T11:17:00	NEG_Z TO TITAN	POS_Y TO NTP	
SP_138TI_WAYPTTURN270_PRIME	M	2010-270T05:17:00		000T00:43:00	2010-270T06:00:00	ISS_NAC TO TITAN	NEG_X TO 334.855/59.002	
ISS_138TI_M60R2CLD270_PRIME	C, M, V	2010-270T06:00:00	E138_M60R2CLD270+000T00:00:00	000T01:30:00	2010-270T07:30:00	CIRS_FP B TO TITAN	NEG_X TO 334.875/58.999	PICK UP AT ISS_NAC TO TITAN, NEG_X TO 334.855/59.002; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO 334.855/59.002.
ISS_139TI_M180R2HZ285_PRIME	C	2010-285T05:00:00	E139_M180R2HZ285+000T00:00:00	000T01:30:00	2010-285T06:30:00	ISS_NAC TO TITAN	NEG_Z TO 249.834/28.684	
CIRS_139TI_COMPMAP001_PRIME	I, V	2010-287T04:52:00		000T13:30:00	2010-287T18:22:00	CIRS_FP B TO TITAN	PIC	PIE
SP_139TI_WAYPTTURN291_PRIME		2010-291T04:02:00		000T00:58:00	2010-291T05:00:00	ISS_NAC TO SATURN	NEG_Z TO 68.0/84.2	
ISS_139TI_SFAD002_PRIME		2010-291T14:00:00		000T02:00:00	2010-291T16:00:00	ISS_NAC TO TITAN	NEG_Z TO 68.0/84.2	ISS_NAC TO TITAN CONTROL OF SECONDARY AXIS NOT REQUIRED
ISS_139TI_M60R3CLD291_PRIME	C	2010-291T16:00:00	E139_M60R3CLD291+000T00:00:00	000T01:30:00	2010-291T17:30:00	ISS_NAC TO TITAN	NEG_Z TO 68.0/84.2	
ISS_139TI_SFAD003_PRIME		2010-291T20:00:00		000T02:00:00	2010-291T22:00:00	ISS_NAC TO TITAN	NEG_Z TO 68.0/84.2	ISS_NAC TO TITAN CONTROL OF SECONDARY AXIS NOT REQUIRED
ISS_140TI_M90R2CLD302_PRIME	C, V	2010-302T14:30:00	E140_M90R2CLD302+000T00:00:00	000T01:30:00	2010-302T16:00:00	ISS_NAC TO TITAN	NEG_Z TO 68.3/84.2	
TITAN FLYBY T73 SEGMENT		2010-314T20:19:00		002T00:45:00	2010-316T21:04:00			
SP_140TI_WAYPTTURN314_PRIME		2010-314T20:19:00		000T00:20:00	2010-314T20:39:00	NEG_Y TO 350.0/25.0 (0.0,0.0,5.0 DEG. OFF POS_X TO 120.0/54.0		
SP_140TI_WAYPTTURN514_PRIME		2010-314T20:39:00		000T00:20:00	2010-314T20:59:00	NEG_Y TO TITAN (0.0,0.0,5.0 DEG. OFF POS_X TO 120.0/54.0		
NEW WAYPOINT		2010-314T20:59:00		001T12:05:00	2010-316T09:04:00	NEG_Y TO TITAN (0.0,0.0,5.0 DEG. OFF POS_X TO 120.0/54.0		
SP_140TI_DEADTIME314_PRIME		2010-314T20:59:00		000T00:15:00	2010-314T21:14:00	NEG_Y TO TITAN (0.0,0.0,5.0 DEG. OFF POS_X TO 120.0/54.0		
CIRS_140TI_MDIRTMAP001_PRIME	I, V	2010-314T21:14:00	GMB_E140_TITAN_T73-000T16:23:01	000T03:23:01	2010-315T00:37:01	CIRS_FP B TO TITAN	PIC	
CIRS_140TI_FIRNADCMP001_PRIME	I, U, V	2010-315T00:37:01	GMB_E140_TITAN_T73-000T13:00:00	000T04:00:00	2010-315T04:37:01	CIRS_FP1 TO TITAN	PIC	
CIRS_140TI_MIRLMBMAP001_PRIME	I, U, V	2010-315T04:37:01	GMB_E140_TITAN_T73-000T09:00:00	000T04:00:00	2010-315T08:37:01	CIRS_FP B TO TITAN	PIC	
CIRS_140TI_FIRNADMAP001_PRIME	I, V	2010-315T08:37:01	GMB_E140_TITAN_T73-000T05:00:00	000T02:45:00	2010-315T11:22:01	CIRS_FP1 TO TITAN	PIC	
CAPS_140TI_T73INPTG001_PRIME	C, M	2010-315T11:22:01	GMB_E140_TITAN_T73-000T02:15:00	000T01:50:00	2010-315T13:12:01	NEG_Y TO TITAN (-20.0,0.0,15.0 DEG. OFF POS_X TO 120.0/54.0		
CIRS_140TI_FIRLMBT002_PRIME	I, M, V	2010-315T13:12:01	GMB_E140_TITAN_T73-000T00:25:00	000T01:10:00	2010-315T14:22:01	CIRS_FP1 TO TITAN	PIC	INTERNAL CIRS CUSTOM HANDOFF
140TI (T) T73 TITAN OUTBOU...		2010-315T13:37:01		000T00:00:01	2010-315T13:37:02			
CIRS_140TI_FIRLMBT002_PRIME	I, M, V	2010-315T14:22:01	GMB_E140_TITAN_T73+000T00:45:00	000T00:30:00	2010-315T14:52:01	CIRS_FP1 TO TITAN	PIC	INTERNAL CIRS CUSTOM PICKUP/HANDOFF
CIRS_140TI_FIRLMBINT002_PRIME	I, M, V	2010-315T14:52:01	GMB_E140_TITAN_T73+000T01:15:00	000T01:00:00	2010-315T15:52:01	CIRS_FP1 TO TITAN	PIC	INTERNAL CIRS CUSTOM PICKUP
VIMS_140TI_REGMAP001_PRIME	C, I	2010-315T15:52:01	GMB_E140_TITAN_T73+000T02:15:00	000T02:45:00	2010-315T18:37:01	VIMS_IR TO TITAN	NEG_X TO 300.8/-53.8	
VIMS_140TI_MEDRES001_PRIME	C, I	2010-315T18:37:01	GMB_E140_TITAN_T73+000T05:00:00	000T04:00:00	2010-315T22:37:01	VIMS_IR TO TITAN	NEG_X TO 301.9/-51.6	
VIMS_140TI_GLOBMAP001_PRIME	C, I	2010-315T22:37:01	GMB_E140_TITAN_T73+000T09:00:00	000T05:00:00	2010-316T03:37:01	VIMS_IR TO TITAN	NEG_X TO 305.3/-41.0	
VIMS_140TI_GLOBMAP002_PRIME	C, I	2010-316T03:37:01	GMB_E140_TITAN_T73+000T14:00:00	000T04:31:59	2010-316T08:09:00	VIMS_IR TO TITAN	NEG_X TO 311.7/4.2	
SP_140TI_DEADTIME316_PRIME	C	2010-316T08:09:00	GMB_E140_TITAN_T73+000T18:31:59	000T00:15:00	2010-316T08:24:00	NEG_Y TO TITAN (0.0,0.0,5.0 DEG. OFF POS_X TO 120.0/54.0		
SP_140TI_DLTURN316_PRIME		2010-316T08:24:00		000T00:40:00	2010-316T09:04:00	XBAND TO EARTH	NEG_Y TO 282.5/-1.92	
NEW WAYPOINT		2010-316T09:04:00		000T12:56:00	2010-316T22:00:00	XBAND TO EARTH	NEG_Y TO 282.5/-1.92	
ENGR_140SC_KPTYBIAS316_PRIME		2010-316T09:04:00		000T01:30:00	2010-316T10:34:00	POS_Z TO DELTA_H (0.0,0.0,48.0 DEG. NEG_X TO SUN		
SP_140EA_G70METNON316_PRIME	C	2010-316T10:34:00		000T09:00:00	2010-316T19:34:00	XBAND TO EARTH	NEG_Y TO 282.5/-1.92	NEG_Y TO 282.50/-1.92 (NEG_Y TO SATURN (0,0,-9.5), MIMI)
SP_140TI_WAYPTTURN316_PRIME		2010-316T21:04:00		000T00:56:00	2010-316T22:00:00	ISS_NAC TO TITAN	NEG_Z TO 99.6/77.7	
CIRS_140TI_COMPMAP001_PRIME	I, V	2010-316T22:00:00		000T08:00:00	2010-317T06:00:00	CIRS_FP B TO TITAN	PIC	

RADAR_140TI_RADIOMCAL003_PRIME		2010-317T07:00:00		000T02:00:00	2010-317T09:00:00	NEG_Z TO TITAN	POS_Y TO NTP	
SP_140TI_WAYPTTURN317_PRIME		2010-317T20:04:00		000T00:36:00	2010-317T20:40:00	ISS_NAC TO TITAN	NEG_Z TO 27.4/82.7	
ISS_140TI_M60R1CLD317_PRIME	C, V	2010-317T20:40:00	E140_M60R1CLD317+000T00:00:00	000T06:30:00	2010-318T03:10:00	ISS_NAC TO TITAN	NEG_Z TO 27.4/82.7	
CIRS_140TI_COMPMAP002_PRIME		2010-319T09:19:00		000T08:00:00	2010-319T17:19:00	CIRS_FPFB TO TITAN	NEG_Z TO 132.121/66.126	
ISS_141TI_M180R2HZ330_PRIME	C, V	2010-330T20:30:00	E141_M180R2HZ330+000T00:00:00	000T01:30:00	2010-330T22:00:00	ISS_NAC TO TITAN	NEG_Z TO NSP	
ISS_141TI_M90R3CLD339_PRIME	C, V	2010-339T19:30:00	E141_M90R3CLD339+000T00:00:00	000T01:30:00	2010-339T21:00:00	ISS_NAC TO TITAN	NEG_Z TO 41.2/83.6	
SP_142TI_WAYPTTURN354_PRIME		2010-354T00:23:00		000T00:40:00	2010-354T01:03:00	ISS_NAC TO TITAN	POS_X TO 168.227/-62.426 NEW WAYPOINT ATTITUDE ACCOMMODATES S65 RBOT STRATEGY	
ISS_142TI_M60R1CLD354_PRIME	C, V	2010-354T01:03:00	E142_M60R1CLD354+000T00:00:00	000T02:00:00	2010-354T03:03:00	ISS_NAC TO TITAN	POS_X TO 168.227/-62.426	
ISS_142TI_M90R3CLD357_PRIME	C, V	2010-357T01:00:00	E142_M90R3CLD357+000T00:00:00	000T01:30:00	2010-357T02:30:00	ISS_NAC TO TITAN	NEG_Z TO 41.4/83.6	
ISS_142TI_M90R3CLD358_PRIME	C, V	2010-358T11:00:00	E142_M90R3CLD358+000T00:00:00	000T01:30:00	2010-358T12:30:00	ISS_NAC TO TITAN	NEG_Z TO 175.75/77.054	
SP_143TI_WAYPTTURN014_PRIME		2011-014T16:27:00		000T00:38:00	2011-014T17:05:00	ISS_NAC TO TITAN	POS_Z TO 219.4/-83.6	
CIRS_143TI_COMPMAP001_PRIME	V	2011-014T17:05:00		000T10:10:00	2011-015T03:15:00	CIRS_FPFB TO TITAN	NEG_Z TO NSP	
ISS_143TI_M90R1CLD014_PRIME	C, V	2011-015T03:15:00	E143_M90R1CLD014+000T00:00:00	000T02:00:00	2011-015T05:15:00	ISS_NAC TO TITAN	POS_Z TO 219.4/-83.6	
ISS_143TI_M90R1CLD015_PRIME	C, V	2011-015T18:00:00	E143_M90R1CLD015+000T00:00:00	000T02:00:00	2011-015T20:00:00	ISS_NAC TO TITAN	NEG_Z TO 140.719/78.868	
ISS_144TI_M90R3CLD021_PRIME	C, V	2011-021T17:00:00	E144_M90R3CLD021+000T00:00:00	000T01:30:00	2011-021T18:30:00	ISS_NAC TO TITAN (0.0,31.0,0.0 DEG. I	NEG_Z TO 37.8/83.6	
RADAR_144TI_RADIOMCAL005_PRIME		2011-029T02:59:00		000T02:00:00	2011-029T04:59:00	NEG_Z TO TITAN	NEG_Y TO 92.0/-46.6	
ISS_144TI_M60R3CLD035_PRIME	C, M, V	2011-035T08:24:00	E144_M60R3CLD035+000T00:00:00	000T01:30:00	2011-035T09:54:00	ISS_NAC TO TITAN	NEG_Z TO 136.408/43.318	
TITAN FLYBY T74 SEGMENT		2011-048T20:31:00		002T00:00:00	2011-050T20:31:00			
SP_145TI_WAYPTTURN048_PRIME		2011-048T20:31:00		000T00:40:00	2011-048T21:11:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2011-048T21:11:00		001T14:20:00	2011-050T11:31:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_145TI_DEADTIME048_PRIME		2011-048T21:11:00		000T00:15:00	2011-048T21:26:00	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_145TI_MIDIRTMAP001_PRIME	I, R, V	2011-048T21:26:11	GMB_E145_TITAN_T74-000T18:38:00	000T06:38:00	2011-049T04:04:11	CIRS_FPFB TO TITAN	NEG_X TO 74.4/-6.2	
CAPS_145TI_T74PTG001_PRIME	C, M, R	2011-049T04:04:11	GMB_E145_TITAN_T74-000T12:00:00	001T00:00:00	2011-050T04:04:11	XBAND TO EARTH	NEG_X TO 118.4/71.88	HGA TO EARTH FOR RSS
145TI (T) T74 TITAN INBOUN...		2011-049T16:04:11		000T00:00:01	2011-049T16:04:12			
CIRS_145TI_MIDIRTMAP002_PRIME	I, V	2011-050T04:04:11	GMB_E145_TITAN_T74+000T12:00:00	000T06:31:00	2011-050T10:35:11	CIRS_FPFB TO TITAN	NEG_Z TO 215.4/-84.0	COLLABORATIVE RIDER(S): ISS. COLLABORATIVE RIDER: ISS. HANDOFF TO NEG_Y TO TITAN, NEG_X TO 17.655/85.644
SP_145TI_DEADTIME050_PRIME		2011-050T10:36:00	GMB_E145_TITAN_T74+000T18:31:49	000T00:15:00	2011-050T10:51:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_145TI_DLTURNO50_PRIME		2011-050T10:51:00		000T00:40:00	2011-050T11:31:00	XBAND TO EARTH	NEG_X TO 40.6/83.5	RA/DEC = NSP; PICK UP FROM NEG_Y TO TITAN, NEG_X TO 17.655/85.644
NEW WAYPOINT		2011-050T11:31:00		001T08:30:00	2011-051T20:01:00	XBAND TO EARTH	NEG_X TO 40.6/83.5	
SP_145EA_C70METNON050_PRIME	C, E, R	2011-050T11:31:00		000T09:00:00	2011-050T20:31:00	XBAND TO EARTH	ROLLING	NEG_X TO NEP OR NSP, CAPS
ISS_145TI_M90R3CLD056_PRIME	C, V	2011-056T06:57:00	E145_M90R3CLD056+000T00:00:00	000T01:30:00	2011-056T08:27:00	ISS_NAC TO TITAN	NEG_Z TO 37.6/83.7	
ISS_145TI_M90R3CLD058_PRIME	C, V	2011-058T06:42:00	E145_M90R3CLD058+000T00:00:00	000T01:30:00	2011-058T08:12:00	ISS_NAC TO TITAN	NEG_Z TO 177.474/76.247	
ISS_145TI_M90R3CLD062_PRIME	C, M, V	2011-062T13:57:00	E145_M90R3CLD062+000T00:00:00	000T01:30:00	2011-062T15:27:00	ISS_NAC TO TITAN	NEG_Z TO 37.6/83.7	
ISS_145TI_M90R3CLD064_PRIME	C, M, V	2011-064T13:57:00	E145_M90R3CLD064+000T00:00:00	000T01:30:00	2011-064T15:27:00	ISS_NAC TO TITAN	NEG_Z TO 37.6/83.7	
ISS_146TI_M90R3CLD066_PRIME	C, M, V	2011-066T13:48:00	E146_M90R3CLD066+000T00:00:00	000T01:30:00	2011-066T15:18:00	ISS_NAC TO TITAN	NEG_Z TO 154.918/62.369	
ISS_146TI_M90R3CLD068_PRIME	C, V	2011-068T13:43:00	E146_M90R3CLD068+000T00:00:00	000T01:30:00	2011-068T15:13:00	ISS_NAC TO TITAN	NEG_Z TO 166.023/54.187	
ISS_146TI_M90R3CLD070_PRIME	C, V	2011-070T13:28:00	E146_M90R3CLD070+000T00:00:00	000T01:30:00	2011-070T14:58:00	ISS_NAC TO TITAN	NEG_Z TO 37.5/83.7	
ISS_146TI_M90R3CLD088_PRIME	C, M, V	2011-088T17:48:00	E146_M90R3CLD088+000T00:00:00	000T01:30:00	2011-088T19:18:00	ISS_NAC TO TITAN	NEG_Z TO EARTH	

ISS_148TI_M90R3CLD138_PRIME	C, V	2011-138T15:30:00	E148_M90R3CLD138+000T00:00:00	000T01:30:00	2011-138T17:00:00	ISS_NAC TO TITAN	NEG_Z TO 37.5/83.7	
ISS_148TI_MUTUALEVE003_PRIME		2011-141T15:20:00		000T05:00:00	2011-141T20:20:00	ISS_NAC TO TITAN	NEG_X TO 37.5/83.7	ISS_NAC TO TITAN CONTROL OF SECONDARY AXIS NOT REQUIRED
ISS_149TI_M90R3CLD155_PRIME	C, V	2011-155T08:00:00	E149_M90R3CLD155+000T00:00:00	000T01:30:00	2011-155T09:30:00	ISS_NAC TO TITAN	NEG_X TO 37.5/83.7	
ISS_149TI_M60R3CLD162_PRIME	C, V	2011-162T14:00:00	E149_M60R3CLD162+000T00:00:00	000T01:30:00	2011-162T15:30:00	ISS_NAC TO TITAN	NEG_Z TO 354.389/64.818	
ISS_149TI_M90R3CLD164_PRIME	C, V	2011-164T14:00:00	E149_M90R3CLD164+000T00:00:00	000T01:30:00	2011-164T15:30:00	ISS_NAC TO TITAN	NEG_Z TO 15.417/78.643	
TITAN FLYBY T77 SEGMENT		2011-171T05:42:00		002T02:00:00	2011-173T07:42:00			
SP_149TI_WAYPTTURN171_PRIME		2011-171T05:42:00		000T00:40:00	2011-171T06:22:00	NEG_Y TO TITAN	POS_X TO 217.0/-83.7	
NEW WAYPOINT		2011-171T06:22:00		001T12:50:00	2011-172T19:12:00	NEG_Y TO TITAN	POS_X TO 217.0/-83.7	
SP_149TI_DEADTIME171_PRIME		2011-171T06:22:00		000T00:05:00	2011-171T06:27:00	NEG_Y TO TITAN	POS_X TO 217.0/-83.7	
UVIS_149TI_HDACSTARE001_PRIME	C, I, R, V	2011-171T06:27:00	GMB_E149_TITAN_T77-000T12:05:01	000T03:05:01	2011-171T09:32:01	UVIS_FUV TO TITAN	POS_X TO 217.0/83.7	
UVIS_149TI_EUVFUV001_PRIME	C, I, R, V	2011-171T09:32:01	GMB_E149_TITAN_T77-000T09:00:00	000T06:30:00	2011-171T16:02:01	UVIS_FUV TO TITAN	POS_X TO 217.0/83.7	
RADAR_149TI_T77INSCAT001_PRIME	M	2011-171T16:02:01	GMB_E149_TITAN_T77-000T02:30:00	000T01:18:00	2011-171T17:20:01	NEG_Z TO TITAN	POS_Y TO NTP	
RADAR_149TI_T77IHISAR001_PRIME	M	2011-171T17:20:01	GMB_E149_TITAN_T77-000T01:12:00	000T00:42:00	2011-171T18:02:01	NEG_Z TO TITAN	POS_Y TO NTP	
RADAR_149TI_T77INALT001_PRIME	M	2011-171T18:02:01	GMB_E149_TITAN_T77-000T00:30:00	000T00:12:00	2011-171T18:14:01	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	
RADAR_149TI_T77INOSAR001_PRIME	M	2011-171T18:14:01	GMB_E149_TITAN_T77-000T00:18:00	000T00:36:00	2011-171T18:50:01	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	
149TI (T) T77 TITAN OUTBOU...		2011-171T18:32:01		000T00:00:01	2011-171T18:32:02			
RADAR_149TI_T77OUTALT001_PRIME	M	2011-171T18:50:01	GMB_E149_TITAN_T77+000T00:18:00	000T00:12:00	2011-171T19:02:01	NEG_Z TO TITAN	NEG_X TO NTP	
RADAR_149TI_T77OHISAR001_PRIME	M	2011-171T19:02:01	GMB_E149_TITAN_T77+000T00:30:00	000T00:42:00	2011-171T19:44:01	NEG_Z TO TITAN	NEG_X TO NTP	
RADAR_149TI_T77OUTSCT001_PRIME	M	2011-171T19:44:01	GMB_E149_TITAN_T77+000T01:12:00	000T01:18:00	2011-171T21:02:01	NEG_Z TO TITAN	NEG_Y TO NTP	
CIRS_149TI_FIRNADMAP002_PRIME	I, V	2011-171T21:02:01	GMB_E149_TITAN_T77+000T02:30:00	000T02:30:00	2011-171T23:32:01	CIRS_FP1 TO TITAN	NEG_X TO NORTH_POLE_DIR	
CIRS_149TI_MIRLMBMAP002_PRIME	I, U, V	2011-171T23:32:01	GMB_E149_TITAN_T77+000T05:00:00	000T04:00:00	2011-172T03:32:01	CIRS_FP2 TO TITAN	PIC	
VIMS_149TI_GLOBMAP001_PRIME	C, I	2011-172T03:32:01	GMB_E149_TITAN_T77+000T09:00:00	000T05:00:00	2011-172T08:32:01	VIMS_IR TO TITAN	NEG_X TO 93.5/-49.9	
CIRS_149TI_MIDIRTMAP002_PRIME	I, V	2011-172T08:32:01	GMB_E149_TITAN_T77+000T14:00:00	000T09:44:59	2011-172T18:17:00	CIRS_FP3 TO TITAN	PIC	
SP_149NA_DEADTIME172_PRIME		2011-172T18:17:00	GMB_E149_TITAN_T77+000T23:44:59	000T00:15:00	2011-172T18:32:00	NEG_Y TO TITAN	POS_X TO 217.0/-83.7	
SP_149EA_DLTURN172_PRIME		2011-172T18:32:00		000T00:40:00	2011-172T19:12:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2011-172T19:12:00		000T13:48:00	2011-173T09:00:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
ENGR_149SC_KPTYBIAS172_PRIME		2011-172T19:12:00		000T01:30:00	2011-172T20:42:00	NEG_Z TO DELTA_H	NEG_X TO SUN	
SP_149EA_G34HEFSEQ172_PRIME	C	2011-172T20:42:00		000T09:00:00	2011-173T05:42:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	6_HR_ROLLING	NEG_Y TO SATURN (0.0,-9.5), MIMI
SP_149EA_C34HEFNON173_PRIME	C	2011-173T05:42:00		000T02:00:00	2011-173T07:42:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING	NEG_Y TO SATURN (0.0,-9.5), MIMI
SP_149TI_WAYPTTURN573_PRIME		2011-173T08:00:00		000T01:00:00	2011-173T09:00:00	ISS_NAC TO TITAN	POS_Z TO 37.1/83.7	SECOND TURN OF TWO PART TURN
CIRS_149TI_TEA001_PRIME	I, V	2011-173T09:00:00		000T07:30:00	2011-173T16:30:00	CIRS_FP3 TO TITAN	POS_Z TO NTP	COLLABORATIVE RIDER(S): ISS. 2X2 ISS/NAC MOSAIC AT BEGINNING AND END OF CIRS INTEGRATION
CIRS_149TI_TEA002_PRIME	I, V	2011-174T05:42:00		000T21:00:00	2011-175T02:42:00	CIRS_FP3 TO TITAN	POS_Z TO NTP	COLLABORATIVE RIDER(S): ISS. TITAN IS SMALLER THAN THE NAC FOV - NO MOSAICS.
CIRS_149TI_TEA003_PRIME	I, V	2011-175T11:42:00		000T15:00:00	2011-176T02:42:00	CIRS_FP3 TO TITAN	POS_Z TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS - TITAN IS SMALLER THAN THE NAC FOV.
CIRS_149TI_TEA004_PRIME	I, M	2011-176T11:42:00		001T13:29:00	2011-178T01:11:00	CIRS_FP3 TO TITAN	NEG_X TO 260.0/83.0	COLLABORATIVE RIDER(S): ISS. NO MOSAICS - TITAN IS SMALLER THAN NAC FOV
ISS_150TI_M90R3CLD184_PRIME	C, V	2011-184T13:00:00	E150_M90R3CLD184+000T00:00:00	000T01:30:00	2011-184T14:30:00	ISS_NAC TO TITAN	NEG_X TO 37.8/83.7	
RADAR_150TI_RADIOCAL008_PRIME		2011-189T22:00:00		000T02:24:00	2011-190T00:24:00	NEG_Z TO TITAN	NEG_X TO NEP	
ISS_150TI_M60R2CLD192_PRIME	C, V	2011-192T11:19:00	E150_M60R2CLD192+000T00:00:00	000T01:30:00	2011-192T12:49:00	ISS_NAC TO TITAN (0.0,-97.0,0.0 DEG.	NEG_X TO 37.3/87.3	
ISS_150TI_M30R3CLD194_PRIME	C, I, V	2011-195T18:00:00	E150_M30R3CLD194+000T00:00:00	000T01:30:00	2011-195T19:30:00	ISS_NAC TO TITAN	NEG_X TO 37.7/83.7	
ISS_150TI_M60R3CLD198_PRIME	C, I, V	2011-198T21:00:00	E150_M60R3CLD198+000T00:00:00	000T01:30:00	2011-198T22:30:00	ISS_NAC TO TITAN	NEG_Z TO 37.7/83.7	
ISS_151TI_M90R2CLD205_PRIME	C, I, V	2011-205T16:00:00	E151_M90R2CLD205+000T00:00:00	000T01:30:00	2011-205T17:30:00	ISS_NAC TO TITAN	NEG_Z TO 37.7/83.7	
ISS_151TI_M60R2CLD219_PRIME	V	2011-219T09:46:00	E151_M60R2CLD219+000T00:00:00	000T01:30:00	2011-219T11:16:00	ISS_NAC TO TITAN	NEG_Z TO 37.5/83.7	

ISS_151TI_M60R2CLD221_PRIME	V	2011-221T03:16:00	E151_M60R2CLD221+000T00:00:00	000T01:30:00	2011-221T04:46:00	ISS_NAC TO TITAN	NEG_Z TO 37.5/83.7
ISS_151TI_M30R2CLD223_PRIME	V	2011-222T13:40:00	E151_M30R2CLD222+000T00:00:00	000T01:30:00	2011-222T15:10:00	ISS_NAC TO TITAN	NEG_Z TO 37.5/83.7
ISS_152TI_M30R3CLD225_PRIME	M, V	2011-225T03:00:00	E152_M30R3CLD225+000T00:00:00	000T01:30:00	2011-225T04:30:00	ISS_NAC TO TITAN	NEG_Z TO 37.5/83.7
ISS_152TI_M60R3CLD229_PRIME	V	2011-229T02:42:00	E152_M60R3CLD229+000T00:00:00	000T01:30:00	2011-229T04:12:00	ISS_NAC TO TITAN	NEG_Z TO 37.5/83.7
ISS_152TI_M90R3CLD231_PRIME	C, V	2011-231T08:59:00	E152_M90R3CLD231+000T00:00:00	000T01:30:00	2011-231T10:29:00	ISS_NAC TO TITAN	NEG_Z TO 37.5/83.7
ISS_152TI_M30R3CLD241_PRIME	C, I, V	2011-241T18:30:00	E152_M30R3CLD241+000T00:00:00	000T01:30:00	2011-241T20:00:00	ISS_NAC TO TITAN	NEG_X TO 37.7/83.7
ISS_152TI_M60R3CLD244_PRIME	C, I, V	2011-244T02:00:00	E152_M60R3CLD244+000T00:00:00	000T01:30:00	2011-244T03:30:00	ISS_NAC TO TITAN	NEG_X TO 37.7/83.7
ISS_153TI_M90R3CLD249_PRIME	C, I, V	2011-249T02:00:00	E153_M90R3CLD249+000T00:00:00	000T01:30:00	2011-249T03:30:00	ISS_NAC TO TITAN	NEG_Z TO 37.7/83.7
ISS_153TI_M90R3CLD250_PRIME	C, V	2011-250T01:45:00	E153_M90R3CLD250+000T00:00:00	000T01:30:00	2011-250T03:15:00	ISS_NAC TO TITAN	NEG_Z TO 137.563/86.026
ISS_153TI_M120R2HZ252_PRIME	C, M, V	2011-252T07:30:00	E153_M120R2HZ252+000T00:00:00	000T01:30:00	2011-252T09:00:00	ISS_NAC TO TITAN	NEG_Z TO 28.201/68.821
TITAN FLYBY T78 SEGMENT		2011-254T06:47:00		002T00:45:00	2011-256T07:32:00		
SP_153TI_WAYPTTURN254_PRIME		2011-254T06:47:00		000T00:40:00	2011-254T07:27:00	NEG_Y TO TITAN (0.0,0.0,5.0 DEG. OFF NEG_X TO 37.6/83.8	
NEW WAYPOINT		2011-254T07:27:00		001T06:03:00	2011-255T13:30:00	NEG_Y TO TITAN (0.0,0.0,5.0 DEG. OFI NEG_X TO 37.6/83.8	
SP_153NA_DEADTIME254_PRIME		2011-254T07:27:00		000T00:15:00	2011-254T07:42:00	NEG_Y TO TITAN (0.0,0.0,5.0 DEG. OFI NEG_X TO 37.6/83.8	
CIRS_153TI_MIDIRTMAP001_PRIME	I, V	2011-254T07:42:00	GMB_E153_TITAN_T78-000T19:08:06	000T06:08:06	2011-254T13:50:06	CIRS_FPB TO TITAN	PIC
CIRS_153TI_FIRNADCMP001_PRIME	I, V	2011-254T13:50:06	GMB_E153_TITAN_T78-000T13:00:00	000T04:00:00	2011-254T17:50:06	CIRS_FP1 TO TITAN	PIC
CIRS_153TI_MIRLMBINT001_PRIME	I, V	2011-254T17:50:06	GMB_E153_TITAN_T78-000T09:00:00	000T04:00:00	2011-254T21:50:06	CIRS_FPB TO TITAN	PIC
CIRS_153TI_FIRNADMAP001_PRIME	I, V	2011-254T21:50:06	GMB_E153_TITAN_T78-000T05:00:00	000T02:45:00	2011-255T00:35:06	CIRS_FP1 TO TITAN	PIC
BEGIN CUSTOM PERIOD		2011-255T00:35:06	GMB_E153_TITAN_T78-000T02:15:00	000T00:00:01	2011-255T00:35:07		
CIRS_153TI_FIRLMBINT001_PRIME	I, M, V	2011-255T00:35:06	GMB_E153_TITAN_T78-000T02:15:00	000T01:00:00	2011-255T01:35:06	CIRS_FP1 TO TITAN	PIC
CIRS_153TI_FIRLMBBAER001_PRIME	I, M	2011-255T01:35:06	GMB_E153_TITAN_T78-000T01:15:00	000T00:32:00	2011-255T02:07:06	CIRS_FP1 TO TITAN	PIC
VIMS_153TI_OCCHIAQ001_PRIME	C, M	2011-255T02:07:06	GMB_E153_TITAN_T78-000T00:43:00	000T00:16:00	2011-255T02:23:06	VIMS_IR TO 349.212/-7.727	NEG_Z TO NTP
UVIS_153SU_USUNOCC001_PRIME	C, I, M, V	2011-255T02:23:06	GMB_E153_TITAN_T78-000T00:27:00	000T00:56:00	2011-255T03:19:06	UVIS_SOL_OFF TO SUN	NEG_Z TO NORTH_POLE_DIR
BEGIN DUAL PLAYBACK SCIENCE		2011-255T02:47:06	GMB_E153_TITAN_T78-000T00:03:00	000T00:00:01	2011-255T02:47:07		
153TI (T) T78 TITAN INBOUN...		2011-255T02:50:06		000T00:00:01	2011-255T02:50:07		
END DUAL PLAYBACK SCIENCE		2011-255T03:14:06	GMB_E153_TITAN_T78+000T00:24:00	000T00:00:01	2011-255T03:14:07		
CAPS_153TI_T78PTG001_PRIME	C, M	2011-255T03:19:06	GMB_E153_TITAN_T78+000T00:29:00	000T03:31:00	2011-255T06:50:06	POS_Y TO COROT (-5.0,0.0,0.0 DEG. OFI NEG_Z TO NSP	COLLABORATIVE RIDER(S): CAPS. PICK UP AT UVIS_SOL_OFF TO SUN, NEG_Z TO NORTH_POLE_DIR; HAND OFF AT NEG_Y TO TITAN (0.0,0.0,5.0 DEG. OFFSET), NEG_X TO 37.6/83.8. COLLABORATIVE RIDER(S): CAPS. SOME OFFSET ABOUT X MAY BE NEEDED TO AVOID ORS TO SUN
END CUSTOM PERIOD		2011-255T06:50:06	GMB_E153_TITAN_T78+000T04:00:00	000T00:00:01	2011-255T06:50:07		
UVIS_153TI_HDACSTARE001_PRIME	C, I, V	2011-255T06:50:06	GMB_E153_TITAN_T78+000T04:00:00	000T06:09:54	2011-255T13:00:00	UVIS_FUV TO TITAN	NEG_X TO NTP
SP_153NA_DEADTIME255_PRIME		2011-255T13:00:00	GMB_E153_TITAN_T78+000T10:09:54	000T00:10:00	2011-255T13:10:00	NEG_Y TO TITAN (0.0,0.0,5.0 DEG. OFI NEG_X TO 37.6/83.8	
SP_153NA_DLTURN255_PRIME		2011-255T13:10:00		000T00:20:00	2011-255T13:30:00	XBAND TO EARTH	NEG_X TO NEP
NEW WAYPOINT		2011-255T13:30:00		000T19:07:00	2011-256T08:37:00	XBAND TO EARTH	NEG_X TO NEP

SP_153EA_YBIAS255_PRIME		2011-255T13:30:00		000T01:30:00	2011-255T15:00:00	XBAND TO EARTH	NEG_X TO NEP	
SP_153EA_G70METNON255_PRIME	C	2011-255T15:00:00		000T08:35:00	2011-255T23:35:00	XBAND TO EARTH	ROLLING/SRU	NEG_X TO NEP, CAPS
POINTER RESET IN PREPARATIO...		2011-255T23:35:00		000T00:00:01	2011-255T23:35:01			
SP_153EA_C70METNON255_PRIME	C, E	2011-256T00:00:00		000T04:32:00	2011-256T04:32:00	XBAND TO EARTH	ROLLING/SRU	NEG_X TO NEP, CAPS
ISS_153TI_M60R2CLD257_PRIME	C, V	2011-257T20:47:00	E153_M60R2CLD257+000T00:00:00	000T01:30:00	2011-257T22:17:00	ISS_NAC TO TITAN	POS_X TO 267.659/33.531	
ISS_153TI_M30R3CLD259_PRIME	C, I, V	2011-259T21:52:00	E153_M30R3CLD259+000T00:00:00	000T01:30:00	2011-259T23:22:00	ISS_NAC TO TITAN	NEG_Z TO 37.6/83.7	
ISS_153TI_M60R3CLD262_PRIME	C, I, V	2011-262T01:00:00	E153_M60R3CLD262+000T00:00:00	000T01:30:00	2011-262T02:30:00	ISS_NAC TO TITAN	NEG_Z TO 37.6/83.7	
SP_154TI_WAYPTTURN269_PRIME		2011-269T16:02:00		000T00:48:00	2011-269T16:50:00	ISS_NAC TO TITAN	POS_X TO 217.6/-83.4	
ISS_154TI_LRMONITOR001_PRIME		2011-269T16:50:00		000T06:00:00	2011-269T22:50:00	ISS_NAC TO TITAN	POS_X TO 217.6/-83.4	
CIRS_154TI_COMPMAP001_PRIME		2011-269T22:50:00		000T06:00:00	2011-270T04:50:00	CIRS_FPB TO TITAN	POS_X TO 217.6/-83.4	
ISS_154TI_M30R3CLD276_PRIME	C, I, V	2011-277T00:00:00	E154_M30R3CLD276+000T00:00:00	000T01:30:00	2011-277T01:30:00	ISS_NAC TO TITAN	NEG_Z TO 39.0/83.7	
RADAR_154TI_RADIOCAL010_PRIME	I, V	2011-277T17:30:00		000T02:00:00	2011-277T19:30:00	NEG_Z TO TITAN	NEG_X TO NTP	
ISS_155TI_M60R2CLD291_PRIME	C, V	2011-291T15:26:00	E155_M60R2CLD291+000T00:00:00	000T01:30:00	2011-291T16:56:00	ISS_NAC TO TITAN	POS_X TO 142.774/15.511	
ISS_155TI_CLOUD001_PRIME	C, V	2011-291T23:50:00		000T02:00:00	2011-292T01:50:00	ISS_NAC TO TITAN	POS_X TO 220.7/-83.7	
ISS_155TI_M60R3CLD295_PRIME	C, I, V	2011-295T05:00:00	E155_M60R3CLD295+000T00:00:00	000T01:30:00	2011-295T06:30:00	ISS_NAC TO TITAN	NEG_Z TO 15.38/81.116	
CIRS_155TI_TEA003_PRIME	I, V	2011-297T05:00:00		000T19:00:00	2011-298T00:00:00	CIRS_FPB TO TITAN	NEG_Z TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS RANGE=2.3-2.0 MKM
CIRS_155TI_TEA004_PRIME	I, M, V	2011-298T14:32:00		000T13:15:00	2011-299T03:47:00	CIRS_FPB TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS RANGE=1.9-1.7 MKM
CIRS_155TI_TEA005_PRIME	I, V	2011-299T14:17:00		000T13:30:00	2011-300T03:47:00	CIRS_FPB TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS RANGE=1.6-1.4 MKM
CIRS_156TI_TEA003_PRIME	I, V	2011-303T14:02:00		000T13:30:00	2011-304T03:32:00	CIRS_FPB TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS RANGE=1.6-1.8 MKM
CIRS_156TI_TEA004_PRIME	I, V	2011-304T14:02:00		000T13:30:00	2011-305T03:32:00	CIRS_FPB TO TITAN	NEG_Z TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS RANGE=1.9-2.0 MKM
CIRS_156TI_TEA005_PRIME	I	2011-305T14:02:00		001T04:45:00	2011-306T18:47:00	CIRS_FPB TO TITAN	NEG_Z TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS RANGE=2.1-2.3 MKM
CIRS_156TI_TEA006_PRIME	I, V	2011-307T03:47:00		000T15:00:00	2011-307T18:47:00	CIRS_FPB TO TITAN	NEG_Z TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS RANGE=2.3-2.2 MKM
ISS_157TI_M90R3CLD327_PRIME	C, I, M, V	2011-327T03:13:00	E157_M90R3CLD327+000T00:00:00	000T01:30:00	2011-327T04:43:00	ISS_NAC TO TITAN	NEG_Z TO 29.025/78.778	
CIRS_157TI_COMPMAP001_PRIME	I, M, V	2011-331T18:00:00		000T15:34:00	2011-332T09:34:00	CIRS_FPB TO TITAN	NEG_X TO SUN	SECONDARY IS NEG_X TO SUN TO PERMIT ISS PHOTOMETRY RIDER
ISS_158TI_M60R3CLD341_PRIME	C, I, V	2011-341T02:14:00	E158_M60R3CLD341+000T00:00:00	000T01:30:00	2011-341T03:44:00	ISS_NAC TO TITAN	NEG_X TO 39.4/83.7	
ISS_158TI_M90R3CLD343_PRIME	C, I, M, V	2011-343T12:29:00	E158_M90R3CLD343+000T00:00:00	000T01:30:00	2011-343T13:59:00	ISS_NAC TO TITAN (0.0,-16.0,0.0 DEG.	NEG_Z TO 39.4/83.7	CUSTOM PICK-UP AND HAND-OFF TO ISS_NAC TO SATURN (0.0,-16.0,0.0), NEG_Z TO 39.4/83.7
SP_158TI_WAYPTTURN344_PRIME		2011-344T18:30:00		000T00:30:00	2011-344T19:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_158TI_MUTUALEVE001_PRIME	V	2011-344T19:00:00		000T03:00:00	2011-344T22:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_158TI_M150R2HZ345_PRIME	C, V	2011-344T22:00:00	E158_M150R2HZ344+000T00:00:00	000T02:00:00	2011-345T00:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T79 SEGMENT		2011-347T04:05:00		003T07:15:00	2011-350T11:20:00			
SP_158TI_DEADTIME347_PRIME		2011-347T04:05:00		000T00:15:00	2011-347T04:20:00	XBAND TO EARTH	POS_X TO 193.0/81.0	
CAPS_158TI_T79PTG001_PRIME	C, I, M	2011-347T04:20:00	GMB_E158_TITAN_T79-000T15:51:24	001T00:11:24	2011-348T04:31:24	XBAND TO EARTH	POS_X TO 193.0/81.0	SECONDARY AND OFFSETS FOR RBOT AND MIMI

SP_159EA_G70METNON003_PRIME	C	2012-003T08:23:00		000T05:00:00	2012-003T13:23:00	XBAND TO EARTH	NEG_X TO NSP	NEG_X TO NEP OR NSP, CAPS
SP_159EA_C70METNON003_PRIME	C	2012-003T14:08:00		000T04:15:00	2012-003T18:23:00	XBAND TO EARTH	NEG_X TO NSP	NEG_X TO NEP OR NSP, CAPS
ISS_159TI_M60R3CLD008_PRIME	I	2012-008T00:33:00	E159_M60R3CLD008+000T00:00:00	000T01:30:00	2012-008T02:03:00	ISS_NAC TO TITAN	NEG_Z TO 45.4/82.1	
ISS_159TI_M60R3CLD009_PRIME	C, I, V	2012-009T18:03:00	E159_M60R3CLD009+000T00:00:00	000T01:30:00	2012-009T19:33:00	ISS_NAC TO TITAN	NEG_Z TO 45.4/82.1	
ISS_159TI_M90R3CLD011_PRIME	C, I, V	2012-011T18:04:00	E159_M90R3CLD011+000T00:00:00	000T01:30:00	2012-011T19:34:00	ISS_NAC TO TITAN	NEG_Z TO 45.4/82.1	
ISS_159TI_M90R3CLD012_PRIME	C, I, V	2012-012T10:19:00	E159_M90R3CLD012+000T00:00:00	000T01:30:00	2012-012T11:49:00	ISS_NAC TO TITAN	NEG_X TO 45.4/82.1	
ISS_159TI_M90R3CLD013_PRIME	C, I, V	2012-013T10:19:00	E159_M90R3CLD013+000T00:00:00	000T01:30:00	2012-013T11:49:00	ISS_NAC TO TITAN	NEG_Z TO 84.524/84.426	
ISS_159TI_M90R3CLD014_PRIME	C, I, M, V	2012-014T10:19:00	E159_M90R3CLD014+000T00:00:00	000T01:30:00	2012-014T11:49:00	ISS_NAC TO TITAN	NEG_Z TO 85.184/84.019	
ISS_159TI_M90R2CLD015_PRIME	C, I, M, V	2012-015T10:19:00	E159_M90R2CLD015+000T00:00:00	000T01:30:00	2012-015T11:49:00	ISS_NAC TO TITAN	NEG_X TO 45.4/82.1	
ISS_160TI_M60R2CLD017_PRIME	C, I, M, V	2012-017T10:05:00	E160_M60R2CLD017+000T00:00:00	000T01:30:00	2012-017T11:35:00	ISS_NAC TO TITAN	NEG_Z TO 123.093/75.354	
ISS_160TI_M60R3CLD018_PRIME	C, I, M, V	2012-018T23:50:00	E160_M60R3CLD018+000T00:00:00	000T01:30:00	2012-019T01:20:00	ISS_NAC TO TITAN	NEG_Z TO 335.333/37.697	
ISS_160TI_M60R3CLD020_PRIME	C, I, V	2012-020T23:50:00	E160_M60R3CLD020+000T00:00:00	000T01:30:00	2012-021T01:20:00	ISS_NAC TO TITAN	NEG_X TO 321.343/-56.06	
ISS_160TI_M60R3CLD022_PRIME	C, I, V	2012-022T23:35:00	E160_M60R3CLD022+000T00:00:00	000T01:30:00	2012-023T01:05:00	ISS_NAC TO TITAN	NEG_Z TO 45.4/82.1	
ISS_160TI_M90R3CLD024_PRIME	C, I, V	2012-024T23:41:00	E160_M90R3CLD024+000T00:00:00	000T01:30:00	2012-025T01:11:00	ISS_NAC TO TITAN	NEG_X TO 45.4/82.1	
TITAN FLYBY T81 SEGMENT		2012-029T22:41:00		001T23:00:00	2012-031T21:41:00			
SP_160TI_WAYPTTURN029_PRIME		2012-029T22:41:00		000T00:40:00	2012-029T23:21:00	NEG_Y TO TITAN	POS_X TO 276.0/-25.0	
NEW WAYPOINT		2012-029T23:21:00		001T05:50:00	2012-031T05:11:00	NEG_Y TO TITAN	POS_X TO 276.0/-25.0	
SP_160NA_DEADTIME029_PRIME		2012-029T23:21:00		000T00:15:01	2012-029T23:36:01	NEG_Y TO TITAN	POS_X TO 276.0/-25.0	
CIRS_160TI_FIRNADCMP001_PRIME	I, V	2012-029T23:36:01	GMB_E160_TITAN_T81-000T14:03:47	000T05:03:47	2012-030T04:39:48	CIRS_FP1 TO TITAN	PIC	
UVIS_160TI_EUVFUV001_PRIME	C, V	2012-030T04:39:48	GMB_E160_TITAN_T81-000T09:00:00	000T06:45:00	2012-030T11:24:48	UVIS_FUV TO TITAN	POS_X TO 276.0/-25.0	
ISS_160TI_HIRES001_PRIME	C, M, V	2012-030T11:24:48	GMB_E160_TITAN_T81-000T02:15:00	000T05:00:00	2012-030T16:24:48	ISS_NAC TO TITAN	NEG_X TO SUN	
160TI (T) T81 TITAN OUTBOU...		2012-030T13:39:48		000T00:00:01	2012-030T13:39:49			
BEGIN DUAL PLAYBACK SCIENCE		2012-030T14:24:48	GMB_E160_TITAN_T81+000T00:45:00	000T00:00:01	2012-030T14:24:49			
END DUAL PLAYBACK SCIENCE		2012-030T16:09:48	GMB_E160_TITAN_T81+000T02:30:00	000T00:00:01	2012-030T16:09:49			
UVIS_160TI_EUVFUV002_PRIME	C, V	2012-030T16:24:48	GMB_E160_TITAN_T81+000T02:45:00	000T06:15:00	2012-030T22:39:48	UVIS_FUV TO TITAN	POS_X TO 276.0/-25.0	
CIRS_160TI_FIRNADCMP002_PRIME	I, V	2012-030T22:39:48	GMB_E160_TITAN_T81+000T09:00:00	000T05:36:13	2012-031T04:16:01	CIRS_FP1 TO TITAN	PIC	
SP_160NA_DEADTIME031_PRIME		2012-031T04:16:01	GMB_E160_TITAN_T81+000T14:36:13	000T00:14:59	2012-031T04:31:00	NEG_Y TO TITAN	POS_X TO 276.0/-25.0	
SP_160NA_DLTRN031_PRIME		2012-031T04:31:00		000T00:40:00	2012-031T05:11:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2012-031T05:11:00		000T17:09:00	2012-031T22:20:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
ENGR_160SC_KPTYBIAS031_PRIME		2012-031T05:11:00		000T01:30:00	2012-031T06:41:00	POS_Z TO DELTA_H (0.0,0.0,-4.999 DE	NEG_X TO SUN	
SP_160EA_G70METNON031_PRIME	C	2012-031T06:41:00		000T10:00:00	2012-031T16:41:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING/SRU	NEG_Y TO SATURN (0,0,-9.5), MIMI
POINTER RESET IN PREPARATIO...		2012-031T16:41:00		000T00:00:01	2012-031T16:41:01			
SP_160EA_C34HEFNON031_PRIME	C	2012-031T16:41:00		000T05:00:00	2012-031T21:41:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING	NEG_Y TO SATURN (0,0,-9.5), MIMI/MAPS
RADAR_160TI_RADIOCAL013_PRIME	M	2012-032T01:20:00		000T02:37:00	2012-032T03:57:00	NEG_Z TO TITAN	NEG_X TO NTP	
CIRS_160TI_TEA002_PRIME	I, M, V	2012-032T15:57:00		001T07:30:00	2012-033T23:27:00	CIRS_FP1 TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS: TITAN FITS INSIDE NAC
CIRS_160TI_TEA003_PRIME	I, V	2012-034T08:27:00		000T15:00:00	2012-034T23:27:00	CIRS_FP1 TO TITAN	NEG_Z TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS: TITAN FITS INSIDE NAC
CIRS_160TI_TEA004_PRIME	I, V	2012-035T08:27:00		000T20:45:00	2012-036T05:12:00	CIRS_FP1 TO TITAN	NEG_Z TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS: TITAN FITS INSIDE NAC
ISS_160TI_M60R3CLD037_PRIME	C, I, V	2012-037T16:22:00	E160_M60R3CLD037+000T00:00:00	000T01:30:00	2012-037T17:52:00	ISS_NAC TO TITAN	NEG_X TO 35.5/82.3	
CIRS_160TI_TEA005_PRIME	I, M, V	2012-038T17:22:00		000T11:10:00	2012-039T04:32:00	CIRS_FP1 TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS: TITAN FITS INSIDE NAC
CIRS_161TI_TEA001_PRIME	I, M, V	2012-042T17:08:00		000T11:10:00	2012-043T04:18:00	CIRS_FP1 TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS. NO MOSAICS: TITAN FITS INSIDE NAC

ISS_164TI_M90R2CLD110_PRIME	C, I, V	2012-110T22:00:00	E164_M90R2CLD110+000T00:00:00	000T01:30:00	2012-110T23:30:00	ISS_NAC TO TITAN	NEG_X TO 37.5/83.7	
ISS_164TI_M90R1CLD111_PRIME	C, I, V	2012-111T11:28:00	E164_M90R1CLD111+000T00:00:00	000T02:00:00	2012-111T13:28:00	ISS_NAC TO TITAN	NEG_X TO 37.5/83.7	
ISS_164TI_M60R2CLD114_PRIME	C, I, V	2012-114T11:13:00	E164_M60R2CLD114+000T00:00:00	000T01:30:00	2012-114T12:43:00	ISS_NAC TO TITAN	NEG_X TO 323.251/-32.91	
ISS_165TI_M60R3CLD119_PRIME	C, I, V	2012-119T10:57:00	E165_M60R3CLD119+000T00:00:00	000T01:30:00	2012-119T12:27:00	ISS_NAC TO TITAN	NEG_X TO 37.0/83.6	
ISS_165TI_M90R3CLD121_PRIME	C, I, M, V	2012-121T10:42:00	E165_M90R3CLD121+000T00:00:00	000T01:30:00	2012-121T12:12:00	ISS_NAC TO TITAN	NEG_X TO 37.0/83.6	
ISS_165TI_M90R1CLD126_PRIME	C, M, V	2012-126T09:47:00	E165_M90R1CLD126+000T00:00:00	000T02:00:00	2012-126T11:47:00	ISS_NAC TO TITAN	POS_X TO 165.6/75.0	
ISS_165TI_LRMONITOR001_PRIME	C, M	2012-127T09:47:00		000T14:45:00	2012-128T00:32:00	ISS_NAC TO TITAN (0.017,-33.0,-0.006	POS_X TO 165.6/75.0	
ISS_165TI_M60R1CLD128_PRIME	C, M, V	2012-128T09:32:00	E165_M60R1CLD128+000T00:00:00	000T02:00:00	2012-128T11:32:00	ISS_NAC TO TITAN	NEG_X TO 329.983/-0.329	
ISS_165TI_M60R3CLD132_PRIME	C, M, V	2012-132T09:17:00	E165_M60R3CLD132+000T00:00:00	000T01:30:00	2012-132T10:47:00	ISS_NAC TO TITAN	NEG_X TO 328.473/9.452	
ISS_166TI_M60R3CLD133_PRIME	C, M, V	2012-133T09:17:00	E166_M60R3CLD133+000T00:00:00	000T01:30:00	2012-133T10:47:00	ISS_NAC TO TITAN	POS_X TO 165.6/75.0	
ISS_166TI_M60R3CLD134_PRIME	C, M, V	2012-134T09:17:00	E166_M60R3CLD134+000T00:00:00	000T01:30:00	2012-134T10:47:00	ISS_NAC TO TITAN	POS_X TO 165.6/75.0	
ISS_166TI_M90R3CLD137_PRIME	C, M, V	2012-137T09:01:00	E166_M90R3CLD137+000T00:00:00	000T01:30:00	2012-137T10:31:00	ISS_NAC TO TITAN	NEG_X TO 40.6/83.5	
ISS_166TI_M90R3CLD138_PRIME	C, M, V	2012-138T20:46:00	E166_M90R3CLD138+000T00:00:00	000T01:30:00	2012-138T22:16:00	ISS_NAC TO TITAN	NEG_X TO 40.6/83.5	
TITAN FLYBY T83 SEGMENT		2012-142T08:31:00		001T17:30:00	2012-144T02:01:00			
SP_166TI_WAYPTTURN142_PRIME		2012-142T08:31:00		000T00:40:00	2012-142T09:11:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2012-142T09:11:00		001T17:29:00	2012-144T02:40:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
SP_166TI_DEADTIME142_PRIME		2012-142T09:11:00		000T00:15:00	2012-142T09:26:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
BEGIN CUSTOM PERIOD		2012-142T09:26:00	GMB_E166_TITAN_T83-000T15:44:11	000T00:00:01	2012-142T09:26:01			
VIMS_166TI_GLOBMAP001_PRIME	C, I	2012-142T09:26:00	GMB_E166_TITAN_T83-000T15:44:11	000T06:44:11	2012-142T16:10:11	VIMS_IR TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): ISS. PICK UP AT XBAND TO EARTH (0.0,0.0,-9.5 DEG. OFFSET), NEG_Y TO SATURN; HAND OFF AT NEG_Y TO TITAN, XBAND TO EARTH. COLLABORATIVE RIDER(S): ISS
CIRS_166TI_MIRLMBINT001_PRIME	I, V	2012-142T16:10:11	GMB_E166_TITAN_T83-000T09:00:00	000T04:00:00	2012-142T20:10:11	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): VIMS. PICK UP AT NEG_Y TO TITAN, XBAND TO EARTH; HAND OFF AT CIRS_FP1 TO TITAN, PIC. COLLABORATIVE RIDER(S): VIMS
CIRS_166TI_FIRNADMAP001_PRIME	I, V	2012-142T20:10:11	GMB_E166_TITAN_T83-000T05:00:00	000T02:33:00	2012-142T22:43:11	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, XBAND TO EARTH. SCAN TO INCLUDE NORTHERN LAKES FOR VIMS.
RADAR_166TI_T83INSCAT001_PRIME	M	2012-142T22:43:11	GMB_E166_TITAN_T83-000T02:27:00	000T01:15:00	2012-142T23:58:11	NEG_Z TO TITAN	POS_Y TO NTP	PICK UP AT NEG_Y TO TITAN, XBAND TO EARTH; HAND OFF AT NEG_Z TO TITAN, POS_Y TO NTP.
RADAR_166TI_T83IHISAR001_PRIME	M	2012-142T23:58:11	GMB_E166_TITAN_T83-000T01:12:00	000T00:41:00	2012-143T00:39:11	NEG_Z TO TITAN	POS_Y TO NTP	PICK UP AT NEG_Z TO TITAN, POS_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, POS_Y TO NTP.
ENGR_166SC_RADRCS142_PRIME	M	2012-143T00:39:11	GMB_E166_TITAN_T83-000T00:31:00	000T00:01:00	2012-143T00:40:11	NEG_Z TO TITAN	POS_Y TO NTP	PICK UP AT NEG_Z TO TITAN, POS_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, POS_Y TO NTP. DEADBAND =(-5,-5,2)
RADAR_166TI_T83INALT001_PRIME	M	2012-143T00:40:11	GMB_E166_TITAN_T83-000T00:30:00	000T00:15:00	2012-143T00:55:11	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, POS_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
RADAR_166TI_T83IRASAR001_PRIME	M	2012-143T00:55:11	GMB_E166_TITAN_T83-000T00:15:00	000T00:10:00	2012-143T01:05:11	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN.
RADAR_166TI_T83IRASAR002_PRIME	M	2012-143T01:05:11	GMB_E166_TITAN_T83-000T00:05:00	000T00:05:00	2012-143T01:10:11	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN.
BEGIN DUAL PLAYBACK SCIENCE		2012-143T01:05:41	GMB_E166_TITAN_T83-000T00:04:30	000T00:00:01	2012-143T01:05:42			
166TI (T) T83 TITAN OUTBOU...		2012-143T01:10:11		000T00:00:01	2012-143T01:10:12			
RADAR_166TI_T83OUTSAR001_PRIME	M	2012-143T01:10:11	GMB_E166_TITAN_T83+000T00:00:00	000T00:18:00	2012-143T01:28:11	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.

END DUAL PLAYBACK SCIENCE		2012-143T01:27:31	GMB_E166_TITAN_T83+000T00:17:20	000T00:00:01	2012-143T01:27:32			
RADAR_166TI_T83OUTALT001_PRIME	M	2012-143T01:28:11	GMB_E166_TITAN_T83+000T00:18:00	000T00:12:00	2012-143T01:40:11	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NTP.
RADAR_166TI_T83OHISAR001_PRIME	M	2012-143T01:40:11	GMB_E166_TITAN_T83+000T00:30:00	000T00:20:00	2012-143T02:00:11	NEG_Z TO TITAN	NEG_Y TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NTP.
ENGR_166SC_RADRWBIAS143_PPS	M	2012-143T02:00:11	GMB_E166_TITAN_T83+000T00:50:00	000T00:22:00	2012-143T02:22:11	NEG_Z TO TITAN	NEG_Y TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NTP. DEADBAND={2, 2}
RADAR_166TI_T83OUTSCT001_PRIME	M	2012-143T02:22:11	GMB_E166_TITAN_T83+000T01:12:00	000T01:03:00	2012-143T03:25:11	NEG_Z TO TITAN	NEG_Y TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NTP.
RADAR_166TI_T83OUTRAD001_PRIME		2012-143T03:25:11	GMB_E166_TITAN_T83+000T02:15:00	000T03:45:00	2012-143T07:10:11	NEG_Z TO TITAN	NEG_Y TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NTP; HAND OFF AT NEG_Y TO TITAN, XBAND TO EARTH.
VIMS_166TI_GLOBMAP002_PRIME	C, I	2012-143T07:10:11	GMB_E166_TITAN_T83+000T06:00:00	000T03:00:00	2012-143T10:10:11	VIMS_IR TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): ISS. PICK UP AT NEG_Y TO TITAN, XBAND TO EARTH; HAND OFF AT CIRS_FP1 TO TITAN, XBAND TO EARTH. COLLABORATIVE RIDER(S): ISS
CIRS_166TI_FIRNADCMPO01_PRIME	I, V	2012-143T10:10:11	GMB_E166_TITAN_T83+000T09:00:00	000T05:35:49	2012-143T15:46:00	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, XBAND TO EARTH; HAND OFF AT XBAND TO EARTH (0,0,0,0,-9.5 DEG. OFFSET), NEG_Y TO SATURN.
END CUSTOM PERIOD		2012-143T15:06:00	GMB_E166_TITAN_T83+000T13:55:49	000T00:00:01	2012-143T15:06:01			
SP_166NA_DEADTIME143_PRIME		2012-143T15:46:00	GMB_E166_TITAN_T83+000T14:35:49	000T00:15:00	2012-143T16:01:00	XBAND TO EARTH (0,0,0,0,-9.5 DEG. C	NEG_Y TO SATURN	
SP_166EA_M70METNON143_PRIME	C, E, R	2012-143T16:01:00		000T09:00:00	2012-144T01:01:00	XBAND TO EARTH	5_HR_ROLLING	XBAND TO EARTH, NEG_Y TO SATURN (0,0,-9.5); MIMI
POINTER RESET IN PREPARATIO...		2012-144T01:01:00		000T00:00:01	2012-144T01:01:01			
SP_166EA_G70METNON143_PRIME	C, R	2012-144T01:01:00		000T01:00:00	2012-144T02:01:00	XBAND TO EARTH	ROLLING	XBAND TO EARTH, NEG_Y TO SATURN (0,0,-9.5); MIMI
ISS_166TI_M60R3CLD148_PRIME	C, I, M, V	2012-148T08:56:00	E166_M60R3CLD148+000T00:00:00	000T01:30:00	2012-148T10:26:00	ISS_NAC TO TITAN	NEG_Z TO 49.763/77.031	
ISS_167TI_M60R3CLD150_PRIME	C, I, V	2012-150T08:40:00	E167_M60R3CLD150+000T00:00:00	000T01:30:00	2012-150T10:10:00	ISS_NAC TO TITAN	NEG_Z TO 133.247/62.998	
ISS_167TI_M90R3CLD153_PRIME	C, I, V	2012-153T00:55:00	E167_M90R3CLD153+000T00:00:00	000T01:30:00	2012-153T02:25:00	ISS_NAC TO TITAN	NEG_X TO 120.5/74.2	
ISS_167TI_M90R3CLD154_PRIME	C, I, V	2012-154T00:40:00	E167_M90R3CLD154+000T00:00:00	000T01:30:00	2012-154T02:10:00	ISS_NAC TO TITAN	NEG_Z TO 142.077/78.801	
TITAN FLYBY T84 SEGMENT		2012-158T07:29:00		002T23:45:00	2012-161T07:14:00			
SP_167TI_WAYPTTURN158_PRIME		2012-158T07:29:00		000T00:40:00	2012-158T08:09:00	NEG_Y TO TITAN	NEG_X TO 90.0/50.0	
NEW WAYPOINT		2012-158T08:09:00		002T01:45:00	2012-160T09:54:00	NEG_Y TO TITAN	NEG_X TO 90.0/50.0	
SP_167NA_DEADTIME158_PRIME		2012-158T08:09:00		000T00:15:00	2012-158T08:24:00	NEG_Y TO TITAN	NEG_X TO 90.0/50.0	
CIRS_167TI_MIDIRTMAP001_PRIME	I, V	2012-158T08:24:00	GMB_E167_TITAN_T84-000T15:43:21	000T02:43:21	2012-158T11:07:21	CIRS_FPB TO TITAN	PIC	
VIMS_167TI_GLOBMAP001_PRIME	C, I	2012-158T11:07:21	GMB_E167_TITAN_T84-000T13:00:00	000T04:00:00	2012-158T15:07:21	VIMS_IR TO TITAN	NEG_X TO SUN	
CIRS_167TI_MIRLMBINT001_PRIME	I, V	2012-158T15:07:21	GMB_E167_TITAN_T84-000T09:00:00	000T04:00:00	2012-158T19:07:21	CIRS_FPB TO TITAN	PIC	
CIRS_167TI_FIRNADMAP001_PRIME	I, V	2012-158T19:07:21	GMB_E167_TITAN_T84-000T05:00:00	000T02:45:00	2012-158T21:52:21	CIRS_FP1 TO TITAN	PIC	
RADAR_167TI_T84INSCAT001_PRIME	M	2012-158T21:52:21	GMB_E167_TITAN_T84-000T02:15:00	000T01:03:00	2012-158T22:55:21	NEG_Z TO TITAN	NEG_X TO NTP	
RADAR_167TI_T84IHISAR001_PRIME	M	2012-158T22:55:21	GMB_E167_TITAN_T84-000T01:12:00	000T00:41:00	2012-158T23:36:21	NEG_Z TO TITAN	NEG_X TO NTP	
ENGR_167SC_RADRCS159_PRIME	M	2012-158T23:36:21	GMB_E167_TITAN_T84-000T00:31:00	000T00:01:00	2012-158T23:37:21	NEG_X TO TITAN_SC_RAM	POS_Y TO COROT	DEADBAND={,5,2}
RADAR_167TI_T84INALTO01_PRIME	M	2012-158T23:37:21	GMB_E167_TITAN_T84-000T00:30:00	000T00:12:00	2012-158T23:49:21	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	
BEGIN DUAL PLAYBACK SCIENCE		2012-158T23:49:21	GMB_E167_TITAN_T84-000T00:18:00	000T00:00:01	2012-158T23:49:22			
RADAR_167TI_T84INOSAR001_PRIME	M	2012-158T23:49:21	GMB_E167_TITAN_T84-000T00:18:00	000T00:36:00	2012-159T00:25:21	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	
167TI (T) T84 TITAN OUTBOU...		2012-159T00:07:21		000T00:00:01	2012-159T00:07:22			
END DUAL PLAYBACK SCIENCE		2012-159T00:25:21	GMB_E167_TITAN_T84+000T00:18:00	000T00:00:01	2012-159T00:25:22			
RADAR_167TI_T84OUTALT001_PRIME	M	2012-159T00:25:21	GMB_E167_TITAN_T84+000T00:18:00	000T00:12:00	2012-159T00:37:21	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	
RADAR_167TI_T84OHISAR001_PRIME	M	2012-159T00:37:21	GMB_E167_TITAN_T84+000T00:30:00	000T00:20:00	2012-159T00:57:21	NEG_Z TO TITAN	NEG_X TO NTP	
ENGR_167SC_RADRWBIAS159_PPS	M	2012-159T00:57:21	GMB_E167_TITAN_T84+000T00:50:00	000T00:21:41	2012-159T01:19:02	NEG_X TO TITAN_SC_RAM (-1.375,0,0,	POS_Y TO COROT	DEADBAND={2, 2, 2}
RADAR_167TI_T84OUTSCT001_PRIME	M	2012-159T01:19:21	GMB_E167_TITAN_T84+000T01:12:00	000T01:03:00	2012-159T02:22:21	NEG_Z TO TITAN	NEG_X TO NTP	
UVIS_167TI_EUVFUV001_PRIME	C, I, V	2012-159T02:22:21	GMB_E167_TITAN_T84+000T02:15:00	000T06:45:00	2012-159T09:07:21	UVIS_FUV TO TITAN	NEG_X TO 90.0/50.0	
CIRS_167TI_FIRNADCMPO02_PRIME	I, V	2012-159T09:07:21	GMB_E167_TITAN_T84+000T09:00:00	000T05:00:00	2012-159T14:07:21	CIRS_FP1 TO TITAN	PIC	
CIRS_167TI_MIDIRTMAP002_PRIME	I, V	2012-159T14:07:21	GMB_E167_TITAN_T84+000T14:00:00	000T07:11:39	2012-159T21:19:00	CIRS_FPB TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE M2 WITH DWELLS FOR ISS.
SP_167NA_DEADTIME159_PRIME		2012-159T21:19:00	GMB_E167_TITAN_T84+000T21:11:39	000T00:15:00	2012-159T21:34:00	NEG_Y TO TITAN	NEG_X TO 90.0/50.0	
SP_167EA_DLTURN159_PRIME		2012-159T21:34:00		000T00:40:00	2012-159T22:14:00	XBAND TO EARTH	NEG_X TO NEP	
SP_167EA_G70METSEQ159_PRIME	C	2012-159T22:14:00		000T09:00:00	2012-160T07:14:00	XBAND TO EARTH	ROLLING	XBAND TO EARTH, NEG_X TO 293/-4
POINTER RESET IN PREPARATIO...		2012-160T07:14:00		000T00:00:01	2012-160T07:14:01			

SP_167EA_C70METNON160_PRIME	C	2012-160T07:14:00		000T02:00:00	2012-160T09:14:00	XBAND TO EARTH	ROLLING	XBAND TO EARTH, NEG_X TO 293/-4
SP_167TI_WAYPTTURN160_PRIME		2012-160T09:14:00		000T00:40:00	2012-160T09:54:00	NEG_Y TO TITAN	NEG_X TO 90.0/50.0	
NEW WAYPOINT		2012-160T09:54:00		000T10:50:00	2012-160T20:44:00	NEG_Y TO TITAN	NEG_X TO 90.0/50.0	
ISS_167TI_CLOUD001_PRIME	V	2012-160T09:54:00		000T03:00:00	2012-160T12:54:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_167TI_CLOUD002_PRIME	V	2012-160T12:54:00		000T03:10:00	2012-160T16:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_167TI_CLOUD003_PRIME	V	2012-160T16:04:00		000T01:00:00	2012-160T17:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	
RADAR_167TI_RADIOMCAL125_PRIME		2012-160T17:04:00		000T02:00:00	2012-160T19:04:00	NEG_Z TO TITAN	NEG_X TO NTP	
ISS_167TI_CLOUD004_PRIME	V	2012-160T19:04:00		000T01:00:00	2012-160T20:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_167EA_DLTRN160_PRIME		2012-160T20:04:00		000T00:40:00	2012-160T20:44:00	XBAND TO EARTH	NEG_X TO NEP	
NEW WAYPOINT		2012-160T20:44:00		000T11:16:00	2012-161T08:00:00	XBAND TO EARTH	NEG_X TO NEP	
SP_167EA_YGAP160_PRIME		2012-160T20:44:00		000T01:30:00	2012-160T22:14:00	XBAND TO EARTH	NEG_X TO NEP	
SP_167EA_G34BWGSEQ160_PRIME	C	2012-160T22:14:00		000T07:00:00	2012-161T05:14:00	XBAND TO EARTH	ROLLING	XBAND TO EARTH, NEG_X TO 293/-4
SP_167EA_G70METSEQ160_PRIME	C	2012-161T05:14:00		000T02:00:00	2012-161T07:14:00	XBAND TO EARTH	ROLLING	XBAND TO EARTH, NEG_X TO 293/-4
ISS_167TI_M60R3CLD163_PRIME	C, I, V	2012-163T14:09:00	E167_M60R3CLD163+000T00:00:00	000T01:30:00	2012-163T15:39:00	ISS_NAC TO TITAN	NEG_Z TO 125.8/69.3	
ISS_167TI_M90R3CLD167_PRIME	C, I, V	2012-167T13:38:00	E167_M90R3CLD167+000T00:00:00	000T01:30:00	2012-167T15:08:00	ISS_NAC TO TITAN	NEG_Z TO 125.8/69.3	
ISS_168TI_M90R3CLD170_PRIME	C, I, V	2012-170T23:50:00	E168_M90R3CLD170+000T00:00:00	000T01:30:00	2012-171T01:20:00	ISS_NAC TO TITAN	NEG_X TO 126.0/69.3	
ISS_168TI_LRMONITOR001_PIE	C, V	2012-178T21:58:00		000T14:47:00	2012-179T12:45:00	ISS_NAC TO TITAN	NEG_Z TO SUN	COLLABORATIVE RIDER(S): CIRS
ISS_168TI_M30R2CLD181_PRIME	C, V	2012-181T22:57:00	E168_M30R2CLD181+000T00:00:00	000T01:30:00	2012-182T00:27:00	ISS_NAC TO TITAN	NEG_X TO 126.3/69.2	
ISS_168TI_M60R3CLD183_PRIME	C, V	2012-183T18:30:00	E168_M60R3CLD183+000T00:00:00	000T01:30:00	2012-183T20:00:00	ISS_NAC TO TITAN	POS_X TO 146.7/58.3	
ISS_168TI_M60R3CLD184_PRIME	C, V	2012-184T22:36:00	E168_M60R3CLD184+000T00:00:00	000T01:30:00	2012-185T00:06:00	ISS_NAC TO TITAN	POS_X TO 146.7/58.3	
ISS_168TI_M90R3CLD186_PRIME	C, I, V	2012-186T12:21:00	E168_M90R3CLD186+000T00:00:00	000T01:30:00	2012-186T13:51:00	ISS_NAC TO TITAN	POS_X TO 146.7/58.3	
ISS_168TI_M90R3CLD188_PRIME	C, I, M, V	2012-188T12:21:00	E168_M90R3CLD188+000T00:00:00	000T01:30:00	2012-188T13:51:00	ISS_NAC TO TITAN	POS_X TO 146.7/58.3	
ISS_168TI_M90R2CLD192_PRIME	C, M, V	2012-192T12:05:00	E168_M90R2CLD192+000T00:00:00	000T01:30:00	2012-192T13:35:00	ISS_NAC TO TITAN (-0.006,-13.0,0.0 DE	NEG_X TO SUN	
ISS_169TI_M90R3CLD198_PRIME	C, M, V	2012-198T21:49:00	E169_M90R3CLD198+000T00:00:00	000T01:30:00	2012-198T23:19:00	ISS_NAC TO TITAN (0.006,-11.0,0.0 DE	NEG_X TO SUN	
ISS_169TI_M90R3CLD200_PRIME	C, M, V	2012-200T11:34:00	E169_M90R3CLD200+000T00:00:00	000T01:30:00	2012-200T13:04:00	ISS_NAC TO TITAN	NEG_Z TO EARTH	
TITAN FLYBY T85 SEGMENT		2012-205T20:38:00		002T10:00:00	2012-208T06:38:00			
SP_169TI_WAYPTTURN205_PRIME		2012-205T20:38:00		000T00:40:00	2012-205T21:18:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2012-205T21:18:00		001T21:20:00	2012-207T18:38:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_169TI_DEADTIME205_PRIME		2012-205T21:18:00		000T00:14:59	2012-205T21:32:59	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_169TI_MIDIRTMAP001_PRIME	I, V	2012-205T21:32:59	GMB_E169_TITAN_T85-000T22:30:08	000T09:30:08	2012-206T07:03:07	CIRS_FP1 TO TITAN	PIC	TEMPLATE M4: CIRS-ISS
CIRS_169TI_FIRNADCMP001_PRIME	I, V	2012-206T07:03:07	GMB_E169_TITAN_T85-000T13:00:00	000T04:00:00	2012-206T11:03:07	CIRS_FP1 TO TITAN	PIC	
VIMS_169TI_MEDRES001_PRIME	C, I	2012-206T11:03:07	GMB_E169_TITAN_T85-000T09:00:00	000T04:00:00	2012-206T15:03:07	VIMS_IR TO TITAN	NEG_X TO SUN	
VIMS_169TI_REGMAP001_PRIME	C, I	2012-206T15:03:07	GMB_E169_TITAN_T85-000T05:00:00	000T02:30:00	2012-206T17:33:07	VIMS_IR TO TITAN	NEG_X TO NTP	
BEGIN CUSTOM PERIOD		2012-206T17:33:07	GMB_E169_TITAN_T85-000T02:30:00	000T00:00:01	2012-206T17:33:08			
CIRS_169TI_FIRLMBINT001_PRIME	I, M, V	2012-206T17:33:07	GMB_E169_TITAN_T85-000T02:30:00	000T01:15:00	2012-206T18:48:07	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO NORTH_POLE_DIR; HAND OFF AT CIRS_FP1 TO TITAN, PIC. POINT VIMS_IR TO 87N, 121W BETWEEN 18:17:46 AND 18:21:46 (FOR SPECULAR REFLECTION).
CIRS_169TI_FIRLMBEAER001_PRIME	I, M, V	2012-206T18:48:07	GMB_E169_TITAN_T85-000T01:15:00	000T00:30:00	2012-206T19:18:07	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
ENGR_169SC_ORSRCS206_PRIME	M	2012-206T19:18:07	GMB_E169_TITAN_T85-000T00:45:00	000T00:01:00	2012-206T19:19:07	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC. DEADBAND =(0.5,2,0.5)
CIRS_169TI_FIRLMBT001_PRIME	I, M, V	2012-206T19:19:07	GMB_E169_TITAN_T85-000T00:44:00	000T00:34:00	2012-206T19:53:07	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN (-20.5,0.0,-16.0 DEG. OFFSET), POS_Z TO TITAN_SC_RAM. HANDOFF TO VIMS AT NEG_Y TO TITAN (-20.5, 0, -16.0) DEGREES OFFSET, POS_Z TO TITAN SC_RAM
BEGIN DUAL PLAYBACK SCIENCE		2012-206T19:53:07	GMB_E169_TITAN_T85-000T00:10:00	000T00:00:01	2012-206T19:53:08			

VIMS_169TI_HIRES001_PRIME	C, I, M	2012-206T19:53:07	GMB_E169_TITAN_T85-000T00:10:00	000T00:55:00	2012-206T20:48:07	VIMS_IR TO TITAN (0.0,2.0,0.0 DEG. OI POS_Z TO TITAN_SC_RAM	PICK UP AT NEG_Y TO TITAN (-20.5,0.0,-16.0 DEG. OFFSET), POS_Z TO TITAN_SC_RAM; HAND OFF AT NEG_Y TO 210.507/15.095, POS_Z TO 24.272/-29.01.
169TI (T) T85 TITAN OUTBOU...		2012-206T20:03:07		000T00:00:01	2012-206T20:03:08		
ENGR_169SC_DFPWBIA5206_PPS	C, M, V	2012-206T20:48:07	GMB_E169_TITAN_T85+000T00:45:00	000T00:21:05	2012-206T21:09:12	NEG_Y TO 210.507/15.095	POS_Z TO 24.272/-29.01 PICK UP AT NEG_Y TO 210.507/15.095, POS_Z TO 24.272/-29.01; HAND OFF AT NEG_Y TO 210.507/15.095, POS_Z TO 24.272/-29.01. DEADBAND=(2,2,2)
END DUAL PLAYBACK SCIENCE		2012-206T20:56:07	GMB_E169_TITAN_T85+000T00:53:00	000T00:00:01	2012-206T20:56:08		
VIMS_169TI_HIRES002_PRIME	C, I, M	2012-206T21:10:07	GMB_E169_TITAN_T85+000T01:07:00	000T01:08:00	2012-206T22:18:07	VIMS_IR TO TITAN	POS_Z TO TITAN_SC_RAM PICK UP AT NEG_Y TO 210.507/15.095, POS_Z TO 24.272/-29.01; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NTP.
END CUSTOM PERIOD		2012-206T22:18:07	GMB_E169_TITAN_T85+000T02:15:00	000T00:00:01	2012-206T22:18:08		
CIRS_169TI_FIRNADMAP002_PRIME	I, V	2012-206T22:18:07	GMB_E169_TITAN_T85+000T02:15:00	000T02:45:00	2012-207T01:03:07	CIRS_FP1 TO TITAN	PIC
CIRS_169TI_MIRLMBMAP002_PRIME	I, V	2012-207T01:03:07	GMB_E169_TITAN_T85+000T05:00:00	000T04:00:00	2012-207T05:03:07	CIRS_FPB TO TITAN	PIC
VIMS_169TI_GLOBMAP001_PRIME	C, I	2012-207T05:03:07	GMB_E169_TITAN_T85+000T09:00:00	000T05:00:00	2012-207T10:03:07	VIMS_IR TO TITAN	NEG_X TO SUN COLLABORATIVE RIDER(S): ISS
VIMS_169TI_GLOBMAP002_PRIME	C, I	2012-207T10:03:07	GMB_E169_TITAN_T85+000T14:00:00	000T07:39:52	2012-207T17:42:59	VIMS_IR TO TITAN	NEG_X TO 29.035/61.807 COLLABORATIVE RIDER(S): ISS
SP_169TI_DEADTIME207_PRIME		2012-207T17:42:59	GMB_E169_TITAN_T85+000T21:39:52	000T00:15:00	2012-207T17:57:59	NEG_Y TO TITAN	NEG_X TO NTP
SP_169EA_DLTURN207_PRIME		2012-207T17:58:00		000T00:40:00	2012-207T18:38:00	XBAND TO EARTH (0.0,0.0,-25.0 DEG. I NEG_Y TO SATURN	
NEW WAYPOINT		2012-207T18:38:00		000T12:15:00	2012-208T06:53:00	XBAND TO EARTH (0.0,0.0,-25.0 DEG. NEG_Y TO SATURN	
SP_169EA_G70METNON207_PRIME	C	2012-207T18:38:00		000T10:00:00	2012-208T04:38:00	XBAND TO EARTH (0.0,0.0,-25.0 DEG. I ROLLING	MIMI. NEG_Y TO SATURN (0,0,-25). CIRS HEATING
POINTER RESET IN PREPARATIO...		2012-208T04:38:00		000T00:00:01	2012-208T04:38:01		
SP_169EA_C70METNON208_PRIME	C	2012-208T04:38:00		000T02:00:00	2012-208T06:38:00	XBAND TO EARTH (0.0,0.0,-25.0 DEG. I ROLLING	MIMI. NEG_Y TO SATURN (0,0,-25). CIRS HEATING
ISS_169TI_M90R3CLD215_PRIME	C, I, V	2012-215T10:32:00	E169_M90R3CLD215+000T00:00:00	000T01:30:00	2012-215T12:02:00	ISS_NAC TO TITAN (0.017,-25.0,-0.006 NEG_Z TO 132.2/58.6	
RADAR_170TI_RADIOCAL036_PRIME	M	2012-223T20:51:00		000T02:00:00	2012-223T22:51:00	NEG_Z TO TITAN	POS_X TO NTP
ISS_170TI_M60R3CLD232_PRIME	C, I, V	2012-232T03:15:00	E170_M60R3CLD232+000T00:00:00	000T01:30:00	2012-232T04:45:00	ISS_NAC TO TITAN	NEG_Z TO 132.2/58.6
ISS_170TI_M90R3CLD234_PRIME	C, I, M, V	2012-234T03:15:00	E170_M90R3CLD234+000T00:00:00	000T01:30:00	2012-234T04:45:00	ISS_NAC TO TITAN	NEG_Z TO 132.2/58.6
ISS_171TI_M120R2HZ241_PRIME	C, V	2012-241T18:59:00	E171_M120R2HZ241+000T00:00:00	000T01:30:00	2012-241T20:29:00	ISS_NAC TO TITAN	NEG_Z TO 132.1/58.6
ISS_171TI_M90R1CLD244_PRIME	V	2012-244T02:29:00	E171_M90R1CLD244+000T00:00:00	000T02:00:00	2012-244T04:29:00	ISS_NAC TO TITAN	NEG_Z TO 132.1/58.6
ISS_171TI_M60R2CLD248_PRIME	C, I, M, V	2012-248T22:30:00	E171_M60R2CLD248+000T00:00:00	000T01:30:00	2012-249T00:00:00	ISS_NAC TO TITAN	NEG_Z TO 132.1/58.6
ISS_171TI_M90R3CLD251_PRIME	C, I, V	2012-251T08:13:00	E171_M90R3CLD251+000T00:00:00	000T01:30:00	2012-251T09:43:00	ISS_NAC TO TITAN (0.0,-9.0,0.0 DEG. C NEG_Z TO 168.476/62.75	
ISS_171TI_M120R2HZ254_PRIME	C, V	2012-254T07:18:00	E171_M120R2HZ254+000T00:00:00	000T01:30:00	2012-254T08:48:00	ISS_NAC TO TITAN	XBAND TO EARTH
ISS_171TI_M90R2CLD255_PRIME	C, M, V	2012-255T01:17:00	E171_M90R2CLD255+000T00:00:00	000T01:30:00	2012-255T02:47:00	ISS_NAC TO TITAN	XBAND TO EARTH
ISS_171TI_M90R2CLD256_PRIME	C, M, V	2012-256T01:02:00	E171_M90R2CLD256+000T00:00:00	000T01:30:00	2012-256T02:32:00	ISS_NAC TO TITAN	XBAND TO EARTH
ISS_171TI_M90R2CLD257_PRIME	C, V	2012-257T01:02:00	E171_M90R2CLD257+000T00:00:00	000T01:30:00	2012-257T02:32:00	ISS_NAC TO TITAN	XBAND TO EARTH
ISS_172TI_M90R3CLD264_PRIME	C, I, V	2012-264T04:22:00	E172_M90R3CLD264+000T00:00:00	000T01:30:00	2012-264T05:52:00	ISS_NAC TO TITAN (0.0,7.0,0.0 DEG. OI NEG_Z TO 121.314/66.564	
TITAN FLYBY T86 SEGMENT		2012-270T00:16:00		003T06:00:00	2012-273T06:16:00		
SP_172TI_WAYPTTURN270_PRIME		2012-270T00:16:00		000T00:40:00	2012-270T00:56:00	NEG_Y TO TITAN	NEG_X TO 115.0/-2.0
NEW WAYPOINT		2012-270T00:56:00		001T19:20:00	2012-271T20:16:00	NEG_Y TO TITAN	NEG_X TO 115.0/-2.0
SP_172NA_DEADTIME270_PRIME		2012-270T00:56:00		000T00:14:59	2012-270T01:10:59	NEG_Y TO TITAN	NEG_X TO 115.0/-2.0
CIRS_172TI_FIRNADCMP001_PRIME	I, V	2012-270T01:10:59	GMB_E172_TITAN_T86-000T13:24:39	000T04:24:39	2012-270T05:35:38	CIRS_FP1 TO TITAN	PIC COLLABORATIVE RIDER(S): VIMS
UVIS_172TI_EUVFUV001_PRIME	C, I, V	2012-270T05:35:38	GMB_E172_TITAN_T86-000T09:00:00	000T06:45:00	2012-270T12:20:38	UVIS_FUV TO TITAN	NEG_X TO 115.0/-2.0 COLLABORATIVE RIDER(S): VIMS
BEGIN CUSTOM PERIOD		2012-270T12:20:38	GMB_E172_TITAN_T86-000T02:15:00	000T00:00:01	2012-270T12:20:39		
CIRS_172TI_FIRLMBINT001_PRIME	I, M, V	2012-270T12:20:38	GMB_E172_TITAN_T86-000T02:15:00	000T01:00:00	2012-270T13:20:38	CIRS_FP1 TO TITAN (-0.071,13.002,0.0 PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO 115.0/-2.0; HAND OFF AT CIRS_FP1 TO TITAN (-0.071,13.002,0.0 DEG. OFFSET), PIC.

CIRS_172TI_FIRLMBAR001_PRIME	I, M, V	2012-270T13:20:38	GMB_E172_TITAN_T86-000T01:15:00	000T00:25:00	2012-270T13:45:38	CIRS_FP1 TO TITAN (-0.071,13.002,0.0 DEG. OFFSET), PIC		PICK UP AT CIRS_FP1 TO TITAN (-0.071,13.002,0.0 DEG. OFFSET), PIC; HAND OFF AT CIRS_FP1 TO TITAN (-0.071,13.002,0.0 DEG. OFFSET), PIC.
ENGR_172SC_RADRCS270_PRIME	M	2012-270T13:45:38	GMB_E172_TITAN_T86-000T00:50:00	000T00:01:00	2012-270T13:46:38	CIRS_FP1 TO TITAN (-0.071,13.002,0.0 DEG. OFFSET), PIC		PICK UP AT CIRS_FP1 TO TITAN (-0.071,13.002,0.0 DEG. OFFSET), PIC; HAND OFF AT CIRS_FP1 TO TITAN (-0.071,13.002,0.0 DEG. OFFSET), PIC. DEADBAND=(0.5,0.5,0.5)
CIRS_172TI_FIRLMBT001_PRIME	I, M, V	2012-270T13:46:38	GMB_E172_TITAN_T86-000T00:49:00	000T00:31:00	2012-270T14:17:38	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN (-0.071,13.002,0.0 DEG. OFFSET), PIC; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM. HANDOFF AT NEG_Z TO TITAN LAT/LON 77N/240W, NEG_X TO TITAN_SC_RAM
RADAR_172TI_T86RASAR001_PRIME	M	2012-270T14:17:38	GMB_E172_TITAN_T86-000T00:18:00	000T00:13:00	2012-270T14:30:38	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN. CUSTOM PICKUP IS ACTUALLY -Z TO 77N/240W (NOT TITAN_CENTER), -X TO SC_RAM.
BEGIN DUAL PLAYBACK SCIENCE		2012-270T14:30:38	GMB_E172_TITAN_T86-000T00:05:00	000T00:00:01	2012-270T14:30:39			
RADAR_172TI_T86RASAR002_PRIME	M	2012-270T14:30:38	GMB_E172_TITAN_T86-000T00:05:00	000T00:10:00	2012-270T14:40:38	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN.
172TI (T) T86 TITAN OUTBOU...		2012-270T14:35:38		000T00:00:01	2012-270T14:35:39			
END DUAL PLAYBACK SCIENCE		2012-270T14:40:38	GMB_E172_TITAN_T86+000T00:05:00	000T00:00:01	2012-270T14:40:39			
RADAR_172TI_T86RASAR003_PRIME	M	2012-270T14:40:38	GMB_E172_TITAN_T86+000T00:05:00	000T00:13:00	2012-270T14:53:38	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN.
RADAR_172TI_T86OUTALT001_PRIME	M	2012-270T14:53:38	GMB_E172_TITAN_T86+000T00:18:00	000T00:17:00	2012-270T15:10:38	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT CIRS_FP1 TO TITAN, POS_Z TO NTP.
CIRS_172TI_FIRLMBAR002_PRIME	I, M, V	2012-270T15:10:38	GMB_E172_TITAN_T86+000T00:35:00	000T00:40:00	2012-270T15:50:38	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, POS_Z TO NTP; HAND OFF AT CIRS_FP1 TO 201.2/35.4, POS_Z TO 248.0/-44.0. PICKUP AT FP1 TO TITAN, POS_Z TO NTP. HANDOFF AT FP1 TO 201.2/35.4, POS_Z TO 248.0/-44.0.
ENGR_172SC_DFPWBAS270_PPS	M, V	2012-270T15:50:38	GMB_E172_TITAN_T86+000T01:15:00	000T00:21:05	2012-270T16:11:43	CIRS_FP1 TO 201.2/35.4	POS_Z TO 248.0/-44.0	PICK UP AT CIRS_FP1 TO 201.2/35.4, POS_Z TO 248.0/-44.0; HAND OFF AT CIRS_FP1 TO 201.2/35.4, POS_Z TO 248.0/-44.0. DEADBAND=(2,2,20)
CIRS_172TI_FIRLMBINT002_PRIME	I, M, V	2012-270T16:12:38	GMB_E172_TITAN_T86+000T01:37:00	000T00:38:00	2012-270T16:50:38	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO 201.2/35.4, POS_Z TO 248.0/-44.0; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 115.0/-2.0. PICKUP AT CIRS_FP1 TO 201.2/35.4, POS_Z TO 248.0/-44.0. HANDOFF AT NEG_Y TO TITAN, NEG_X TO 115.0/-2.0.
END CUSTOM PERIOD		2012-270T16:50:38	GMB_E172_TITAN_T86+000T02:15:00	000T00:00:01	2012-270T16:50:39			
UVIS_172TI_EUVFUV002_PRIME	C, I, V	2012-270T16:50:38	GMB_E172_TITAN_T86+000T02:15:00	000T06:45:00	2012-270T23:35:38	UVIS_FUV TO TITAN	NEG_X TO 115.0/-2.0	
CIRS_172TI_FIRNADCMPO02_PRIME	I, V	2012-270T23:35:38	GMB_E172_TITAN_T86+000T09:00:00	000T05:00:00	2012-271T04:35:38	CIRS_FP1 TO TITAN	PIC	
CIRS_172TI_MIDIRTMAP002_PRIME	I, V	2012-271T04:35:38	GMB_E172_TITAN_T86+000T14:00:00	000T14:45:21	2012-271T19:20:59	CIRS_FPB TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS
SP_172NA_DEADTIME271_PRIME		2012-271T19:20:59	GMB_E172_TITAN_T86+001T04:45:21	000T00:15:00	2012-271T19:35:59	NEG_Y TO TITAN	NEG_X TO 115.0/-2.0	
SP_172EA_DLTURN271_PRIME		2012-271T19:36:00		000T00:40:00	2012-271T20:16:00	XBAND TO EARTH	NEG_X TO NSP	
NEW WAYPOINT		2012-271T20:16:00		000T14:10:00	2012-272T10:26:00	XBAND TO EARTH	NEG_X TO NSP	
SP_172EA_C70METNON271_PRIME	C	2012-271T20:16:00		000T11:30:00	2012-272T07:46:00	XBAND TO EARTH	ROLLING	NEG_X TO NSP
POINTER RESET IN PREPARATIO...		2012-272T07:46:00		000T00:00:01	2012-272T07:46:01			
SP_172EA_M70METNON272_PRIME	C	2012-272T07:46:00		000T02:00:00	2012-272T09:46:00	XBAND TO EARTH	ROLLING	NEG_X TO NSP
SP_172TI_WAYPTTURN272_PRIME		2012-272T09:46:00		000T00:40:00	2012-272T10:26:00	NEG_Y TO TITAN	NEG_X TO NEP	
NEW WAYPOINT		2012-272T10:26:00		000T09:20:00	2012-272T19:46:00	NEG_Y TO TITAN	NEG_X TO NEP	
ISS_172TI_CLOUD001_PRIME	C, V	2012-272T10:26:00		000T04:00:00	2012-272T14:26:00	ISS_NAC TO TITAN	NEG_X TO NEP	
ISS_172TI_CLOUD002_PRIME	C, V	2012-272T14:26:00		000T03:40:00	2012-272T18:06:00	ISS_NAC TO TITAN	NEG_X TO NEP	
ISS_172TI_CLOUD003_PRIME	C, V	2012-272T18:06:00		000T01:00:00	2012-272T19:06:00	ISS_NAC TO TITAN	NEG_X TO NEP	
SP_172EA_DLTURN272_PRIME	V	2012-272T19:06:00		000T00:40:00	2012-272T19:46:00	XBAND TO EARTH	NEG_Y TO 293.0/25.0	
NEW WAYPOINT		2012-272T19:46:00		000T10:45:00	2012-273T06:31:00	XBAND TO EARTH	NEG_Y TO 293.0/25.0	
SP_172EA_YGAP272_PRIME	V	2012-272T19:46:00		000T01:30:00	2012-272T21:16:00	XBAND TO EARTH	NEG_Y TO 293.0/25.0	
SP_172EA_C70METNON272_PRIME	C	2012-272T21:16:00		000T02:20:00	2012-272T23:36:00	XBAND TO EARTH	ROLLING	NEG_Y TO 293/25
SP_172EA_C34HEFNON272_PRIME	C	2012-272T23:36:00		000T06:40:00	2012-273T06:16:00	XBAND TO EARTH	ROLLING/SRU	MIMI. NEG_Y TO 293/25. SID SUSPEND

ISS_172TI_M60R3CLD276_PRIME	C, I, V	2012-276T16:56:00	E172_M60R3CLD276+000T00:00:00	000T01:30:00	2012-276T18:26:00	ISS_NAC TO TITAN	NEG_Z TO 134.0/51.8
ISS_172TI_M90R3CLD278_PRIME	C, I, V	2012-278T03:46:00	E172_M90R3CLD278+000T00:00:00	000T01:30:00	2012-278T05:16:00	ISS_NAC TO TITAN	NEG_Z TO 134.0/51.8
ISS_173TI_M90R3CLD280_PRIME	C, I, M, V	2012-280T16:41:00	E173_M90R3CLD280+000T00:00:00	000T01:30:00	2012-280T18:11:00	ISS_NAC TO TITAN	POS_X TO 134.0/51.8
ISS_174TI_M120R2HZ305_PRIME	C, M, V	2012-305T14:45:00	E174_M120R2HZ305+000T00:00:00	000T01:30:00	2012-305T16:15:00	ISS_NAC TO TITAN	XBAND TO EARTH
ISS_174TI_M90R3CLD307_PRIME	V	2012-307T14:36:00	E174_M90R3CLD307+000T00:00:00	000T01:30:00	2012-307T16:06:00	ISS_NAC TO TITAN	XBAND TO EARTH
ISS_174TI_M90R3CLD309_PRIME	M, V	2012-309T14:31:00	E174_M90R3CLD309+000T00:00:00	000T01:30:00	2012-309T16:01:00	ISS_NAC TO TITAN	XBAND TO EARTH
TITAN FLYBY T87 SEGMENT		2012-317T14:01:00		002T07:45:00	2012-319T21:46:00		
SP_174TI_WAYPTTURN317_PRIME		2012-317T14:01:00		000T00:40:00	2012-317T14:41:00	NEG_Y TO TITAN	NEG_X TO NTP
NEW WAYPOINT		2012-317T14:41:00		001T00:41:08	2012-318T15:22:08	NEG_Y TO TITAN	NEG_X TO NTP
SP_174NA_DEADTIME317_PRIME		2012-317T14:41:00		000T00:14:59	2012-317T14:55:59	NEG_Y TO TITAN	NEG_X TO NTP
CIRS_174TI_MIDIRTMAP001_PRIME	I, V	2012-317T14:55:59	GMB_E174_TITAN_T87-000T19:26:09	000T06:26:09	2012-317T21:22:08	CIRS_FPB TO TITAN	PIC TEMPLATE M4: CIRS-ISS
VIMS_174TI_GLOBMAP001_PRIME	C, I	2012-317T21:22:08	GMB_E174_TITAN_T87-000T13:00:00	000T04:00:00	2012-318T01:22:08	VIMS_IR TO TITAN	NEG_X TO SUN
VIMS_174TI_MEDRES001_PRIME	C, I	2012-318T01:22:08	GMB_E174_TITAN_T87-000T09:00:00	000T01:55:00	2012-318T03:17:08	VIMS_IR TO TITAN	NEG_X TO SUN
VIMS_174TI_MEDRES002_PRIME	C, I	2012-318T03:17:08	GMB_E174_TITAN_T87-000T07:05:00	000T02:05:00	2012-318T05:22:08	VIMS_IR TO TITAN	NEG_X TO SUN
SP_174EA_DLTURN318_PRIME	C, M	2012-318T05:22:08	GMB_E174_TITAN_T87-000T05:00:00	000T00:40:00	2012-318T06:02:08	XBAND TO EARTH	NEG_X TO TITAN_SC_RAM
SP_174EA_M34BWGNON318_PRIME	C, E, M	2012-318T06:02:08	GMB_E174_TITAN_T87-000T04:20:00	000T06:15:51	2012-318T12:17:59	XBAND TO EARTH	NEG_X TO TITAN_SC_RAM
BEGIN DUAL PLAYBACK SCIENCE		2012-318T09:52:08	GMB_E174_TITAN_T87-000T00:30:00	000T00:00:01	2012-318T09:52:09		
174TI (T) T87 TITAN OUTBOU...		2012-318T10:22:08		000T00:00:01	2012-318T10:22:09		
END DUAL PLAYBACK SCIENCE		2012-318T10:52:08	GMB_E174_TITAN_T87+000T00:30:00	000T00:00:01	2012-318T10:52:09		
SP_174EA_G34BWGNON318_PRIME	C, M	2012-318T12:17:59	GMB_E174_TITAN_T87+000T01:55:51	000T02:34:09	2012-318T14:52:08	XBAND TO EARTH	NEG_X TO TITAN_SC_RAM
SP_174TI_WAYPTTURN318_PRIME	C, M	2012-318T14:52:08	GMB_E174_TITAN_T87+000T04:30:00	000T00:30:00	2012-318T15:22:08	NEG_Y TO TITAN	NEG_X TO NTP
NEW WAYPOINT		2012-318T15:22:08		000T15:08:52	2012-319T06:31:00	NEG_Y TO TITAN	NEG_X TO NTP
VIMS_174TI_MEDRES003_PRIME	I	2012-318T15:22:08	GMB_E174_TITAN_T87+000T05:00:00	000T04:00:00	2012-318T19:22:08	VIMS_IR TO TITAN	NEG_X TO SUN
CIRS_174TI_FIRNADCMPO02_PRIME	I, U, V	2012-318T19:22:08	GMB_E174_TITAN_T87+000T09:00:00	000T05:00:00	2012-319T00:22:08	CIRS_FP1 TO TITAN	PIC
CIRS_174TI_MIDIRTMAP002_PRIME	I, V	2012-319T00:22:08	GMB_E174_TITAN_T87+000T14:00:00	000T05:13:51	2012-319T05:35:59	CIRS_FPB TO TITAN	PIC
SP_174NA_DEADTIME319_PRIME		2012-319T05:35:59	GMB_E174_TITAN_T87+000T19:13:51	000T00:15:00	2012-319T05:50:59	NEG_Y TO TITAN	NEG_X TO NTP
SP_174EA_DLTURN319_PRIME		2012-319T05:51:00		000T00:40:00	2012-319T06:31:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN
NEW WAYPOINT		2012-319T06:31:00		000T15:55:00	2012-319T22:26:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN
SP_174EA_M70METNON319_PRIME	R	2012-319T06:31:00		000T05:42:00	2012-319T12:13:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING MIMI. NEG_Y TO SATURN (0,0,-9.5).
POINTER RESET IN PREPARATIO...		2012-319T12:13:00		000T00:00:01	2012-319T12:13:01		
SP_174EA_G70METNON319_PRIME	C, R	2012-319T12:13:00		000T05:18:00	2012-319T17:31:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING MIMI. NEG_Y TO SATURN (0,0,-9.5).
ISS_175TI_M60R3CLD325_PRIME	C, M, V	2012-325T03:56:00	E175_M60R3CLD325+000T00:00:00	000T01:30:00	2012-325T05:26:00	ISS_NAC TO TITAN	NEG_Z TO 135.6/44.6
ISS_175TI_M60R3CLD725_PRIME	C, V	2012-325T21:41:00	E175_M60R3CLD725+000T00:00:00	000T01:30:00	2012-325T23:11:00	ISS_NAC TO TITAN	NEG_Z TO 135.6/44.6
ISS_175TI_M90R3CLD327_PRIME	C, V	2012-327T03:56:00	E175_M90R3CLD327+000T00:00:00	000T01:30:00	2012-327T05:26:00	ISS_NAC TO TITAN	NEG_Z TO 135.6/44.6
ISS_175TI_M90R3CLD328_PRIME	C, V	2012-328T03:56:00	E175_M90R3CLD328+000T00:00:00	000T01:30:00	2012-328T05:26:00	ISS_NAC TO TITAN	NEG_Z TO 135.6/44.6
TITAN FLYBY T88 SEGMENT		2012-333T20:32:00		003T06:15:00	2012-337T02:47:00		
SP_175TI_WAYPTTURN333_PRIME		2012-333T20:32:00		000T00:40:00	2012-333T21:12:00	NEG_Y TO TITAN	NEG_X TO NEP
NEW WAYPOINT		2012-333T21:12:00		001T14:18:00	2012-335T11:30:00	NEG_Y TO TITAN	NEG_X TO NEP
SP_175NA_DEADTIME333_PRIME		2012-333T21:12:00		000T00:14:59	2012-333T21:26:59	NEG_Y TO TITAN	NEG_X TO NEP
BEGIN CUSTOM PERIOD		2012-333T21:26:59	GMB_E175_TITAN_T88-000T11:30:00	000T00:00:01	2012-333T21:27:00		
CIRS_175TI_FIRNADCMPO01_PRIME	I, U, V	2012-333T21:26:59	GMB_E175_TITAN_T88-000T11:30:00	000T02:30:00	2012-333T23:56:59	CIRS_FP1 TO TITAN	PIC PICK UP AT NEG_Y TO TITAN, NEG_X TO NEP; HAND OFF AT CIRS_FPB TO TITAN, PIC.
CIRS_175TI_MIRLMBMAP001_PRIME	V	2012-333T23:56:59	GMB_E175_TITAN_T88-000T09:00:00	000T04:00:00	2012-334T03:56:59	CIRS_FPB TO TITAN	PIC PICK UP AT CIRS_FPB TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_175TI_FIRNADMAP001_PRIME	I, V	2012-334T03:56:59	GMB_E175_TITAN_T88-000T05:00:00	000T02:45:00	2012-334T06:41:59	CIRS_FP1 TO TITAN	PIC PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_175TI_FIRLMBINT001_PRIME	I, M, V	2012-334T06:41:59	GMB_E175_TITAN_T88-000T02:15:00	000T01:00:00	2012-334T07:41:59	CIRS_FP1 TO TITAN	PIC PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_175TI_FIRLMBAR001_PRIME	I, M, V	2012-334T07:41:59	GMB_E175_TITAN_T88-000T01:15:00	000T00:30:00	2012-334T08:11:59	CIRS_FP1 TO TITAN	PIC PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
ENGR_175SC_ORSRCS335_PRIME	M	2012-334T08:11:59	GMB_E175_TITAN_T88-000T00:45:00	000T00:01:00	2012-334T08:12:59	CIRS_FP1 TO TITAN	PIC PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC. DEADBAND =(0.5,2,0.5)

CIRS_175TI_FIRLMBT001_PRIME	M, V	2012-334T08:12:59	GMB_E175_TITAN_T88-000T00:44:00	000T00:29:00	2012-334T08:41:59	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT VIMS_IR TO TITAN, POS_Z TO SC_RAM. HANDOFF TO VIMS AT VIMS_IR TO TITAN, LAT_SSCLON 89N; POS_Z TO TITAN SC_RAM.
BEGIN DUAL PLAYBACK SCIENCE		2012-334T08:41:59	GMB_E175_TITAN_T88-000T00:15:00	000T00:00:01	2012-334T08:42:00			
VIMS_175TI_HIRES001_PRIME	C, I, M	2012-334T08:41:59	GMB_E175_TITAN_T88-000T00:15:00	000T01:15:00	2012-334T09:56:59	VIMS_IR TO TITAN	POS_Z TO SC_RAM	PICK UP AT VIMS_IR TO TITAN, POS_Z TO TITAN_SC_RAM; HAND OFF AT VIMS_IR TO TITAN, POS_Z TO TITAN_SC_RAM. PRIMARY POINTING TO LAT/LON = 89N/SSC LONG
175TI (T) T88 TITAN OUTBOU...		2012-334T08:56:59		000T00:00:01	2012-334T08:57:00			
END DUAL PLAYBACK SCIENCE		2012-334T09:56:59	GMB_E175_TITAN_T88+000T01:00:00	000T00:00:01	2012-334T09:57:00			
ENGR_175SC_DFPWBAS335_PPS	C, M, V	2012-334T09:56:59	GMB_E175_TITAN_T88+000T01:00:00	000T00:21:05	2012-334T10:18:04	VIMS_IR TO TITAN	POS_Z TO TITAN_SC_RAM	PICK UP AT VIMS_IR TO TITAN, POS_Z TO TITAN_SC_RAM; HAND OFF AT VIMS_IR TO TITAN, POS_Z TO TITAN_SC_RAM.
VIMS_175TI_HIRES002_PRIME	C, I, M	2012-334T10:18:59	GMB_E175_TITAN_T88+000T01:22:00	000T00:53:00	2012-334T11:11:59	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT VIMS_IR TO TITAN, POS_Z TO TITAN_SC_RAM; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
VIMS_175TI_MEDRES001_PRIME	C, I	2012-334T11:11:59	GMB_E175_TITAN_T88+000T02:15:00	000T02:45:00	2012-334T13:56:59	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
VIMS_175TI_GLOBMAP001_PRIME	C, I	2012-334T13:56:59	GMB_E175_TITAN_T88+000T05:00:00	000T04:00:00	2012-334T17:56:59	VIMS_IR TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): ISS. PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NEP. COLLABORATIVE RIDER(S): ISS
END CUSTOM PERIOD		2012-334T17:56:59	GMB_E175_TITAN_T88+000T09:00:00	000T00:00:01	2012-334T17:57:00			
CIRS_175TI_FIRNADCMP002_PRIME	I, U, V	2012-334T17:56:59	GMB_E175_TITAN_T88+000T09:00:00	000T05:00:00	2012-334T22:56:59	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS
CIRS_175TI_MDIRTMAP002_PRIME	I, V	2012-334T22:56:59	GMB_E175_TITAN_T88+000T14:00:00	000T11:43:00	2012-335T10:39:59	CIRS_FPB TO TITAN	PIC	
SP_175NA_DEADTIME335_PRIME		2012-335T10:39:59	GMB_E175_TITAN_T88+001T01:43:00	000T00:10:00	2012-335T10:49:59	NEG_Y TO TITAN	NEG_X TO NEP	
SP_175EA_DLTURN335_PRIME		2012-335T10:50:00		000T00:40:00	2012-335T11:30:00	XBAND TO EARTH	NEG_Y TO 293.0/25.0	
NEW WAYPOINT		2012-335T11:30:00		000T20:12:00	2012-336T07:42:00	XBAND TO EARTH	NEG_Y TO 293.0/25.0	
SP_175EA_G70METNON335_PRIME	C	2012-335T11:30:00		000T09:00:00	2012-335T20:30:00	XBAND TO EARTH	ROLLING	MIMI. NEG_Y TO SATURN (0,0,-9.5).
POINTER RESET IN PREPARATIO...		2012-335T20:30:00		000T00:00:01	2012-335T20:30:01			
SP_175EA_C34HEFNON335_PRIME	C	2012-335T20:30:00		000T05:42:00	2012-336T02:12:00	XBAND TO EARTH	ROLLING	MIMI. NEG_Y TO SATURN (0,0,-9.5).
SP_175EA_M70METNON336_PRIME	C	2012-336T03:50:00		000T03:10:00	2012-336T07:00:00	XBAND TO EARTH	ROLLING	MIMI. NEG_Y TO SATURN (0,0,-9.5).
SP_175TI_WAYPTURN336_PRIME		2012-336T07:00:00		000T00:42:00	2012-336T07:42:00	NEG_Y TO TITAN	NEG_X TO NEP	
NEW WAYPOINT		2012-336T07:42:00		000T08:35:00	2012-336T16:17:00	NEG_Y TO TITAN	NEG_X TO NEP	
ISS_175TI_CLOUD001_PRIME	V	2012-336T07:42:00		000T03:00:00	2012-336T10:42:00	ISS_NAC TO TITAN	NEG_X TO NEP	
ISS_175TI_CLOUD002_PRIME	V	2012-336T10:42:00		000T03:55:00	2012-336T14:37:00	ISS_NAC TO TITAN	NEG_X TO NEP	
ISS_175TI_CLOUD003_PRIME	V	2012-336T14:37:00		000T01:00:00	2012-336T15:37:00	ISS_NAC TO TITAN	NEG_X TO NEP	
SP_175EA_DLTURN336_PRIME		2012-336T15:37:00		000T00:40:00	2012-336T16:17:00	XBAND TO EARTH	NEG_Y TO 293.0/25.0	
NEW WAYPOINT		2012-336T16:17:00		000T11:00:00	2012-337T03:17:00	XBAND TO EARTH	NEG_Y TO 293.0/25.0	
SP_175EA_YGAP336_PRIME		2012-336T16:17:00		000T01:30:00	2012-336T17:47:00	XBAND TO EARTH	NEG_Y TO 293.0/25.0	
SP_175EA_G70METNON336_PRIME	C	2012-336T17:47:00		000T02:25:00	2012-336T20:12:00	XBAND TO EARTH	NEG_Y TO 293.0/25.0	MIMI. NEG_Y TO SATURN (0,0,-9.5).
SP_175EA_C34HEFNON336_PRIME	C	2012-336T20:32:00		000T06:15:00	2012-337T02:47:00	XBAND TO EARTH	ROLLING/SRU	MIMI. NEG_Y TO SATURN (0,0,-9.5). SID SUSPEND
ISS_176TI_M90R2CLD343_PRIME	C, R, V	2012-343T14:17:00	E176_M90R2CLD343+000T00:00:00	000T01:30:00	2012-343T15:47:00	ISS_NAC TO TITAN	NEG_X TO NEP	
ISS_176TI_LRMONITOR001_PIE	C, M, V	2012-350T19:38:00		001T05:40:00	2012-352T01:18:00	ISS_NAC TO TITAN	XBAND TO EARTH	COLLABORATIVE RIDER(S): CIRS. COLLABORATIVE RIDER(S): CIRS
ISS_177TI_M120R1HZ352_PRIME	C, M, V	2012-352T11:48:00	E177_M120R1HZ352+000T00:00:00	000T02:00:00	2012-352T13:48:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_177TI_M60R3CLD361_PRIME	C, I, M, V	2012-360T14:25:00	E177_M60R3CLD361+000T00:00:00	000T01:30:00	2012-360T15:55:00	ISS_NAC TO TITAN	POS_X TO 136.6/38.0	
ISS_177TI_M90R3CLD363_PRIME	V	2012-362T12:00:00	E177_M90R3CLD363+000T00:00:00	000T01:30:00	2012-362T13:30:00	ISS_NAC TO TITAN (0.0,-55.0,0.0 DEG.	POS_X TO 136.6/38.0	
ISS_178TI_M90R1CLD005_PRIME	M, V	2013-005T03:34:00	E178_M90R1CLD005+000T00:00:00	000T02:00:00	2013-005T05:34:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_178TI_M90R3CLD012_PRIME	C, V	2013-012T00:06:00	E178_M90R3CLD012+000T00:00:00	000T01:30:00	2013-012T01:36:00	ISS_NAC TO TITAN	XBAND TO EARTH	NO PREFERENCE TO SECONDARY POINTING
RADAR_179TI_RADIOCAL038_PRIME	M	2013-017T05:07:00		000T02:00:00	2013-017T07:07:00	NEG_Z TO TITAN	POS_X TO NTP	
TITAN FLYBY T89 SEGMENT		2013-047T08:26:00		001T23:45:00	2013-049T08:11:00			
SP_181TI_WAYPTURN047_PRIME		2013-047T08:26:00		000T00:40:00	2013-047T09:06:00	XBAND TO EARTH	POS_X TO NEP	
NEW WAYPOINT		2013-047T09:06:00		001T14:05:00	2013-048T23:11:00	XBAND TO EARTH	POS_X TO NEP	

SP_181TI_DEADTIME047_PRIME		2013-047T09:06:00		000T00:14:59	2013-047T09:20:59	XBAND TO EARTH	POS_X TO NEP	
CIRS_181TI_MIDIRTMAP001_PRIME	I, U, V	2013-047T09:20:59	GMB_E181_TITAN_T89-000T16:35:36	000T02:30:36	2013-047T11:51:35	CIRS_FP1 TO TITAN	PIC	MAKE SURE TO COVER NORTHERN HEMISPHERE (NORTH POLE) SO VIMS CAN OBSERVE LAKES. LIKELY ONLY TIME FOR 1/2 DISK COVERAGE (OR LESS) DEPENDING ON TURN TIMES. CAN
SP_181EA_C34BWGNON047_PRIME	C, R	2013-047T13:56:35	GMB_E181_TITAN_T89-000T12:00:00	000T09:29:24	2013-047T23:25:59	XBAND TO EARTH	POS_X TO NEP	
SP_181EA_M34BWGNON047_PRIME	C, M, R	2013-047T23:25:59	GMB_E181_TITAN_T89-000T02:30:36	000T07:30:36	2013-048T06:56:35	XBAND TO EARTH	POS_X TO NEP	
181TI (T) T89 TITAN OUTBOU...		2013-048T01:56:35		000T00:00:01	2013-048T01:56:36			
SP_181EA_G34BWGNON048_PRIME	C, R	2013-048T06:56:35	GMB_E181_TITAN_T89+000T05:00:00	000T07:00:00	2013-048T13:56:35	XBAND TO EARTH	POS_X TO NEP	
CIRS_181TI_MIDIRTMAP002_PRIME	I, U, V	2013-048T13:56:35	GMB_E181_TITAN_T89+000T12:00:00	000T08:19:24	2013-048T22:15:59	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRS-ISS. TIME (30 MINS) FOR ISS DWELLS AT START AND END.
SP_181TI_DEADTIME048_PRIME		2013-048T22:15:59	GMB_E181_TITAN_T89+000T20:19:24	000T00:15:00	2013-048T22:30:59	XBAND TO EARTH	POS_X TO NEP	
SP_181SA_DLTURN048_PRIME		2013-048T22:31:00		000T00:40:00	2013-048T23:11:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O NEG_Y TO SATURN		
NEW WAYPOINT		2013-048T23:11:00		000T10:35:00	2013-049T09:46:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C NEG_Y TO SATURN		
SP_181EA_M70METNON048_PRIME	C, R	2013-048T23:11:00		000T07:45:00	2013-049T06:56:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O NEG_Y TO SATURN		MIMI. NEG_Y TO SATURN (0,0,-9.5). CIRS HEATING
SP_181EA_M34BWGNON049_PRIME	C, R	2013-049T06:56:00		000T01:15:00	2013-049T08:11:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O NEG_Y TO SATURN		MIMI. NEG_Y TO SATURN (0,0,-9.5). CIRS HEATING
CIRS_181TI_TEA001_PRIME	I, M, V	2013-049T09:46:00		001T01:41:00	2013-050T11:27:00	CIRS_FP1 TO TITAN	NEG_X TO 76.3/8.7	COLLABORATIVE RIDER(S): ISS. 2X2 MOSAIC AT BEGINNING AND MIDDLE FOR ISS
CIRS_181TI_TEA002_PRIME	I, M, V	2013-050T21:57:00		000T23:30:00	2013-051T21:27:00	CIRS_FP1 TO TITAN	POS_Z TO NTP	COLLABORATIVE RIDER(S): ISS
CIRS_182TI_TEA001_PRIME	V	2013-052T07:57:00		000T21:00:00	2013-053T04:57:00	CIRS_FP1 TO TITAN	NEG_X TO 104.1/9.8	FP1 TO TITAN FOR LONG INTEGRATION
SP_182TI_WAYPTTURN053_PRIME		2013-053T15:27:00		000T00:25:00	2013-053T15:52:00	ISS_NAC TO TITAN	NEG_X TO NTP	
CIRS_182TI_TEA002_PRIME	I, V	2013-053T15:52:00		000T11:10:00	2013-054T03:02:00	CIRS_FP1 TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS
ISS_183TI_M30R3CLD072_PRIME	C, V	2013-072T18:20:00	E183_M30R3CLD072+000T00:00:00	000T01:30:00	2013-072T19:50:00	ISS_NAC TO TITAN	POS_X TO 136.8/33.9	
ISS_183TI_M60R3CLD073_PRIME	C, V	2013-073T18:10:00	E183_M60R3CLD073+000T00:00:00	000T01:30:00	2013-073T19:40:00	ISS_NAC TO TITAN	POS_X TO 136.8/33.9	
ISS_184TI_M150R2HZ078_PRIME	C, V	2013-078T14:10:00	E184_M150R2HZ078+000T00:00:00	000T01:30:00	2013-078T15:40:00	ISS_NAC TO TITAN	NEG_Z TO 136.8/33.9	
ISS_184TI_M60R3CLD087_PRIME	C, M	2013-087T00:40:00	E185_M60R3CLD087+000T00:00:00	000T01:30:00	2013-087T02:10:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_185TI_M90R3CLD089_PRIME	C, M, V	2013-089T13:21:00	E185_M90R3CLD089+000T00:00:00	000T01:30:00	2013-089T14:51:00	ISS_NAC TO TITAN (0.05,-90.0,-0.017 I	POS_X TO 136.8/33.9	
TITAN FLYBY T90 SEGMENT		2013-095T05:01:00		002T02:00:00	2013-097T07:01:00			
SP_185TI_WAYPTTURN095_PRIME		2013-095T05:01:00		000T00:40:00	2013-095T05:41:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2013-095T05:41:00		001T12:50:00	2013-096T18:31:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_185NA_DEADTIME095_PRIME		2013-095T05:41:00		000T00:14:59	2013-095T05:55:59	NEG_Y TO TITAN	NEG_X TO NTP	
BEGIN CUSTOM PERIOD		2013-095T05:55:59	GMB_E185_TITAN_T90-000T15:47:32	000T00:00:01	2013-095T05:56:00			
CIRS_185TI_MIDIRTMAP001_PRIME	I, V	2013-095T05:55:59	GMB_E185_TITAN_T90-000T15:47:32	000T02:47:32	2013-095T08:43:31	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Y TO TITAN, PIC. TEMPLATE M4?
CIRS_185TI_FIRNADCMP001_PRIME	I, U, V	2013-095T08:43:31	GMB_E185_TITAN_T90-000T13:00:00	000T04:00:00	2013-095T12:43:31	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, PIC.
CIRS_185TI_MIRLMBINT001_PRIME	I, V	2013-095T12:43:31	GMB_E185_TITAN_T90-000T09:00:00	000T04:00:00	2013-095T16:43:31	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, PIC.
CIRS_185TI_FIRNADMAP001_PRIME	I, V	2013-095T16:43:31	GMB_E185_TITAN_T90-000T05:00:00	000T02:45:00	2013-095T19:28:31	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_185TI_FIRLMBINT001_PRIME	I, M, V	2013-095T19:28:31	GMB_E185_TITAN_T90-000T02:15:00	000T01:00:00	2013-095T20:28:31	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_185TI_FIRLMBAR001_PRIME	M, V	2013-095T20:28:31	GMB_E185_TITAN_T90-000T01:15:00	000T00:30:00	2013-095T20:58:31	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_185TI_FIRLMBT001_PRIME	I, M, V	2013-095T20:58:31	GMB_E185_TITAN_T90-000T00:45:00	000T00:30:00	2013-095T21:28:31	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT VIMS_IR TO TITAN, POS_Z TO TITAN_SC_RAM. HANDOFF TO VIMS AT VIMS_IR TO TITAN, 20.1N, 87.2W; POS_Z TO TITAN_SC_RAM.
BEGIN DUAL PLAYBACK SCIENCE		2013-095T21:28:31	GMB_E185_TITAN_T90-000T00:15:00	000T00:00:01	2013-095T21:28:32			

ISS_197TI_LRMONITOR002_PIE	C, M, V	2013-249T08:33:00		000T13:15:00	2013-249T21:48:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRS. COLLABORATIVE RIDER(S): CIRS
TITAN FLYBY T94 SEGMENT		2013-254T08:03:00		003T00:00:00	2013-257T08:03:00			
SP_197TI_WAYPTTURN254_PRIME		2013-254T08:03:00		000T00:40:00	2013-254T08:43:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2013-254T08:43:00		001T11:35:00	2013-255T20:18:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_197NA_DEADTIME254_PRIME		2013-254T08:43:00		000T00:14:59	2013-254T08:57:59	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_197TI_MDIRTMAP001_PRIME	I, V	2013-254T08:57:59	GMB_E197_TITAN_T94-000T22:45:57	000T08:45:57	2013-254T17:43:56	CIRS_FPB TO TITAN	NEG_X TO NTP	
CIRS_197TI_FIRNADCMP001_PRIME	I, U, V	2013-254T17:43:56	GMB_E197_TITAN_T94-000T14:00:00	000T05:00:00	2013-254T22:43:56	CIRS_FP1 TO TITAN	NEG_X TO NTP	
BEGIN CUSTOM PERIOD		2013-254T22:43:56	GMB_E197_TITAN_T94-000T09:00:00	000T00:00:01	2013-254T22:43:57			
ISS_197TI_GLOBMAP001_PRIME	C, U, V	2013-254T22:43:56	GMB_E197_TITAN_T94-000T09:00:00	000T04:00:00	2013-255T02:43:56	ISS_NAC TO TITAN	NEG_Z TO TITAN_SC_RAM	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT ISS_NAC TO TITAN, NEG_Z TO TITAN_SC_RAM.
ISS_197TI_REGMAP001_PRIME	C, U, V	2013-255T02:43:56	GMB_E197_TITAN_T94-000T05:00:00	000T02:45:00	2013-255T05:28:56	ISS_NAC TO TITAN	NEG_Z TO TITAN_SC_RAM	PICK UP AT ISS_NAC TO TITAN, NEG_Z TO TITAN_SC_RAM; HAND OFF AT ISS_NAC TO TITAN, NEG_Z TO TITAN_SC_RAM.
ISS_197TI_HIRES001_PRIME	C, M, U, V	2013-255T05:28:56	GMB_E197_TITAN_T94-000T02:15:00	000T01:15:00	2013-255T06:43:56	ISS_NAC TO TITAN	NEG_Z TO TITAN_SC_RAM	PICK UP AT ISS_NAC TO TITAN, NEG_Z TO TITAN_SC_RAM; HAND OFF AT VIMS_IR TO TITAN, NEG_Z TO TITAN_SC_RAM.
VIMS_197TI_HIRES001_PRIME	C, I, M, U	2013-255T06:43:56	GMB_E197_TITAN_T94-000T01:00:00	000T00:30:00	2013-255T07:13:56	VIMS_IR TO TITAN	NEG_Z TO SC_RAM	PICK UP AT VIMS_IR TO TITAN, NEG_Z TO TITAN_SC_RAM; HAND OFF AT NEG_Y TO TITAN, NEG_Z TO TITAN_SC_RAM.
VIMS_197TI_HIRES002_PRIME	C, I, M, U	2013-255T07:13:56	GMB_E197_TITAN_T94-000T00:30:00	000T01:10:00	2013-255T08:23:56	VIMS_IR TO TITAN	NEG_Z TO TITAN_SC_RAM	PICK UP AT NEG_Y TO TITAN, NEG_Z TO TITAN_SC_RAM; HAND OFF AT CIRS_FP1 TO TITAN, PIC. FOR HANDOFF, PRIMARY CIRS_FP1 TO TITAN, LAT_VIEW, 19N, 90 DEG VIEW ANGLE, LHS, ALTITUDE -120 KM. SECONDARY, POS_Z TO TITAN FOV_LIMB, 19N, LHS.
BEGIN DUAL PLAYBACK SCIENCE		2013-255T07:14:56	GMB_E197_TITAN_T94-000T00:29:00	000T00:00:01	2013-255T07:14:57			
197TI (T) T94 TITAN OUTBOU...		2013-255T07:43:56		000T00:00:01	2013-255T07:43:57			
END DUAL PLAYBACK SCIENCE		2013-255T08:23:56	GMB_E197_TITAN_T94+000T00:40:00	000T00:00:01	2013-255T08:23:57			
CIRS_197TI_FIRLMBAR002_PRIME	M, U, V	2013-255T08:23:56	GMB_E197_TITAN_T94+000T00:40:00	000T00:35:00	2013-255T08:58:56	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC. PICKUP AT CIRS_FP1 TO TITAN LAT_VIEW, 19N, 90 DEGREES, LHS, -120 KM ALTITUDE; POS_Z TO TITAN FOV_LIMB, 19N, LHS.
CIRS_197TI_FIRLMBINT002_PRIME	I, M, U, V	2013-255T08:58:56	GMB_E197_TITAN_T94+000T01:15:00	000T01:00:00	2013-255T09:58:56	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NORTH_POLE_DIR.
END CUSTOM PERIOD		2013-255T09:58:56	GMB_E197_TITAN_T94+000T02:15:00	000T00:00:01	2013-255T09:58:57			
UVIS_197TI_EUVFUV002_PRIME	C, I, V	2013-255T09:58:56	GMB_E197_TITAN_T94+000T02:15:00	000T06:45:00	2013-255T16:43:56	UVIS_FUV TO TITAN	NEG_X TO NTP	
VIMS_197TI_GLOBMAP002_PRIME	C, I	2013-255T16:43:56	GMB_E197_TITAN_T94+000T09:00:00	000T02:39:03	2013-255T19:22:59	VIMS_IR TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS
SP_197NA_DEADTIME255_PRIME		2013-255T19:22:59	GMB_E197_TITAN_T94+000T11:39:03	000T00:15:00	2013-255T19:37:59	NEG_Y TO TITAN	NEG_X TO NTP	
SP_197EA_DLTURN255_PRIME		2013-255T19:38:00		000T00:40:00	2013-255T20:18:00	XBAND TO EARTH	NEG_Y TO 298.0/36.0	
NEW WAYPOINT		2013-255T20:18:00		000T16:25:00	2013-256T12:43:00	XBAND TO EARTH	NEG_Y TO 298.0/36.0	
ENGR_197SC_KPTYBIAS255_PRIME		2013-255T20:18:00		000T01:30:00	2013-255T21:48:00	NEG_Z TO DELTA_H (0,0,0,-39.0 DEG	NEG_X TO SUN	
SP_197EA_C70METNON255_PRIME	C	2013-255T21:48:00		000T07:25:00	2013-256T05:13:00	XBAND TO EARTH	ROLLING	MIMI. NEG_Y TO SATURN (0,0,-15).
POINTER RESET IN PREPARATIO...		2013-256T05:13:00		000T00:00:01	2013-256T05:13:01			
SP_197EA_M70METNON256_PRIME	C	2013-256T09:03:00		000T03:00:00	2013-256T12:03:00	XBAND TO EARTH	ROLLING/SRU	MIMI. NEG_Y TO SATURN (0,0,-15). SID SUSPEND
SP_197TI_WAYPTTURN256_PRIME		2013-256T12:03:00		000T00:40:00	2013-256T12:43:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2013-256T12:43:00		000T08:50:00	2013-256T21:33:00	NEG_Y TO TITAN	NEG_X TO NTP	
ISS_197TI_CLOUD001_PRIME	C, V	2013-256T12:43:00		000T04:00:00	2013-256T16:43:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_197TI_CLOUD002_PRIME	C, V	2013-256T16:43:00		000T03:10:00	2013-256T19:53:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_197TI_CLOUD003_PRIME	C, V	2013-256T19:53:00		000T01:00:00	2013-256T20:53:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_197EA_DLTURN256_PRIME		2013-256T20:53:00		000T00:40:00	2013-256T21:33:00	XBAND TO EARTH	NEG_Y TO 298.0/36.0	
NEW WAYPOINT		2013-256T21:33:00		000T11:10:00	2013-257T08:43:00	XBAND TO EARTH	NEG_Y TO 298.0/36.0	
SP_197EA_YGAP256_PRIME		2013-256T21:33:00		000T01:30:00	2013-256T23:03:00	XBAND TO EARTH	NEG_Y TO 298.0/36.0	
SP_197EA_C70METNON256_PRIME	C	2013-256T23:48:00		000T08:15:00	2013-257T08:03:00	XBAND TO EARTH	ROLLING/SRU	MIMI. NEG_Y TO SATURN (0,0,-15). XBAND TO EARTH, NEG_Y TO 298/36
ISS_197TI_M120R2HZ259_PRIME	C, V	2013-259T07:47:00	E197_M120R2HZ259+000T00:00:00	000T01:30:00	2013-259T09:17:00	ISS_NAC TO TITAN	XBAND TO EARTH	NO PREFERENCE TO SECONDARY POINTING

SP_198EA_G70METSEQ289_PRIME	C	2013-289T15:00:00		000T09:00:00	2013-290T00:00:00	XBAND TO EARTH (0,0,0.0,-9.5 DEG. O ROLLING/SRU		MIMI. NEG_Y TO SATURN (0,0,-9.5). SID SUSPEND
ISS_198TI_M120R2HZ294_PRIME	C, V	2013-293T23:30:00	E198_M120R2HZ294+000T00:00:00	000T01:30:00	2013-294T01:00:00	ISS_NAC TO TITAN	XBAND TO EARTH	NO PREFERENCE TO SECONDARY POINTING
ISS_198TI_M180R3HZ307_PRIME	C, V	2013-307T04:44:00	E198_M180R3HZ307+000T00:00:00	000T01:30:00	2013-307T06:14:00	ISS_NAC TO TITAN	POS_Z TO 134.1/41.0	
ISS_199TI_M90R3CLD326_PRIME	C, V	2013-326T03:45:00	E199_M90R3CLD326+000T00:00:00	000T01:30:00	2013-326T05:15:00	ISS_NAC TO TITAN	XBAND TO EARTH	NO PREFERENCE TO SECONDARY POINTING
ISS_199TI_M90R3CLD327_PRIME	C, V	2013-327T04:00:00	E199_M90R3CLD327+000T00:00:00	000T01:30:00	2013-327T05:30:00	ISS_NAC TO TITAN	XBAND TO EARTH	NO PREFERENCE TO SECONDARY POINTING
TITAN FLYBY T96 SEGMENT		2013-333T03:45:00		003T03:30:00	2013-336T07:15:00			
SP_199TI_WAYPTTURN333_PRIME		2013-333T03:45:00		000T00:40:00	2013-333T04:25:00	NEG_Y TO TITAN	POS_X TO NTP	
NEW WAYPOINT		2013-333T04:25:00		000T12:50:00	2013-333T17:15:00	NEG_Y TO TITAN	POS_X TO NTP	
ISS_199TI_CLOUD001_PRIME	C, M, V	2013-333T04:25:00		000T04:00:00	2013-333T08:25:00	ISS_NAC TO TITAN	POS_X TO NTP	
ISS_199TI_CLOUD002_PRIME	C, M, V	2013-333T08:25:00		000T03:05:00	2013-333T11:30:00	ISS_NAC TO TITAN	POS_X TO NTP	
CIRS_199RI_NP50L30007_PIE	M	2013-333T11:30:00		000T04:00:00	2013-333T15:30:00	CIRS_FP1 TO RINGS	POS_X TO 256.487/58.176	
ISS_199TI_CLOUD003_PRIME	C, M, V	2013-333T15:30:00		000T01:05:00	2013-333T16:35:00	ISS_NAC TO TITAN	POS_X TO NTP	
SP_199EA_DLTURN333_PRIME	M	2013-333T16:35:00		000T00:40:00	2013-333T17:15:00	XBAND TO EARTH	NEG_Y TO 133.0/-5.0	
NEW WAYPOINT		2013-333T17:15:00		000T11:10:00	2013-334T04:25:00	XBAND TO EARTH	NEG_Y TO 133.0/-5.0	
ENGR_199SC_KPTYBIAS333_PRIME	M	2013-333T17:15:00		000T01:30:00	2013-333T18:45:00	POS_Z TO DELTA_H (0,0,0.0,-9.998 DE	NEG_X TO SUN	
SP_199EA_C70METNON333_PRIME	C	2013-333T20:45:00		000T07:00:00	2013-334T03:45:00	XBAND TO EARTH	NEG_Y TO 133.0/-5.0	MIMI. NEG_Y TO SATURN (0,0,-9.5). PRE-TOST FLYBY
SP_199TI_WAYPTTURN334_PRIME		2013-334T03:45:00		000T00:40:00	2013-334T04:25:00	NEG_Y TO TITAN	POS_X TO NTP	
NEW WAYPOINT		2013-334T04:25:00		001T11:05:00	2013-335T15:30:00	NEG_Y TO TITAN	POS_X TO NTP	
SP_199NA_DEADTIME334_PRIME		2013-334T04:25:00		000T00:15:00	2013-334T04:40:00	NEG_Y TO TITAN	POS_X TO NTP	
CIRS_199TI_MIDIRTMAP001_PRIME	I, V	2013-334T04:40:00	GMB_E199_TITAN_T96-000T20:01:19	000T06:01:19	2013-334T10:41:19	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRS-ISS
CIRS_199TI_FIRNADCMP001_PRIME	I, U, V	2013-334T10:41:19	GMB_E199_TITAN_T96-000T14:00:00	000T05:00:00	2013-334T15:41:19	CIRS_FP1 TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2013-334T15:41:19	GMB_E199_TITAN_T96-000T09:00:00	000T00:00:01	2013-334T15:41:20			
ISS_199TI_GLOBMAP001_PRIME	C, V	2013-334T15:41:19	GMB_E199_TITAN_T96-000T09:00:00	000T04:00:00	2013-334T19:41:19	ISS_NAC TO TITAN	POS_X TO NTP	PICK UP AT NEG_Y TO TITAN, POS_X TO NTP; HAND OFF AT ISS_NAC TO TITAN, POS_X TO NTP.
ISS_199TI_REGMAP001_PRIME	C, V	2013-334T19:41:19	GMB_E199_TITAN_T96-000T05:00:00	000T02:45:00	2013-334T22:26:19	ISS_NAC TO TITAN	POS_X TO NTP	PICK UP AT ISS_NAC TO TITAN, POS_X TO NTP; HAND OFF AT ISS_NAC TO TITAN, POS_Z TO TITAN_SC_RAM.
ISS_199TI_REGMAP002_PRIME	C, M, V	2013-334T22:26:19	GMB_E199_TITAN_T96-000T02:15:00	000T01:15:00	2013-334T23:41:19	ISS_NAC TO TITAN	POS_Z TO TITAN_SC_RAM	PICK UP AT ISS_NAC TO TITAN, POS_Z TO TITAN_SC_RAM; HAND OFF AT VIMS_IR TO TITAN, POS_Z TO TITAN_SC_RAM.
VIMS_199TI_HIRES001_PRIME	C, I, M	2013-334T23:41:19	GMB_E199_TITAN_T96-000T01:00:00	000T00:30:00	2013-335T00:11:19	VIMS_IR TO TITAN	POS_Z TO TITAN_SC_RAM	PICK UP AT VIMS_IR TO TITAN, POS_Z TO TITAN_SC_RAM; HAND OFF AT VIMS_IR TO TITAN, POS_Z TO TITAN_SC_RAM.
VIMS_199TI_HIRES002_PRIME	C, M	2013-335T00:11:19	GMB_E199_TITAN_T96-000T00:30:00	000T01:00:00	2013-335T01:11:19	VIMS_IR TO TITAN	POS_Z TO TITAN_SC_RAM	PICK UP AT VIMS_IR TO TITAN, POS_Z TO TITAN_SC_RAM; HAND OFF AT NEG_Y TO TITAN, POS_Z TO TITAN_SC_RAM.
BEGIN DUAL PLAYBACK SCIENCE		2013-335T00:12:19	GMB_E199_TITAN_T96-000T00:29:00	000T00:00:01	2013-335T00:12:20			
199TI (T) T96 TITAN INBOUN...		2013-335T00:41:19		000T00:00:01	2013-335T00:41:20			
END DUAL PLAYBACK SCIENCE		2013-335T01:11:19	GMB_E199_TITAN_T96+000T00:30:00	000T00:00:01	2013-335T01:11:20			
CIRS_199TI_FIRLMBAR002_PRIME	M, V	2013-335T01:11:19	GMB_E199_TITAN_T96+000T00:30:00	000T00:45:00	2013-335T01:56:19	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, POS_Z TO TITAN_SC_RAM; HAND OFF AT CIRS_FP1 TO TITAN, NEG_Z TO TITAN. HANDOFF AT FP1 TO TITAN LAT_VIEW, 10S, 90 DEGREES, RHS, 480 KM ALTITUDE; NEG_Z TO TITAN FOV_LIMB, 10S, RHS
CIRS_199TI_FIRLMBINT002_PRIME	I, M, V	2013-335T01:56:19	GMB_E199_TITAN_T96+000T01:15:00	000T01:00:00	2013-335T02:56:19	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, NEG_Z TO TITAN; HAND OFF AT CIRS_FP1 TO TITAN, NEG_X TO 306.0/3.0. PICKUP AT FP1 TO TITAN LAT_VIEW, 10S, 90 DEGREES, RHS, 480 KM ALTITUDE; NEG_Z TO TITAN FOV_LIMB, 10S, RHS. HANDOFF AT FP1 TO TITAN, NEG_X TO 306/3.

ISS_201TI_M150R2HZ044_PRIME	C, M, V	2014-044T23:08:00	E201_M150R2HZ044+000T00:00:00	000T01:30:00	2014-045T00:38:00	ISS_NAC TO TITAN	POS_Z TO 133.2/42.5	NO PREFERENCE TO SECONDARY POINTING
ISS_202TI_M90R3CLD053_PRIME	C, M, V	2014-053T22:25:00	E202_M90R3CLD053+000T00:00:00	000T01:30:00	2014-053T23:55:00	ISS_NAC TO TITAN	XBAND TO EARTH	NO PREFERENCE TO SECONDARY POINTING
ISS_202TI_M90R3CLD055_PRIME	C, V	2014-055T08:25:00	E202_M90R3CLD055+000T00:00:00	000T01:30:00	2014-055T09:55:00	ISS_NAC TO TITAN (0.0,11.0,0.0 DEG. (NEG_X TO SUN	NO PREFERENCE TO SECONDARY POINTING
CIRS_202TI_TEA001_PRIME		2014-061T21:56:00		000T15:00:00	2014-062T12:56:00	CIRS_FP1 TO TITAN	NEG_Z TO 280.3/36.5	FP1 TO TITAN FOR HERSCHEL CALIBRATION
CIRS_202TI_TEA002_PRIME		2014-062T21:56:00		000T15:00:00	2014-063T12:56:00	CIRS_FP2 TO TITAN	NEG_Z TO 280.3/36.5	CIRS FP2 TO 45N CML-20 ENSURES THAT ARRAYS ARE N/S ON TITAN AND SPAN 0-90N AT BEGINNING & 10N-75N AT END
CIRS_202TI_TEA003_PRIME	R	2014-063T21:56:00		000T13:30:00	2014-064T11:26:00	CIRS_FP3 TO TITAN	NEG_Z TO 280.3/36.5	CIRS FP3 TO 90N ENSURES ARRAYS ARE N/S ON TITAN
TITAN FLYBY T99 SEGMENT		2014-064T21:56:00		001T23:45:00	2014-066T21:41:00			
SP_202TI_WAYPTTURN064_PRIME	M	2014-064T21:56:00		000T00:40:00	2014-064T22:36:00	XBAND TO EARTH	NEG_X TO 39.483/83.428	
NEW WAYPOINT		2014-064T22:36:00		001T14:05:00	2014-066T12:41:00	XBAND TO EARTH	NEG_X TO 39.483/83.428	
SP_202TI_DEADTIME064_PRIME	M	2014-064T22:36:00		000T00:15:00	2014-064T22:51:00	XBAND TO EARTH	NEG_X TO 39.483/83.428	
ISS_202TI_MONITORNA001_PRIME	C, M, R, V	2014-064T22:51:00	GMB_E202_TITAN_T99-000T17:35:47	000T03:30:48	2014-065T02:21:48	ISS_NAC TO TITAN	POS_X TO NTP	
SP_202EA_M34BWGNON065_PRIME	M, R	2014-065T04:26:47	GMB_E202_TITAN_T99-000T12:00:00	000T03:14:13	2014-065T07:41:00	XBAND TO EARTH	NEG_X TO 39.483/83.428	
SP_202EA_G34BWGNON065_PRIME	M, R	2014-065T07:41:00	GMB_E202_TITAN_T99-000T08:45:47	000T07:45:00	2014-065T15:26:00	XBAND TO EARTH	NEG_X TO 39.483/83.428	
SP_202EA_C34BWGNON065_PRIME	M, R	2014-065T15:26:00	GMB_E202_TITAN_T99-000T01:00:47	000T08:00:00	2014-065T23:26:00	XBAND TO EARTH	NEG_X TO 39.483/83.428	
202TI (T) T99 TITAN INBOUND...		2014-065T16:26:47		000T00:00:01	2014-065T16:26:48			
SP_202EA_M34BWGNON465_PRIME	R	2014-065T23:26:00	GMB_E202_TITAN_T99+000T06:59:13	000T05:00:47	2014-066T04:26:47	XBAND TO EARTH	NEG_X TO 39.483/83.428	
CIRS_202TI_MIDIRTMAP002_PRIME	I, R, V	2014-066T04:26:47	GMB_E202_TITAN_T99+000T12:00:00	000T07:19:13	2014-066T11:46:00	CIRS_FP3 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE M3?
SP_202TI_DEADTIME066_PRIME	R	2014-066T11:46:00	GMB_E202_TITAN_T99+000T19:19:13	000T00:15:00	2014-066T12:01:00	XBAND TO EARTH	NEG_X TO 39.483/83.428	
SP_202EA_DLTURNO66_PRIME	R	2014-066T12:01:00		000T00:40:00	2014-066T12:41:00	XBAND TO EARTH	NEG_Y TO 295.99/55.69	
NEW WAYPOINT		2014-066T12:41:00		000T09:40:00	2014-066T22:21:00	XBAND TO EARTH	NEG_Y TO 295.99/55.69	
SP_202EA_C70METNON066_PRIME	C, R	2014-066T12:41:00		000T09:00:00	2014-066T21:41:00	XBAND TO EARTH	NEG_Y TO 295.99/55.69	MIMI. NEG_Y TO SATURN (0,0,-9.5). CIRS HEATING RA/DEC EQUIV OF MIMI'S DESIRED POINTING
ISS_202TI_M120R2HZ076_PRIME	C, V	2014-076T07:52:00	E202_M120R2HZ076+000T00:00:00	000T01:30:00	2014-076T09:22:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_203TI_M90R3CLD084_PRIME	C, V	2014-085T14:58:00	E203_M90R3CLD084+000T00:00:00	000T01:30:00	2014-085T16:28:00	ISS_NAC TO TITAN	POS_Z TO NEP	
ISS_203TI_M90R3CLD086_PRIME	C, V	2014-086T21:09:00	E203_M90R3CLD086+000T00:00:00	000T01:30:00	2014-086T22:39:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_203TI_M60R3CLD088_PRIME	C, V	2014-088T20:54:00	E203_M60R3CLD088+000T00:00:00	000T01:30:00	2014-088T22:24:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_203TI_M60R3CLD090_PRIME	C, V	2014-090T06:54:00	E203_M60R3CLD090+000T00:00:00	000T01:30:00	2014-090T08:24:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_203TI_M30R3CLD091_PRIME	C, V	2014-091T14:24:00	E203_M30R3CLD091+000T00:00:00	000T01:30:00	2014-091T15:54:00	ISS_NAC TO TITAN (0.0,48.0,0.0 DEG. (POS_Z TO NSP	
ISS_203TI_M30R3CLD092_PRIME	C, V	2014-092T14:24:00	E203_M30R3CLD092+000T00:00:00	000T01:30:00	2014-092T15:54:00	ISS_NAC TO TITAN (0.0,28.0,0.0 DEG. (POS_Z TO NSP	
TITAN FLYBY T100 SEGMENT		2014-096T19:45:00		002T03:30:00	2014-098T23:15:00			
SP_203TI_WAYPTTURN096_PRIME		2014-096T19:45:00		000T00:12:00	2014-096T19:57:00	NEG_Z TO EARTH	NEG_X TO SUN	
SP_203TI_WAYPTTURN196_PRIME		2014-096T19:57:00		000T00:30:00	2014-096T20:27:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2014-096T20:27:00		001T15:33:00	2014-098T12:00:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_203NA_DEADTIME096_PRIME		2014-096T20:27:00		000T00:12:59	2014-096T20:39:59	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_203TI_MIDIRTMAP001_PRIME	I, V	2014-096T20:39:59	GMB_E203_TITAN_T100-000T17:01:15	000T03:01:15	2014-096T23:41:14	CIRS_FP3 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRS-ISS. TIME (30 MINS) FOR ISS DWELLS AT START AND END.
ISS_203TI_MONITORNA001_PRIME	C, V	2014-096T23:41:14	GMB_E203_TITAN_T100-000T14:00:00	000T02:00:00	2014-097T01:41:14	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_203TI_FIRNADCMP001_PRIME	I, U, V	2014-097T01:41:14	GMB_E203_TITAN_T100-000T12:00:00	000T03:00:00	2014-097T04:41:14	CIRS_FP1 TO TITAN	PIC	
VIMS_203TI_MEDRES001_PRIME	C, I	2014-097T04:41:14	GMB_E203_TITAN_T100-000T09:00:00	000T04:00:00	2014-097T08:41:14	VIMS_IR TO TITAN	NEG_X TO SUN	
VIMS_203TI_REGMAP001_PRIME	C, I	2014-097T08:41:14	GMB_E203_TITAN_T100-000T05:00:00	000T02:45:00	2014-097T11:26:14	VIMS_IR TO TITAN	NEG_X TO SUN	
CIRS_203TI_FIRLMBWTR001_PRIME	I, M, V	2014-097T11:26:14	GMB_E203_TITAN_T100-000T02:15:00	000T00:53:00	2014-097T12:19:14	CIRS_FP1 TO TITAN	PIC	
BEGIN DUAL PLAYBACK SCIENCE		2014-097T12:19:14	GMB_E203_TITAN_T100-000T01:22:00	000T00:00:01	2014-097T12:19:15			
BEGIN CUSTOM PERIOD		2014-097T12:19:14	GMB_E203_TITAN_T100-000T01:22:00	000T00:00:01	2014-097T12:19:15			

VIMS_203TI_ALPSCOCC001_PRIME	C, I, M	2014-097T12:19:14	GMB_E203_TITAN_T100-000T01:22:00	000T00:49:00	2014-097T13:08:14	VIMS_IR TO 247.352/-26.432	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT VIMS_IR TO 247.352/-26.432, NEG_X TO TITAN_SC_RAM.
ENGR_203SC_ORSRCS097_PRIME	M	2014-097T13:08:14	GMB_E203_TITAN_T100-000T00:33:00	000T00:01:00	2014-097T13:09:14	VIMS_IR TO 247.352/-26.432	NEG_X TO TITAN_SC_RAM	PICK UP AT VIMS_IR TO 247.352/-26.432, NEG_X TO TITAN_SC_RAM; HAND OFF AT VIMS_IR TO 247.352/-26.432, NEG_X TO TITAN_SC_RAM, DEADBAND=(0.5,2,0.5)
VIMS_203TI_REGMAP002_PRIME	C, I, M	2014-097T13:09:14	GMB_E203_TITAN_T100-000T00:32:00	000T00:20:00	2014-097T13:29:14	VIMS_IR TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT VIMS_IR TO 247.352/-26.432, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_X TO TITAN_SC_RAM, CIRS_FP1 TO TITAN.
INMS_203TI_TITAN100001_PRIME	C, M	2014-097T13:29:14	GMB_E203_TITAN_T100-000T00:12:00	000T00:21:00	2014-097T13:50:14	NEG_X TO TITAN_SC_RAM	CIRS_FP1 TO TITAN	PICK UP AT NEG_X TO TITAN_SC_RAM, CIRS_FP1 TO TITAN; HAND OFF AT CIRS_FP1 TO TITAN, NEG_Z TO EARTH.
203TI (T) T100 TITAN INBOUN...		2014-097T13:41:14		000T00:00:01	2014-097T13:41:15			
END DUAL PLAYBACK SCIENCE		2014-097T13:50:14	GMB_E203_TITAN_T100+000T00:09:00	000T00:00:01	2014-097T13:50:15			
CIRS_203TI_FIRLMBAR002_PRIME	M, V	2014-097T13:50:14	GMB_E203_TITAN_T100+000T00:09:00	000T01:06:00	2014-097T14:56:14	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, NEG_Z TO EARTH; HAND OFF AT CIRS_FP1 TO TITAN, PIC. PICKUP AT CIRS_FP1 TO TITAN CENTER; NEG_Z TO EARTH. HANDOFF AT CIRS_FP1 TO TITAN LAT_VIEW, 40S, 90 DEGREE VIEW ANGLE, RHS, ALTITUDE 0 KM; NEG_Z TO TITAN, FOV_LIMB, 40S, RHS.
ENGR_203SC_DFPWBIA097_PPS	C, M, V	2014-097T14:56:14	GMB_E203_TITAN_T100+000T01:15:00	000T00:21:05	2014-097T15:17:19	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC, DEADBAND=(2,2,20)
CIRS_203TI_FIRLMBINT002_PRIME	I, M, V	2014-097T15:18:14	GMB_E203_TITAN_T100+000T01:37:00	000T00:38:00	2014-097T15:56:14	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN. PICKUP AT CIRS_FP1 TO TITAN, LAT_VIEW, 40S, 90 DEGREE VIEW ANGLE, RHS, ALTITUDE 0 KM; NEG_Z TO TITAN, FOV_LIMB, 40S, RHS. HANDOFF AT NEG_Y TO TITAN, NEG_X TO SUN.
END CUSTOM PERIOD		2014-097T15:56:14	GMB_E203_TITAN_T100+000T02:15:00	000T00:00:01	2014-097T15:56:15			
UVIS_203TI_EUVFUV001_PRIME	C, I, V	2014-097T15:56:14	GMB_E203_TITAN_T100+000T02:15:00	000T06:45:00	2014-097T22:41:14	UVIS_FUV TO TITAN	NEG_X TO SUN	
CIRS_203TI_FIRNADCMPO02_PRIME	I, U, V	2014-097T22:41:14	GMB_E203_TITAN_T100+000T09:00:00	000T04:00:00	2014-098T02:41:14	CIRS_FP1 TO TITAN	PIC	
CIRS_203TI_MIDIRTMAP002_PRIME	I, V	2014-098T02:41:14	GMB_E203_TITAN_T100+000T13:00:00	000T08:23:45	2014-098T11:04:59	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRS-ISS. TIME (30 MINS) FOR ISS DWELLS AT START AND END.
SP_203NA_DEADTIME098_PRIME		2014-098T11:04:59	GMB_E203_TITAN_T100+000T21:23:45	000T00:15:00	2014-098T11:19:59	NEG_Y TO TITAN	NEG_X TO SUN	
SP_203EA_DLTURNO98_PRIME		2014-098T11:20:00		000T00:40:00	2014-098T12:00:00	XBAND TO EARTH	NEG_Y TO 302.0/50.0	
NEW WAYPOINT		2014-098T12:00:00		000T11:55:00	2014-098T23:55:00	XBAND TO EARTH	NEG_Y TO 302.0/50.0	
SP_203EA_C70METNON098_PRIME	C	2014-098T12:00:00		000T09:00:00	2014-098T21:00:00	XBAND TO EARTH	NEG_Y TO 302.0/50.0	ROLL DELETED PER S83 RBOT LIEN 4.1
POINTER RESET IN PREPARATIO...		2014-098T21:00:00		000T00:00:01	2014-098T21:00:01			
SP_203EA_M34HEFNON098_PRIME	C	2014-098T21:00:00		000T02:15:00	2014-098T23:15:00	XBAND TO EARTH	NEG_Y TO 302.0/50.0	ROLL DELETED PER S83 RBOT LIEN 4.1
RADAR_203TI_RADIOCAL041_PRIME	M	2014-101T18:00:00		000T02:00:00	2014-101T20:00:00	NEG_Z TO TITAN	NEG_X TO NTP	
ISS_203TI_M120R2HZ104_PRIME	C, V	2014-104T12:55:00	E203_M120R2HZ104+000T00:00:00	000T01:30:00	2014-104T14:25:00	ISS_NAC TO TITAN	XBAND TO EARTH	NO PREFERENCE TO SECONDARY POINTING
ISS_203TI_M90R2CLD106_PRIME	C, V	2014-106T12:45:00	E203_M90R2CLD106+000T00:00:00	000T01:30:00	2014-106T14:15:00	ISS_NAC TO TITAN	XBAND TO EARTH	NO PREFERENCE TO SECONDARY POINTING
ISS_203TI_M120R2HZ108_PRIME	C, V	2014-108T12:30:00	E203_M120R2HZ108+000T00:00:00	000T01:30:00	2014-108T14:00:00	ISS_NAC TO TITAN	NEG_X TO 131.2/49.8	NO PREFERENCE TO SECONDARY POINTING
ISS_204TI_M90R3CLD117_PRIME	C, V	2014-117T18:56:00	E204_M90R3CLD117+000T00:00:00	000T01:30:00	2014-117T20:26:00	ISS_NAC TO TITAN	POS_Z TO 131.2/49.8	
ISS_204TI_M90R3CLD119_PRIME	C, I, M, V	2014-119T18:50:00	E204_M90R3CLD119+000T00:00:00	000T01:30:00	2014-119T20:20:00	ISS_NAC TO TITAN	XBAND TO EARTH	
ISS_204TI_M60R3CLD123_PRIME	C, V	2014-123T18:41:00	E204_M60R3CLD123+000T00:00:00	000T01:30:00	2014-123T20:11:00	ISS_NAC TO TITAN (0.0,-18.0,0.0 DEG.	NEG_X TO 131.2/49.8	PICK-UP AND HAND-OFF HAVE +64 DEGREE ROTATION ABOUT ISS_NAC USING 7OFFSET (0.671,-1117.026,-0.192)
ISS_204TI_M60R3CLD125_PRIME	C, V	2014-124T22:30:00	E204_M60R3CLD125+000T00:00:00	000T01:30:00	2014-125T00:00:00	ISS_NAC TO TITAN (0.0,-22.0,0.0 DEG.	NEG_X TO 131.2/49.8	
ISS_204TI_M60R2CLD127_PRIME	C, M, V	2014-127T11:46:00	E204_M60R2CLD127+000T00:00:00	000T01:30:00	2014-127T13:16:00	ISS_NAC TO TITAN (0.0,-59.0,0.0 DEG.	NEG_X TO 131.2/49.8	JETTISON ACTIVITY. WILL BE DELETED IF RBOT PROBLEMS OCCUR

SP_208EA_DLTRN267_PRIME		2014-267T20:52:00		000T00:40:00	2014-267T21:32:00	XBAND TO EARTH	NEG_X TO 307.0/26.0	
NEW WAYPOINT		2014-267T21:32:00		000T10:43:00	2014-268T08:15:00	XBAND TO EARTH	NEG_X TO 307.0/26.0	
ENGR_208SC_KPTYBIAS267_PRIME		2014-267T21:32:00		000T01:30:00	2014-267T23:02:00	NEG_Z TO DELTA_H (0.0,0.0,16.002 D)	NEG_X TO SUN	
SP_208EA_C70METSEQ267_PRIME	C	2014-267T23:02:00		000T06:30:00	2014-268T05:32:00	XBAND TO EARTH	ROLLING	CDA. NEG_X TO (307/26).
ISS_208TI_M150R2HZ268_PRIME	C, M, V	2014-268T08:15:00	E208_M150R2HZ268+000T00:00:00	000T02:00:00	2014-268T10:15:00	ISS_NAC TO TITAN	NEG_X TO NEP	MUST POINT WITHIN 15 DEG OF TITAN CENTER
ISS_209TI_M90R3CLD280_PRIME	C, V	2014-280T07:56:00	E209_M90R3CLD280+000T00:00:00	000T01:30:00	2014-280T09:26:00	ISS_NAC TO TITAN	NEG_X TO 130.2/50.1	
ISS_209TI_M90R2CLD287_PRIME	V	2014-287T01:10:00	E209_M90R2CLD287+000T00:00:00	000T01:30:00	2014-287T02:40:00	ISS_NAC TO TITAN	NEG_X TO 130.2/50.1	
ISS_209TI_M90R2CLD289_PRIME	M, V	2014-289T01:10:00	E209_M90R2CLD289+000T00:00:00	000T01:30:00	2014-289T02:40:00	ISS_NAC TO TITAN	NEG_X TO 130.2/50.1	
ISS_209TI_M90R2CLD292_PRIME	M, V	2014-292T11:30:00	E209_M90R2CLD292+000T00:00:00	000T01:30:00	2014-292T13:00:00	ISS_NAC TO TITAN (0.0,-10.0,0.0 DEG.	NEG_X TO 130.2/50.1	
ISS_209TI_M60R2CLD293_PRIME	C, V	2014-293T07:10:00	E209_M60R2CLD293+000T00:00:00	000T01:30:00	2014-293T08:40:00	ISS_NAC TO TITAN	NEG_X TO 19.973/58.592	PICKUP AND HANDOFF AT ISS_NAC TO SATURN / NEG_X TO 19.973/58.592
TITAN FLYBY T106 SEGMENT		2014-296T06:15:00		002T23:45:00	2014-299T06:00:00			
SP_209TI_WAYPTTURN296_PRIME		2014-296T06:15:00		000T00:40:00	2014-296T06:55:00	NEG_Y TO TITAN	NEG_X TO NEP	
NEW WAYPOINT		2014-296T06:55:00		001T12:50:00	2014-297T19:45:00	NEG_Y TO TITAN	NEG_X TO NEP	
SP_209TI_DEADTIME296_PRIME		2014-296T06:55:00		000T00:15:00	2014-296T07:10:00	NEG_Y TO TITAN	NEG_X TO NEP	
CIRS_209TI_MIDIRTMAP001_PRIME	I, V	2014-296T07:10:00	GMB_E209_TITAN_T106-000T19:30:30	000T05:30:30	2014-296T12:40:30	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRS-ISS. TIME (30 MINS) FOR ISS DWELLS AT START AND END.
ISS_209TI_MONITORNA001_PRIME	C, U, V	2014-296T12:40:30	GMB_E209_TITAN_T106-000T14:00:00	000T02:00:00	2014-296T14:40:30	ISS_NAC TO TITAN	NEG_X TO NEP	
CIRS_209TI_FIRNADCMP001_PRIME	I, U, V	2014-296T14:40:30	GMB_E209_TITAN_T106-000T12:00:00	000T03:00:00	2014-296T17:40:30	CIRS_FP1 TO TITAN	PIC	
CIRS_209TI_MIRLMBINT001_PRIME	I, V	2014-296T17:40:30	GMB_E209_TITAN_T106-000T09:00:00	000T04:00:00	2014-296T21:40:30	CIRS_FP1 TO TITAN	PIC	
VIMS_209TI_REGMAP001_PRIME	C, I, U	2014-296T21:40:30	GMB_E209_TITAN_T106-000T05:00:00	000T01:34:00	2014-296T23:14:30	VIMS_IR TO TITAN	NEG_X TO NEP	COLLABORATIVE RIDER(S): ISS
ENGR_209SC_ORSRC296_PRIME	I	2014-296T23:14:30	GMB_E209_TITAN_T106-000T03:26:00	000T00:01:00	2014-296T23:15:30	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. DEADBAND =(0.5,0.5,2)
BEGIN CUSTOM		2014-296T23:40:30	GMB_E209_TITAN_T106-000T03:00:00	000T00:00:01	2014-296T23:40:31			
RSS_209TI_BISTATIC001_PRIME	M, R	2014-296T23:40:30	LUB_E209_TITAN_T106-000T03:00:00	000T05:25:00	2014-297T05:05:30	XBAND TO TITAN	POS_Y TO TITAN_SC_RAM	PICK UP AT NEG_Y TO TITAN, NEG_X TO NEP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
209TI (T) T106 TITAN OUTBOU...		2014-297T02:40:30		000T00:00:01	2014-297T02:40:31			
ENGR_209SC_DFPWBIAS297_PPS	C, U, V	2014-297T05:05:30	GMB_E209_TITAN_T106+000T02:25:00	000T00:21:07	2014-297T05:26:37	NEG_Y TO TITAN	NEG_X TO SUN	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN. DEADBAND: (2,2,2).
VIMS_209TI_REGMAP002_PRIME	C, I, U	2014-297T05:27:30	GMB_E209_TITAN_T106+000T02:47:00	000T02:13:00	2014-297T07:40:30	NEG_Y TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): ISS. PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT VIMS_IR TO TITAN, NEG_X TO NEP. COLLABORATIVE RIDER(S): ISS
VIMS_209TI_MEDRES001_PRIME	C, I, U	2014-297T07:40:30	GMB_E209_TITAN_T106+000T05:00:00	000T04:00:00	2014-297T11:40:30	VIMS_IR TO TITAN	NEG_X TO NEP	COLLABORATIVE RIDER(S): ISS. PICK UP AT VIMS_IR TO TITAN, NEG_X TO NEP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NEP. COLLABORATIVE RIDER(S): ISS
END CUSTOM		2014-297T11:40:30	GMB_E209_TITAN_T106+000T09:00:00	000T00:00:01	2014-297T11:40:31			
CIRS_209TI_FIRNADCMP002_PRIME	I, U, V	2014-297T11:40:30	GMB_E209_TITAN_T106+000T09:00:00	000T04:00:00	2014-297T15:40:30	CIRS_FP1 TO TITAN	PIC	
CIRS_209TI_MIDIRTMAP002_PRIME	I, V	2014-297T15:40:30	GMB_E209_TITAN_T106+000T13:00:00	000T03:09:31	2014-297T18:50:01	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRS-ISS. TIME (30 MINS) FOR ISS DWELLS AT START AND END.
SP_209TI_DEADTIME297_PRIME		2014-297T18:50:01	GMB_E209_TITAN_T106+000T16:09:31	000T00:14:59	2014-297T19:05:00	NEG_Y TO TITAN	NEG_X TO NEP	
SP_209EA_DLTRN297_PRIME		2014-297T19:05:00		000T00:40:00	2014-297T19:45:00	XBAND TO EARTH	NEG_Y TO SATURN	
NEW WAYPOINT		2014-297T19:45:00		000T12:55:00	2014-298T08:40:00	XBAND TO EARTH	NEG_Y TO SATURN	
SP_209EA_C70METNON297_PRIME	C	2014-297T19:45:00		000T08:25:00	2014-298T04:10:00	XBAND TO EARTH	ROLLING	MIMI. NEG_Y TO SATURN (0,0,-9.5).
SP_209TI_WAYPTTURN298_PRIME		2014-298T08:00:00		000T00:40:00	2014-298T08:40:00	NEG_Y TO TITAN	NEG_Z TO NEP	
NEW WAYPOINT		2014-298T08:40:00		000T10:50:00	2014-298T19:30:00	NEG_Y TO TITAN	NEG_Z TO NEP	
ISS_209TI_CLOUD001_PRIME	C, U, V	2014-298T08:40:00		000T04:00:00	2014-298T12:40:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_209TI_CLOUD002_PRIME	C, U, V	2014-298T12:40:00		000T04:00:00	2014-298T16:40:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_209TI_CLOUD003_PRIME	C, U, V	2014-298T16:40:00		000T02:10:00	2014-298T18:50:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_209EA_DLTRN398_PRIME		2014-298T18:50:00		000T00:40:00	2014-298T19:30:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2014-298T19:30:00		000T10:45:00	2014-299T06:15:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
SP_209EA_C70METNON298_PRIME	C	2014-298T21:00:00		000T08:25:00	2014-299T05:25:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING	MIMI. NEG_Y TO SATURN (0,0,-9.5)
ISS_209TI_M150R2HZ300_PRIME	M, V	2014-300T00:00:00	E209_M150R2HZ300+000T00:00:00	000T01:30:00	2014-300T01:30:00	ISS_NAC TO TITAN	NEG_X TO 127.8/57.2	

UVIS_212TI_EUVFUV002_PRIME	C, I, M, V	2015-043T19:23:04	GMB_E212_TITAN_T109+000T02:15:00	000T06:45:00	2015-044T02:08:04	UVIS_FUV TO TITAN	NEG_X TO NTP	
CIRS_212TI_FIRNADCMP002_PRIME	I, M, U, V	2015-044T02:08:04	GMB_E212_TITAN_T109+000T09:00:00	000T04:00:00	2015-044T06:08:04	CIRS_FP1 TO TITAN	PIC	
CIRS_212TI_MIDIRTMAP002_PRIME	I, M, V	2015-044T06:08:04	GMB_E212_TITAN_T109+000T13:00:00	000T08:17:55	2015-044T14:25:59	CIRS_FPB TO TITAN	PIC	TEMPLATE M3?
SP_212TI_DEADTIME044_PRIME	M	2015-044T14:25:59	GMB_E212_TITAN_T109+000T21:17:55	000T00:15:01	2015-044T14:41:00	NEG_Y TO TITAN	NEG_X TO NEP	
SP_212EA_DLTURNO44_PRIME	M	2015-044T14:41:00		000T00:40:00	2015-044T15:21:00	XBAND TO EARTH	NEG_X TO 300.0/55.0	
NEW WAYPOINT		2015-044T15:21:00		000T13:45:00	2015-045T05:06:00	XBAND TO EARTH	NEG_X TO 300.0/55.0	
SP_212EA_C70METSEQ044_PRIME	C, M	2015-044T15:21:00		000T10:00:00	2015-045T01:21:00	XBAND TO EARTH	ROLLING	CDA.NEG_X TO (300/55). CIRS HEATING
POINTER RESET IN PREPARATIO...		2015-045T01:21:00		000T00:00:01	2015-045T01:21:01			
SP_212EA_M70METNON045_PRIME	C, M	2015-045T01:21:00		000T02:30:00	2015-045T03:51:00	XBAND TO EARTH	ROLLING	CDA.NEG_X TO (300/55). CIRS HEATING
RADAR_212TI_RADIOMCAL016_PRIME	M	2015-048T11:07:00		000T02:00:00	2015-048T13:07:00	NEG_Z TO TITAN	NEG_X TO 310.0/48.0	
ISS_213TI_M90R3CLD071_PRIME	C, V	2015-071T22:50:00	E213_M90R3CLD071+000T00:00:00	000T01:30:00	2015-072T00:20:00	ISS_NAC TO TITAN	POS_Z TO 98.0/80.0	
ISS_213TI_M90R2CLD072_PRIME		2015-072T22:10:00	E213_M90R2CLD072+000T00:00:00	000T01:30:00	2015-072T23:40:00	ISS_NAC TO TITAN	POS_Z TO NSP	PICK UP AT XBAND TO EARTH, POS_X TO NSP; HAND OFF AT ISS_NAC TO TITAN, POS_Z TO NSP.
TITAN FLYBY T110 SEGMENT		2015-074T21:55:00		002T04:15:00	2015-077T02:10:00			
SP_213TI_WAYPTTURN074_PRIME		2015-074T21:55:00		000T00:40:00	2015-074T22:35:00	NEG_Y TO TITAN (0.0,-4.5,0.0 DEG. OF NEG_Z TO EARTH		
NEW WAYPOINT		2015-074T22:35:00		001T14:20:00	2015-076T12:55:00	NEG_Y TO TITAN (0.0,-4.5,0.0 DEG. OF NEG_Z TO EARTH		
SP_213TI_DEADTIME074_PRIME		2015-074T22:35:00		000T00:15:00	2015-074T22:50:00	NEG_Y TO TITAN	POS_X TO SC_RAM	
CIRS_213TI_MIDIRTMAP001_PRIME	I, V	2015-074T22:50:00	GMB_E213_TITAN_T110-000T15:39:49	000T03:39:49	2015-075T02:29:49	CIRS_FPB TO TITAN	PIC	
CIRS_213TI_FIRNADCMP001_PRIME	I, U, V	2015-075T02:29:49	GMB_E213_TITAN_T110-000T12:00:00	000T03:00:00	2015-075T05:29:49	CIRS_FP1 TO TITAN	PIC	
CIRS_213TI_MIRLMBMAP001_PRIME	V	2015-075T05:29:49	GMB_E213_TITAN_T110-000T09:00:00	000T04:00:00	2015-075T09:29:49	CIRS_FPB TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2015-075T09:29:49	GMB_E213_TITAN_T110-000T05:00:00	000T09:00:01	2015-075T18:29:50			
VIMS_213TI_MEDRES001_PRIME	C, I, R	2015-075T09:29:49	GMB_E213_TITAN_T110-000T05:00:00	000T02:45:00	2015-075T12:14:49	VIMS_IR TO TITAN (-0.859,-4.5,0.573 I NEG_Z TO EARTH		PICK UP AT NEG_Y TO TITAN (0.0,-4.5,0.0 DEG. OFFSET), NEG_Z TO EARTH; HAND OFF AT VIMS_IR TO TITAN (0.0,-4.5,0.0 DEG. OFFSET), NEG_Z TO EARTH.
VIMS_213TI_HIRES001_PRIME	C, I, M, R	2015-075T12:14:49	GMB_E213_TITAN_T110-000T02:15:00	000T02:45:00	2015-075T14:59:49	VIMS_IR TO TITAN (-1.146,-4.5,1.146 I NEG_Z TO EARTH		PICK UP AT VIMS_IR TO TITAN (0.0,-4.5,0.0 DEG. OFFSET), NEG_Z TO EARTH; HAND OFF AT NEG_Y TO TITAN (0.0,-4.5,0.0 DEG. OFFSET), NEG_Z TO EARTH.
BEGIN DUAL PLAYBACK SCIENCE		2015-075T13:59:49	GMB_E213_TITAN_T110-000T00:30:00	000T00:00:01	2015-075T13:59:50			
213TI (T) T110 TITAN OUTBOU...		2015-075T14:29:49		000T00:00:01	2015-075T14:29:50			
END DUAL PLAYBACK SCIENCE		2015-075T14:59:49	GMB_E213_TITAN_T110+000T00:30:00	000T00:00:01	2015-075T14:59:50			
CIRS_213TI_FIRLMBAR002_PRIME	M, R, V	2015-075T14:59:49	GMB_E213_TITAN_T110+000T00:30:00	000T00:45:00	2015-075T15:44:49	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN (0.0,-4.5,0.0 DEG. OFFSET), NEG_Z TO EARTH; HAND OFF AT CIRS_FP1 TO TITAN, NEG_Z TO EARTH.
CIRS_213TI_FIRLMBINT002_PRIME	I, M, R, V	2015-075T15:44:49	GMB_E213_TITAN_T110+000T01:15:00	000T01:00:00	2015-075T16:44:49	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, NEG_Z TO EARTH; HAND OFF AT CIRS_FP1 TO TITAN (0.0,-4.5,0.0 DEG. OFFSET), NEG_Z TO EARTH.
CIRS_213TI_FIRNADMAP002_PRIME	I, R, V	2015-075T16:44:49	GMB_E213_TITAN_T110+000T02:15:00	000T02:45:00	2015-075T19:29:49	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN (0.0,-4.5,0.0 DEG. OFFSET), NEG_Z TO EARTH; HAND OFF AT NEG_Y TO TITAN (0.0,-4.5,0.0 DEG. OFFSET), NEG_Z TO EARTH.
END CUSTOM PERIOD		2015-075T19:29:49	GMB_E213_TITAN_T110+000T05:00:00	000T00:00:01	2015-075T19:29:50			
CIRS_213TI_MIRLMBINT002_PRIME	I, V	2015-075T19:29:49	GMB_E213_TITAN_T110+000T05:00:00	000T04:00:00	2015-075T23:29:49	CIRS_FPB TO TITAN	PIC	
CIRS_213TI_FIRNADCMP002_PRIME	I, U, V	2015-075T23:29:49	GMB_E213_TITAN_T110+000T09:00:00	000T04:00:00	2015-076T03:29:49	CIRS_FP1 TO TITAN	PIC	
CIRS_213TI_MIDIRTMAP002_PRIME	I, V	2015-076T03:29:49	GMB_E213_TITAN_T110+000T13:00:00	000T08:30:11	2015-076T12:00:00	CIRS_FPB TO TITAN	PIC	
SP_213TI_DEADTIME076_PRIME		2015-076T12:00:00	GMB_E213_TITAN_T110+000T21:30:11	000T00:15:00	2015-076T12:15:00	NEG_Y TO TITAN	POS_X TO SC_RAM	
SP_213EA_DLTURNO76_PRIME		2015-076T12:15:00		000T00:40:00	2015-076T12:55:00	XBAND TO EARTH	NEG_Y TO 305.0/54.0	
NEW WAYPOINT		2015-076T12:55:00		000T13:35:00	2015-077T02:30:00	XBAND TO EARTH	NEG_Y TO 305.0/54.0	
ENGR_213SC_KPTYBIAS076_PRIME		2015-076T12:55:00		000T01:30:00	2015-076T14:25:00	NEG_Z TO DELTA_H (0.0,0.0,8.998 DEG	NEG_X TO SUN	
SP_213EA_C70METNON076_PRIME	C	2015-076T14:25:00		000T09:00:00	2015-076T23:25:00	XBAND TO EARTH	ROLLING	MIMI.NEG_Y TO SATURN (0,0,-9.5).CIRS HEATING.
POINTER RESET IN PREPARATIO...		2015-076T23:25:00		000T00:00:01	2015-076T23:25:01			
SP_213EA_M70METNON076_PRIME	C	2015-076T23:25:00		000T02:45:00	2015-077T02:10:00	XBAND TO EARTH	NEG_Y TO 305.0/54.0	MIMI.NEG_Y TO SATURN (0,0,-9.5).
ISS_214TI_M120R2HZ094_PRIME	C, V	2015-094T07:08:00	E214_M120R2HZ094+000T00:00:00	000T01:30:00	2015-094T08:38:00	ISS_NAC TO TITAN	POS_Z TO 38.0/83.5	
ISS_214TI_M150R2HZ096_PRIME	C, V	2015-095T13:05:00	E214_M150R2HZ096+000T00:00:00	000T01:30:00	2015-095T14:35:00	ISS_NAC TO TITAN	POS_Z TO 38.0/83.5	
ISS_214TI_M150R2HZ097_PRIME	C, V	2015-097T21:08:00	E214_M150R2HZ097+000T00:00:00	000T01:30:00	2015-097T22:38:00	ISS_NAC TO TITAN	POS_Z TO 171.636/74.005	

ISS_214TI_M150R2HZ099_PRIME	C, V	2015-098T22:38:00	E214_M150R2HZ099+000T00:00:00	000T01:30:00	2015-099T00:08:00	ISS_NAC TO TITAN	POS_Z TO 38.0/83.5	
ISS_214TI_M150R2HZ104_PRIME	I, M, V	2015-104T18:00:00	E214_M150R2HZ104+000T00:00:00	000T01:30:00	2015-104T19:30:00	ISS_NAC TO TITAN	NEG_X TO 38.0/83.5	
ISS_214TI_M150R2HZ106_PRIME	I, V	2015-106T07:00:00	E214_M150R2HZ106+000T00:00:00	000T01:30:00	2015-106T08:30:00	ISS_NAC TO TITAN	NEG_X TO 38.0/83.5	
ISS_214TI_M150R2HZ107_PRIME	C, I, V	2015-107T20:14:00	E214_M150R2HZ107+000T00:00:00	000T01:30:00	2015-107T21:44:00	ISS_NAC TO TITAN	NEG_X TO 38.0/83.5	
ISS_214TI_M150R2HZ108_PRIME	C, I, M, V	2015-108T20:14:00	E214_M150R2HZ108+000T00:00:00	000T01:30:00	2015-108T21:44:00	ISS_NAC TO TITAN	NEG_X TO 38.0/83.5	
ISS_214TI_M180R2HZ109_PRIME	C, I, M, V	2015-109T20:14:00	E214_M180R2HZ109+000T00:00:00	000T01:30:00	2015-109T21:44:00	ISS_NAC TO TITAN	NEG_X TO 38.0/83.5	
ISS_215TI_M90R3CLD123_PRIME	C, I, V	2015-123T19:15:00	E215_M90R3CLD123+000T00:00:00	000T01:30:00	2015-123T20:45:00	ISS_NAC TO TITAN	POS_Z TO 38.1/83.4	
ISS_215TI_M90R2CLD124_PRIME	C, I, V	2015-124T19:10:00	E215_M90R2CLD124+000T00:00:00	000T01:30:00	2015-124T20:40:00	ISS_NAC TO TITAN	POS_Z TO 38.1/83.4	
ISS_215TI_M90R1CLD125_PRIME	C, I, M, V	2015-125T19:10:00	E215_M90R1CLD125+000T00:00:00	000T02:00:00	2015-125T21:10:00	ISS_NAC TO TITAN	POS_Z TO 38.1/83.4	
TITAN FLYBY T111 SEGMENT		2015-127T04:15:00		002T04:00:00	2015-129T08:15:00			
SP_215TI_WAYPTTURN127_PRIME	M	2015-127T04:15:00		000T00:40:00	2015-127T04:55:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2015-127T04:55:00		001T13:20:00	2015-128T18:15:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_215TI_DEADTIME127_PRIME	M	2015-127T04:55:00		000T00:14:59	2015-127T05:09:59	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_215TI_MIDIRTMAP001_PRIME	I, M, V	2015-127T05:09:59	GMB_E215_TITAN_T111-000T17:40:25	000T04:40:25	2015-127T09:50:24	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A3: CIRS-ISS
CIRS_215TI_FIRNADCMP001_PRIME	I, M, U, V	2015-127T09:50:24	GMB_E215_TITAN_T111-000T13:00:00	000T04:00:00	2015-127T13:50:24	CIRS_FP1 TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2015-127T13:50:24	GMB_E215_TITAN_T111-000T09:00:00	000T00:00:01	2015-127T13:50:25			
VIMS_215TI_MEDRES001_PRIME	C, I, M	2015-127T13:50:24	GMB_E215_TITAN_T111-000T09:00:00	000T04:00:00	2015-127T17:50:24	VIMS_IR TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT VIMS_IR TO TITAN (0.0,0.0,-0.859 DEG. OFFSET), NEG_X TO NTP.
VIMS_215TI_REGMAP001_PRIME	C, I, M	2015-127T17:50:24	GMB_E215_TITAN_T111-000T05:00:00	000T02:45:00	2015-127T20:35:24	VIMS_IR TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS. PICK UP AT VIMS_IR TO TITAN (0.0,0.0,-0.859 DEG. OFFSET), NEG_X TO NTP; HAND OFF AT VIMS_IR TO TITAN (-0.286,0.0,-1.432 DEG. OFFSET), NEG_X TO NTP.
VIMS_215TI_HIRES001_PRIME	C, I, M	2015-127T20:35:24	GMB_E215_TITAN_T111-000T02:15:00	000T02:25:00	2015-127T23:00:24	VIMS_IR TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS PICK UP AT VIMS_IR TO TITAN (-0.286,0.0,-1.432 DEG. OFFSET), NEG_X TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 42.0/16.0.
BEGIN DUAL PLAYBACK SCIENCE		2015-127T22:20:24	GMB_E215_TITAN_T111-000T00:30:00	000T00:00:01	2015-127T22:20:25			
215TI (T) T111 TITAN INBOUN...		2015-127T22:50:24		000T00:00:01	2015-127T22:50:25			
END DUAL PLAYBACK SCIENCE		2015-127T23:00:24	GMB_E215_TITAN_T111+000T00:10:00	000T00:00:01	2015-127T23:00:25			
CIRS_215TI_FIRLMBT002_PRIME	M, V	2015-127T23:00:24	GMB_E215_TITAN_T111+000T00:10:00	000T00:35:00	2015-127T23:35:24	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO 42.0/16.0; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_215TI_FIRLMBEAER003_PRIME	M, V	2015-127T23:35:24	GMB_E215_TITAN_T111+000T00:45:00	000T00:30:00	2015-128T00:05:24	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_215TI_FIRLMBINT002_PRIME	I, M, V	2015-128T00:05:24	GMB_E215_TITAN_T111+000T01:15:00	000T01:00:00	2015-128T01:05:24	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_215TI_FIRNADMAP002_PRIME	M, V	2015-128T01:05:24	GMB_E215_TITAN_T111+000T02:15:00	000T02:45:00	2015-128T03:50:24	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_215TI_MIRLMBMAP002_PRIME	M, V	2015-128T03:50:24	GMB_E215_TITAN_T111+000T05:00:00	000T04:00:00	2015-128T07:50:24	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_215TI_FIRNADCMP002_PRIME	I, M, U, V	2015-128T07:50:24	GMB_E215_TITAN_T111+000T09:00:00	000T04:00:00	2015-128T11:50:24	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_215TI_MIDIRTMAP002_PRIME	I, M, V	2015-128T11:50:24	GMB_E215_TITAN_T111+000T13:00:00	000T05:29:35	2015-128T17:19:59	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NTP. TEMPLATE M4: CIRS-ISS
END CUSTOM PERIOD		2015-128T17:19:59	GMB_E215_TITAN_T111+000T18:29:35	000T00:00:01	2015-128T17:20:00			
SP_215TI_DEADTIME128_PRIME	M	2015-128T17:19:59	GMB_E215_TITAN_T111+000T18:29:35	000T00:15:01	2015-128T17:35:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_215EA_DLTURN128_PRIME	M	2015-128T17:35:00		000T00:40:00	2015-128T18:15:00	XBAND TO EARTH	POS_X TO NEP	
NEW WAYPOINT		2015-128T18:15:00		000T14:40:00	2015-129T08:55:00	XBAND TO EARTH	POS_X TO NEP	
ENGR_215SC_KPTYBIAS128_PRIME	M	2015-128T18:15:00		000T01:30:00	2015-128T19:45:00	POS_Z TO DELTA_H (0.0,0.0,60.002 DI	NEG_X TO SUN	
SP_215EA_M70METNON128_PRIME	C, M	2015-128T19:45:00		000T08:30:00	2015-129T04:15:00	XBAND TO EARTH	ROLLING/SRU	CAPS.POS_X TO 40.6/83.5 (NSP) OR NEP.SRU.
POINTER RESET IN PREPARATIO...		2015-129T04:15:00		000T00:00:01	2015-129T04:15:01			
SP_215EA_G70METNON129_PRIME	C, M	2015-129T04:15:00		000T04:00:00	2015-129T08:15:00	XBAND TO EARTH	POS_X TO NEP	CAPS.POS_X TO 40.6/83.5 (NSP) OR NEP.SRU.

ISS_216TI_M120R2HZ140_PRIME	C, V	2015-140T18:10:00	E216_M120R2HZ140+000T00:00:00	000T01:30:00	2015-140T19:40:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_216TI_M150R2HZ149_PRIME	C, V	2015-149T19:15:00	E216_M150R2HZ149+000T00:00:00	000T01:30:00	2015-149T20:45:00	ISS_NAC TO TITAN	NEG_X TO NSP	NO PREFERENCE TO SECONDARY POINTING
ISS_216TI_M120R2HZ155_PRIME	C, I, M, V	2015-155T10:20:00	E216_M120R2HZ155+000T00:00:00	000T01:30:00	2015-155T11:50:00	ISS_NAC TO TITAN	NEG_X TO 37.5/83.6	
RADAR_217TI_RADIOCAL018_PRIME	M	2015-160T03:00:00		000T02:00:00	2015-160T05:00:00	NEG_Z TO TITAN	NEG_X TO 37.5/83.6	
ISS_217TI_M150R2HZ160_PRIME	C, I, M, V	2015-160T16:30:00	E217_M150R2HZ160+000T00:00:00	000T01:30:00	2015-160T18:00:00	ISS_NAC TO TITAN	POS_Z TO 37.5/83.6	
ISS_217TI_M120R2HZ169_PRIME	C, V	2015-169T15:29:00		000T01:30:00	2015-169T16:59:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_217TI_M120R2HZ170_PRIME	C, V	2015-170T15:54:00	E217_M120R2HZ170+000T00:00:00	000T01:30:00	2015-170T17:24:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_218TI_M90R3CLD184_PRIME	V	2015-184T14:13:00		000T01:30:00	2015-184T15:43:00	ISS_NAC TO TITAN	NEG_X TO NSP	
TITAN FLYBY T112 SEGMENT		2015-187T11:32:00		001T23:52:00	2015-189T11:24:00			
SP_218TI_WAYPTTURN187_PRIME		2015-187T11:32:00		000T00:40:00	2015-187T12:12:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2015-187T12:12:00		001T13:46:00	2015-189T01:58:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_218TI_DEADTIME187_PRIME		2015-187T12:12:00		000T00:15:00	2015-187T12:27:00	NEG_Y TO TITAN	POS_X TO SC_RAM	
CIRS_218TI_MIDIRTMAP001_PRIME	I, V	2015-187T12:27:00	GMB_E218_TITAN_T112-000T19:42:51	000T06:42:51	2015-187T19:09:51	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS
CIRS_218TI_FIRNADCMPO01_PRIME	I, U, V	2015-187T19:09:51	GMB_E218_TITAN_T112-000T13:00:00	000T04:00:00	2015-187T23:09:51	CIRS_FP1 TO TITAN	PIC	
ISS_218TI_GLOBMAP001_PRIME	C, V	2015-187T23:09:51	GMB_E218_TITAN_T112-000T09:00:00	000T04:00:00	2015-188T03:09:51	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_218TI_REGMAP001_PRIME	C, V	2015-188T03:09:51	GMB_E218_TITAN_T112-000T05:00:00	000T02:45:00	2015-188T05:54:51	ISS_NAC TO TITAN	NEG_X TO NTP	
CIRS_218TI_FIRLMBINT001_PRIME	M, V	2015-188T05:54:51	GMB_E218_TITAN_T112-000T02:15:00	000T01:00:00	2015-188T06:54:51	CIRS_FP1 TO TITAN	PIC	
CIRS_218TI_FIRLMBAR001_PRIME	M, V	2015-188T06:54:51	GMB_E218_TITAN_T112-000T01:15:00	000T00:30:00	2015-188T07:24:51	CIRS_FP1 TO TITAN	PIC	
CIRS_218TI_FIRLMBT001_PRIME	M, V	2015-188T07:24:51	GMB_E218_TITAN_T112-000T00:45:00	000T00:45:00	2015-188T08:09:51	CIRS_FP1 TO TITAN	PIC	
218TI (T) T112 TITAN OUTBOU...		2015-188T08:09:51		000T00:00:01	2015-188T08:09:52			
CIRS_218TI_FIRLMBT002_PRIME	M, V	2015-188T08:09:51	GMB_E218_TITAN_T112+000T00:00:00	000T00:45:00	2015-188T08:54:51	CIRS_FP1 TO TITAN	PIC	
CIRS_218TI_FIRLMBAR002_PRIME	M, V	2015-188T08:54:51	GMB_E218_TITAN_T112+000T00:45:00	000T00:30:00	2015-188T09:24:51	CIRS_FP1 TO TITAN	PIC	
CIRS_218TI_FIRLMBINT002_PRIME	I, M, V	2015-188T09:24:51	GMB_E218_TITAN_T112+000T01:15:00	000T01:00:00	2015-188T10:24:51	CIRS_FP1 TO TITAN	PIC	
CIRS_218TI_FIRNADMAP002_PRIME	V	2015-188T10:24:51	GMB_E218_TITAN_T112+000T02:15:00	000T02:45:00	2015-188T13:09:51	CIRS_FP1 TO TITAN	PIC	
VIMS_218TI_MEDRES001_PRIME	C, I	2015-188T13:09:51	GMB_E218_TITAN_T112+000T05:00:00	000T04:00:00	2015-188T17:09:51	VIMS_IR TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS
CIRS_218TI_FIRNADCMPO02_PRIME	I, U, V	2015-188T17:09:51	GMB_E218_TITAN_T112+000T09:00:00	000T04:00:00	2015-188T21:09:51	CIRS_FP1 TO TITAN	PIC	
CIRS_218TI_MIDIRTMAP002_PRIME	I, V	2015-188T21:09:51	GMB_E218_TITAN_T112+000T13:00:00	000T03:53:09	2015-189T01:03:00	CIRS_FP1 TO TITAN	PIC	10-MINUTE ISS STARE AT THE END.
SP_218TI_DEADTIME189_PRIME		2015-189T01:03:00	GMB_E218_TITAN_T112+000T16:53:09	000T00:15:00	2015-189T01:18:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_218EA_DLTURN189_PRIME		2015-189T01:18:00		000T00:40:00	2015-189T01:58:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2015-189T01:58:00		000T09:51:00	2015-189T11:49:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
ENGR_218SC_KPITYBIAS189_PRIME		2015-189T01:58:00		000T01:30:00	2015-189T03:28:00	NEG_Z TO DELTA_H (0.0,0.0,-73.999 D	NEG_X TO SUN	
SP_218EA_C70METSEQ189_PRIME	C	2015-189T03:28:00		000T06:44:00	2015-189T10:12:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING	MIMI.NEG_Y TO SATURN (0,0,-9.5).POST-TOST FLYBY.
ISS_218TI_M180R2HZ191_PRIME	C, I, M, V	2015-191T14:23:00	E218_M180R2HZ191+000T00:00:00	000T01:30:00	2015-191T15:53:00	ISS_NAC TO TITAN	NEG_X TO 36.5/83.6	
ISS_219TI_M90R3CLD202_PRIME	C, I, V	2015-202T13:30:00	E219_M90R3CLD202+000T00:00:00	000T01:30:00	2015-202T15:00:00	ISS_NAC TO TITAN	NEG_X TO 36.5/83.6	
ISS_219TI_M90R3CLD203_PRIME	C, I, V	2015-203T13:15:00	E219_M90R3CLD203+000T00:00:00	000T01:30:00	2015-203T14:45:00	ISS_NAC TO TITAN	NEG_X TO 36.5/83.6	
CIRS_219TI_TEA001_PRIME	R	2015-204T13:06:00		000T13:20:00	2015-205T02:26:00	CIRS_FP1 TO TITAN	POS_Z TO NTP	
CIRS_219TI_TEA002_PRIME		2015-205T12:56:00		000T13:30:00	2015-206T02:26:00	CIRS_FP3 TO TITAN	POS_Z TO NTP	
ISS_219TI_M30R1CLD206_PRIME	C	2015-206T23:11:00	E219_M30R1CLD206+000T00:00:00	000T02:00:00	2015-207T01:11:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_220TI_M150R2HZ224_PRIME	C, I, M, V	2015-224T22:05:00	E220_M150R2HZ224+000T00:00:00	000T01:30:00	2015-224T23:35:00	ISS_NAC TO TITAN	POS_Z TO 188.351/66.656	
ISS_220TI_M150R2HZ226_PRIME	C, I, M, V	2015-226T11:35:00	E220_M150R2HZ226+000T00:00:00	000T01:30:00	2015-226T13:05:00	ISS_NAC TO TITAN	NEG_X TO 36.5/83.6	
ISS_220TI_M150R2HZ227_PRIME	C, I, M, V	2015-227T11:35:00	E220_M150R2HZ227+000T00:00:00	000T01:30:00	2015-227T13:05:00	ISS_NAC TO TITAN	NEG_X TO 29.992/77.684	
ISS_220TI_M120R2HZ232_PRIME	C, V	2015-231T16:13:00	E220_M120R2HZ232+000T00:00:00	000T01:30:00	2015-231T17:43:00	ISS_NAC TO TITAN	NEG_X TO 28.963/71.731	NO PREFERENCE TO SECONDARY POINTING
ISS_220TI_M120R2HZ233_PRIME	V	2015-233T11:47:00	E220_M120R2HZ233+000T00:00:00	000T01:30:00	2015-233T13:17:00	ISS_NAC TO TITAN	POS_Z TO 217.953/84.455	NO PREFERENCE TO SECONDARY POINTING
ISS_220TI_M120R2HZ234_PRIME	V	2015-234T11:32:00	E220_M120R2HZ234+000T00:00:00	000T01:30:00	2015-234T13:02:00	ISS_NAC TO TITAN	POS_Z TO NSP	

ISS_220TI_M120R2HZ236_PRIME	V	2015-236T11:32:00	E220_M120R2HZ236+000T00:00:00	000T01:30:00	2015-236T13:02:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_220TI_M150R2HZ238_PRIME	M, V	2015-238T04:22:00	E220_M150R2HZ238+000T00:00:00	000T01:30:00	2015-238T05:52:00	ISS_NAC TO TITAN	NEG_X TO SUN	NO PREFERENCE TO SECONDARY POINTING
ISS_221TI_M90R3CLD248_PRIME	C, V	2015-248T10:45:00	E221_M90R3CLD248+000T00:00:00	000T01:30:00	2015-248T12:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_221TI_M90R3CLD249_PRIME	C, V	2015-249T10:30:00	E221_M90R3CLD249+000T00:00:00	000T01:30:00	2015-249T12:00:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_222TI_M90R3CLD267_PRIME	C, I, V	2015-267T02:48:00	E222_M90R3CLD267+000T00:00:00	000T01:30:00	2015-267T04:18:00	ISS_NAC TO TITAN	NEG_X TO 66.683/38.489	
ISS_222TI_M90R2CLD269_PRIME	C, I, V	2015-269T08:45:00	E222_M90R2CLD269+000T00:00:00	000T01:30:00	2015-269T10:15:00	ISS_NAC TO TITAN	NEG_X TO 37.5/83.6	
ISS_222TI_SATCAL002_PRIME		2015-269T19:50:00		000T02:00:00	2015-269T21:50:00	ISS_NAC TO TITAN	NEG_X TO 37.5/83.6	MUST POINT WITHIN 15 DEG OF SATURN CENTER
TITAN FLYBY T113 SEGMENT		2015-270T08:33:00		002T19:44:00	2015-273T04:17:00			
SP_222TI_WAYPTTURN270_PRIME		2015-270T08:33:00		000T00:40:00	2015-270T09:13:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2015-270T09:13:00		000T12:49:00	2015-270T22:02:00	NEG_Y TO TITAN	NEG_X TO NTP	
ISS_222TI_CLOUD001_PRIME	V	2015-270T09:13:00		000T04:00:00	2015-270T13:13:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_222TI_CLOUD002_PRIME	V	2015-270T13:13:00		000T05:00:00	2015-270T18:13:00	ISS_NAC TO TITAN	NEG_X TO NTP	
RADAR_222TI_RADIOCAL132_PRIME		2015-270T18:13:00		000T02:00:00	2015-270T20:13:00	NEG_Z TO TITAN	NEG_X TO NTP	
ISS_222TI_CLOUD003_PRIME	V	2015-270T20:13:00		000T01:09:00	2015-270T21:22:00	ISS_NAC TO TITAN	NEG_X TO NTP	
SP_222EA_DLTURN270_PRIME		2015-270T21:22:00		000T00:40:00	2015-270T22:02:00	XBAND TO EARTH	NEG_X TO 310.0/43.0	
NEW WAYPOINT		2015-270T22:02:00		000T11:10:00	2015-271T09:12:00	XBAND TO EARTH	NEG_X TO 310.0/43.0	
SP_222EA_YGAP270_PRIME		2015-270T22:02:00		000T01:30:00	2015-270T23:32:00	XBAND TO EARTH	NEG_X TO 310.0/43.0	
SP_222EA_C34HEFNON270_PRIME		2015-270T23:32:00		000T09:00:00	2015-271T08:32:00	XBAND TO EARTH	NEG_X TO 310.0/43.0	CDA.NEG_X TO 310/43.
SP_222TI_WAYPTTURN271_PRIME		2015-271T08:32:00		000T00:40:00	2015-271T09:12:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2015-271T09:12:00		001T08:05:00	2015-272T17:17:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_222TI_DEADTIME271_PRIME		2015-271T09:12:00		000T00:14:58	2015-271T09:26:58	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_222TI_FIRNADCMP001_PRIME	I, U, V	2015-271T09:27:12	GMB_E222_TITAN_T113-000T12:10:00	000T02:10:00	2015-271T11:37:12	CIRS_FP1 TO TITAN	PIC	
ISS_222TI_MONITORA001_PRIME	C, V	2015-271T11:37:12	GMB_E222_TITAN_T113-000T10:00:00	000T01:00:00	2015-271T12:37:12	ISS_NAC TO TITAN	NEG_X TO NTP	
CIRS_222TI_MIRLMBMAP001_PRIME	V	2015-271T12:37:12	GMB_E222_TITAN_T113-000T09:00:00	000T04:00:00	2015-271T16:37:12	CIRS_FP1 TO TITAN	PIC	
BEGIN CUSTOM		2015-271T16:37:12	GMB_E222_TITAN_T113-000T05:00:00	000T00:00:01	2015-271T16:37:13			
CIRS_222TI_FIRNADMAP001_PRIME	V	2015-271T16:37:12	GMB_E222_TITAN_T113-000T05:00:00	000T03:00:00	2015-271T19:37:12	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NTP.
VIMS_222TI_REGMAP001_PRIME	C, I, M	2015-271T19:37:12	GMB_E222_TITAN_T113-000T02:00:00	000T01:00:00	2015-271T20:37:12	VIMS_IR TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO TITAN_SC_RAM.
INMS_222TI_TITAN113001_PRIME	M	2015-271T20:37:12	GMB_E222_TITAN_T113-000T01:00:00	000T00:25:00	2015-271T21:02:12	NEG_X TO TITAN_SC_RAM	NEG_Y TO TITAN	PICK UP AT NEG_Y TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Y TO TITAN.
ENGR_222SC_RADRCS271_PRIME	M	2015-271T21:02:12	GMB_E222_TITAN_T113-000T00:35:00	000T00:01:00	2015-271T21:03:12	NEG_X TO TITAN_SC_RAM	NEG_Y TO TITAN	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Y TO TITAN; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Y TO TITAN. DEADBAND = (0.5,0.5,2.0)
RADAR_222TI_T113INAL001_PRIME	M	2015-271T21:03:12	GMB_E222_TITAN_T113-000T00:34:00	000T00:16:00	2015-271T21:19:12	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Y TO TITAN; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
BEGIN DUAL PLAYBACK SCIENCE		2015-271T21:19:12	GMB_E222_TITAN_T113-000T00:18:00	000T00:00:01	2015-271T21:19:13			
RADAR_222TI_T113INSAR001_PRIME	M	2015-271T21:19:12	GMB_E222_TITAN_T113-000T00:18:00	000T00:18:00	2015-271T21:37:12	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN. INMS RIDE ALONG.
222TI (T) T113 TITAN INBOUN...		2015-271T21:37:12		000T00:00:01	2015-271T21:37:13			
RADAR_222TI_T113RASAR001_PRIME	M	2015-271T21:37:12	GMB_E222_TITAN_T113+000T00:00:00	000T00:15:00	2015-271T21:52:12	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM. RIDE-ALONG AT C/A.
END DUAL PLAYBACK SCIENCE		2015-271T21:52:12	GMB_E222_TITAN_T113+000T00:15:00	000T00:00:01	2015-271T21:52:13			
RADAR_222TI_T113OTAL001_PRIME	M	2015-271T21:52:12	GMB_E222_TITAN_T113+000T00:15:00	000T00:16:00	2015-271T22:08:12	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, POS_Y TO NTP.
ENGR_222SC_RADRWBIAS271_PPS	M	2015-271T22:08:12	GMB_E222_TITAN_T113+000T00:31:00	000T00:22:00	2015-271T22:30:12	NEG_Z TO TITAN	POS_Y TO NTP	PICK UP AT NEG_Z TO TITAN, POS_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, POS_Y TO NTP. DEADBAND=(2, 2, 20)

RADAR_222TI_T113OHSAR001_PRIME	M	2015-271T22:30:12	GMB_E222_TITAN_T113+000T00:53:00	000T00:44:00	2015-271T23:14:12	NEG_Z TO TITAN	POS_Y TO NTP	PICK UP AT NEG_Z TO TITAN, POS_Y TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 91.0/50.0.
CIRS_222TI_FIRLMBINT002_PRIME	M, V	2015-271T23:14:12	GMB_E222_TITAN_T113+000T01:37:00	000T00:53:00	2015-272T00:07:12	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO 91.0/50.0; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_222TI_FIRNADMAP002_PRIME	V	2015-272T00:07:12	GMB_E222_TITAN_T113+000T02:30:00	000T02:30:00	2015-272T02:37:12	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP2 TO TITAN, PIC.
CIRS_222TI_MIRLMBINT002_PRIME	I, V	2015-272T02:37:12	GMB_E222_TITAN_T113+000T05:00:00	000T04:00:00	2015-272T06:37:12	CIRS_FP2 TO TITAN	PIC	PICK UP AT CIRS_FP2 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_222TI_FIRNADCMP002_PRIME	I, U, V	2015-272T06:37:12	GMB_E222_TITAN_T113+000T09:00:00	000T04:00:00	2015-272T10:37:12	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP2 TO TITAN, PIC.
CIRS_222TI_MIDIRTMAP002_PRIME	I, V	2015-272T10:37:12	GMB_E222_TITAN_T113+000T13:00:00	000T05:44:46	2015-272T16:21:58	CIRS_FP2 TO TITAN	PIC	PICK UP AT CIRS_FP2 TO TITAN, PIC; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NTP.
END CUSTOM		2015-272T16:21:58	GMB_E222_TITAN_T113+000T18:44:46	000T00:00:01	2015-272T16:21:59			
SP_222TI_DEADTIME272_PRIME		2015-272T16:21:58	GMB_E222_TITAN_T113+000T18:44:46	000T00:15:01	2015-272T16:36:59	NEG_Y TO TITAN	NEG_X TO NTP	
SP_222EA_DLTURN272_PRIME		2015-272T16:37:00		000T00:40:00	2015-272T17:17:00	XBAND TO EARTH	POS_X TO 40.6/83.5	
NEW WAYPOINT		2015-272T17:17:00		000T11:40:00	2015-273T04:57:00	XBAND TO EARTH	POS_X TO 40.6/83.5	
SP_222EA_G70METNON272_PRIME	C, E, M	2015-272T19:07:00		000T06:55:00	2015-273T02:02:00	XBAND TO EARTH	POS_X TO 40.6/83.5	CAPS.POS_X TO 40.6/83.5.
POINTER RESET IN PREPARATIO...		2015-273T02:02:00		000T00:00:01	2015-273T02:02:01			
SP_222EA_C70METNON272_PRIME	C	2015-273T02:02:00		000T02:15:00	2015-273T04:17:00	XBAND TO EARTH	POS_X TO 40.6/83.5	CAPS.POS_X TO 40.6/83.5 (NSP) OR NEP.SRU.
ISS_223TI_M90R3CLD281_PRIME	C, I, M, V	2015-281T08:30:00	E223_M90R3CLD281+000T00:00:00	000T01:30:00	2015-281T10:00:00	ISS_NAC TO TITAN	POS_Z TO 35.8/83.8	
ISS_223TI_M90R3CLD282_PRIME	C, I, M, V	2015-282T08:16:00	E223_M90R3CLD282+000T00:00:00	000T01:30:00	2015-282T09:46:00	ISS_NAC TO TITAN	POS_Z TO 35.8/83.8	
ISS_223TI_M60R2CLD284_PRIME	C, I, V	2015-284T08:00:00	E223_M60R2CLD284+000T00:00:00	000T01:30:00	2015-284T09:30:00	ISS_NAC TO TITAN	NEG_X TO 99.452/33.436	
ISS_224TI_M90R3CLD297_PRIME	C, I, M, V	2015-297T07:40:00	E224_M90R3CLD297+000T00:00:00	000T01:30:00	2015-297T09:10:00	ISS_NAC TO TITAN	POS_Z TO 35.8/83.8	
ISS_224TI_M60R2CLD299_PRIME	C, I, V	2015-299T07:25:00	E224_M60R2CLD299+000T00:00:00	000T01:30:00	2015-299T08:55:00	ISS_NAC TO TITAN	NEG_X TO 35.8/83.8	
ISS_224TI_M60R2CLD300_PRIME	C, V	2015-300T02:30:00	E224_M60R2CLD300+000T00:00:00	000T01:30:00	2015-300T04:00:00	ISS_NAC TO TITAN	NEG_X TO 35.8/83.8	
ISS_224TI_M180R2HZ304_PRIME	C, V	2015-304T06:30:00		000T01:30:00	2015-304T08:00:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_224TI_M180R2HZ305_PRIME	C, V	2015-305T14:29:00		000T01:30:00	2015-305T15:59:00	ISS_NAC TO TITAN	NEG_X TO NSP	
TITAN FLYBY T114 SEGMENT		2015-316T05:59:00		002T01:30:00	2015-318T07:29:00			
SP_225TI_WAYPTTURN316_PRIME		2015-316T05:59:00		000T00:33:00	2015-316T06:32:00	NEG_Y TO TITAN	POS_X TO 300.0/50.0	
SP_225TI_WAYPTTURN416_PRIME		2015-316T06:32:00		000T00:11:00	2015-316T06:43:00	NEG_Y TO TITAN	NEG_X TO NSP	
NEW WAYPOINT		2015-316T06:43:00		001T10:46:00	2015-317T17:29:00	NEG_Y TO TITAN	NEG_X TO NSP	
SP_225TI_DEADTIME316_PRIME		2015-316T06:43:00		000T00:10:59	2015-316T06:53:59	NEG_Y TO TITAN	NEG_X TO NSP	
CIRS_225TI_MIDIRTMAP001_PRIME	I, V	2015-316T06:53:59	GMB_E225_TITAN_T114-000T22:52:32	000T08:52:32	2015-316T15:46:31	CIRS_FP2 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRS-ISS
VIMS_225TI_GLOBMAP001_PRIME	C, I	2015-316T15:46:31	GMB_E225_TITAN_T114-000T14:00:00	000T05:00:00	2015-316T20:46:31	VIMS_IR TO TITAN	NEG_X TO NSP	COLLABORATIVE RIDER(S): ISS
CIRS_225TI_MIRLMBMAP001_PRIME	V	2015-316T20:46:31	GMB_E225_TITAN_T114-000T09:00:00	000T04:00:00	2015-317T00:46:31	CIRS_FP2 TO TITAN	PIC	
VIMS_225TI_REGMAP001_PRIME	C, I	2015-317T00:46:31	GMB_E225_TITAN_T114-000T05:00:00	000T02:45:00	2015-317T03:31:31	VIMS_IR TO TITAN	NEG_X TO NSP	
ISS_225TI_HIRES001_PRIME	C, M, V	2015-317T03:31:31	GMB_E225_TITAN_T114-000T02:15:00	000T02:30:00	2015-317T06:01:31	ISS_NAC TO TITAN	NEG_X TO NSP	WAYPOINT CIRS SECONDARY IF POSSIBLE HAND OFF AT WAYPOINT
225TI (T) T114 TITAN OUTBOU...		2015-317T05:46:32		000T00:00:01	2015-317T05:46:33			
CIRS_225TI_FIRLMBAPER002_PRIME	E, M, V	2015-317T06:01:31	GMB_E225_TITAN_T114+000T00:15:00	000T01:10:00	2015-317T07:11:31	CIRS_FP1 TO TITAN	PIC	
CIRS_225TI_FIRLMBINT002_PRIME	M, V	2015-317T07:11:31	GMB_E225_TITAN_T114+000T01:25:00	000T00:50:00	2015-317T08:01:31	CIRS_FP1 TO TITAN	PIC	
UVIS_225TI_EUVFUV001_PRIME	C, I, V	2015-317T08:01:31	GMB_E225_TITAN_T114+000T02:15:00	000T06:45:00	2015-317T14:46:31	UVIS_FUV TO TITAN	NEG_X TO NTP	
VIMS_225TI_GLOBMAP002_PRIME	C, I	2015-317T14:46:31	GMB_E225_TITAN_T114+000T09:00:00	000T01:47:28	2015-317T16:33:59	VIMS_IR TO TITAN	NEG_X TO NSP	
SP_225TI_DEADTIME317_PRIME		2015-317T16:33:59	GMB_E225_TITAN_T114+000T10:47:28	000T00:15:00	2015-317T16:48:59			
SP_225SA_DLTURN317_PRIME		2015-317T16:49:00		000T00:40:00	2015-317T17:29:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O NEG_Y TO SATURN		
NEW WAYPOINT		2015-317T17:29:00		000T14:41:00	2015-318T08:10:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C NEG_Y TO SATURN		
SP_225EA_YGAP317_PRIME		2015-317T17:29:00		000T02:00:00	2015-317T19:29:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O NEG_Y TO SATURN		
SP_225EA_C70METSEQ317_PRIME	C	2015-317T19:29:00		000T08:00:00	2015-318T03:29:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O ROLLING		MIMI.NEG_Y TO SATURN (0,0,-9.5).
RADAR_225TI_RADIOMCAL022_PRIME	M	2015-318T16:30:00		000T02:00:00	2015-318T18:30:00	NEG_Z TO TITAN	NEG_X TO 41.1/84.9	
ISS_225TI_M150R2HZ321_PRIME	C, I, M, V	2015-321T05:50:00	E225_M150R2HZ321+000T00:00:00	000T01:30:00	2015-321T07:20:00	ISS_NAC TO TITAN	NEG_X TO 158.349/80.12	

ISS_226TI_M120R2HZ329_PRIME	C, M, V	2015-329T07:44:00	E226_M120R2HZ329+000T00:00:00	000T01:30:00	2015-329T09:14:00	ISS_NAC TO TITAN	XBAND TO EARTH	NO PREFERENCE TO SECONDARY POINTING
ISS_227TI_M150R2HZ337_PRIME	C, M, V	2015-337T06:30:00	E227_M150R2HZ337+000T00:00:00	000T01:30:00	2015-337T08:00:00	ISS_NAC TO TITAN	NEG_X TO 41.2/84.9	
ISS_227TI_M150R2HZ339_PRIME	C, I, V	2015-338T16:15:00	E227_M150R2HZ339+000T00:00:00	000T01:30:00	2015-338T17:45:00	ISS_NAC TO TITAN	NEG_X TO 33.224/79.94	
ISS_227TI_M150R2HZ341_PRIME	C, I, M, V	2015-341T15:10:00	E227_M150R2HZ341+000T00:00:00	000T01:30:00	2015-341T16:40:00	ISS_NAC TO TITAN	NEG_X TO 41.3/84.9	
ISS_228TI_M90R1CLD350_PRIME	C, I, M, V	2015-350T04:14:00	E228_M90R1CLD350+000T00:00:00	000T02:00:00	2015-350T06:14:00	ISS_NAC TO TITAN	POS_Z TO 41.3/84.9	
ISS_228TI_LRMONITOR002_PRIME	C, M, V	2015-351T04:15:00		000T05:00:00	2015-351T09:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRS. MUST POINT AT OR NEAR TITAN
ISS_228TI_LRMONITOR001_PIE	C, M, V	2015-351T09:35:00		000T08:00:00	2015-351T17:35:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRS. MUST POINT AT OR NEAR TITAN CUSTOM HANDOFF PER RBOT
VIMS_228TI_RXLEPOCC001_PIE	M	2015-351T17:35:00		000T01:25:00	2015-351T19:00:00	VIMS_IR TO 77.845/-11.849	NEG_X TO 34.748/74.133	CUSTOM PICKUP PER RBOT. MUST POINT AT OR NEAR TITAN
ISS_229TI_M90R3CLD361_PRIME	C, M, V	2015-361T20:44:00	E229_M90R3CLD361+000T00:00:00	000T02:00:00	2015-361T22:44:00	ISS_NAC TO TITAN	XBAND TO EARTH	NO PREFERENCE TO SECONDARY POINTING
ISS_229TI_M90R3CLD362_PRIME	C, M, V	2015-362T21:00:00	E229_M90R3CLD362+000T00:00:00	000T01:30:00	2015-362T22:30:00	ISS_NAC TO TITAN	NEG_X TO 76.121/71.727	
ISS_229TI_M60R2CLD364_PRIME	C, V	2015-364T03:15:00	E229_M60R2CLD364+000T00:00:00	000T01:30:00	2015-364T04:45:00	ISS_NAC TO TITAN	NEG_X TO 99.34/67.54	
ISS_229TI_M30R1CLD365_PRIME	C, V	2015-365T03:40:00	E229_M30R1CLD365+000T00:00:00	000T02:00:00	2015-365T05:40:00	ISS_NAC TO TITAN	NEG_X TO SATURN	
ISS_229TI_M150R2HZ003_PRIME	C, V	2016-003T03:00:00	E229_M150R2HZ003+000T00:00:00	000T01:30:00	2016-003T04:30:00	ISS_NAC TO TITAN	NEG_X TO SATURN	
ISS_230TI_M90R3CLD011_PRIME	C, V	2016-011T02:30:00	E230_M90R3CLD011+000T00:00:00	000T01:30:00	2016-011T04:00:00	ISS_NAC TO TITAN	NEG_X TO SATURN	
ISS_230TI_M90R3CLD012_PRIME	C, V	2016-012T02:15:00	E230_M90R3CLD012+000T00:00:00	000T01:30:00	2016-012T03:45:00	ISS_NAC TO TITAN	NEG_X TO SATURN	
ISS_230TI_M60R2CLD013_PRIME	C, M, V	2016-013T02:16:00	E230_M60R2CLD013+000T00:00:00	000T01:30:00	2016-013T03:46:00	ISS_NAC TO TITAN	NEG_X TO 309.76/76.053	
TITAN FLYBY T115 SEGMENT		2016-015T12:01:00		001T16:00:00	2016-017T04:01:00			
SP_230TI_WAYPTTURN015_PRIME		2016-015T12:01:00		000T00:40:00	2016-015T12:41:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2016-015T12:41:00		001T02:20:00	2016-016T15:01:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_230TI_DEADTIME015_PRIME		2016-015T12:41:00		000T00:14:31	2016-015T12:55:31	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_230TI_FIRNADCMP001_PRIME	I, U, V	2016-015T12:55:31	GMB_E230_TITAN_T115-000T13:24:53	000T04:24:53	2016-015T17:20:24	CIRS_FP1 TO TITAN	PIC	
UVIS_230TI_EUVFUV001_PRIME	C, I, V	2016-015T17:20:24	GMB_E230_TITAN_T115-000T09:00:00	000T06:45:00	2016-016T00:05:24	UVIS_FUV TO TITAN	NEG_X TO NTP	
CIRS_230TI_FIRLMBINT001_PRIME	I, M, V	2016-016T00:05:24	GMB_E230_TITAN_T115-000T02:15:00	000T01:00:00	2016-016T01:05:24	CIRS_FP1 TO TITAN	PIC	
CIRS_230TI_FIRLMBAR004_PRIME	M, V	2016-016T01:05:24	GMB_E230_TITAN_T115-000T01:15:00	000T00:30:00	2016-016T01:35:24	CIRS_FP1 TO TITAN	PIC	
CIRS_230TI_FIRLMBT001_PRIME	M, V	2016-016T01:35:24	GMB_E230_TITAN_T115-000T00:45:00	000T00:45:00	2016-016T02:20:24	CIRS_FP1 TO TITAN	PIC	
230TI (T) T115 TITAN OUTBOU...		2016-016T02:20:24		000T00:00:01	2016-016T02:20:25			
CIRS_230TI_FIRLMBT002_PRIME	M, V	2016-016T02:20:24	GMB_E230_TITAN_T115+000T00:00:00	000T00:45:00	2016-016T03:05:24	CIRS_FP1 TO TITAN	PIC	
CIRS_230TI_FIRLMBAR005_PRIME	M, V	2016-016T03:05:24	GMB_E230_TITAN_T115+000T00:45:00	000T00:30:00	2016-016T03:35:24	CIRS_FP1 TO TITAN	PIC	
CIRS_230TI_FIRLMBINT002_PRIME	I, M, V	2016-016T03:35:24	GMB_E230_TITAN_T115+000T01:15:00	000T01:00:00	2016-016T04:35:24	CIRS_FP1 TO TITAN (0.0,-17.189,0.0 D	PIC	
CIRS_230TI_FIRNADMAP002_PRIME	V	2016-016T04:35:24	GMB_E230_TITAN_T115+000T02:15:00	000T02:45:00	2016-016T07:20:24	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): VIMS
CIRS_230TI_MIRLMBMAP002_PRIME	V	2016-016T07:20:24	GMB_E230_TITAN_T115+000T05:00:00	000T04:00:00	2016-016T11:20:24	CIRS_FPB TO TITAN	PIC	
VIMS_230TI_GLOBMAP001_PRIME	C, I	2016-016T11:20:24	GMB_E230_TITAN_T115+000T09:00:00	000T02:45:07	2016-016T14:05:31	VIMS_IR TO TITAN	NEG_X TO NTP	
SP_230TI_DEADTIME016_PRIME		2016-016T14:05:31	GMB_E230_TITAN_T115+000T11:45:07	000T00:15:29	2016-016T14:21:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_230EA_DLTURN016_PRIME		2016-016T14:21:00		000T00:40:00	2016-016T15:01:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2016-016T15:01:00		000T13:19:00	2016-017T04:20:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
ENGR_230SC_KPITYBIAS016_PRIME		2016-016T15:01:00		000T01:30:00	2016-016T16:31:00	NEG_Z TO DELTA_H (0.0,0.0,20.001 D)	NEG_X TO SUN	
SP_230EA_C70METNON016_PRIME	C	2016-016T16:31:00		000T11:30:00	2016-017T04:01:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING	MIMI.NEG_Y TO SATURN (0,0,-9.5).
ISS_230TI_M150R2HZ019_PRIME	C, M, V	2016-019T02:31:00	E230_M150R2HZ019+000T00:00:00	000T01:30:00	2016-019T04:01:00	ISS_NAC TO TITAN	POS_Z TO 68.2/87.1	
ISS_231TI_M90R3CLD026_PRIME	M, V	2016-026T19:20:00	E231_M90R3CLD026+000T00:00:00	000T01:30:00	2016-026T20:50:00	ISS_NAC TO TITAN	NEG_X TO 68.2/87.1	
ISS_231TI_M90R3CLD028_PRIME	C, M, V	2016-028T02:12:00	E231_M90R3CLD028+000T00:00:00	000T01:30:00	2016-028T03:42:00	ISS_NAC TO TITAN	POS_Z TO 69.2/87.3	
ISS_231TI_M60R3CLD029_PRIME	C, V	2016-029T01:57:00	E231_M60R3CLD029+000T00:00:00	000T01:30:00	2016-029T03:27:00	ISS_NAC TO TITAN	POS_Z TO 69.2/87.3	
ISS_231TI_M30R2CLD030_PRIME	C, V	2016-030T01:57:00	E231_M30R2CLD030+000T00:00:00	000T01:30:00	2016-030T03:27:00	ISS_NAC TO TITAN	NEG_X TO 69.2/87.3	

CIRS_232TI_FIRNADMAP002_PRIME	V	2016-048T02:28:41	GMB_E232_TITAN_T117+000T02:39:00	000T02:21:00	2016-048T04:49:41	CIRS_FP1 TO TITAN	PIC	PICK UP AT VIMS_IR TO TITAN, NEG_X TO NTP; HAND OFF AT CIRS_FP1 TO TITAN, PIC. PICKUP AT VIMS_IR TO TITAN, LAT_SSCLON 72.7N, LONGITUDE OFFSET -50 DEGREES; NEG_X TO NTP.
CIRS_232TI_MIRLMBMAP002_PRIME	V	2016-048T04:49:41	GMB_E232_TITAN_T117+000T05:00:00	000T04:00:00	2016-048T08:49:41	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_232TI_FIRNADCMP002_PRIME	I, U, V	2016-048T08:49:41	GMB_E232_TITAN_T117+000T09:00:00	000T02:00:00	2016-048T10:49:41	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_232TI_MIDIRMAP002_PRIME	I, V	2016-048T10:49:41	GMB_E232_TITAN_T117+000T11:00:00	000T04:00:19	2016-048T14:50:00	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT XBAND TO EARTH (0.0,0.0,-9.5 DEG. OFFSET), NEG_Y TO SATURN. TEMPLATE A3: ISS RIDER
END CUSTOM PERIOD		2016-048T14:50:00	GMB_E232_TITAN_T117+000T15:00:19	000T00:00:01	2016-048T14:50:01			
SP_232EA_C70METNON048_PRIME	C	2016-048T15:05:00		000T06:40:00	2016-048T21:45:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O ROLLING		MIMI.NEG_Y TO SATURN (0,0,-9.5).CIRS HEATING.
SP_232TI_WAYPTTURN049_PRIME		2016-049T01:05:00		000T00:40:00	2016-049T01:45:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2016-049T01:45:00		000T11:50:00	2016-049T13:35:00	NEG_Y TO TITAN	NEG_X TO NTP	
ISS_232TI_CLOUD001_PRIME	C, V	2016-049T01:45:00		000T04:00:00	2016-049T05:45:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_232TI_CLOUD002_PRIME	C, V	2016-049T05:45:00		000T03:10:00	2016-049T08:55:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_232TI_CLOUD003_PRIME	C, U, V	2016-049T08:55:00		000T01:00:00	2016-049T09:55:00	ISS_NAC TO TITAN	NEG_X TO NTP	
RADAR_232TI_RADIOCAL133_PRIME		2016-049T09:55:00		000T02:00:00	2016-049T11:55:00	NEG_Z TO TITAN	NEG_X TO NTP	
ISS_232TI_CLOUD004_PRIME	C, U, V	2016-049T11:55:00		000T01:00:00	2016-049T12:55:00	ISS_NAC TO TITAN	NEG_X TO NTP	
SP_232EA_DLTURN049_PRIME		2016-049T12:55:00		000T00:40:00	2016-049T13:35:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O NEG_Y TO SATURN		
NEW WAYPOINT		2016-049T13:35:00		000T11:05:00	2016-050T00:40:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C NEG_Y TO SATURN		
ENGR_232SC_KPTYBIAS049_PRIME		2016-049T13:35:00		000T01:30:00	2016-049T15:05:00	POS_Z TO DELTA_H (0.0,0.0,-41.0 DEG NEG_X TO SUN		
SP_232EA_C70METNON049_PRIME	C	2016-049T15:05:00		000T06:15:00	2016-049T21:20:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O ROLLING/SRU		MIMI.NEG_Y TO SATURN (0,0,-9.5).SRU.CIRS HEATING.
ISS_233TI_M90R3CLD059_PRIME	C, V	2016-059T17:40:00	E233_M90R3CLD059+000T00:00:00	000T01:30:00	2016-059T19:10:00	ISS_NAC TO TITAN	NEG_X TO 186.8/73.8	
ISS_233TI_M60R3CLD063_PRIME	C, V	2016-063T17:30:00	E233_M60R3CLD063+000T00:00:00	000T01:30:00	2016-063T19:00:00	ISS_NAC TO TITAN	POS_Z TO 287.227/37.505	
ISS_233TI_M30R2CLD065_PRIME	C, V	2016-066T00:00:00	E233_M30R2CLD065+000T00:00:00	000T01:30:00	2016-066T01:30:00	ISS_NAC TO TITAN	POS_Z TO 186.8/73.8	
CIRS_233TI_TEA001_PRIME	V	2016-066T16:00:00		000T08:00:00	2016-067T00:00:00	CIRS_FP1 TO TITAN	POS_Z TO NTP	
ISS_233TI_LRMONITOR001_PIE	V	2016-067T16:37:00		000T09:02:00	2016-068T01:39:00	ISS_NAC TO TITAN	POS_X TO NTP	PICK UP AT XBAND TO EARTH, NEG_X TO 320.0/45.0; HAND OFF AT ISS_NAC TO TITAN, POS_X TO NTP. PICK-UP AT XBAND TO EARTH, NEG_X TO 320/45. HAND-OFF AT NAC TO TITAN, POS_X TO NTP.
ISS_233TI_LRMONITOR002_PIE	V	2016-068T03:06:00		000T09:16:00	2016-068T12:22:00	ISS_NAC TO TITAN	NEG_X TO NTP	PICK UP AT ISS_NAC TO TITAN, NEG_X TO NTP; HAND OFF AT XBAND TO EARTH, NEG_X TO 320.0/45.0. PICK UP AT NAC TO TITAN, NEG_X TO NTP. HAND OFF AT XBAND TO EARTH, NEG_X TO 320/45.
ISS_233TI_M90R3CLD077_PRIME	V	2016-077T23:04:00	E233_M90R3CLD077+000T00:00:00	000T01:30:00	2016-078T00:34:00	ISS_NAC TO TITAN	POS_Z TO 112.091/72.703	
SP_233TI_WAYPTTURN081_PRIME	M	2016-081T07:54:00		000T00:20:00	2016-081T08:14:00	ISS_NAC TO TITAN	NEG_Z TO 63.86/-10.18	
ISS_233TI_M90R2CLD081_PRIME	C, M, V	2016-081T08:14:00	E233_M90R2CLD081+000T00:00:00	000T01:30:00	2016-081T09:44:00	ISS_NAC TO TITAN	NEG_Z TO 83.061/11.858	
ISS_234TI_M120R2HZ083_PRIME	C, V	2016-083T16:19:00	E234_M120R2HZ083+000T00:00:00	000T01:30:00	2016-083T17:49:00	ISS_NAC TO TITAN	POS_Z TO 179.336/59.825	
ISS_234TI_M90R3CLD089_PRIME	C, V	2016-089T15:45:00	E234_M90R3CLD089+000T00:00:00	000T01:30:00	2016-089T17:15:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_234TI_M60R3CLD091_PRIME	C, V	2016-091T15:51:00	E234_M60R3CLD091+000T00:00:00	000T01:30:00	2016-091T17:21:00	ISS_NAC TO TITAN	NEG_X TO 187.0/74.0	
ISS_234TI_M60R2CLD092_PRIME	C, V	2016-092T22:06:00	E234_M60R2CLD092+000T00:00:00	000T01:30:00	2016-092T23:36:00	ISS_NAC TO TITAN	NEG_X TO 187.0/74.0	
TITAN FLYBY T118 SEGMENT		2016-094T14:26:00		002T10:30:00	2016-097T00:56:00			
SP_234TI_WAYPTTURN094_PRIME		2016-094T14:26:00		000T00:40:00	2016-094T15:06:00	NEG_Y TO 81.283/6.35	NEG_X TO NEP	

NEW WAYPOINT		2016-094T15:06:00		000T04:51:00	2016-094T19:57:00	NEG_Y TO 81.283/6.35	NEG_X TO NEP	
UVIS_234ST_URGAMORIO01_PIE		2016-094T15:06:00		000T03:58:00	2016-094T19:04:00	UVIS_HSP TO 81.283/6.35	NEG_X TO NEP	PIE
SP_234TI_WAYPTTURN594_PRIME		2016-094T19:04:00		000T00:32:00	2016-094T19:36:00	NEG_Y TO 200.0/10.0	NEG_X TO NEP	
SP_234TI_WAYPTTURN694_PRIME		2016-094T19:36:00		000T00:21:00	2016-094T19:57:00	NEG_Y TO TITAN	NEG_X TO NEP	
NEW WAYPOINT		2016-094T19:57:00		001T17:29:00	2016-096T13:26:00	NEG_Y TO TITAN	NEG_X TO NEP	
SP_234TI_DEADTIME094_PRIME		2016-094T19:57:00		000T00:02:00	2016-094T19:59:00	NEG_Y TO TITAN	NEG_X TO NEP	
CIRS_234TI_MDIRTMAP001_PRIME	I, V	2016-094T19:59:00	GMB_E234_TITAN_T118-000T23:43:42	000T09:43:42	2016-095T05:42:42	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRS-ISS
CIRS_234TI_FIRNADCMP001_PRIME	I, U, V	2016-095T05:42:42	GMB_E234_TITAN_T118-000T14:00:00	000T05:00:00	2016-095T10:42:42	CIRS_FP1 TO TITAN	PIC	
UVIS_234TI_EUVFUV001_PRIME	C, I, V	2016-095T10:42:42	GMB_E234_TITAN_T118-000T09:00:00	000T06:45:00	2016-095T17:27:42	UVIS_FUV TO TITAN	NEG_X TO SUN	
ISS_234TI_REGMAP001_PRIME	C, M, V	2016-095T17:27:42	GMB_E234_TITAN_T118-000T02:15:00	000T00:49:00	2016-095T18:16:42	ISS_NAC TO TITAN	NEG_X TO NEP	
BEGIN CUSTOM		2016-095T18:16:42	GMB_E234_TITAN_T118-000T01:26:00	000T00:00:01	2016-095T18:16:43			
VIMS_234TI_REGMAP001_PRIME	M	2016-095T18:16:42	GMB_E234_TITAN_T118-000T01:26:00	000T00:41:00	2016-095T18:57:42	UVIS_SOL_OFF TO SUN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Y TO TITAN, NEG_X TO NEP; HAND OFF AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM.
UVIS_234SU_UTISUNOCC001_PRIME	C, I, M, V	2016-095T18:57:42	GMB_E234_TITAN_T118-000T00:45:00	000T00:15:00	2016-095T19:12:42	UVIS_SOL_OFF TO SUN	NEG_X TO TITAN_SC_RAM	PICK UP AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM; HAND OFF AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM.
BEGIN DUAL PLAYBACK SCIENCE		2016-095T19:12:42	GMB_E234_TITAN_T118-000T00:30:02	000T00:00:01	2016-095T19:12:41			
ENGR_234SC_ORSRCS095_PRIME	M, U, V	2016-095T19:12:42	GMB_E234_TITAN_T118-000T00:30:00	000T00:01:00	2016-095T19:13:42	UVIS_SOL_OFF TO SUN	NEG_X TO TITAN_SC_RAM	PICK UP AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM; HAND OFF AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM. DEADBAND=(0.5,0.5,0.5)
UVIS_234SU_UTISUNOCC005_PRIME	C, I, M, V	2016-095T19:13:42	GMB_E234_TITAN_T118-000T00:29:00	000T00:38:00	2016-095T19:51:42	UVIS_SOL_OFF TO SUN	NEG_X TO TITAN_SC_RAM	PICK UP AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM; HAND OFF AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM.
234TI (T) T118 TITAN OUTBOU...		2016-095T19:42:42		000T00:00:01	2016-095T19:42:43			
ENGR_234SC_DFPWBJAS095_PPS	C, I, M, U, V	2016-095T19:51:42	GMB_E234_TITAN_T118+000T00:09:00	000T00:21:05	2016-095T20:12:47	UVIS_SOL_OFF TO SUN	NEG_X TO TITAN_SC_RAM	PICK UP AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM; HAND OFF AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM. DEADBAND=(0.5,0.5,0.5) DURING SPINUP FOR UVIS
UVIS_234SU_UTISUNOCC006_PRIME	C, I, M, V	2016-095T20:13:42	GMB_E234_TITAN_T118+000T00:31:00	000T00:34:00	2016-095T20:47:42	UVIS_SOL_OFF TO SUN	NEG_X TO TITAN_SC_RAM	PICK UP AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM; HAND OFF AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM.
END DUAL PLAYBACK SCIENCE		2016-095T20:27:42	GMB_E234_TITAN_T118+000T00:45:00	000T00:00:01	2016-095T20:27:43			
CIRS_234TI_FIRLMBCON002_PRIME	I, M, V	2016-095T20:47:42	GMB_E234_TITAN_T118+000T01:05:00	000T01:10:00	2016-095T21:57:42	CIRS_FP1 TO TITAN	PIC	PICK UP AT UVIS_SOL_OFF TO SUN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NEP.
END CUSTOM		2016-095T21:57:42	GMB_E234_TITAN_T118+000T02:15:00	000T00:00:01	2016-095T21:57:43			
UVIS_234TI_EUVFUV002_PRIME	C, I, V	2016-095T21:57:42	GMB_E234_TITAN_T118+000T02:15:00	000T06:45:00	2016-096T04:42:42	UVIS_FUV TO TITAN	NEG_X TO SUN	
VIMS_234TI_GLOBMAP001_PRIME	C, I	2016-096T04:42:42	GMB_E234_TITAN_T118+000T09:00:00	000T04:00:00	2016-096T08:42:42	VIMS_IR TO TITAN	NEG_X TO NEP	
VIMS_234TI_GLOBMAP002_PRIME	C, I	2016-096T08:42:42	GMB_E234_TITAN_T118+000T13:00:00	000T03:48:18	2016-096T12:31:00	VIMS_IR TO TITAN	NEG_X TO NEP	COLLABORATIVE RIDER(S): ISS
SP_234TI_DEADTIME096_PRIME		2016-096T12:31:00	GMB_E234_TITAN_T118+000T16:48:18	000T00:15:00	2016-096T12:46:00	NEG_Y TO TITAN	NEG_X TO NEP	
SP_234EA_DLTURNO96_PRIME		2016-096T12:46:00		000T00:40:00	2016-096T13:26:00	XBAND TO EARTH	NEG_X TO 270.0/68.0	
NEW WAYPOINT		2016-096T13:26:00		000T11:55:00	2016-097T01:21:00	XBAND TO EARTH	NEG_X TO 270.0/68.0	
SP_234EA_C70METNON096_PRIME	C	2016-096T13:26:00		000T07:50:00	2016-096T21:16:00	XBAND TO EARTH	NEG_X TO 270.0/68.0	
POINTER RESET IN PREPARATIO...		2016-096T21:16:00		000T00:00:01	2016-096T21:16:01			
SP_234EA_M70METNON096_PRIME		2016-096T22:56:00		000T02:00:00	2016-097T00:56:00	XBAND TO EARTH	NEG_X TO 270.0/68.0	
ISS_234TI_M150R2HZ098_PRIME	C, I, V	2016-098T21:30:00	E234_M150R2HZ098+000T00:00:00	000T01:30:00	2016-098T23:00:00	ISS_NAC TO TITAN	NEG_X TO 189.4/66.9	
ISS_234TI_M90R3CLD107_PRIME	C, V	2016-107T14:30:00	E234_M90R3CLD107+000T00:00:00	000T01:30:00	2016-107T16:00:00	ISS_NAC TO TITAN	NEG_X TO 189.4/66.9	
ISS_235TI_M60R3CLD110_PRIME	C, I, M, V	2016-110T14:28:00	E235_M60R3CLD110+000T00:00:00	000T01:30:00	2016-110T15:58:00	ISS_NAC TO TITAN	POS_Z TO 189.3/66.9	
ISS_235TI_M60R3CLD112_PRIME	C, M, V	2016-112T14:23:00	E235_M60R3CLD112+000T00:00:00	000T01:30:00	2016-112T15:53:00	ISS_NAC TO TITAN	POS_Z TO 189.3/66.9	
ISS_235TI_M60R3CLD114_PRIME	C, V	2016-114T20:53:00	E235_M60R3CLD114+000T00:00:00	000T01:30:00	2016-114T22:23:00	ISS_NAC TO TITAN	NEG_X TO 189.3/66.9	
ISS_235TI_M90R3CLD118_PRIME	C, V	2016-118T14:08:00	E235_M90R3CLD118+000T00:00:00	000T01:30:00	2016-118T15:38:00	ISS_NAC TO TITAN	NEG_X TO 88.251/9.968	
ISS_235TI_M60R3CLD121_PRIME	C, I, V	2016-121T13:40:00	E235_M60R3CLD121+000T00:00:00	000T01:30:00	2016-121T15:10:00	ISS_NAC TO TITAN	NEG_X TO 189.3/66.9	
ISS_235TI_M60R3CLD123_PRIME	C, V	2016-123T13:35:00	E235_M60R3CLD123+000T00:00:00	000T01:30:00	2016-123T15:05:00	ISS_NAC TO TITAN	NEG_X TO 189.3/66.9	

TITAN FLYBY T119 SEGMENT		2016-126T19:14:00		003T00:00:00	2016-129T19:14:00			
SP_235TI_WAYPTTURN126_PRIME		2016-126T19:14:00		000T00:40:00	2016-126T19:54:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2016-126T19:54:00		001T14:20:00	2016-128T10:14:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_235TI_DEADTIME126_PRIME		2016-126T19:54:00		000T00:08:51	2016-126T20:02:51	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_235TI_MIDIRTMAP001_PRIME	I, V	2016-126T20:02:51	GMB_E235_TITAN_T119-000T20:51:46	000T06:51:46	2016-127T02:54:37	CIRS_FP1 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS
ISS_235TI_MONITORNA001_PRIME	C, U, V	2016-127T02:54:37	GMB_E235_TITAN_T119-000T14:00:00	000T02:00:00	2016-127T04:54:37	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_235TI_FIRNADCMP001_PRIME	I, U, V	2016-127T04:54:37	GMB_E235_TITAN_T119-000T12:00:00	000T03:00:00	2016-127T07:54:37	CIRS_FP1 TO TITAN	PIC	
CIRS_235TI_MIRLMBMAP001_PRIME	V	2016-127T07:54:37	GMB_E235_TITAN_T119-000T09:00:00	000T04:00:00	2016-127T11:54:37	CIRS_FP1 TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2016-127T11:54:37	GMB_E235_TITAN_T119-000T05:00:00	000T00:00:01	2016-127T11:54:38			
CIRS_235TI_FIRNADMAP001_PRIME	V	2016-127T11:54:37	GMB_E235_TITAN_T119-000T05:00:00	000T02:42:00	2016-127T14:36:37	CIRS_FP1 TO TITAN	NEG_Z TO EARTH	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_Z TO EARTH.
ENGR_235SC_ORSRCS127_PRIME	R	2016-127T14:36:37	GMB_E235_TITAN_T119-000T02:18:00	000T00:01:00	2016-127T14:37:37	NEG_Y TO TITAN	NEG_Z TO EARTH	PICK UP AT NEG_Y TO TITAN, NEG_Z TO EARTH; HAND OFF AT NEG_Y TO TITAN, NEG_Z TO EARTH. DEADBAND = (0.5,2,0.5) FOR CIRS
CIRS_235TI_FIRLMBINT001_PRIME	I, M, R, V	2016-127T14:37:37	GMB_E235_TITAN_T119-000T02:17:00	000T01:02:00	2016-127T15:39:37	CIRS_FP1 TO TITAN	NEG_Z TO EARTH	COLLABORATIVE RIDER(S): MIMI. PICK UP AT NEG_Y TO TITAN, NEG_Z TO EARTH; HAND OFF AT CIRS_FP1 TO TITAN, NEG_Z TO EARTH. COLLABORATIVE RIDER(S): MIMI
CIRS_235TI_FIRLMBEAER001_PRIME	M, R, V	2016-127T15:39:37	GMB_E235_TITAN_T119-000T01:15:00	000T00:30:00	2016-127T16:09:37	CIRS_FP1 TO TITAN	NEG_Z TO EARTH	COLLABORATIVE RIDER(S): MIMI. PICK UP AT CIRS_FP1 TO TITAN, NEG_Z TO EARTH; HAND OFF AT CIRS_FP1 TO TITAN, NEG_Z TO EARTH. COLLABORATIVE RIDER(S): MIMI
CIRS_235TI_FIRLMBT001_PRIME	M, R, V	2016-127T16:09:37	GMB_E235_TITAN_T119-000T00:45:00	000T00:30:00	2016-127T16:39:37	CIRS_FP1 TO TITAN	NEG_Z TO EARTH	COLLABORATIVE RIDER(S): MIMI. PICK UP AT CIRS_FP1 TO TITAN, NEG_Z TO EARTH; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO EARTH. COLLABORATIVE RIDER(S): MIMI
SET DEADBAND TO (2,2,2) TO ...		2016-127T16:39:27	GMB_E235_TITAN_T119-000T00:15:10	000T00:01:00	2016-127T16:40:27			DEADBAND = (2.0, 2.0, 2.0)
INMS_235TI_TITAN119001_PRIME	C, M, R	2016-127T16:39:37	GMB_E235_TITAN_T119-000T00:15:00	000T00:23:39	2016-127T17:03:16	NEG_X TO TITAN_SC_RAM	XBAND TO EARTH	COLLABORATIVE RIDER(S): MIMI. PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO EARTH; HAND OFF AT XBAND TO EARTH (12.0,8.5,-6.5 DEG. OFFSET), NEG_X TO TITAN_SC_RAM. COLLABORATIVE RIDER(S): MIMI. USE MIMI- PREFERRED SECONDARY NEG_Z TO EARTH
235TI (T) T119 TITAN OUTBOU...		2016-127T16:54:37		000T00:00:01	2016-127T16:54:38			
SET DEADBAND TO (0.5,0.5,2)...		2016-127T17:03:06	GMB_E235_TITAN_T119+000T00:08:29	000T00:01:00	2016-127T17:04:06			DEADBAND = (0.5, 0.5, 2.0)
RSS_235TI_OCC001_PRIME	C, M	2016-127T17:03:16	LUB_E235_TITAN_T119+000T00:08:39	000T00:18:21	2016-127T17:21:37	XBAND TO EARTH	NEG_X TO TITAN_SC_RAM	COLLABORATIVE RIDER(S): MIMI. PICK UP AT XBAND TO EARTH (12.0,8.5,-6.5 DEG. OFFSET), NEG_X TO TITAN_SC_RAM; HAND OFF AT XBAND TO EARTH, NEG_X TO TITAN_SC_RAM. COLLABORATIVE RIDER(S): MIMI. RSS EGRESS OCCULTATION OF TITAN'S ATMOSPHERE
RSS_235TI_BISTATOUT001_PRIME	C, M	2016-127T17:21:37	LUB_E235_TITAN_T119+000T00:27:00	000T01:43:00	2016-127T19:04:37	XBAND TO TITAN	PIC	COLLABORATIVE RIDER(S): MIMI. PICK UP AT XBAND TO EARTH, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN. COLLABORATIVE RIDER(S): MIMI. EGRESS BISTATIC SURFACE SCATTERING OBSERVATION
END CUSTOM PERIOD		2016-127T19:04:37	GMB_E235_TITAN_T119+000T02:10:00	000T00:00:01	2016-127T19:04:38			
ENGR_235SC_DFPWBAS127_PPS	C, V	2016-127T19:04:37	GMB_E235_TITAN_T119+000T02:10:00	000T00:21:07	2016-127T19:25:44			DEADBAND: (2,2,2).
VIMS_235TI_REGMAP001_PRIME	C, I	2016-127T19:26:37	GMB_E235_TITAN_T119+000T02:32:00	000T02:28:00	2016-127T21:54:37	VIMS_IR TO TITAN	NEG_X TO SUN	
VIMS_235TI_MEDRES001_PRIME	C, I	2016-127T21:54:37	GMB_E235_TITAN_T119+000T05:00:00	000T04:00:00	2016-128T01:54:37	VIMS_IR TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): ISS
CIRS_235TI_FIRNADCMP002_PRIME	I, U, V	2016-128T01:54:37	GMB_E235_TITAN_T119+000T09:00:00	000T04:00:00	2016-128T05:54:37	CIRS_FP1 TO TITAN	PIC	
CIRS_235TI_MIDIRTMAP002_PRIME	I, V	2016-128T05:54:37	GMB_E235_TITAN_T119+000T13:00:00	000T03:24:23	2016-128T09:19:00	CIRS_FP1 TO TITAN	PIC	
SP_235TI_DEADTIME128_PRIME		2016-128T09:19:00	GMB_E235_TITAN_T119+000T16:24:23	000T00:15:00	2016-128T09:34:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_235EA_DLTURN128_PRIME		2016-128T09:34:00		000T00:40:00	2016-128T10:14:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O NEG_Y TO SATURN		
NEW WAYPOINT		2016-128T10:14:00		000T09:40:00	2016-128T19:54:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C NEG_Y TO SATURN		
SP_235EA_C70METNON128_PRIME	C	2016-128T10:14:00		000T07:20:00	2016-128T17:34:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O ROLLING/SRU		MIMI.NEG_Y TO SATURN (0,0,-9.5).SRU.
SP_235TI_WAYPTTURN128_PRIME		2016-128T19:14:00		000T00:40:00	2016-128T19:54:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2016-128T19:54:00		000T12:50:00	2016-129T08:44:00	NEG_Y TO TITAN	NEG_X TO NTP	
ISS_235TI_CLOUD001_PRIME	V	2016-128T19:54:00		000T04:00:00	2016-128T23:54:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_235TI_CLOUD002_PRIME	V	2016-128T23:54:00		000T04:10:00	2016-129T04:04:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_235TI_CLOUD003_PRIME	V	2016-129T04:04:00		000T01:00:00	2016-129T05:04:00	ISS_NAC TO TITAN	NEG_X TO NTP	
RADAR_235TI_RADIOCAL134_PRIME		2016-129T05:04:00		000T02:00:00	2016-129T07:04:00	NEG_Z TO TITAN	NEG_X TO NTP	

ISS_235TI_CLOUD004_PRIME	V	2016-129T07:04:00		000T01:00:00	2016-129T08:04:00	ISS_NAC TO TITAN	NEG_X TO NTP	
SP_235EA_DLTURN129_PRIME		2016-129T08:04:00		000T00:40:00	2016-129T08:44:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2016-129T08:44:00		000T10:41:00	2016-129T19:25:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
SP_235EA_YGAP129_PRIME		2016-129T08:44:00		000T01:30:00	2016-129T10:14:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
SP_235EA_C34BWGNON129_PRIME	C	2016-129T10:14:00		000T09:00:00	2016-129T19:14:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING/SRU	MIMI.NEG_Y TO SATURN (0,0,-9.5).SRU.
ISS_235TI_M90R3CLD137_PRIME	C, V	2016-137T18:30:00	E235_M90R3CLD137+000T00:00:00	000T02:00:00	2016-137T20:30:00	ISS_NAC TO TITAN	NEG_Z TO 62.733/-29.802	NO PREFERENCE TO SECONDARY POINTING
ISS_235TI_M60R3CLD140_PRIME	C, V	2016-140T12:25:00	E235_M60R3CLD140+000T00:00:00	000T01:30:00	2016-140T13:55:00	ISS_NAC TO TITAN	NEG_X TO 190.7/59.7	
ISS_236TI_M60R3CLD142_PRIME	C, V	2016-142T12:25:00	E236_M60R3CLD142+000T00:00:00	000T01:30:00	2016-142T13:55:00	ISS_NAC TO TITAN	NEG_X TO 190.7/59.7	
ISS_236TI_M60R3CLD146_PRIME	V	2016-146T18:40:00	E236_M60R3CLD146+000T00:00:00	000T01:30:00	2016-146T20:10:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_236TI_M60R3CLD152_PRIME	V	2016-152T03:40:00	E236_M60R3CLD152+000T00:00:00	000T01:30:00	2016-152T05:10:00	ISS_NAC TO TITAN	POS_Z TO 190.7/59.7	
ISS_236TI_M60R3CLD153_PRIME	V	2016-153T03:30:00	E236_M60R3CLD153+000T00:00:00	000T01:30:00	2016-153T05:00:00	ISS_NAC TO TITAN	POS_Z TO 190.7/59.7	
ISS_236TI_M30R2CLD155_PRIME	C, V	2016-156T01:00:00	E236_M30R2CLD155+000T00:00:00	000T01:30:00	2016-156T02:30:00	ISS_NAC TO TITAN	NEG_X TO 142.802/44.18	PICK UP AT ISS_NAC TO TITAN, NEG_X TO 142.802/44.18; HAND OFF AT XBAND TO EARTH, NEG_Y TO SATURN.
ISS_236TI_M60R2CLD156_PRIME	C, V	2016-156T17:55:00	E236_M60R2CLD156+000T00:00:00	000T01:30:00	2016-156T19:25:00	ISS_NAC TO TITAN	NEG_X TO 353.619/50.393	
TITAN FLYBY T120 SEGMENT		2016-159T02:45:00		002T07:45:00	2016-161T10:30:00			
SP_236TI_WAYPTTURN159_PRIME		2016-159T02:45:00		000T00:40:00	2016-159T03:25:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2016-159T03:25:00		001T04:35:00	2016-160T08:00:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_236TI_DEADTIME159_PRIME		2016-159T03:25:00		000T00:08:39	2016-159T03:33:39			
CIRS_236TI_FIRNADCMP001_PRIME	I, U, V	2016-159T03:33:39	GMB_E236_TITAN_T120-000T10:32:38	000T01:32:38	2016-159T05:06:17	CIRS_FP1 TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2016-159T03:39:59	GMB_E236_TITAN_T120-000T10:26:18	000T00:00:01	2016-159T03:40:00			
CIRS_236TI_MIRLMBINT001_PRIME	I, V	2016-159T05:06:17	GMB_E236_TITAN_T120-000T09:00:00	000T04:00:00	2016-159T09:06:17	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT CIRS_FP1 TO TITAN, NEG_X TO NTP.
CIRS_236TI_FIRNADMAP001_PRIME	V	2016-159T09:06:17	GMB_E236_TITAN_T120-000T05:00:00	000T02:30:00	2016-159T11:36:17	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, NEG_X TO NTP; HAND OFF AT CIRS_FP1 TO TITAN, NEG_X TO NTP.
CIRS_236TI_FIRLMBINT001_PRIME	I, M, V	2016-159T11:36:17	GMB_E236_TITAN_T120-000T02:30:00	000T01:15:00	2016-159T12:51:17	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, NEG_X TO NTP; HAND OFF AT CIRS_FP1 TO TITAN, PIC. HANDOFF AT CIRS_FP1 TO TITAN, LAT_VIEW, 51S, 90 DEGREES, LHS, 225 KM ALTITUDE; POS_Z TO TITAN FOV_LIMB, 51S, LHS
ENGR_236SC_RADRCS159_PRIME	M	2016-159T12:51:17	GMB_E236_TITAN_T120-000T01:15:00	000T00:01:00	2016-159T12:52:17	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC. DEADBAND = (0.5,2.0,0.5)
CIRS_236TI_FIRLMBAR002_PRIME	M, V	2016-159T12:52:17	GMB_E236_TITAN_T120-000T01:14:00	000T00:44:00	2016-159T13:36:17	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP. PICKUP AT CIRS_FP1 TO TITAN, LAT_VIEW, 51S, 90 DEGREES, LHS, 225 KM ALTITUDE; POS_Z TO TITAN FOV_LIMB, 51S, LHS. HANDOFF AT NEG_Z TO TITAN, NEG_X TO NTP.
SWITCH FROM (0.5,2.0,0.5) FOR...		2016-159T13:35:17	GMB_E236_TITAN_T120-000T00:31:00	000T00:01:00	2016-159T13:36:17			DEADBAND = (0.5, 0.5, 2.0)
RADAR_236TI_T120INSAR001_PRIME	M	2016-159T13:36:17	GMB_E236_TITAN_T120-000T00:30:00	000T00:12:00	2016-159T13:48:17	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
BEGIN DUAL PLAYBACK SCIENCE		2016-159T13:48:17	GMB_E236_TITAN_T120-000T00:18:00	000T00:00:01	2016-159T13:48:18			
RADAR_236TI_T120INSAR001_PRIME	M	2016-159T13:48:17	GMB_E236_TITAN_T120-000T00:18:00	000T00:18:00	2016-159T14:06:17	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN. INMS RIDE ALONG.
236TI (T) T120 TITAN OUTBOU...		2016-159T14:06:17		000T00:00:01	2016-159T14:06:18			

RADAR_236TI_T120TRAS001_PRIME	M	2016-159T14:06:17	GMB_E236_TITAN_T120+000T00:00:00	000T00:15:00	2016-159T14:21:17	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	COLLABORATIVE RIDER(S): INMS. PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN. COLLABORATIVE RIDER(S): INMS. RIDE ALONG AT C/A.
END DUAL PLAYBACK SCIENCE		2016-159T14:21:17	GMB_E236_TITAN_T120+000T00:15:00	000T00:00:01	2016-159T14:21:18			
RADAR_236TI_T120OTAL001_PRIME	M	2016-159T14:21:17	GMB_E236_TITAN_T120+000T00:15:00	000T00:15:00	2016-159T14:36:17	NEG_Z TO TITAN	NEG_Y TO NTP	PICK UP AT NEG_X TO TITAN_SC_RAM, NEG_Z TO TITAN; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NTP.
ENGR_236SC_RADRWBIAS159_PPS	M	2016-159T14:36:17	GMB_E236_TITAN_T120+000T00:30:00	000T00:22:00	2016-159T14:58:17	NEG_Z TO TITAN	NEG_Y TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NTP.
RADAR_236TI_T120OHSAR001_PRIME	M	2016-159T14:58:17	GMB_E236_TITAN_T120+000T00:52:00	000T00:45:00	2016-159T15:43:17	NEG_Z TO TITAN	NEG_Y TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_Y TO NTP.
RADAR_236TI_T120OTSCT001_PRIME	M	2016-159T15:43:17	GMB_E236_TITAN_T120+000T01:37:00	000T00:38:00	2016-159T16:21:17	NEG_Z TO TITAN	NEG_Y TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_Y TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NTP.
END CUSTOM PERIOD		2016-159T16:21:17	GMB_E236_TITAN_T120+000T02:15:00	000T00:00:01	2016-159T16:21:18			
CIRS_236TI_FIRNADMAP002_PRIME	V	2016-159T16:21:17	GMB_E236_TITAN_T120+000T02:15:00	000T02:45:00	2016-159T19:06:17	CIRS_FP1 TO TITAN	PIC	
CIRS_236TI_MIRLMBMAP002_PRIME	V	2016-159T19:06:17	GMB_E236_TITAN_T120+000T05:00:00	000T04:00:00	2016-159T23:06:17	CIRS_FPB TO TITAN	PIC	
CIRS_236TI_FIRNADCMP002_PRIME	I, U, V	2016-159T23:06:17	GMB_E236_TITAN_T120+000T09:00:00	000T04:00:00	2016-160T03:06:17	CIRS_FP1 TO TITAN	PIC	
CIRS_236TI_MIDIRMAP002_PRIME	I, V	2016-160T03:06:17	GMB_E236_TITAN_T120+000T13:00:00	000T03:52:22	2016-160T06:58:39	CIRS_FPB TO TITAN	PIC	TEMPLATE
SP_236TI_DEADTIME160_PRIME		2016-160T06:58:39	GMB_E236_TITAN_T120+000T16:52:22	000T00:21:20	2016-160T07:19:59	NEG_Y TO TITAN		
SP_236EA_DLTURN160_PRIME		2016-160T07:20:00		000T00:40:00	2016-160T08:00:00	XBAND TO EARTH	NEG_Y TO 153.0/-20.0	
NEW WAYPOINT		2016-160T08:00:00		000T09:40:00	2016-160T17:40:00	XBAND TO EARTH	NEG_Y TO 153.0/-20.0	
SP_236EA_C70METNON160_PRIME	C	2016-160T08:00:00		000T06:30:00	2016-160T14:30:00	XBAND TO EARTH	NEG_Y TO 153.0/-20.0	MIMI.NEG_Y TO SATURN (0,0,-9.5).SRU.POST-TOST FLYBY.
POINTER RESET IN PREPARATIO...		2016-160T17:00:00		000T01:00:00	2016-160T18:00:00			
SP_236TI_WAYPTTURN160_PRIME		2016-160T17:00:00		000T02:40:00	2016-160T19:40:00	NEG_Y TO TITAN	NEG_X TO NSP	
NEW WAYPOINT		2016-160T17:40:00		000T06:35:00	2016-161T00:15:00	NEG_Y TO TITAN	NEG_X TO NSP	
ISS_236TI_CLOUD001_PRIME	C, V	2016-160T17:40:00		000T02:55:00	2016-160T20:35:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_236TI_CLOUD002_PRIME	C, V	2016-160T20:35:00		000T02:00:00	2016-160T22:35:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_236TI_CLOUD003_PRIME	C, V	2016-160T22:35:00		000T01:00:00	2016-160T23:35:00	ISS_NAC TO TITAN	NEG_X TO NSP	
SP_236EA_DLTURN460_PRIME		2016-160T23:35:00		000T00:40:00	2016-161T00:15:00	XBAND TO EARTH (0,0,0,0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2016-161T00:15:00		000T10:35:00	2016-161T10:50:00	XBAND TO EARTH (0,0,0,0,-9.5 DEG. C	NEG_Y TO SATURN	
ENGR_236SC_KPTYBIAS161_PRIME		2016-161T00:15:00		000T01:30:00	2016-161T01:45:00	NEG_Z TO DELTA_H (0,0,0,0,-82.002 D	NEG_X TO SUN	
SP_236EA_G70METNON161_PRIME	C	2016-161T01:45:00		000T08:45:00	2016-161T10:30:00	XBAND TO EARTH (0,0,0,0,-9.5 DEG. O	ROLLING/SRU	MIMI.NEG_Y TO SATURN (0,0,-9.5).SRU.
ISS_236TI_M120R2HZ162_PRIME	C, I, V	2016-162T10:35:00	E236_M120R2HZ162+000T00:00:00	000T01:30:00	2016-162T12:05:00	ISS_NAC TO TITAN	NEG_X TO 191.4/52.8	
ISS_237TI_M90R3CLD170_PRIME	C, V	2016-170T16:45:00	E237_M90R3CLD170+000T00:00:00	000T01:30:00	2016-170T18:15:00	ISS_NAC TO TITAN	POS_Z TO 191.4/52.8	
ISS_237TI_M60R3CLD172_PRIME	C, V	2016-172T16:35:00	E237_M60R3CLD172+000T00:00:00	000T01:30:00	2016-172T18:05:00	ISS_NAC TO TITAN	NEG_X TO 191.4/52.8	
ISS_237TI_M30R3CLD174_PRIME	C, V	2016-174T16:30:00	E237_M30R3CLD174+000T00:00:00	000T01:30:00	2016-174T18:00:00	ISS_NAC TO TITAN	NEG_X TO 191.4/52.8	
ISS_237TI_M30R3CLD176_PRIME	C, V	2016-176T16:30:00	E237_M30R3CLD176+000T00:00:00	000T01:30:00	2016-176T18:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_237TI_M60R3CLD191_PRIME	M, V	2016-191T08:54:00	E237_M60R3CLD191+000T00:00:00	000T01:30:00	2016-191T10:24:00	ISS_NAC TO TITAN	POS_Z TO 191.3/52.8	
ISS_238TI_M60R2CLD193_PRIME	M, V	2016-193T08:53:00	E238_M60R2CLD193+000T00:00:00	000T01:30:00	2016-193T10:23:00	ISS_NAC TO TITAN	POS_Z TO 191.3/52.8	
ISS_238TI_M90R2CLD196_PRIME	C, V	2016-196T22:53:00	E238_M90R2CLD196+000T00:00:00	000T01:30:00	2016-197T00:23:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_238TI_M90R3CLD198_PRIME	C, V	2016-198T14:53:00	E238_M90R3CLD198+000T00:00:00	000T01:30:00	2016-198T16:23:00	ISS_NAC TO TITAN	POS_Z TO 191.3/52.8	
ISS_238TI_M90R1CLD206_PRIME		2016-206T08:29:00		000T02:00:00	2016-206T10:29:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T121 SEGMENT		2016-206T23:27:00		002T14:00:00	2016-209T13:27:00			
SP_238TI_WAYPTTURN207_PRIME		2016-206T23:27:00		000T00:40:00	2016-207T00:07:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2016-207T00:07:00		001T04:20:00	2016-208T04:27:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_238TI_DEADTIME207_PRIME		2016-207T00:07:00		000T00:08:43	2016-207T00:15:43	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_238TI_MIRLMBINT002_PRIME	I, V	2016-207T00:15:43	GMB_E238_TITAN_T121-000T09:42:40	000T04:42:40	2016-207T04:58:23	CIRS_FPB TO TITAN	PIC	
CIRS_238TI_FIRNADMAP001_PRIME	V	2016-207T04:58:23	GMB_E238_TITAN_T121-000T05:00:00	000T02:45:00	2016-207T07:43:23	CIRS_FP1 TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2016-207T07:43:23	GMB_E238_TITAN_T121-000T02:15:00	000T00:00:01	2016-207T07:43:24			

VIMS_238TI_30HEROCC001_PRIME	I, M	2016-207T07:43:23	GMB_E238_TITAN_T121-000T02:15:00	000T01:09:00	2016-207T08:52:23	VIMS_IR TO 247.16/41.882	NEG_X TO NTP	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT VIMS_IR TO 247.16/41.882, NEG_X TO NTP. PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HANDOFF AT VIMS_IR TO 247.16/41.882, NEG_X TO NTP
ENGR_238SC_RADRC5207_PRIME	M	2016-207T08:53:23	GMB_E238_TITAN_T121-000T01:05:00	000T00:01:00	2016-207T08:54:23	VIMS_IR TO 247.16/41.882	NEG_X TO NTP	PICK UP AT VIMS_IR TO 247.16/41.882, NEG_X TO NTP; HAND OFF AT VIMS_IR TO 247.16/41.882, NEG_X TO NTP. DEADBAND = (0.5,0.5,2.0)
RADAR_238TI_T121IHSAR001_PRIME	M	2016-207T08:54:23	GMB_E238_TITAN_T121-000T01:04:00	000T00:34:00	2016-207T09:28:23	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT VIMS_IR TO 247.16/41.882, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP.
RADAR_238TI_T121INALT001_PRIME	M	2016-207T09:28:23	GMB_E238_TITAN_T121-000T00:30:00	000T00:12:00	2016-207T09:40:23	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
BEGIN DUAL PLAYBACK SCIENCE		2016-207T09:40:23	GMB_E238_TITAN_T121-000T00:18:00	000T00:00:01	2016-207T09:40:24			
RADAR_238TI_T121IOSAR001_PRIME	M	2016-207T09:40:23	GMB_E238_TITAN_T121-000T00:18:00	000T00:36:00	2016-207T10:16:23	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM.
238TI (T) T121 TITAN OUTBOU...		2016-207T09:58:23		000T00:00:01	2016-207T09:58:24			
END DUAL PLAYBACK SCIENCE		2016-207T10:16:23	GMB_E238_TITAN_T121+000T00:18:00	000T00:00:01	2016-207T10:16:24			
RADAR_238TI_T121OTALT001_PRIME	M	2016-207T10:16:23	GMB_E238_TITAN_T121+000T00:18:00	000T00:12:00	2016-207T10:28:23	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO TITAN_SC_RAM; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP.
ENGR_238SC_RADRWBIAS207_PPS	M	2016-207T10:28:23	GMB_E238_TITAN_T121+000T00:30:00	000T00:22:00	2016-207T10:50:23	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP.
RADAR_238TI_T121OHSAR001_PRIME	M	2016-207T10:50:23	GMB_E238_TITAN_T121+000T00:52:00	000T00:45:00	2016-207T11:35:23	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Z TO TITAN, NEG_X TO NTP.
RADAR_238TI_T121OTSCT001_PRIME	M	2016-207T11:35:23	GMB_E238_TITAN_T121+000T01:37:00	000T00:38:00	2016-207T12:13:23	NEG_Z TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Z TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NTP.
END CUSTOM PERIOD		2016-207T12:13:23	GMB_E238_TITAN_T121+000T02:15:00	000T00:00:01	2016-207T12:13:24			
VIMS_238TI_REGMAP001_PRIME	C, I	2016-207T12:13:23	GMB_E238_TITAN_T121+000T02:15:00	000T02:45:00	2016-207T14:58:23	VIMS_IR TO TITAN	NEG_X TO NTP	
VIMS_238TI_MEDRES001_PRIME	C, I	2016-207T14:58:23	GMB_E238_TITAN_T121+000T05:00:00	000T04:00:00	2016-207T18:58:23	VIMS_IR TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS
CIRS_238TI_FIRNADCMPO02_PRIME	I, U, V	2016-207T18:58:23	GMB_E238_TITAN_T121+000T09:00:00	000T03:30:00	2016-207T22:28:23	CIRS_FP1 TO TITAN	PIC	TEMPLATE A2: CIRS-ISS
CIRS_238TI_MIDIRTMPO02_PRIME	I, V	2016-207T22:28:23	GMB_E238_TITAN_T121+000T12:30:00	000T05:03:37	2016-208T03:32:00	CIRS_FP2 TO TITAN	PIC	
SP_238TI_DEADTIME208_PRIME		2016-208T03:32:00	GMB_E238_TITAN_T121+000T17:33:37	000T00:15:00	2016-208T03:47:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_238EA_DLTURN208_PRIME		2016-208T03:47:00		000T00:40:00	2016-208T04:27:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2016-208T04:27:00		000T09:40:00	2016-208T14:07:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
SP_238EA_C70METNON208_PRIME	C	2016-208T04:27:00		000T06:30:00	2016-208T10:57:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING/SRU	MIMI.NEG_Y TO SATURN (0,0,-9.5).SRU.
POINTER RESET IN PREPARATIO...		2016-208T10:57:00		000T00:00:01	2016-208T10:57:01			
SP_238TI_WAYPTTURN208_PRIME		2016-208T13:27:00		000T00:40:00	2016-208T14:07:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2016-208T14:07:00		000T10:50:00	2016-209T00:57:00	NEG_Y TO TITAN	NEG_X TO NTP	
ISS_238TI_CLOUD001_PRIME	C, U, V	2016-208T14:07:00		000T04:40:00	2016-208T18:47:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_238TI_CLOUD002_PRIME	C, V	2016-208T18:47:00		000T04:30:00	2016-208T23:17:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_238TI_CLOUD003_PRIME	C, V	2016-208T23:17:00		000T01:00:00	2016-209T00:17:00	ISS_NAC TO TITAN	NEG_X TO NTP	
SP_238EA_DLTURN209_PRIME		2016-209T00:17:00		000T00:40:00	2016-209T00:57:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2016-209T00:57:00		000T12:53:00	2016-209T13:50:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
SP_238EA_YGAP209_PRIME		2016-209T00:57:00		000T01:30:00	2016-209T02:27:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
SP_238EA_G70METNON209_PRIME	C	2016-209T02:27:00		000T02:00:00	2016-209T04:27:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	MIMI.NEG_Y TO SATURN (0,0,-9.5).SRU.
SP_238EA_C34BWGNON209_PRIME	C	2016-209T04:27:00		000T06:45:00	2016-209T11:12:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING/SRU	MIMI.NEG_Y TO SATURN (0,0,-9.5).SRU.
ISS_238TI_M120R2HZ211_PRIME	C, M, V	2016-211T14:07:00	E238_M120R2HZ211+000T00:00:00	000T01:30:00	2016-211T15:37:00	ISS_NAC TO TITAN	POS_Z TO 151.65/34.881	
ISS_239TI_M90R3CLD216_PRIME	C, V	2016-216T13:51:00	E239_M90R3CLD216+000T00:00:00	000T01:30:00	2016-216T15:21:00	ISS_NAC TO TITAN	POS_Z TO 191.8/46.6	
ISS_239TI_M90R3CLD217_PRIME	C, V	2016-217T13:36:00	E239_M90R3CLD217+000T00:00:00	000T01:30:00	2016-217T15:06:00	ISS_NAC TO TITAN	POS_Z TO 191.8/46.6	
ISS_239TI_M60R2CLD218_PRIME	C, V	2016-218T13:36:00	E239_M60R2CLD218+000T00:00:00	000T01:30:00	2016-218T15:06:00	ISS_NAC TO TITAN	POS_Z TO 289.185/21.409	
TITAN FLYBY T122 SEGMENT		2016-222T22:10:00		001T14:15:00	2016-224T12:25:00			
SP_239EA_WAYPTTURN222_PRIME	R	2016-222T22:25:00		000T00:40:00	2016-222T23:05:00	XBAND TO EARTH	NEG_X TO 123.0/-57.0	
NEW WAYPOINT		2016-222T23:05:00		001T04:20:00	2016-224T03:25:00	XBAND TO EARTH	NEG_X TO 123.0/-57.0	
SP_239EA_DEADTIME222_PRIME	M, R	2016-222T23:05:00		000T00:08:38	2016-222T23:13:38	XBAND TO EARTH	NEG_X TO 123.0/-57.0	COLLABORATIVE RIDER(S): CDA
SP_239EA_G34BWGNON222_PRIME	M, R	2016-222T23:13:38	GMB_E239_TITAN_T122-000T09:17:15	000T06:56:22	2016-223T06:10:00	XBAND TO EARTH	NEG_X TO 123.0/-57.0	COLLABORATIVE RIDER(S): CDA, RSS

SP_239EA_C34BWGNON223_PRIME	M, R	2016-223T06:10:00	GMB_E239_TITAN_T122-000T02:20:53	000T08:14:00	2016-223T14:24:00	XBAND TO EARTH	NEG_X TO 123.0/-57.0	COLLABORATIVE RIDER(S): CDA, RSS
239TI (T) T122 TITAN OUTBOU...		2016-223T08:30:53		000T00:00:01	2016-223T08:30:54			
SP_239EA_M34BWGNON223_PRIME	M, R	2016-223T14:24:00	GMB_E239_TITAN_T122+000T05:53:07	000T06:06:53	2016-223T20:30:53	XBAND TO EARTH	NEG_X TO 123.0/-57.0	COLLABORATIVE RIDER(S): CDA, RSS
ISS_239TI_MONITORNA001_PRIME	C, M, U, V	2016-223T20:30:53	GMB_E239_TITAN_T122+000T12:00:00	000T05:59:07	2016-224T02:30:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CDA
SP_239EA_DEADTIME224_PRIME		2016-224T02:30:00	GMB_E239_TITAN_T122+000T17:59:07	000T00:15:00	2016-224T02:45:00	XBAND TO EARTH	NEG_X TO 123.0/-57.0	
SP_239EA_DLTURN224_PRIME		2016-224T02:45:00		000T00:40:00	2016-224T03:25:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2016-224T03:25:00		000T09:30:00	2016-224T12:55:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
SP_239EA_C70METNON224_PRIME	C, R	2016-224T04:25:00		000T05:30:00	2016-224T09:55:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O 5_HR_ROLLING		MIMI.NEG_Y TO SATURN (0.0,-9.5).SRU.CIRS HEATING.
ISS_240TI_M120R2HZ227_PRIME	C, V	2016-227T12:50:00	E240_M120R2HZ227+000T00:00:00	000T01:30:00	2016-227T14:20:00	ISS_NAC TO TITAN	POS_Z TO 192.0/42.0	
ISS_240TI_M120R2HZ228_PRIME	C, V	2016-228T12:49:00	E240_M120R2HZ228+000T00:00:00	000T01:30:00	2016-228T14:19:00	ISS_NAC TO TITAN	POS_Z TO 192.0/42.0	
ISS_240TI_M120R2HZ230_PRIME	C, V	2016-230T12:49:00	E240_M120R2HZ230+000T00:00:00	000T01:30:00	2016-230T14:19:00	ISS_NAC TO TITAN	POS_X TO 178.673/40.196	
ISS_240TI_M150R2HZ233_PRIME	C, V	2016-233T12:24:00		000T01:30:00	2016-233T13:54:00	ISS_NAC TO TITAN	POS_X TO 232.72/28.899	
ISS_240TI_M90R2CLD236_PRIME	E, V	2016-236T08:43:00	E240_M90R2CLD236+000T00:00:00	000T01:30:00	2016-236T10:13:00	ISS_NAC TO TITAN	POS_Z TO 212.25/78.696	
CIRS_241TI_TEA002_PRIME	V	2016-240T11:23:00		001T11:20:00	2016-241T22:43:00	CIRS_FP3 TO TITAN	NEG_Z TO SUN	
RADAR_241TI_RADIOCALO43_PRIME		2016-241T22:43:00		000T02:00:00	2016-242T00:43:00	NEG_Z TO TITAN	NEG_X TO 55.0/-10.0	
ISS_242TI_M30R2CLD254_PRIME	C, V	2016-254T11:01:00	E242_M30R2CLD254+000T00:00:00	000T01:30:00	2016-254T12:31:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_242TI_M150R2HZ258_PRIME	C, V	2016-258T10:45:00	E242_M150R2HZ258+000T00:00:00	000T01:30:00	2016-258T12:15:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_243TI_M90R3CLD265_PRIME	C, V	2016-265T10:14:00	E243_M90R3CLD265+000T00:00:00	000T01:30:00	2016-265T11:44:00	ISS_NAC TO TITAN	POS_Z TO 191.8/42.0	
ISS_243TI_M60R2CLD267_PRIME	V	2016-267T10:14:00	E243_M60R2CLD267+000T00:00:00	000T01:30:00	2016-267T11:44:00	ISS_NAC TO TITAN	NEG_X TO SUN	
TITAN FLYBY T123 SEGMENT		2016-270T09:19:00		002T23:59:00	2016-273T09:18:00			
SP_243TI_WAYPTTURN270_PRIME		2016-270T09:19:00		000T00:40:00	2016-270T09:59:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2016-270T09:59:00		001T12:49:00	2016-271T22:48:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_243TI_DEADTIME270_PRIME		2016-270T09:59:00		000T00:08:58	2016-270T10:07:58	NEG_Y TO TITAN	NEG_X TO SUN	
CIRS_243TI_MIDIRTMAP001_PRIME	I, V	2016-270T10:07:58	GMB_E243_TITAN_T123-000T18:09:01	000T04:09:01	2016-270T14:16:59	CIRS_FP3 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRS-ISS
VIMS_243TI_GLOBMAP001_PRIME	C, I	2016-270T14:16:59	GMB_E243_TITAN_T123-000T14:00:00	000T05:00:00	2016-270T19:16:59	VIMS_IR TO TITAN	NEG_X TO SUN	
UVIS_243TI_EUVFUV001_PRIME	C, I, V	2016-270T19:16:59	GMB_E243_TITAN_T123-000T09:00:00	000T06:45:00	2016-271T02:01:59	UVIS_FUV TO TITAN	NEG_X TO SUN	
BEGIN CUSTOM PERIOD		2016-271T02:01:59	GMB_E243_TITAN_T123-000T02:15:00	000T00:00:01	2016-271T02:02:00			
VIMS_243TI_REGMAP001_PRIME	C, I, M	2016-271T02:01:59	GMB_E243_TITAN_T123-000T02:15:00	000T01:22:00	2016-271T03:23:59	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN.
BEGIN DUAL PLAYBACK SCIENCE		2016-271T03:23:59	GMB_E243_TITAN_T123-000T00:53:00	000T00:00:01	2016-271T03:24:00			
VIMS_243TI_ALPBOCC001_PRIME	C, I, M	2016-271T03:23:59	GMB_E243_TITAN_T123-000T00:53:00	000T00:33:00	2016-271T03:56:59	VIMS_IR TO 213.915/19.183	NEG_X TO SUN	PICK UP AT NEG_Y TO TITAN, NEG_X TO SUN; HAND OFF AT VIMS_IR TO TITAN, NEG_X TO SUN.
VIMS_243TI_HIRES001_PRIME	C, I, M	2016-271T03:56:59	GMB_E243_TITAN_T123-000T00:20:00	000T00:35:00	2016-271T04:31:59	VIMS_IR TO TITAN	NEG_X TO SUN	PICK UP AT VIMS_IR TO TITAN, NEG_X TO SUN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO 141.0/24.0.
243TI (T) T123 TITAN OUTBOU...		2016-271T04:16:59		000T00:00:01	2016-271T04:17:00			
END DUAL PLAYBACK SCIENCE		2016-271T04:31:59	GMB_E243_TITAN_T123+000T00:15:00	000T00:00:01	2016-271T04:32:00			
CIRS_243TI_FIRLMBT002_PRIME	M, V	2016-271T04:31:59	GMB_E243_TITAN_T123+000T00:15:00	000T00:30:00	2016-271T05:01:59	CIRS_FP1 TO TITAN	PIC	PICK UP AT NEG_Y TO TITAN, NEG_X TO 141.0/24.0; HAND OFF AT CIRS_FP1 TO TITAN, NEG_Z TO TITAN. HANDOFF AT CIRS_FP1 TO TITAN LAT_VIEW, 50N, 90 DEGREES, RHS, -120 KM ALTITUDE; NEG_Z TO TITAN FOV_LIMB, 50N, RHS
CIRS_243TI_FIRLMBR002_PRIME	M, V	2016-271T05:01:59	GMB_E243_TITAN_T123+000T00:45:00	000T00:30:00	2016-271T05:31:59	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, NEG_Z TO TITAN; HAND OFF AT CIRS_FP1 TO TITAN, NEG_Z TO TITAN. PICKUP AT CIRS_FP1 TO TITAN LAT_VIEW, 50N, 90 DEGREES, RHS, -120 KM ALTITUDE; NEG_Z TO TITAN FOV_LIMB, 50N, RHS. HANDOFF AT CIRS_FP1 TO TITAN LAT_VIEW, 50N, 90...

CIRS_243TI_FIRLMBWTR001_PRIME	M, V	2016-271T05:31:59	GMB_E243_TITAN_T123+000T01:15:00	000T01:00:00	2016-271T06:31:59	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, NEG_Z TO TITAN; HAND OFF AT NEG_Y TO TITAN, NEG_X TO SUN. PICKUP AT CIRS_FP1 TO TITAN LAT_VIEW, 50N, 90 DEGREES, RHS, 175 KM ALTITUDE; NEG_Z TO TITAN FOV_LIMB, 50N, RHS
END CUSTOM PERIOD		2016-271T06:31:59	GMB_E243_TITAN_T123+000T02:15:00	000T00:00:01	2016-271T06:32:00			
UVIS_243TI_EUVFUV002_PRIME	C, I, V	2016-271T06:31:59	GMB_E243_TITAN_T123+000T02:15:00	000T06:45:00	2016-271T13:16:59	UVIS_FUV TO TITAN	NEG_X TO SUN	
VIMS_243TI_GLOBMAP002_PRIME	C, I	2016-271T13:16:59	GMB_E243_TITAN_T123+000T09:00:00	000T08:36:01	2016-271T21:53:00	VIMS_IR TO TITAN	NEG_X TO SUN	
SP_243TI_DEADTIME271_PRIME		2016-271T21:53:00	GMB_E243_TITAN_T123+000T17:36:01	000T00:15:00	2016-271T22:08:00	NEG_Y TO TITAN	NEG_X TO SUN	
SP_243EA_DLTURN271_PRIME		2016-271T22:08:00		000T00:40:00	2016-271T22:48:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2016-271T22:48:00		000T12:10:00	2016-272T10:58:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
SP_243EA_YGAP271_PRIME		2016-271T22:48:00		000T01:30:00	2016-272T00:18:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
SP_243EA_C70METNON272_PRIME	C	2016-272T00:18:00		000T09:25:00	2016-272T09:43:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	MIMI.NEG_Y TO SATURN (0,0,-9.5).
POINTER RESET IN PREPARATIO...		2016-272T09:43:00		000T00:00:01	2016-272T09:43:01			
SP_243TI_WAYPTURN272_PRIME		2016-272T10:18:00		000T00:40:00	2016-272T10:58:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2016-272T10:58:00		000T09:20:00	2016-272T20:18:00	NEG_Y TO TITAN	NEG_X TO NTP	
ISS_243TI_CLOUD001_PRIME	U, V	2016-272T10:58:00		000T04:00:00	2016-272T14:58:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_243TI_CLOUD002_PRIME	V	2016-272T14:58:00		000T03:40:00	2016-272T18:38:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_243TI_CLOUD003_PRIME	V	2016-272T18:38:00		000T01:00:00	2016-272T19:38:00	ISS_NAC TO TITAN	NEG_X TO NTP	
SP_243EA_DLTURN272_PRIME		2016-272T19:38:00		000T00:40:00	2016-272T20:18:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2016-272T20:18:00		000T13:15:00	2016-273T09:33:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
ENGR_243SC_KPTYBIAS272_PRIME		2016-272T20:18:00		000T01:30:00	2016-272T21:48:00	POS_Z TO DELTA_H (0.0,0.0,-46.0 DEG	NEG_X TO SUN	
SP_243EA_G70METNON272_PRIME	C	2016-272T21:48:00		000T02:30:00	2016-273T00:18:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	MIMI.NEG_Y TO SATURN (0,0,-9.5).
SP_243EA_C34BWGNON273_PRIME	C	2016-273T00:18:00		000T09:00:00	2016-273T09:18:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	MIMI.NEG_Y TO SATURN (0,0,-9.5).
APOAPSE PER = 9.6 D, INC =...		2016-273T05:34:16		000T00:00:01	2016-273T05:34:17			
ISS_244TI_M120R2HZ275_PRIME	V	2016-275T09:03:00	E244_M120R2HZ275+000T00:00:00	000T02:30:00	2016-275T11:33:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_244TI_M180R2HZ279_PRIME	C, V	2016-279T22:17:00	E244_M180R2HZ279+000T00:00:00	000T01:30:00	2016-279T23:47:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_245TI_M90R2CLD284_PRIME	V	2016-284T02:42:00	E245_M90R2CLD284+000T00:00:00	000T01:30:00	2016-284T04:12:00	ISS_NAC TO TITAN	POS_Z TO 191.9/37.8	
ISS_245TI_M90R1CLD288_PRIME	V	2016-288T08:17:00	E245_M90R1CLD288+000T00:00:00	000T01:45:00	2016-288T10:02:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_245TI_M150R2HZ291_PRIME	I, V	2016-291T18:11:00	E245_M150R2HZ291+000T00:00:00	000T01:30:00	2016-291T19:41:00	ISS_NAC TO TITAN	POS_Z TO NSP	
ISS_246TI_M90R2CLD301_PRIME	I, V	2016-301T01:40:00	E246_M90R2CLD301+000T00:00:00	000T01:30:00	2016-301T03:10:00	ISS_NAC TO TITAN	POS_Z TO 191.8/37.8	
ISS_247TI_LRMONTOR001_PIE		2016-303T18:50:00		000T12:00:00	2016-304T06:50:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_248TI_M90R3CLD314_PRIME	C, V	2016-314T16:00:00	E248_M90R3CLD314+000T00:00:00	000T01:30:00	2016-314T17:30:00	ISS_NAC TO TITAN	POS_Z TO 191.9/38.7	
ISS_248TI_M60R2CLD315_PRIME	V	2016-315T07:09:00	E248_M60R2CLD315+000T00:00:00	000T01:30:00	2016-315T08:39:00	ISS_NAC TO TITAN	POS_Z TO 191.9/38.7	
TITAN FLYBY T124 SEGMENT		2016-318T06:29:00		002T23:45:00	2016-321T06:14:00			
SP_248TI_WAYPTURN318_PRIME		2016-318T06:29:00		000T00:40:00	2016-318T07:09:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2016-318T07:09:00		001T12:35:00	2016-319T19:44:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_248TI_DEADTIME318_PRIME		2016-318T07:09:00		000T00:15:00	2016-318T07:24:00	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_248TI_MIDIRTMAP001_PRIME	I, V	2016-318T07:24:00	GMB_E248_TITAN_T124-000T16:31:56	000T02:31:56	2016-318T09:55:56	CIRS_FP1 TO TITAN	PIC	TEMPLATE A2: CIRS-ISS
ISS_248TI_MONITORN001_PRIME	C, V	2016-318T09:55:56	GMB_E248_TITAN_T124-000T14:00:00	000T02:00:00	2016-318T11:55:56	ISS_NAC TO TITAN	NEG_X TO NTP	
CIRS_248TI_FIRNADCMP001_PRIME	I, U, V	2016-318T11:55:56	GMB_E248_TITAN_T124-000T12:00:00	000T03:00:00	2016-318T14:55:56	CIRS_FP1 TO TITAN	PIC	
BEGIN CUSTOM PERIOD		2016-318T14:55:56	GMB_E248_TITAN_T124-000T09:00:00	000T00:00:01	2016-318T14:55:57			
VIMS_248TI_GLOBMAP001_PRIME	C, I	2016-318T14:55:56	GMB_E248_TITAN_T124-000T09:00:00	000T04:00:00	2016-318T18:55:56	VIMS_IR TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT VIMS_IR TO TITAN, NEG_X TO NTP.
VIMS_248TI_REGMAP001_PRIME	C, I	2016-318T18:55:56	GMB_E248_TITAN_T124-000T05:00:00	000T01:34:00	2016-318T20:29:56	VIMS_IR TO TITAN	NEG_X TO NTP	PICK UP AT VIMS_IR TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_Z TO EARTH.
ENGR_248SC_ORSRCS318_PRIME	C	2016-318T20:29:56	GMB_E248_TITAN_T124-000T03:26:00	000T00:01:00	2016-318T20:30:56	NEG_Y TO TITAN	NEG_Z TO EARTH	PICK UP AT NEG_Y TO TITAN, NEG_Z TO EARTH; HAND OFF AT NEG_Y TO TITAN, NEG_Z TO EARTH. DEADBAND = (0.5,0.5,0.5) FOR VIMS & RSS
VIMS_248TI_REGMAP002_PRIME	C, I, R	2016-318T20:30:56	GMB_E248_TITAN_T124-000T03:25:00	000T00:42:00	2016-318T21:12:56	VIMS_IR TO TITAN	NEG_X TO NTP	PICK UP AT NEG_Y TO TITAN, NEG_Z TO EARTH; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NTP.

RSS_248TI_BISTATIC001_PRIME	M	2016-318T21:12:56	LUB_E248_TITAN_T124+000T02:43:00	000T04:53:00	2016-319T02:05:56	XBAND TO TITAN	POS_Y TO EARTH	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT XBAND TO EARTH, NEG_Y TO TITAN.
248TI (T) T124 TITAN OUTBOU...		2016-318T23:55:56		000T00:00:01	2016-318T23:55:57			
ENGR_248SC_DFPWBIA5318_PPS	V	2016-319T02:05:56	GMB_E248_TITAN_T124+000T02:10:00	000T00:21:07	2016-319T02:27:03	XBAND TO EARTH	NEG_Y TO TITAN	PICK UP AT XBAND TO EARTH, NEG_Y TO TITAN; HAND OFF AT XBAND TO EARTH, NEG_Y TO TITAN. DEADBAND: (0.5,2,0.5) FOR VIMS
CIRS_248TI_FIRNADMAP002_PRIME	V	2016-319T02:27:56	GMB_E248_TITAN_T124+000T02:32:00	000T02:28:00	2016-319T04:55:56	CIRS_FP1 TO TITAN	PIC	PICK UP AT XBAND TO EARTH, NEG_Y TO TITAN; HAND OFF AT CIRS_FP1 TO TITAN, NEG_X TO NTP.
CIRS_248TI_MIRLMBMAP002_PRIME	V	2016-319T04:55:56	GMB_E248_TITAN_T124+000T05:00:00	000T04:00:00	2016-319T08:55:56	CIRS_FP2 TO TITAN	PIC	COLLABORATIVE RIDER(S): VIMS. PICK UP AT CIRS_FP1 TO TITAN, NEG_X TO NTP; HAND OFF AT CIRS_FP1 TO TITAN, NEG_X TO NTP. COLLABORATIVE RIDER(S): VIMS. HANDOFF AT CIRS_FP1 TO TITAN LAT_SSCLOM, 60N, 0 OFFSET; NEG_X TO NTP
CIRS_248TI_FIRNADCMP002_PRIME	I, U, V	2016-319T08:55:56	GMB_E248_TITAN_T124+000T09:00:00	000T03:00:00	2016-319T11:55:56	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NTP. PICKUP AT CIRS_FP1 TO TITAN LAT_SSCLOM, 60N, 0 OFFSET; NEG_X TO NTP
END CUSTOM PERIOD		2016-319T11:55:56	GMB_E248_TITAN_T124+000T12:00:00	000T00:00:01	2016-319T11:55:57			
ISS_248TI_MONITORNA002_PRIME	C, V	2016-319T11:55:56	GMB_E248_TITAN_T124+000T12:00:00	000T02:00:00	2016-319T13:55:56	ISS_NAC TO TITAN	NEG_X TO NTP	
CIRS_248TI_MIDIRTMAP002_PRIME	I, V	2016-319T13:55:56	GMB_E248_TITAN_T124+000T14:00:00	000T04:53:04	2016-319T18:49:00	CIRS_FP2 TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRS-ISS
SP_248TI_DEADTIME319_PRIME		2016-319T18:49:00	GMB_E248_TITAN_T124+000T18:53:04	000T00:15:00	2016-319T19:04:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_248EA_DLTURN319_PRIME		2016-319T19:04:00		000T00:40:00	2016-319T19:44:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2016-319T19:44:00		000T12:10:00	2016-320T07:54:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
SP_248EA_C70METSEQ319_PRIME	C	2016-319T19:44:00		000T08:40:00	2016-320T04:24:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING	MIMI.NEG_Y TO SATURN (0,0,-9.5).
SP_248TI_WAYPTTURN320_PRIME		2016-320T07:14:00		000T00:40:00	2016-320T07:54:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2016-320T07:54:00		000T11:50:00	2016-320T19:44:00	NEG_Y TO TITAN	NEG_X TO NTP	
ISS_248TI_CLOUD001_PRIME	V	2016-320T07:54:00		000T04:00:00	2016-320T11:54:00	ISS_NAC TO TITAN	NEG_X TO NTP	
APOAPSE PER = 8.0 D, INC =...		2016-320T09:06:28		000T00:00:01	2016-320T09:06:29			
ISS_249TI_CLOUD002_PRIME	V	2016-320T11:54:00		000T04:10:00	2016-320T16:04:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_249TI_CLOUD003_PRIME	V	2016-320T16:04:00		000T00:30:00	2016-320T16:34:00	ISS_NAC TO TITAN	NEG_X TO NTP	
RADAR_249TI_RADIOCAL135_PRIME		2016-320T16:34:00		000T02:00:00	2016-320T18:34:00	NEG_Z TO TITAN	NEG_X TO NTP	
ISS_249TI_CLOUD004_PRIME	V	2016-320T18:34:00		000T00:30:00	2016-320T19:04:00	ISS_NAC TO TITAN	NEG_X TO NTP	
SP_249EA_DLTURN320_PRIME		2016-320T19:04:00		000T00:40:00	2016-320T19:44:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
NEW WAYPOINT		2016-320T19:44:00		000T11:10:00	2016-321T06:54:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C	NEG_Y TO SATURN	
SP_249EA_YGAP320_PRIME		2016-320T19:44:00		000T01:30:00	2016-320T21:14:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	NEG_Y TO SATURN	
SP_249EA_G34BWGSEQ320_PRIME		2016-320T21:14:00		000T02:00:00	2016-320T23:14:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING/SRU	MIMI.NEG_Y TO SATURN (0,0,-9.5).SRU.
SP_249EA_C34BWGSEQ320_PRIME		2016-320T23:14:00		000T07:00:00	2016-321T06:14:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O	ROLLING/SRU	MIMI.NEG_Y TO SATURN (0,0,-9.5).SRU.
ISS_249TI_M150R2HZ325_PRIME	C, V	2016-325T03:39:00		000T01:30:00	2016-325T05:09:00	ISS_NAC TO TITAN	NEG_X TO NSP	
TITAN FLYBY T125 SEGMENT		2016-334T05:28:00		002T03:45:00	2016-336T09:13:00			
SP_250TI_WAYPTTURN334_PRIME		2016-334T05:28:00		000T00:40:00	2016-334T06:08:00	NEG_Y TO TITAN	NEG_X TO NTP	
NEW WAYPOINT		2016-334T06:08:00		001T12:35:00	2016-335T18:43:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_250TI_DEADTIME334_PRIME		2016-334T06:08:00		000T00:09:12	2016-334T06:17:12	NEG_Y TO TITAN	NEG_X TO NTP	
VIMS_250TI_GLOBMAP001_PRIME	C, I	2016-334T06:17:12	GMB_E250_TITAN_T125-000T15:57:20	000T01:57:20	2016-334T08:14:32	VIMS_IR TO TITAN	NEG_X TO NTP	
VIMS_250TI_GLOBMAP002_PRIME	C, I	2016-334T08:14:32	GMB_E250_TITAN_T125-000T14:00:00	000T05:00:00	2016-334T13:14:32	VIMS_IR TO TITAN	NEG_X TO NTP	
VIMS_250TI_MEDRES001_PRIME	C, I	2016-334T13:14:32	GMB_E250_TITAN_T125-000T09:00:00	000T04:00:00	2016-334T17:14:32	VIMS_IR TO TITAN	NEG_X TO NTP	
VIMS_250TI_REGMAP001_PRIME	C, I	2016-334T17:14:32	GMB_E250_TITAN_T125-000T05:00:00	000T02:45:00	2016-334T19:59:32	VIMS_IR TO TITAN	NEG_X TO NTP	
ISS_250TI_REGMAP001_PRIME	C, M, V	2016-334T19:59:32	GMB_E250_TITAN_T125-000T02:15:00	000T01:45:00	2016-334T21:44:32	ISS_NAC TO TITAN	NEG_X TO NTP	
BEGIN DUAL PLAYBACK SCIENCE		2016-334T21:44:32	GMB_E250_TITAN_T125-000T00:30:00	000T00:00:01	2016-334T21:44:33			
BEGIN CUSTOM PERIOD		2016-334T21:44:32	GMB_E250_TITAN_T125-000T00:30:00	000T00:00:01	2016-334T21:44:33			
VIMS_250TI_HIRES001_PRIME	C, I, M	2016-334T21:44:32	GMB_E250_TITAN_T125-000T00:30:00	000T00:45:00	2016-334T22:29:32	VIMS_IR TO TITAN	NEG_X TO 28.0/22.0	PICK UP AT NEG_Y TO TITAN, NEG_X TO NTP; HAND OFF AT CIRS_FP1 TO TITAN, NEG_X TO 28.0/22.0.
250TI (T) T125 TITAN OUTBOU...		2016-334T22:14:32		000T00:00:01	2016-334T22:14:33			
END DUAL PLAYBACK SCIENCE		2016-334T22:29:32	GMB_E250_TITAN_T125+000T00:15:00	000T00:00:01	2016-334T22:29:33			
CIRS_250TI_FIRLMBT002_PRIME	M, V	2016-334T22:29:32	GMB_E250_TITAN_T125+000T00:15:00	000T00:30:00	2016-334T22:59:32	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, NEG_X TO 28.0/22.0; HAND OFF AT CIRS_FP1 TO TITAN, PIC.

CIRS_250TI_FIRLMAER002_PRIME	M, V	2016-334T22:59:32	GMB_E250_TITAN_T125+000T00:45:00	000T00:30:00	2016-334T23:29:32	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_250TI_FIRLMBWTR001_PRIME	M, V	2016-334T23:29:32	GMB_E250_TITAN_T125+000T01:15:00	000T01:00:00	2016-335T00:29:32	CIRS_FP1 TO TITAN	PIC	PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, PIC.
CIRS_250TI_FIRNADMAP002_PRIME	V	2016-335T00:29:32	GMB_E250_TITAN_T125+000T02:15:00	000T02:45:00	2016-335T03:14:32	CIRS_FP1 TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): VIMS. PICK UP AT CIRS_FP1 TO TITAN, PIC; HAND OFF AT CIRS_FP1 TO TITAN, NEG_X TO NTP. COLLABORATIVE RIDER(S): VIMS
CIRS_250TI_MIRLMBINT002_PRIME	I, V	2016-335T03:14:32	GMB_E250_TITAN_T125+000T05:00:00	000T04:00:00	2016-335T07:14:32	CIRS_FPB TO TITAN	PIC	PICK UP AT CIRS_FPB TO TITAN, NEG_X TO NTP; HAND OFF AT CIRS_FP1 TO TITAN, NEG_X TO NTP.
CIRS_250TI_FIRNADCMP002_PRIME	I, U, V	2016-335T07:14:32	GMB_E250_TITAN_T125+000T09:00:00	000T04:00:00	2016-335T11:14:32	CIRS_FP1 TO TITAN	NEG_X TO NTP	PICK UP AT CIRS_FP1 TO TITAN, NEG_X TO NTP; HAND OFF AT CIRS_FPB TO TITAN, NEG_X TO NTP.
CIRS_250TI_MIDIRTMAP002_PRIME	I, V	2016-335T11:14:32	GMB_E250_TITAN_T125+000T13:00:00	000T06:33:28	2016-335T17:48:00	CIRS_FPB TO TITAN	NEG_X TO NTP	COLLABORATIVE RIDER(S): ISS. PICK UP AT CIRS_FPB TO TITAN, NEG_X TO NTP; HAND OFF AT NEG_Y TO TITAN, NEG_X TO NTP. COLLABORATIVE RIDER(S): ISS. TEMPLATE M3?
END CUSTOM PERIOD		2016-335T17:48:00	GMB_E250_TITAN_T125+000T19:33:28	000T00:00:01	2016-335T17:48:01			
SP_250TI_DEADTIME335_PRIME		2016-335T17:48:00	GMB_E250_TITAN_T125+000T19:33:28	000T00:15:00	2016-335T18:03:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_250EA_DLTRN335_PRIME		2016-335T18:03:00		000T00:40:00	2016-335T18:43:00	XBAND TO EARTH	NEG_Y TO 152.79/-31.15	
NEW WAYPOINT		2016-335T18:43:00		000T15:10:00	2016-336T09:53:00	XBAND TO EARTH	NEG_Y TO 152.79/-31.15	
ENGR_250SC_KPTYBIAS335_PRIME		2016-335T18:43:00		000T01:30:00	2016-335T20:13:00	NEG_Z TO DELTA_H (0,0,0,28,0 DEG	NEG_X TO SUN	
APOAPSE PER = 7.2 D, INC = ...		2016-335T23:31:40		000T00:00:01	2016-335T23:31:41			
SP_251EA_C70METNON336_PRIME	C, R	2016-336T02:26:00		000T04:47:00	2016-336T07:13:00	XBAND TO EARTH	4_HR_ROLLING	MIMI.NEG_Y TO SATURN (0,0,-9.5).
SP_251EA_M70METNON336_PRIME	C, R	2016-336T07:13:00		000T02:00:00	2016-336T09:13:00	XBAND TO EARTH	NEG_Y TO 152.79/-31.15	MIMI.NEG_Y TO SATURN (0,0,-9.5).
POINTER RESET IN PREPARATIO...		2016-336T09:13:00		000T00:00:01	2016-336T09:13:01			
TOST_253 SEGMENT		2016-350T04:36:00		001T17:07:00	2016-351T21:43:00			
SP_252TI_WAYPTTURN350_PRIME		2016-350T04:36:00		000T00:40:00	2016-350T05:16:00	NEG_Y TO TITAN	NEG_X TO SUN	MIMI.NEG_X TO SUN
NEW WAYPOINT		2016-350T05:16:00		001T06:57:00	2016-351T12:13:00	NEG_Y TO TITAN	NEG_X TO SUN	
ISS_252TI_LRMONITOR001_PRIME	V	2016-350T05:16:00		000T01:00:00	2016-350T06:16:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_252TI_COMPMPAP001_PRIME	I, V	2016-350T06:16:00		000T04:00:00	2016-350T10:16:00	CIRS_FPB TO TITAN	POS_Z TO NTP	COLLABORATIVE RIDER(S): ISS. CIRS_FPB TO 75N; ARRAYS SPAN 60N-90N
APOAPSE PER = 7.2 D, INC = ...		2016-350T07:51:31		000T00:00:01	2016-350T07:51:32			
CIRS_253TI_MIDIRTMAP001_PRIME	V	2016-350T10:16:00		000T06:05:00	2016-350T16:21:00	CIRS_FPB TO TITAN	PIC	TEMPLATE A2: CIRS-ISS
ISS_253TI_CLOUD001_PIE	C, V	2016-350T16:21:00		000T01:00:00	2016-350T17:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_253TI_COMPMPAP001_PRIME	I, V	2016-350T17:21:00		000T04:00:00	2016-350T21:21:00	CIRS_FPB TO TITAN	POS_Z TO NTP	CIRS_FPB TO 80N; ARRAYS SPAN 70N-90N; FP1 ON DISK
ISS_253TI_CLOUD002_PIE	C, V	2016-350T21:21:00		000T01:00:00	2016-350T22:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
253TI (NT) TITAN INBOUN...		2016-350T21:52:38		000T00:00:01	2016-350T21:52:39			
CIRS_253TI_MIDIRTMAP002_PRIME	V	2016-350T22:21:00		000T04:00:00	2016-351T02:21:00	CIRS_FPB TO TITAN	PIC	TEMPLATE A2: CIRS-ISS
ISS_253TI_CLOUD003_PIE	C, V	2016-351T02:21:00		000T01:00:00	2016-351T03:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_253TI_COMPMPAP002_PRIME	I, V	2016-351T03:21:00		000T01:30:00	2016-351T04:51:00	CIRS_FPB TO TITAN	POS_Z TO NTP	CIRS_FPB TO 80N, CML-180; ARRAYS SPAN 90N-70N; FP1 ON DISK
ISS_253TI_LRMONITOR002_PRIME	C, V	2016-351T04:51:00		000T01:00:00	2016-351T05:51:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_253TI_MIDIRTMAP003_PRIME	V	2016-351T05:51:00		000T01:30:00	2016-351T07:21:00	CIRS_FPB TO TITAN	PIC	TEMPLATE A2: CIRS-ISS
ISS_253TI_CLOUD004_PIE	C, V	2016-351T07:21:00		000T01:00:00	2016-351T08:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_253TI_MIDIRTMAP004_PRIME	V	2016-351T08:21:00		000T02:12:00	2016-351T10:33:00	CIRS_FPB TO TITAN	PIC	TEMPLATE A2: CIRS-ISS
ISS_253TI_CLOUD005_PIE	C, V	2016-351T10:33:00		000T01:00:00	2016-351T11:33:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_253SA_DLTRN351_PRIME		2016-351T11:33:00		000T00:40:00	2016-351T12:13:00	XBAND TO EARTH	NEG_Y TO 153.0/-33.0	MIMI.NEG_Y TO SATURN (0,0,0,0,-9.5)
NEW WAYPOINT		2016-351T12:13:00		001T04:50:00	2016-352T17:03:00	XBAND TO EARTH	NEG_Y TO 153.0/-33.0	
SP_253EA_YGAP351_PRIME		2016-351T12:13:00		000T01:30:00	2016-351T13:43:00	XBAND TO EARTH	NEG_Y TO 153.0/-33.0	MIMI.NEG_Y TO SA (0,0,-9.5 OFFSET)
SP_253EA_G70METNON351_PRIME	C, R	2016-351T13:43:00		000T08:00:00	2016-351T21:43:00	XBAND TO EARTH	NEG_Y TO 153.0/-33.0	MIMI.NEG_Y TO SA (0,0,-9.5)
ISS_253TI_M90R1CLD353_PRIME	C, V	2016-353T04:13:00	E253_M90R1CLD353+000T00:00:00	000T02:00:00	2016-353T06:13:00	ISS_NAC TO TITAN	POS_X TO 191.0/32.0	
ISS_253TI_M150R2HZ355_PRIME	C, V	2016-355T06:49:00	E253_M150R2HZ355+000T00:00:00	000T01:30:00	2016-355T08:19:00	ISS_NAC TO TITAN	POS_Z TO 191.0/32.0	
ISS_254TI_M120R2HZ360_PRIME	C, V	2016-360T10:55:00	E254_M120R2HZ360+000T00:00:00	000T01:30:00	2016-360T12:25:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_255TI_WAYPTTURN365_PRIME		2016-365T20:46:00		000T00:45:00	2016-365T21:31:00	NEG_Y TO TITAN	NEG_X TO SUN	MIMI.NEG_X TO SUN
TOST_255 SEGMENT		2016-365T20:51:00		001T16:23:00	2017-001T13:14:00			

ISS_255TI_LRMONITOR001_PRIME	C, V	2016-365T21:31:00		000T05:00:00	2016-366T02:31:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRCS. INCLUDE 1 HOUR STARES FOR FP1 AND FP3 AT NP
ISS_255TI_LRMONITOR002_PRIME	C, V	2016-366T02:31:00		000T05:00:00	2016-366T07:31:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRCS. INCLUDE 1 HOUR STARES FOR FP1 AND FP3 AT NP
ISS_255TI_LRMONITOR003_PRIME	C, V	2016-366T07:31:00		000T05:00:00	2016-366T12:31:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRCS. INCLUDE 1 HOUR STARES FOR FP1 AND FP3 AT NP
255TI (NT) TITAN INBOUN...		2016-366T12:18:53		000T00:00:01	2016-366T12:18:54			
ISS_255TI_LRMONITOR004_PRIME	C, V	2016-366T12:31:00		000T05:00:00	2016-366T17:31:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRCS. INCLUDE 1 HOUR STARES FOR FP1 AND FP3 AT NP
ISS_255TI_LRMONITOR005_PRIME	C, V	2016-366T17:31:00		000T05:00:00	2016-366T22:31:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRCS. INCLUDE 1 HOUR STARES FOR FP1 AND FP3 AT NP
ISS_255TI_LRMONITOR006_PRIME	C, V	2016-366T22:31:00		000T00:51:00	2016-366T23:22:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRCS
SP_255EA_DLTURN366_PRIME		2016-366T23:22:00		000T00:48:00	2017-001T00:10:00	XBAND TO EARTH	NEG_X TO 117.0/-63.0	CDA.NEG_X TO 117/-63
NEW WAYPOINT		2017-001T00:10:00		000T13:56:00	2017-001T14:06:00	XBAND TO EARTH	NEG_X TO 117.0/-63.0	
ENGR_255SC_KPTYBIAS001_PRIME		2017-001T00:10:00		000T01:22:00	2017-001T01:32:00	POS_Z TO DELTA_H (0.0,0.0,56.0 DEG.	NEG_X TO SUN	
SP_255EA_C70METNON001_PRIME	C	2017-001T02:07:00		000T03:22:00	2017-001T05:29:00	XBAND TO EARTH	NEG_X TO 117.0/-63.0	CDA.NEG_X TO 117/-63.
SP_255EA_M70METNON001_PRIME		2017-001T05:29:00		000T07:45:00	2017-001T13:14:00	XBAND TO EARTH	NEG_X TO 117.0/-63.0	CDA.NEG_X TO 117/-63
ISS_256TI_M150R2HZ010_PRIME	C, V	2017-011T00:36:00	E256_M150R2HZ010+000T00:00:00	000T01:30:00	2017-011T02:06:00	ISS_NAC TO TITAN	POS_Z TO 190.0/32.0	NO PREFERENCE TO SECONDARY POINTING
ISS_256TI_M120R2HZ011_PRIME	C, V	2017-011T21:05:00		000T01:30:00	2017-011T22:35:00	ISS_NAC TO TITAN	POS_Z TO 190.2/31.9	NO PREFERENCE TO SECONDARY POINTING
ISS_257TI_M120R2HZ013_PRIME	C, V	2017-013T03:47:00		000T01:30:00	2017-013T05:17:00	ISS_NAC TO TITAN	POS_Z TO NSP	NO PREFERENCE TO SECONDARY POINTING
ISS_257TI_M90R2CLD014_PRIME	V	2017-014T03:39:00		000T01:30:00	2017-014T05:09:00	ISS_NAC TO TITAN	NEG_X TO NSP	NO PREFERENCE TO SECONDARY POINTING
ISS_258TI_M150R2HZ021_PRIME	V	2017-021T03:18:00		000T01:30:00	2017-021T04:48:00	ISS_NAC TO TITAN	POS_Z TO 190.0/31.9	NO PREFERENCE TO SECONDARY POINTING
ISS_258TI_M150R2HZ022_PRIME	V	2017-022T03:10:00		000T01:30:00	2017-022T04:40:00	ISS_NAC TO TITAN	POS_Z TO 190.0/31.9	NO PREFERENCE TO SECONDARY POINTING
ISS_259TI_M90R2CLD029_PRIME	C, V	2017-029T02:08:00	E259_M90R2CLD029+000T00:00:00	000T01:30:00	2017-029T03:38:00	ISS_NAC TO TITAN	NEG_Z TO 54.0/-13.0	TEAM-INTERNAL HANDOFF AT ISS_NAC TO TITAN/NEG_Z TO 54/-13
TOST_259 SEGMENT		2017-032T07:39:00		001T23:26:00	2017-034T07:05:00			
SP_259TI_WAYPTTURN032_PRIME		2017-032T07:39:00		000T00:40:00	2017-032T08:19:00	NEG_Y TO TITAN	NEG_X TO SUN	MIMI.NEG_X TO SUN
NEW WAYPOINT		2017-032T08:19:00		001T08:42:00	2017-033T17:01:00	NEG_Y TO TITAN	NEG_X TO SUN	
ISS_259TI_LRMONITOR001_PRIME	C, V	2017-032T08:19:00		000T01:00:00	2017-032T09:19:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_259TI_MIDIRTMAP001_PRIME	E, I, V	2017-032T09:19:00		000T03:47:00	2017-032T13:06:00	CIRS_FPFB TO TITAN	PIC	TEMPLATE A2: CIRCS-ISS
ISS_259TI_CLOUD001_PIE	C, U, V	2017-032T13:06:00		000T01:00:00	2017-032T14:06:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_259TI_COMPMPAP001_PIE	I, U, V	2017-032T14:06:00		000T05:15:00	2017-032T19:21:00	CIRS_FPFB TO TITAN	NEG_Z TO NTP	CIRS_FPFB TO 80S; ARRAYS SPAN 70S-90S; FP1 ON DISK
ISS_259TI_CLOUD002_PIE	C, U, V	2017-032T19:21:00		000T01:00:00	2017-032T20:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
259TI (NT) TITAN OUTBOU...		2017-032T19:52:52		000T00:00:01	2017-032T19:52:53			
CIRS_259TI_MIRLMBMAP002_PRIME	E, V	2017-032T20:21:00		000T05:15:00	2017-033T01:36:00	CIRS_FPFB TO TITAN	PIC	
ISS_259TI_CLOUD003_PIE	C, V	2017-033T01:36:00		000T01:00:00	2017-033T02:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_259TI_MIDIRTMAP002_PRIME	I, V	2017-033T02:36:00		000T07:00:00	2017-033T09:36:00	CIRS_FPFB TO TITAN	PIC	TEMPLATE A2: CIRCS-ISS
CIRS_259TI_COMPMPAP002_PRIME	I, V	2017-033T09:36:00		000T05:45:00	2017-033T15:21:00	CIRS_FPFB TO TITAN	NEG_Z TO NTP	CIRS_FPFB TO 45S; ARRAYS SPAN 20S-90S
ISS_259TI_LRMONITOR002_PRIME	C, V	2017-033T15:21:00		000T01:00:00	2017-033T16:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_259EA_DLTURN033_PRIME		2017-033T16:21:00		000T00:40:00	2017-033T17:01:00	XBAND TO EARTH	NEG_Y TO 153.861/-40.705	MAG.ROLLING DOWNLINK
NEW WAYPOINT		2017-033T17:01:00		000T14:10:00	2017-034T07:11:00	XBAND TO EARTH	NEG_Y TO 153.861/-40.705	
SP_259EA_C70METSEQ033_PRIME	C	2017-034T00:06:00		000T03:40:00	2017-034T03:46:00	XBAND TO EARTH	NEG_Y TO 153.861/-40.705	
SP_259EA_M34HEFSEQ034_PRIME	C	2017-034T03:46:00		000T03:19:00	2017-034T07:05:00	XBAND TO EARTH	NEG_Y TO 153.861/-40.705	
SEQUENCE 598, LENGTH = 70 DAYS		2017-034T07:05:00		070T07:50:00	2017-104T14:55:00			
TOST_261 SEGMENT		2017-048T01:11:00		001T16:50:00	2017-049T18:01:00			
SP_261TI_WAYPTTURN048_PRIME		2017-048T01:11:00		000T00:40:00	2017-048T01:51:00	NEG_Y TO TITAN	NEG_Z TO SUN	
NEW WAYPOINT		2017-048T01:51:00		000T23:42:00	2017-049T01:33:00	NEG_Y TO TITAN	NEG_Z TO SUN	
ISS_261TI_LRMONITOR001_PRIME	V	2017-048T01:51:00		000T00:40:00	2017-048T02:31:00	ISS_NAC TO TITAN	NEG_Z TO SUN	
CIRS_261TI_MIDIRTMAP001_PRIME	I, V	2017-048T02:31:00		000T05:10:00	2017-048T07:41:00	CIRS_FPFB TO TITAN	NEG_Z TO SUN	COLLABORATIVE RIDER(S): ISS. TEMPLATE A2: CIRCS-ISS
ISS_261TI_CLOUD001_PIE	C, V	2017-048T07:41:00		000T01:00:00	2017-048T08:41:00	ISS_NAC TO TITAN	NEG_Z TO SUN	
CIRS_261TI_MIRLMBMAP001_PRIME	V	2017-048T08:41:00		000T04:00:00	2017-048T12:41:00	CIRS_FPFB TO TITAN	PIC	
ISS_261TI_CLOUD002_PIE	C, U, V	2017-048T12:41:00		000T01:00:00	2017-048T13:41:00	ISS_NAC TO TITAN	NEG_Z TO SUN	
261TI (NT) TITAN OUTBOU...		2017-048T13:10:20		000T00:00:01	2017-048T13:10:21			

CIRS_261TI_MIRLMBINT001_PRIME	I, U, V	2017-048T13:41:00		000T03:00:00	2017-048T16:41:00	CIRS_FPBB TO TITAN	PIC	
ISS_261TI_CLOUD003_PIE	C, U, V	2017-048T16:41:00		000T04:00:00	2017-048T20:41:00	ISS_NAC TO TITAN	NEG_Z TO SUN	COLLABORATIVE RIDER(S): CIRS
APQAPSE PER = 7.2 D, INC =...		2017-048T20:24:27		000T00:00:01	2017-048T20:24:28			
ISS_262TI_CLOUD004_PIE	C, V	2017-048T20:41:00		000T02:57:00	2017-048T23:38:00	ISS_NAC TO TITAN	NEG_Z TO SUN	COLLABORATIVE RIDER(S): CIRS
ISS_262TI_CLOUD005_PIE	C, V	2017-048T23:38:00		000T01:15:00	2017-049T00:53:00	ISS_NAC TO TITAN	NEG_Z TO SUN	
SP_262EA_DLTURNO49_PRIME		2017-049T00:53:00		000T00:40:00	2017-049T01:33:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O NEG_Y TO SATURN		
NEW WAYPOINT		2017-049T01:33:00		000T17:08:00	2017-049T18:41:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C NEG_Y TO SATURN		
ENGR_262SC_KPTYBIAS049_PRIME		2017-049T01:33:00		000T01:30:00	2017-049T03:03:00	POS_Z TO DELTA_H (0.0,0.0,-90.0 DEG NEG_X TO SUN		
SP_262EA_M34BWGNON049_PRIME	C	2017-049T03:03:00		000T07:00:00	2017-049T10:03:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O NEG_Y TO SATURN		MIMI. NEG_Y TO SA (0,0,-9.5)
SP_262EA_G70METNON049_PRIME	C	2017-049T10:03:00		000T07:58:00	2017-049T18:01:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O NEG_Y TO SATURN		MIMI. NEG_Y TO SA (0,0,-9.5)
ISS_263TI_M120R2HZ058_PRIME	C	2017-058T21:05:00	E263_M120R2HZ058+000T00:00:00	000T01:30:00	2017-058T22:35:00	ISS_NAC TO TITAN	NEG_Z TO 62.8/0.588	
ISS_263TI_M90R1CLD062_PRIME	C, V	2017-062T17:35:00	E263_M90R1CLD062+000T00:00:00	000T02:00:00	2017-062T19:35:00	ISS_NAC TO TITAN	NEG_X TO 302.0/63.0	
TOST_264 SEGMENT		2017-063T22:20:00		001T22:15:00	2017-065T20:35:00			
SP_264TI_WAYPTTURN063_PRIME		2017-063T22:20:00		000T00:40:00	2017-063T23:00:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2017-063T23:00:00		001T08:35:00	2017-065T07:35:00	NEG_Y TO TITAN	NEG_X TO SUN	
ISS_264TI_LRMONTOR001_PRIME	C, V	2017-063T23:00:00		000T05:26:00	2017-064T04:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRS
ISS_264TI_CLOUD001_PIE	C, V	2017-064T04:26:00		000T07:00:00	2017-064T11:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRS
ISS_264TI_CLOUD002_PIE	C, V	2017-064T11:26:00		000T07:00:00	2017-064T18:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRS
264TI (NT) TITAN INBOUN...		2017-064T11:53:45		000T00:00:01	2017-064T11:53:46			
ISS_264TI_CLOUD003_PIE	C, V	2017-064T18:26:00		000T07:00:00	2017-065T01:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRS
ISS_264TI_CLOUD004_PIE	C, V	2017-065T01:26:00		000T05:29:00	2017-065T06:55:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRS
SP_264EA_DLTURNO65_PRIME		2017-065T06:55:00		000T00:40:00	2017-065T07:35:00	XBAND TO EARTH	POS_X TO NEP	
NEW WAYPOINT		2017-065T07:35:00		000T13:44:00	2017-065T21:19:00	XBAND TO EARTH	POS_X TO NEP	
ENGR_264SC_KPTYBIAS065_PRIME		2017-065T07:35:00		000T01:30:00	2017-065T09:05:00	POS_Z TO DELTA_H (0.0,0.0,-36.0 DEG NEG_X TO SUN		
SP_264EA_G70METNON065_PRIME	C	2017-065T09:05:00		000T08:15:00	2017-065T17:20:00	XBAND TO EARTH	ROLLING/SRU	SRU.
SP_264EA_C34BWGNON065_PRIME		2017-065T17:20:00		000T03:15:00	2017-065T20:35:00	XBAND TO EARTH	POS_X TO NEP	
ISS_264TI_M150R2HZ069_PRIME	C, V	2017-069T00:10:00	E264_M150R2HZ069+000T00:00:00	000T01:30:00	2017-069T01:40:00	ISS_NAC TO TITAN	POS_Z TO 188.4/32.0	
ISS_265TI_M120R2HZ076_PRIME	C, V	2017-075T23:22:00	E265_M120R2HZ076+000T00:00:00	000T01:30:00	2017-076T00:52:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_265TI_M120R2HZ077_PRIME	C, V	2017-077T00:42:00	E265_M120R2HZ077+000T00:00:00	000T01:30:00	2017-077T02:12:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_266TI_M90R1CLD079_PRIME	C, V	2017-078T23:43:00	E266_M90R1CLD078+000T00:00:00	000T02:00:00	2017-079T01:43:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_266TI_TIPHA001_PIE	C, M, V	2017-080T07:36:00		000T02:30:00	2017-080T10:06:00	ISS_NAC TO TITAN	POS_X TO 172.0/33.0	
ISS_266TI_M150R2HZ083_PRIME	C, V	2017-084T01:30:00	E266_M150R2HZ083+000T00:00:00	000T01:30:00	2017-084T03:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_267TI_M150R2HZ084_PRIME	C, V	2017-084T23:25:00	E267_M150R2HZ084+000T00:00:00	000T01:30:00	2017-085T00:55:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_268TI_M120R2HZ091_PRIME	C, V	2017-091T23:04:00	E268_M120R2HZ091+000T00:00:00	000T01:30:00	2017-092T00:34:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_268TI_M90R2CLD093_PRIME	C, V	2017-093T16:19:00	E268_M90R2CLD093+000T00:00:00	000T01:30:00	2017-093T17:49:00	ISS_NAC TO TITAN	POS_Z TO 188.0/32.0	
SP_268TI_WAYPTTURN095_PRIME		2017-096T15:24:00		000T00:25:00	2017-096T15:49:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_268TI_CLOUD001_PIE	V	2017-096T15:49:00		000T01:45:00	2017-096T17:34:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_268TI_CLOUD002_PIE	V	2017-096T19:24:00		000T02:36:00	2017-096T22:00:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_268TI_CLOUD003_PIE	V	2017-097T01:36:00		000T01:00:00	2017-097T02:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_268TI_COMPMPA001_PIE	I, V	2017-097T02:36:00		000T05:47:00	2017-097T08:23:00	CIRS_FPBB TO TITAN	NEG_Z TO NTP	40S-90S
ISS_268TI_CLOUD004_PIE	V	2017-097T08:23:00		000T01:00:00	2017-097T09:23:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_268TI_COMPMPA002_PIE	I, V	2017-097T09:23:00		000T05:16:00	2017-097T14:39:00	CIRS_FPBB TO TITAN	NEG_Z TO NTP	30S-90S
ISS_268TI_CLOUD005_PIE	V	2017-097T14:39:00		000T01:10:00	2017-097T15:49:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_269TI_M150R2HZ100_PRIME	C, V	2017-100T23:55:00	E269_M150R2HZ100+000T00:00:00	000T01:30:00	2017-101T01:25:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_270TI_M90R2CLD108_PRIME	C, V	2017-108T21:52:00	E270_M90R2CLD108+000T00:00:00	000T01:30:00	2017-108T23:22:00	ISS_NAC TO TITAN	NEG_X TO 187.0/32.0	
ISS_270TI_M90R1CLD110_PRIME	C, V	2017-110T23:26:00	E270_M90R1CLD110+000T00:00:00	000T02:00:00	2017-111T01:26:00	ISS_NAC TO TITAN	POS_X TO 100.9/67.4	

SP_270TI_WAYPTTURN111_PRIME		2017-111T12:30:00		000T00:40:00	2017-111T13:10:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_270TI_DEADTIME111_PRIME		2017-111T13:10:00		000T00:14:58	2017-111T13:24:58	NEG_Y TO TITAN	NEG_X TO NTP	
CIRS_270TI_MIDIRTMAP001_PRIME	I, V	2017-111T13:24:58	GMB_E270_TITAN_T126-000T16:43:09	000T02:43:09	2017-111T16:08:07	CIRS_FPB TO TITAN	PIC	
ISS_270TI_MONITORA001_PRIME	C, V	2017-111T16:08:07	GMB_E270_TITAN_T126-000T14:00:00	000T02:00:00	2017-111T18:08:07	ISS_NAC TO TITAN	NEG_X TO NTP	
CIRS_270TI_FIRNADCMP001_PRIME	I, U, V	2017-111T18:08:07	GMB_E270_TITAN_T126-000T12:00:00	000T03:00:00	2017-111T21:08:07	CIRS_FP1 TO TITAN	PIC	
ISS_270TI_GLOBMAP001_PRIME	C, V	2017-111T21:08:07	GMB_E270_TITAN_T126-000T09:00:00	000T03:00:00	2017-112T00:08:07	ISS_NAC TO TITAN	NEG_X TO NTP	
RADAR_270TI_T126INRAD001_PRIME		2017-112T00:08:07	GMB_E270_TITAN_T126-000T06:00:00	000T03:45:00	2017-112T03:53:07	NEG_Z TO TITAN	NEG_X TO NTP	USE -X TO NTP AND -Y TO NTP AS SECONDARY AXIS FOR TWO POLARIZATIONS.
RADAR_270TI_T126INSC001_PRIME		2017-112T03:53:07	GMB_E270_TITAN_T126-000T02:15:00	000T01:03:00	2017-112T04:56:07	NEG_Z TO TITAN	NEG_Y TO NTP	
RADAR_270TI_T126IHSAR001_PRIME		2017-112T04:56:07	GMB_E270_TITAN_T126-000T01:12:00	000T00:41:00	2017-112T05:37:07	NEG_Z TO TITAN	NEG_Y TO NTP	
RADAR_270TI_T126INALT001_PRIME		2017-112T05:38:07	GMB_E270_TITAN_T126-000T00:30:00	000T00:15:00	2017-112T05:53:07	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	
RADAR_270TI_T126RASAR001_PRIME	M	2017-112T05:53:07	GMB_E270_TITAN_T126-000T00:15:00	000T00:15:00	2017-112T06:08:07	NEG_X TO TITAN_SC_RAM	NEG_Z TO TITAN	RIDE-ALONG AT C/A.
RADAR_270TI_T126OTSAR001_PRIME		2017-112T06:08:07	GMB_E270_TITAN_T126+000T00:00:00	000T00:18:00	2017-112T06:26:07	NEG_Z TO TITAN	NEG_X TO TITAN_SC_RAM	
RADAR_270TI_T126OTALT001_PRIME		2017-112T06:26:07	GMB_E270_TITAN_T126+000T00:18:00	000T00:12:00	2017-112T06:38:07	NEG_Z TO TITAN	POS_Y TO NTP	
RADAR_270TI_T126OHSAR001_PRIME		2017-112T07:00:07	GMB_E270_TITAN_T126+000T00:52:00	000T00:38:00	2017-112T07:38:07	NEG_Z TO TITAN	POS_Y TO NTP	
RADAR_270TI_T126OTSCT001_PRIME		2017-112T07:38:07	GMB_E270_TITAN_T126+000T01:30:00	000T01:05:00	2017-112T08:43:07	NEG_Z TO TITAN	POS_Y TO NTP	
RADAR_270TI_T126OTRAD001_PRIME		2017-112T08:43:07	GMB_E270_TITAN_T126+000T02:35:00	000T03:25:00	2017-112T12:08:07	NEG_Z TO TITAN	POS_Y TO NTP	USE +Y TO NTP AND -X TO NTP FOR POLARIZATIONS.
VIMS_270TI_MEDRES001_PRIME	C, I	2017-112T12:08:07	GMB_E270_TITAN_T126+000T06:00:00	000T03:00:00	2017-112T15:08:07	VIMS_IR TO TITAN	NEG_X TO NTP	
VIMS_270TI_GLOBMAP002_PRIME	C, I	2017-112T15:08:07	GMB_E270_TITAN_T126+000T09:00:00	000T04:00:00	2017-112T19:08:07	VIMS_IR TO TITAN	NEG_X TO NTP	
CIRS_270TI_MIDIRTMAP002_PRIME	I, U, V	2017-112T19:08:07	GMB_E270_TITAN_T126+000T13:00:00	000T09:52:51	2017-113T05:00:58	CIRS_FPB TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS
SP_271TI_DEADTIME113_PRIME		2017-113T05:00:58	GMB_E270_TITAN_T126+000T22:52:51	000T00:15:02	2017-113T05:16:00	NEG_Y TO TITAN	NEG_X TO NTP	
SP_271TI_WAYPTTURN113_PRIME		2017-113T22:56:00		000T00:40:00	2017-113T23:36:00	NEG_Y TO TITAN	NEG_Z TO NTP	
CIRS_271TI_COMPMAP001_PRIME	I, U, V	2017-113T23:36:00		000T11:36:00	2017-114T11:12:00	CIRS_FPB TO TITAN	NEG_Z TO NTP	
SP_271TI_WAYPTTURN114_PRIME		2017-114T20:52:00		000T00:40:00	2017-114T21:32:00	NEG_Y TO TITAN	NEG_X TO NTP	
ISS_271TI_CLOUD001_PRIME	C, V	2017-114T21:32:00		000T00:50:00	2017-114T22:22:00	ISS_NAC TO TITAN	NEG_X TO NTP	
ISS_272TI_M150R2HZ121_PRIME	C, V	2017-121T20:50:00	E272_M150R2HZ121+000T00:00:00	000T01:30:00	2017-121T22:20:00	ISS_NAC TO TITAN	POS_Z TO 185.8/33.1	
TOST_273_IN SEGMENT		2017-127T04:19:00		001T13:54:00	2017-128T18:13:00			
SP_273TI_WAYPTTURN127_PRIME		2017-127T04:19:00		000T00:40:00	2017-127T04:59:00	NEG_Y TO TITAN	NEG_Z TO SUN	
NEW WAYPOINT		2017-127T04:59:00		001T03:27:00	2017-128T08:26:00	NEG_Y TO TITAN	NEG_Z TO SUN	
ISS_273TI_LRMONITOR001_PRIME	C, V	2017-127T04:59:00		000T05:00:00	2017-127T09:59:00	ISS_NAC TO TITAN	NEG_Z TO SUN	
ISS_273TI_LRMONITOR002_PRIME	C, V	2017-127T09:59:00		000T05:00:00	2017-127T14:59:00	ISS_NAC TO TITAN	NEG_Z TO SUN	COLLABORATIVE RIDER(S): CIRS
ISS_273TI_LRMONITOR003_PRIME	C, V	2017-127T14:59:00		000T04:03:00	2017-127T19:02:00	ISS_NAC TO TITAN	NEG_Z TO SUN	COLLABORATIVE RIDER(S): CIRS. NEG_Z TO SUN FOR CIRS
CIRS_273TI_MIDIRTMAP001_PRIME	I	2017-127T19:02:00		000T03:00:00	2017-127T22:02:00	CIRS_FPB TO TITAN	NEG_Z TO SUN	TEMPLATE A2: CIRS-ISS
273TI (NT) TITAN INBOUN...		2017-127T20:32:14		000T00:00:01	2017-127T20:32:15			
ISS_273TI_LRMONITOR004_PRIME	C, V	2017-127T22:02:00		000T04:00:00	2017-128T02:02:00	ISS_NAC TO TITAN	NEG_Z TO SUN	COLLABORATIVE RIDER(S): CIRS. NEG_Z TO SUN FOR CIRS
ISS_273TI_LRMONITOR005_PRIME	C, V	2017-128T02:02:00		000T04:44:00	2017-128T06:46:00	ISS_NAC TO TITAN	NEG_Z TO SUN	COLLABORATIVE RIDER(S): CIRS. NEG_Z TO SUN FOR CIRS
ISS_273TI_TIPHA001_PIE	C, V	2017-128T06:46:00		000T01:00:00	2017-128T07:46:00	ISS_NAC TO TITAN	NEG_Z TO SUN	NEG_Z TO SUN FOR CIRS
SP_273EA_DLTRN128_PRIME		2017-128T07:46:00		000T00:40:00	2017-128T08:26:00	XBAND TO EARTH	NEG_Y TO 127.0/-37.0	
NEW WAYPOINT		2017-128T08:26:00		001T12:46:00	2017-129T21:12:00	XBAND TO EARTH	NEG_Y TO 127.0/-37.0	
ENGR_273SC_KPTYBIAS128_PRIME	R	2017-128T08:26:00		000T01:30:00	2017-128T09:56:00	POS_Z TO DELTA_H (0.0,0.0,-44.0 DEG	NEG_X TO SUN	
SP_273EA_C70METNON128_PRIME	C, R	2017-128T09:56:00		000T08:17:00	2017-128T18:13:00	XBAND TO EARTH	NEG_Y TO 127.0/-37.0	MIMI. NEG_Y TO SATURN (0.0,-9.5) RA/DEC
ISS_273TI_M90R1CLD129_PRIME	C, V	2017-129T21:12:00		000T02:03:00	2017-129T23:15:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_274TI_M150R2HZ134_PRIME	C, V	2017-134T22:09:00	E274_M150R2HZ134+000T00:00:00	000T01:30:00	2017-134T23:39:00	ISS_NAC TO TITAN	NEG_X TO 183.3/32.9	
TOST_275 SEGMENT		2017-143T12:14:00		001T20:43:00	2017-145T08:57:00			

SP_275TI_WAYPTTURN143_PRIME		2017-143T12:14:00		000T00:40:00	2017-143T12:54:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2017-143T12:54:00		001T07:50:00	2017-144T20:44:00	NEG_Y TO TITAN	NEG_X TO SUN	
ISS_275TI_LRMONITOR001_PRIME	C, V	2017-143T12:54:00		000T01:50:00	2017-143T14:44:00	ISS_NAC TO TITAN	NEG_X TO SUN	
VIMS_275DI_HIPHASE001_PIE	C, I, U	2017-143T14:44:00		000T02:00:00	2017-143T16:44:00	ISS_NAC TO DIONE	NEG_X TO SUN	COLLABORATIVE RIDER(S): ISS. ANY RBOT FRIENDLY SECONDARY
CIRS_275TI_MIRLMBINT001_PRIME	I, U, V	2017-143T16:44:00		000T06:34:00	2017-143T23:18:00	CIRS_FP3 TO TITAN	PIC	
RADAR_275TI_ALTIMETRY001_PIE		2017-143T23:18:00		000T02:00:00	2017-144T01:18:00	NEG_Z TO TITAN	NEG_X TO NTP	
275TI (NT) TITAN OUTBOU...		2017-144T00:18:12		000T00:00:01	2017-144T00:18:13			
CIRS_275TI_FIRNADMAPO02_PRIME	U, V	2017-144T01:18:00		000T04:15:00	2017-144T05:33:00	CIRS_FP1 TO TITAN	NEG_X TO SUN	
ISS_275TI_LRMONITOR002_PRIME	C, V	2017-144T05:33:00		000T01:00:00	2017-144T06:33:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_275TI_MIRLMBMAPO02_PRIME	V	2017-144T06:33:00		000T04:00:00	2017-144T10:33:00	CIRS_FP3 TO TITAN	PIC	
ISS_275TI_LRMONITOR003_PRIME	C, V	2017-144T10:33:00		000T01:00:00	2017-144T11:33:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_275TI_MIDIRTMPO02_PRIME	I, V	2017-144T11:33:00		000T04:00:00	2017-144T15:33:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	TEMPLATE A2: CIRS-ISS
ISS_275TI_LRMONITOR004_PRIME	C, V	2017-144T15:33:00		000T04:31:00	2017-144T20:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_275EA_DLTURN144_PRIME		2017-144T20:04:00		000T00:40:00	2017-144T20:44:00	XBAND TO EARTH	NEG_Y TO 37.887/-59.144	
NEW WAYPOINT		2017-144T20:44:00		000T23:09:00	2017-145T19:53:00	XBAND TO EARTH	NEG_Y TO 37.887/-59.144	
SP_275EA_M70METSEQ144_PRIME	C, R	2017-144T20:44:00		000T07:45:00	2017-145T04:29:00	XBAND TO EARTH	ROLLING	
SP_275EA_G70METNON145_PRIME	C	2017-145T04:29:00		000T04:28:00	2017-145T08:57:00	XBAND TO EARTH	ROLLING	
APOAPSE PER = 6.5 D, INC =...		2017-145T08:50:37		000T00:00:01	2017-145T08:50:38			
SEQUENCE \$100, LENGTH = 46 ...		2017-145T08:57:00		045T16:17:00	2017-191T01:14:00			
ISS_276TI_M150R2HZ149_PRIME	C, V	2017-149T18:30:00	E276_M150R2HZ149+000T00:00:00	000T01:30:00	2017-149T20:00:00	ISS_NAC TO TITAN	NEG_X TO NEP	
TOST_278 SEGMENT		2017-159T06:46:00		001T18:09:00	2017-161T00:55:00			
SP_278TI_WAYPTTURN159_PRIME		2017-159T06:46:00		000T00:40:00	2017-159T07:26:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2017-159T07:26:00		001T04:34:00	2017-160T12:00:00	NEG_Y TO TITAN	NEG_X TO SUN	
ISS_278TI_CLOUD001_PRIME	C, V	2017-159T07:26:00		000T01:00:00	2017-159T08:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_278TI_COMPMAPO01_PRIME	I, V	2017-159T08:26:00		000T03:00:00	2017-159T11:26:00	CIRS_FP3 TO TITAN	POS_Z TO NTP	
ISS_278TI_CLOUD002_PRIME	C, V	2017-159T11:26:00		000T01:00:00	2017-159T12:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_278TI_MIDIRTMPO01_PRIME	I, V	2017-159T12:26:00		000T03:00:00	2017-159T15:26:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	
ISS_278TI_CLOUD003_PRIME	C, V	2017-159T15:26:00		000T01:00:00	2017-159T16:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_278TI_MIDIRTMPO02_PRIME	I, V	2017-159T16:26:00		000T03:00:00	2017-159T19:26:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	
278TI (NT) TITAN INBOUN...		2017-159T18:44:45		000T00:00:01	2017-159T18:44:46			
ISS_278TI_CLOUD004_PRIME	C, V	2017-159T19:26:00		000T01:00:00	2017-159T20:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_278TI_MIDIRTMPO03_PRIME	I, V	2017-159T20:26:00		000T02:00:00	2017-159T22:26:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	
ISS_278TI_CLOUD005_PRIME	C, V	2017-159T22:26:00		000T01:00:00	2017-159T23:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_278TI_MIDIRTMPO04_PRIME	I, V	2017-159T23:26:00		000T03:00:00	2017-160T02:26:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	
ISS_278TI_CLOUD006_PRIME	C, V	2017-160T02:26:00		000T01:00:00	2017-160T03:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_278TI_MIDIRTMPO05_PRIME	I, V	2017-160T03:26:00		000T03:00:00	2017-160T06:26:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	
ISS_278TI_CLOUD007_PRIME	C, V	2017-160T06:26:00		000T01:00:00	2017-160T07:26:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_278TI_MIDIRTMPO06_PRIME	I, V	2017-160T07:26:00		000T02:54:00	2017-160T10:20:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	
ISS_278TI_CLOUD008_PRIME	C, V	2017-160T10:20:00		000T01:00:00	2017-160T11:20:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_278TI_DLTURN161_PRIME		2017-160T11:20:00		000T00:40:00	2017-160T12:00:00	XBAND TO EARTH	POS_X TO 299.7/63.6	
NEW WAYPOINT		2017-160T12:00:00		002T06:10:00	2017-162T18:10:00	XBAND TO EARTH	POS_X TO 299.7/63.6	
SP_278TI_YGAP160_PRIME		2017-160T12:00:00		000T01:30:00	2017-160T13:30:00	XBAND TO EARTH	POS_X TO 299.7/63.6	PREVIOUSLY SECONDARY MIMI.NEG_Y TO SA (0,0,-9.5 OFFSET) CHANGED TO SECONDARY +X TO 299.7/63.6
SP_278EA_C70METNON160_PRIME	C, R	2017-160T16:05:00		000T03:25:00	2017-160T19:30:00	XBAND TO EARTH	POS_X TO 299.7/63.6	PREVIOUSLY MIMI. XBAND TO EARTH (0,0,-9.5). NEG_Y TO SA SWITCHED TO POS_X TO RA/DEC 299.7/63.6
SP_278EA_M34BWGRSS160_PRIME	C, M, R	2017-160T19:30:00		000T07:30:00	2017-161T03:00:00	XBAND TO EARTH	POS_X TO 299.7/63.6	COLLABORATIVE RIDER(S): CDA. ORIGINALLY MIMI. XBAND TO EARTH (0,0,-9.5). NEG_Y TO SA. SRU SWITCHED TO XBAND TO EARTH, POSX TO 299.7/63.6 TO SUPPORT SUBSEQUENT RSS PIE.
ISS_279TI_M150R3HZ166_PRIME	C, V	2017-166T22:35:00		000T01:30:00	2017-167T00:05:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_279TI_M180R2HZ168_PRIME	C	2017-168T22:40:00	E279_M180R2HZ168+000T00:00:00	000T01:30:00	2017-169T00:10:00	ISS_NAC TO TITAN	NEG_X TO NSP	
ISS_280TI_M120R2HZ171_PRIME	C, V	2017-171T17:00:00	E280_M120R2HZ171+000T00:00:00	000T01:30:00	2017-171T18:30:00	ISS_NAC TO TITAN	NEG_X TO 177.2/50.0	NO PREFERENCE TO SECONDARY POINTING
SP_280TI_WAYPTTURN175_PRIME		2017-175T16:45:00		000T00:33:00	2017-175T17:18:00	ISS_NAC TO TITAN	NEG_Z TO 83.0/22.0	

ISS_280TI_CLOUD001_PIE	C, V	2017-175T17:18:00		000T02:13:00	2017-175T19:31:00	ISS_NAC TO TITAN	NEG_Z TO 83.0/22.0	PICK UP AT ISS_NAC TO TITAN, NEG_Z TO 83.0/22.0; HAND OFF AT UVIS_FUV TO 84.054/-1.202, POS_Z TO 174.9/-33.0. PICK-UP AT NAC TO TITAN, NEG_Z TO 83/22. HAND-OFF AT UVIS_FUV TO 84.054/-1.202, POS_Z TO 174...
ISS_280TI_CLOUD002_PIE	C, V	2017-175T22:43:00		000T01:45:00	2017-176T00:28:00	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT UVIS_FUV TO 84.054/-1.202, POS_Z TO 174.9/-33.0; HAND OFF AT ISS_NAC TO TITAN, NEG_X TO SUN. PICK-UP AT UVIS_FUV TO 84.054/-1.202, POS_Z TO 174.9/-33.0. HAND-OFF AT NAC TO TITAN, NEG_X TO SUN
CIRS_280TI_COMPMPA001_PIE	I, V	2017-176T00:28:00		000T04:24:00	2017-176T04:52:00	CIRS_FPB TO TITAN	NEG_Z TO NTP	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT CIRS_FPB TO TITAN, NEG_Z TO NTP. CIRS_FPB TO 70S; FP1 PARTIALLY OFF DISK
ISS_280TI_CLOUD003_PIE	C, V	2017-176T04:52:00		000T01:45:00	2017-176T06:37:00	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT CIRS_FPB TO TITAN, NEG_Z TO NTP; HAND OFF AT UVIS_FUV TO 84.054/-1.202, NEG_Z TO NSP. PICK-UP AT CIRS_FPB TO TITAN, NEG_Z TO NTP. HAND-OFF AT UVIS_FUV TO 84.054/-1.202, NEG_Z TO NSP
ISS_280TI_CLOUD004_PIE	C, V	2017-176T07:37:00		000T03:37:00	2017-176T11:14:00	ISS_NAC TO TITAN	NEG_X TO SUN	PICK UP AT ISS_NAC TO TITAN, NEG_X TO SUN; HAND OFF AT UVIS_FUV TO 85.19/-1.943, NEG_Z TO NSP. PICK-UP AT NAC TO TITAN, NEG_X TO SUN. HAND-OFF AT UVIS_FUV TO 85.190/-1.94302, NEG_Z TO NSP
ISS_280TI_CLOUD005_PIE	C, V	2017-176T12:14:00		000T04:20:00	2017-176T16:34:00	ISS_NAC TO TITAN	NEG_X TO SUN	
ISS_281TI_M180R2HZ181_PRIME	C, V	2017-181T19:25:00	E281_M180R2HZ181+000T00:00:00	000T01:30:00	2017-181T20:55:00	ISS_NAC TO TITAN	NEG_Z TO NSP	
ISS_282TI_M120R2HZ186_PRIME	C, V	2017-186T03:14:00	E282_M120R2HZ186+000T00:00:00	000T01:30:00	2017-186T04:44:00	ISS_NAC TO TITAN	NEG_X TO 175.0/45.0	
TOST_283 SEGMENT		2017-191T01:14:00		001T22:59:00	2017-193T00:13:00			
SP_283EA_S101IVP236_PRIME		2017-191T01:14:00		000T00:06:00	2017-191T01:20:00	XBAND TO EARTH	NEG_Y TO SATURN	S101 IVP GAP
NEW WAYPOINT		2017-191T01:20:00		000T02:10:00	2017-191T03:30:00	XBAND TO EARTH	NEG_Y TO SATURN	
ENGR_283SC_KPTYBIAS191_PRIME		2017-191T01:20:00		000T01:30:00	2017-191T02:50:00	NEG_Z TO DELTA_H (0.0,0.0,74.998 D)	NEG_X TO SUN	
SP_283TI_WAYPTTURN191_PRIME		2017-191T02:50:00		000T00:40:00	2017-191T03:30:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2017-191T03:30:00		001T07:35:00	2017-192T11:05:00	NEG_Y TO TITAN	NEG_X TO SUN	
ISS_283TI_LRMONITOR001_PRIME	C, V	2017-191T03:30:00		000T00:50:00	2017-191T04:20:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_283TI_COMPMPA001_PRIME	I, V	2017-191T04:20:00		000T03:46:00	2017-191T08:06:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	
ISS_283TI_CLOUD001_PIE	C, V	2017-191T08:06:00		000T01:00:00	2017-191T09:06:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_283TI_MIDIRTMAP001_PRIME	I, V	2017-191T09:06:00		000T04:15:00	2017-191T13:21:00	CIRS_FPB TO TITAN	NEG_X TO SUN	
ISS_283TI_CLOUD002_PIE	C, V	2017-191T13:21:00		000T01:00:00	2017-191T14:21:00	ISS_NAC TO TITAN	NEG_X TO SUN	
283TI (NT) TITAN INBOUN...		2017-191T13:50:50		000T00:00:01	2017-191T13:50:51			
CIRS_283TI_MIDIRTMAP002_PRIME	I, V	2017-191T14:21:00		000T04:45:00	2017-191T19:06:00	CIRS_FPB TO TITAN	NEG_X TO SUN	
ISS_283TI_CLOUD003_PIE	C, V	2017-191T19:06:00		000T01:30:00	2017-191T20:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_283TI_MIDIRTMAP003_PRIME	I, V	2017-191T20:36:00		000T03:00:00	2017-191T23:36:00	CIRS_FPB TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): ISS
ISS_283TI_CLOUD004_PIE	C, V	2017-191T23:36:00		000T01:00:00	2017-192T00:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_283TI_COMPMPA002_PRIME	I, V	2017-192T00:36:00		000T03:42:00	2017-192T04:18:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): ISS
ISS_283TI_CLOUD005_PIE	C, V	2017-192T04:18:00		000T01:45:00	2017-192T06:03:00	ISS_NAC TO TITAN	NEG_X TO SUN	
UVIS_283ST_BETCMA001_PIE		2017-192T06:03:00		000T01:31:00	2017-192T07:34:00	UVIS_FUV TO 95.675/-17.956 (0.258,0.258)	NEG_X TO SUN	
ISS_283TI_LRMONITOR002_PRIME	C, V	2017-192T07:34:00		000T00:30:00	2017-192T08:04:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_283TI_COMPMPA003_PRIME	I, V	2017-192T08:04:00		000T01:51:00	2017-192T09:55:00	CIRS_FP3 TO TITAN	NEG_X TO SUN	
ISS_283TI_LRMONITOR003_PRIME	C, V	2017-192T09:55:00		000T00:30:00	2017-192T10:25:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_283EA_DLTRN192_PRIME		2017-192T10:25:00		000T00:40:00	2017-192T11:05:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O)	NEG_Y TO SATURN	
NEW WAYPOINT		2017-192T11:05:00		000T13:48:00	2017-193T00:53:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. C)	NEG_Y TO SATURN	
SP_283EA_YGAP192_PRIME		2017-192T11:05:00		000T01:30:00	2017-192T12:35:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O)	NEG_Y TO SATURN	
SP_283EA_C34BWGNON192_PRIME	C, R	2017-192T12:35:00		000T04:39:00	2017-192T17:14:00	XBAND TO EARTH (0.0,0.0,-9.5 DEG. O)	NEG_Y TO SATURN	MIMI. XBAND TO EARTH (0,0,-9.5), NEG_Y TO SA

ISS_290TI_ATMCLD001_PIE	C, V	2017-240T20:40:00		000T05:34:00	2017-241T02:14:00	ISS_NAC TO TITAN	NEG_X TO SUN	COLLABORATIVE RIDER(S): CIRS
ISS_290TI_M120R2HZ242_PRIME	C, V	2017-242T12:41:00	E290_M120R2HZ242+000T00:00:00	000T01:30:00	2017-242T14:11:00	ISS_NAC TO TITAN	NEG_Z TO NSP	
ISS_291TI_M150R2HZ243_PRIME	C, V	2017-243T12:41:00	E291_M150R2HZ243+000T00:00:00	000T01:30:00	2017-243T14:11:00	ISS_NAC TO TITAN	NEG_Z TO NSP	
ISS_291TI_M150R2HZ244_PRIME	C, V	2017-244T11:25:00	E291_M150R2HZ244+000T00:00:00	000T01:30:00	2017-244T12:55:00	ISS_NAC TO TITAN	NEG_X TO NSP	NO PREFERENCE TO SECONDARY POINTING
ISS_292TI_M150R2HZ250_PRIME	C, V	2017-250T11:48:00	E292_M150R2HZ250+000T00:00:00	000T01:30:00	2017-250T13:18:00	ISS_NAC TO TITAN	NEG_X TO 164.0/32.0	
ISS_292TI_M90R1CLD252_PRIME	C, V	2017-253T00:22:00	E292_M90R1CLD252+000T00:00:00	000T02:00:00	2017-253T02:22:00	ISS_NAC TO TITAN	NEG_X TO NSP	
TOST_292 SEGMENT		2017-254T04:37:00		002T07:48:00	2017-256T12:25:00			
SP_292TI_WAYPTTURN254_PRIME		2017-254T04:37:00		000T00:40:00	2017-254T05:17:00	NEG_Y TO TITAN	NEG_X TO SUN	
NEW WAYPOINT		2017-254T05:17:00		001T16:59:00	2017-255T22:16:00	NEG_Y TO TITAN	NEG_X TO SUN	
ISS_292TI_CLOUD001_PIE	C, V	2017-254T05:17:00		000T01:05:00	2017-254T06:22:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_292TI_MDIRTMAP001_PRIME	I, V	2017-254T06:22:00		000T02:54:00	2017-254T09:16:00	CIRS_FPB TO TITAN	NEG_X TO SUN	
ISS_292TI_LRMONITOR001_PRIME	C, V	2017-254T09:16:00		000T01:00:00	2017-254T10:16:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_292TI_MIRLMBMAP001_PIE	I, V	2017-254T10:16:00		000T05:00:00	2017-254T15:16:00	CIRS_FPB TO TITAN	PIC	COLLABORATIVE RIDER(S): ISS. CIRS_FPB TO 85N
ISS_292TI_CLOUD002_PIE	C, U, V	2017-254T15:16:00		000T05:17:00	2017-254T20:33:00	ISS_NAC TO TITAN	NEG_X TO SUN	
292TI (NT) TITAN OUTBOU...		2017-254T19:03:43		000T00:00:01	2017-254T19:03:44			
RADAR_292TI_ALTIMETRY002_PIE		2017-254T20:33:00		000T01:40:00	2017-254T22:13:00	NEG_Z TO TITAN	NEG_X TO TITAN_NORTH_POLE	
ISS_292TI_CLOUD003_PIE	C, U, V	2017-254T22:13:00		000T01:33:00	2017-254T23:46:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_292TI_FIRNADMAP001_PRIME	E, V	2017-254T23:46:00		000T03:00:00	2017-255T02:46:00	CIRS_FP1 TO TITAN	NEG_X TO SUN	
ISS_292TI_LRMONITOR002_PRIME	C, V	2017-255T02:46:00		000T01:00:00	2017-255T03:46:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_292TI_COMPMPAP001_PRIME	I, V	2017-255T03:46:00		000T03:00:00	2017-255T06:46:00	CIRS_FPB TO TITAN	NEG_X TO SUN	CIRS_FPB TO 89.9N
APOAPSE PER = 6.4 D, INC =...		2017-255T05:37:34		000T00:00:01	2017-255T05:37:35			
ISS_292TI_CLOUD004_PIE	C, V	2017-255T06:46:00		000T01:00:00	2017-255T07:46:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_292TI_MDIRTMAP002_PRIME	I, V	2017-255T07:46:00		000T05:00:00	2017-255T12:46:00	CIRS_FPB TO TITAN	NEG_X TO SUN	
ISS_293TI_LRMONITOR003_PRIME	C, V	2017-255T12:46:00		000T01:00:00	2017-255T13:46:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_293TI_MDIRTMAP003_PRIME	I, V	2017-255T13:46:00		000T04:30:00	2017-255T18:16:00	CIRS_FPB TO TITAN	NEG_X TO SUN	
ISS_293TI_LRMONITOR004_PRIME	C, V	2017-255T18:16:00		000T00:30:00	2017-255T18:46:00	ISS_NAC TO TITAN	NEG_X TO SUN	
CIRS_293TI_COMPMPAP002_PRIME	I, V	2017-255T18:46:00		000T02:20:00	2017-255T21:06:00	CIRS_FPB TO TITAN (0.0,-8.594,0.0 DE	NEG_X TO SUN	
ISS_293TI_LRMONITOR005_PRIME	C, V	2017-255T21:06:00		000T00:30:00	2017-255T21:36:00	ISS_NAC TO TITAN	NEG_X TO SUN	
SP_293EA_DLTURN255_PRIME		2017-255T21:36:00		000T00:40:00	2017-255T22:16:00	XBAND TO EARTH	NEG_Y TO SATURN	
NEW WAYPOINT		2017-255T22:16:00		000T14:49:00	2017-256T13:05:00	XBAND TO EARTH	NEG_Y TO SATURN	
SP_293EA_YGAP255_PRIME		2017-255T22:16:00		000T01:40:00	2017-255T23:56:00	XBAND TO EARTH	NEG_Y TO SATURN	
SP_293EA_G70METNON255_PRIME	C	2017-255T23:56:00		000T04:41:00	2017-256T04:37:00	XBAND TO EARTH	ROLLING/SRU	SRU, CIRS HEATING
SP_293EA_C70METNON256_PRIME	C	2017-256T04:37:00		000T07:48:00	2017-256T12:25:00	XBAND TO EARTH	ROLLING/SRU	SRU, CIRS HEATING
ISS_293TI_M90R1CLD256_PRIME	C, V	2017-256T16:30:00	E293_M90R1CLD256+000T00:00:00	000T02:00:00	2017-256T18:30:00	ISS_NAC TO TITAN	NEG_X TO NSP	