

**00BTI\_TB**

C/A Altitude = 1200 km

Start Time	End Time	Prime Activity
2004-345T06:06:00	2004-345T08:03:00	OPNAV
2004-345T08:03:00	2004-345T20:10:00	ISS
2004-345T20:10:00	2004-345T21:05:00	SP Turn to Earth for Downlink
2004-345T21:05:00	2004-346T06:35:00	Madrid 34M HEF
2004-346T06:35:00	2004-346T08:03:00	OPNAV
2004-346T08:03:00	2004-347T00:00:00	ISS
2004-347T00:00:00	2004-347T01:30:00	ISS
2004-347T01:30:00	2004-347T04:36:00	OPNAV
2004-347T04:36:00	2004-347T13:36:00	Goldstone 70M
2004-347T13:36:00	2004-347T14:57:00	SP Turn to Waypoint
2004-347T14:57:00	2004-347T15:12:00	OD Uncertainty Dead Time
-20:25	-12:00	CIRS
-12:00	-08:00	CIRS
-08:00	-04:00	UVIS
-04:00	-02:00	ISS
		Begin Custom Period
-02:00	-00:30	ISS
-00:30	-00:09	RWA to RCS Transition
-00:09	-00:01	UVIS Turn to UVIS Attitude
<b>2004-348T11:38:13</b>		<b>CLOSEST APPROACH</b>
-00:01	+00:27	UVIS Occultations
+00:27	+00:50	RCS to RWA Transition
+00:50	+02:30	VIMS
+02:30	+05:00	UVIS
		End Custom Period
+05:00	+07:00	CIRS
+07:00	+10:30	VIMS
2004-348T22:08:00	2004-348T22:23:00	OD Uncertainty Dead Time
2004-348T22:23:00	2004-348T22:52:00	SP Turn to Earth for Downlink
2004-348T22:52:00	2004-349T07:52:00	Madrid 70M

Observation Detail	Operational Mode	Telemetry Mode
Includes Turn to Waypoint: ISS_NAC to Titan, NEG_X to Sun	DFPW_Normal	S_N_ER_5
Titan Movie	DFPW_Normal	S_N_ER_3
XBAND to Earth, POS_X to NEP	DFPW_Normal	S_N_ER_3
	DFPW_TCM	RTE_N_SPB
Includes Turn to Waypoint: ISS_NAC to Titan, NEG_X to Sun	DFPW_Normal	S_N_ER_5
Titan Movie	DFPW_Normal	S_N_ER_3
Ring Radial Color Scan	DFPW_Normal	S_N_ER_3
Includes Turn to Earth: XBAND to Earth, POS_X to NEP	DFPW_Normal	S_N_ER_5
	DFPW_Normal	RTE_N_SPB
ISS_NAC to Titan, NEG_X to Sun	DFPW_Normal	S_N_ER_3
	DFPW_Normal	S_N_ER_3
Mid-IR Temperature Map	DFPW_Normal	S_N_ER_3
Far-IR Nadir Compositional Scan	DFPW_Normal	S_N_ER_3
EUVFUV	DFPW_Normal	S_N_ER_3
Regional Map	DFPW_Normal	S_N_ER_3
High Resolution Imaging	DFPW_Normal	S_N_ER_3
	DFPW_Normal	S_N_ER_3
Pick up at ISS_NAC to Titan-Latitude/Longitude (27, 141), NEG_X to Sun	DFPW_Normal	S_N_ER_3
UVIS_FUV to 201.3/-11.2 Two Occultations: Alpha Vir, then Lambda Sco. Turn to 2nd occultation by +27min	DFPW_Normal	S_N_ER_3
	DFPW_Normal	S_N_ER_3
Darkside Imaging Pickup at UVIS_FUV to 263.402/-37.104, NEG_X to Sun w/(0.1868, 30.0, 0.0 deg) offset	DFPW_Normal	S_N_ER_3
EUVFUV	DFPW_Normal	S_N_ER_3
Mid-IR Limb Integration	DFPW_Normal	S_N_ER_3
Darkside Imaging	DFPW_Normal	S_N_ER_3
	DFPW_Normal	S_N_ER_3
XBAND to Earth, POS_X to NEP	DFPW_Normal	S_N_ER_3
	DFPW_Normal	RTE_N_SPB

Delivered: October 14, 2004

Comments
Old segment start was 07:51
OTM-7 backup; pass extended to 9.5 hrs to help data volume problem
Shortened 30 min.
set deadband to (0.5, 2.0, 0.5 mrad), ISS to observe through transition
UVIS to observe through transition
Rolling