

041TI\_T27

C/A Altitude = 953 km

Delivered: March 15, 2004

| Start Time        | End Time          | Prime Activity                              | Observation Detail  | Operational Mode | Telemetry Mode | Comments   |
|-------------------|-------------------|---|---|------------------|----------------|--|
| 2007-084T08:20:00 | 2007-084T08:50:00 | SP Turn to Waypoint                         | ISS_NAC to Titan, NEG_X to Sun<br>(0, 5, 0 deg offset)              | DFPW Normal      | S_N_ER_3       |  |
| 2007-084T08:50:00 | 2007-084T09:05:00 | OD Uncertainty Dead Time                    |   | DFPW Normal      | S_N_ER_3       |  |
| -15:16            | -13:00            | CIRS  | Template M (from -15:00 to -13:00), Mid-IR<br>Temperature Map       | DFPW Normal      | S_N_ER_3       |  |
| -13:00            | -10:00            | CIRS  | Template N, pointing uses FP1 Body Vector                           | DFPW Normal      | S_N_ER_3       |  |
| -10:00            | -09:00            | ISS   | Template N, Photometry  | DFPW Normal      | S_N_ER_3       |  |
| -09:00            | -05:00            | CIRS  | Template R, Mid-IR Limb   | DFPW Normal      | S_N_ER_3       |  |
| -05:00            | -04:00            | ISS   | Template U, Regional Map  | DFPW Normal      | S_N_ER_3       |  |
| -04:00            | -03:34            | RWA to RCS Transition                       |   | RSS3RCS          | S_N_ER_3       | duration = 26 minutes (21min + 5min margin);<br>set deadband to (0.5, 0.5, 2.0 mrad) |
| -03:34            | -01:11            | UVIS  | Template U, EUVFUV  | RSS3RCS          | S_N_ER_3       |  |
| -02:50            | -00:50            | RSS Warm-Up                                 |   | RSS3RCS          | S_N_ER_3       |  |
| -01:11            | -00:58            | SP Turn to Waypoint                         | NEG_Z to Earth, NEG_Y to SC_RAM<br>(0, 0, 30 deg offset) - See Lien | RSS3RCS          | S_N_ER_3       |  |
| -00:58            | -00:50            | RSS   | Turn to Bistatic  | RSS3RCS          | S_N_ER_2       |  |
| -00:50            | -00:23            | RSS   | Bistatic  | RSS3RCS          | S_N_ER_2       |  |
| -00:23            | +00:12            | RSS   | Occultation   | RSS3RCS          | S_N_ER_2       |  |
| 2007-085T00:21:52 |                   | <b>CLOSEST APPROACH</b>                     |   |                  |                |  |
| +00:12            | +00:50            | RSS   | Bistatic  | RSS3RCS          | S_N_ER_2       |  |
| +00:50            | +01:00            | RSS   | RSS returns to Waypoint   | RSS3RCS          | S_N_ER_2       |  |
| +01:00            | +01:10            | SP Turn to Waypoint (CIRS<br>Limb Attitude) | NEG_Y to Titan, NEG_X to Sun  | RSS3RCS          | S_N_ER_2       |  |
| +01:10            | +01:33            | RCS to RWA Transition                       |   | DFPW Normal      | S_N_ER_3       | duration = 23 minutes  |
| +01:33            | +03:00            | CIRS  | Template K, Limb  | DFPW Normal      | S_N_ER_3       |  |
| +03:00            | +05:00            | UVIS  | Template K, EUVFUV  | DFPW Normal      | S_N_ER_3       |  |
| +05:00            | +08:00            | UVIS  | Template G, EUVFUV  | DFPW Normal      | S_N_ER_3       |  |
| +08:00            | +09:00            | ISS   | Template G, pointing uses WAC                                       | DFPW Normal      | S_N_ER_3       |  |
| +09:00            | +11:00            | CIRS  | Template D (updated), pointing uses FP1<br>Body Vector              | DFPW Normal      | S_N_ER_3       |  |
| +11:00            | +13:00            | ISS   | Template D (updated), Mosaic  | DFPW Normal      | S_N_ER_3       |  |
| +13:00            | +14:00            | VIMS  | Template D (updated), Stare   | DFPW Normal      | S_N_ER_3       |  |
| +14:00            | +21:15            | VIMS  | Template B (modified), Global Map                                   | DFPW Normal      | S_N_ER_3       |  |
| 2007-085T21:37:00 | 2007-085T21:52:00 | OD Uncertainty Dead Time                    |   | DFPW Normal      | S_N_ER_3       |  |
| 2007-085T21:52:00 | 2007-085T22:22:00 | SP Turn to Earth for<br>Downlink            | NEG_Z to Earth, NEG_X to Sun  | DFPW Normal      | S_N_ER_3       |  |
| 2007-085T22:22:00 | 2007-086T07:22:00 | Goldstone 70M                               |   | DFPW Normal      | RTE_N_SPB      | Rolling  |