

149TI T77

C/A Altitude = 1359 km

Delivered: November 01, 2010

| Start Time | End Time | Prime Activity | Observation Detail | Operational Mode | Telemetry Mode | Comments |
|-------------------|-------------------|--------------------------------|---|------------------|-------------------------------------|---|
| 2011-171T05:42:00 | 2011-171T06:22:00 | SP Turn to Waypoint | NEG_Y to Titan, POS_X to 217.0/-83.7 | DFPW Normal | S_N_ER_3 | |
| 2011-171T06:22:00 | C/A-12:05:01 | OD Uncertainty Dead Time | | DFPW Normal | S_N_ER_3 | Reduced deadtime, 5 minutes |
| C/A-12:05:01 | -09:00 | UVIS | Template X extended (TN1c, TC1a) | RADWU | S_N_ER_5A for 15 min, then S_N_ER_3 | |
| -09:00 | -02:30 | UVIS | Template X (TN1c, TC1a) | RADWU | S_N_ER_3 | |
| -02:30 | -01:12 | RADAR Scatterometry/Radiometry | (TN2c, TN1a) | RADRWA | S_N_ER_8 | RADAR may use the extra 15 min for turn |
| -01:12 | -00:30 | RADAR High-Altitude SAR | (TC1a, TN1a, TN1b, TN2b) | RADRWA | S_N_ER_8 | |
| -00:30 | -00:18 | RADAR Altimetry | (TN2b) | RADRWA | S_N_ER_8 | |
| -00:18 | 0 | RADAR SAR | (TC1a, TN1a, TN1b, TN2b) | RADRWA | S_N_ER_8 | |
| 2011-171T18:32:01 | | CLOSEST APPROACH | NEG_Z to Titan, NEG_X to Titan SC RAM (TC2a) | | | global shape, stereo over Xanadu |
| 0 | +00:18 | RADAR SAR | (TC1a, TN1a, TN1b, TN2b) | RADRWA | S_N_ER_8 | |
| +00:18 | +00:30 | RADAR Altimetry | (TN2b) | RADRWA | S_N_ER_8 | |
| +00:30 | +01:12 | RADAR High-Altitude SAR | (TC1a, TN1a, TN1b, TN2b) | RADRWA | S_N_ER_8 | |
| +01:12 | +02:30 | RADAR Scatterometry/Radiometry | (TN2c, TN1a) | RADRWA | S_N_ER_8 | RADAR may use the extra 15 min for turn |
| +02:30 | +05:00 | CIRS | Template E | DFPW Normal | S_N_ER_3 | |
| +05:00 | +09:00 | CIRS | Template F | DFPW Normal | S_N_ER_3 | |
| +09:00 | +14:00 | VIMS | Template V | DFPW Normal | S_N_ER_3 | |
| +14:00 | C/A+23:44:59 | CIRS | Template A2 | DFPW Normal | S_N_ER_3 | |
| C/A+23:44:59 | 2011-172T18:32:00 | OD Uncertainty Dead Time | | DFPW Normal | S_N_ER_3 | |
| 2011-172T18:32:00 | 2011-172T19:12:00 | SP Turn to Earth for Downlink | XBAND to Earth, NEG_Y to Saturn (0.0, 0.0, -9.5 deg offset) | DFPW Normal | S_N_ER_3 | Secondary pointing is MIMI preference. |
| 2011-172T19:12:00 | 2011-172T20:42:00 | Y-Bias Window | | DFPW Normal | S_N_ER_3 | |
| 2011-172T20:42:00 | 2011-173T05:42:00 | Goldstone 70M | | DFPW Normal | RTE_N_SPB | Rolling for 1st 6 hours of downlink |
| 2011-173T05:42:00 | 2011-173T07:42:00 | Canberra 70M | | DFPW Normal | RTE_N_SPB | Rolling; Dual playback for RADAR, -00:18 to +00:18 |