

129TI T67

C/A Altitude = 7461.9 km

Delivered: June 12, 2009

| Start Time | End Time | Prime Activity | Observation Detail | Operational Mode | Telemetry Mode | Comments |
|--------------------------|-------------------|--|--|------------------|----------------|---|
| 2010-095T02:49:00 | 2010-095T02:55:00 | IVP Update - Beginning of S59 Sequence | XBAND to Earth, POS_X to NEP | DFPW Normal | S_N_ER_3 | Pointing chosen to match Downlink attitude at end of S58 (Saturn_128_129 segment) |
| 2010-095T02:55:00 | 2010-095T03:29:00 | SP Turn to Waypoint | NEG_Y to Titan, NEG_X to Sun | DFPW Normal | S_N_ER_3 | 23.6 min., no FR violations, safe Waypoint for entire segment |
| 2010-095T03:29:00 | C/A - 12:06:21 | OD Uncertainty Dead Time | | DFPW Normal | S_N_ER_3 | |
| C/A - 12:06:21 | -10:00 | CIRS | Template N | DFPW Normal | S_N_ER_3 | |
| -10:00 | -09:00 | ISS | Template N | DFPW Normal | S_N_ER_3 | |
| -09:00 | -05:00 | CIRS | Template R | DFPW Normal | S_N_ER_3 | |
| -05:00 | -02:15 | CIRS | Template T | DFPW Normal | S_N_ER_3 | |
| -02:15 | -01:15 | CIRS | | DFPW Normal | S_N_ER_3 | Northern Latitudes |
| -01:15 | -00:45 | CIRS | | DFPW Normal | S_N_ER_3 | Northern Latitudes |
| -00:45 | -00:15 | CIRS | | DFPW Normal | S_N_ER_3 | Northern Latitudes |
| -00:15 | -00:10 | ISS Turn to ISS attitude | NEG_Y to Titan, NEG_X to SUN | DFPW Normal | S_N_ER_3 | |
| -00:10 | 0 | ISS | | DFPW Normal | S_N_ER_3 | |
| 2010-095T15:50:38 | | CLOSEST APPROACH | | | | |
| 0 | +02:00 | ISS | | DFPW Normal | S_N_ER_3 | |
| +02:00 | +04:00 | ISS | Template J | DFPW Normal | S_N_ER_3 | |
| +04:00 | +05:00 | CIRS | Template J | DFPW Normal | S_N_ER_3 | |
| +05:00 | +09:00 | ISS | Template H | DFPW Normal | S_N_ER_3 | |
| +09:00 | +14:00 | VIMS | Template V | DFPW Normal | S_N_ER_3 | |
| +14:00 | C/A + 14:48:39 | VIMS | Template B | DFPW Normal | S_N_ER_3 | |
| C/A + 14:48:39 | 2010-096T06:54:00 | OD Uncertainty Dead Time | | DFPW Normal | S_N_ER_3 | |
| 2010-096T06:54:00 | 2010-096T07:22:00 | SP Turn to Earth for Downlink | Part 1 of 2-part Turn: Turn to XBAND to Earth, NEG_Y to Saturn, (0.0,-45 deg offset) | DFPW Normal | S_N_ER_3 | 25.6 min turn duration. (need to break up Downlink turn to avoid ORS FR violations) |
| 2010-096T07:22:00 | 2010-096T07:34:00 | SP Turn to Earth for Downlink | Part 2 of 2-part Turn: Turn to Downlink attitude secondary: NEG_Y to 270.5/-10.9 | DFPW Normal | S_N_ER_3 | 6.14 min turn duration. Secondary pointing is RA/DEC equivalent of MIM-preferred NEG_Y to Saturn with (0.0, 0.0, -9.5 deg) offset |
| 2010-096T07:34:00 | 2010-096T16:34:00 | Canberra 70M Array | XBAND to Earth, NEG_Y to 270.5/-10.9 | DFPW Normal | RTE_N_SPB | Array for RSS GSE (Gravity Science Enhancement) |