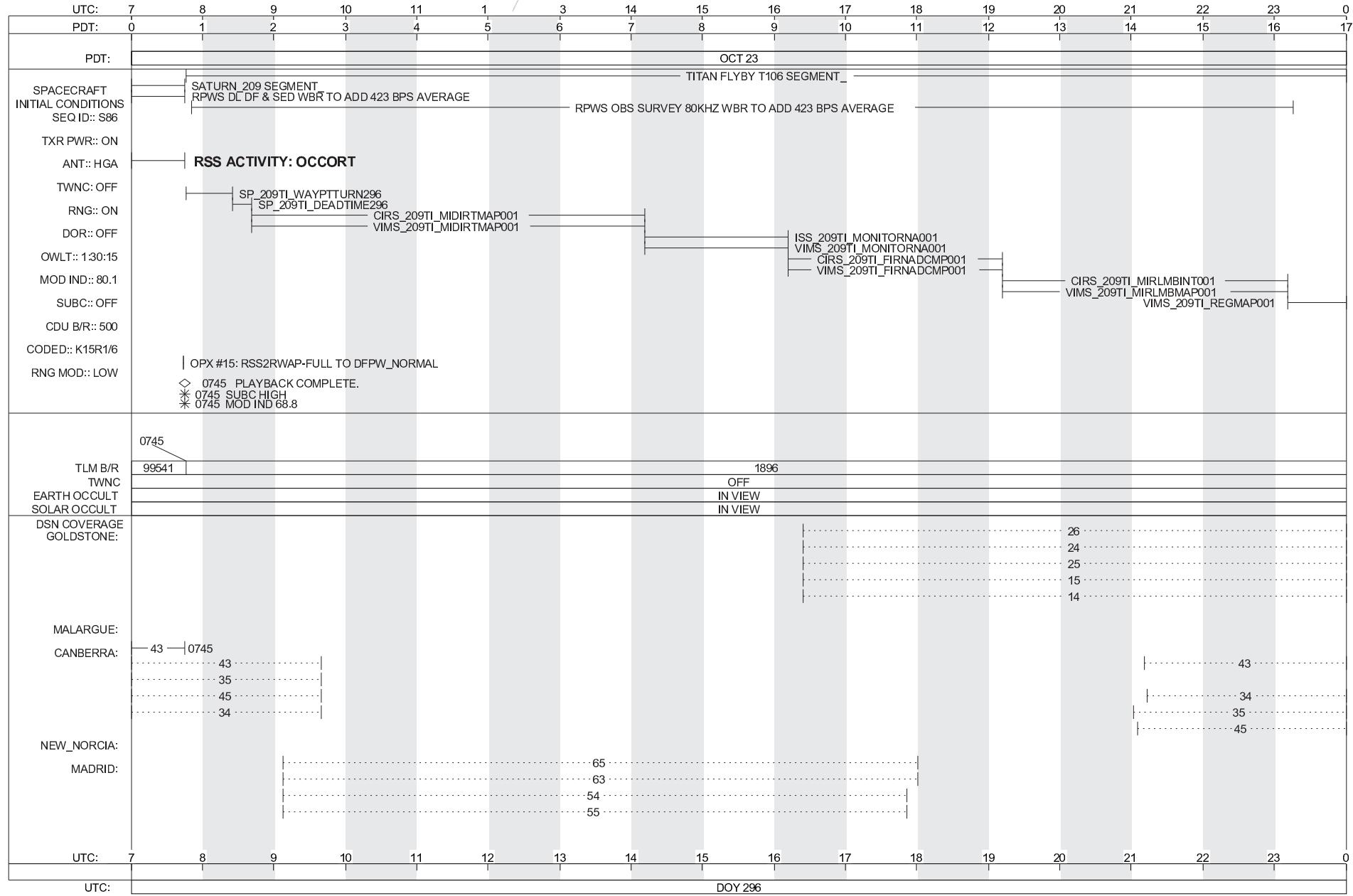


THURSDAY 296

OCTOBER 23, 2014 - OCTOBER 24, 2014



CASSINI SFOS

SOE z0860f.soe
SFOS z0860f.sfos

ISSUE DATE: 09/23/14

FRIDAY

297

OCTOBER 24, 2014 - OCTOBER 24, 2014



CASSINI SFOS

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SFOS z0860f.sfos

The timeline diagram illustrates the sequence of events for the Cassini mission during the T106 flyby on October 23, 2014. The timeline spans from UTC 0 to 7, PDT 17 to 0. Key events include RPWS observations, ACS mode transitions, and DSN coverage. The diagram includes labels for various instruments and systems like RPWS, AACCS, and DSN stations.

SPACECRAFT INITIAL CONDITIONS
SEQ ID: S86

TXR PWR:: ON

ANT:: HGA

TWNWC:: OFF

RNG:: ON

DOR:: OFF

OWLT:: 1:30:19

MOD IND:: 68.8

SUBC:: HIGH

CDU B/R:: 500

CODED:: K15R1/6

RNG MOD:: LOW

PDT: OCT 23

RPWS TITAN INTERMEDIATE DISTANCE OBSERVATION - 16542 BPS TARGET 6003 BPS LRS BASE

RPWS TITAN C/A OBSERVATION - 62177 BPS TARGET

RPWS OBS MAGBOUND WBR TO ADD 1756 BPS AVERAGE

RPWS OBS IM WBR TO ADD 10539 BPS AVERAGE

SCO_NOTE: ENGR P6 RECORD

RSS ACTIVITY: TI BIS AND OCC

RSS_209TI_BISTATIC001

CUSTOM PERIOD

SCO_NOTE: AACCS RWA-2-RCS TRANSITION

SCO_NOTE: REDUCE WALKING DEADBAND FOR T106

0044 SCO POWER: DEADBAND HAS BEEN VERIFIED TO BE [0.5 0.5 2.0]

0042 LOWER WALKING DEADBAND STEP SIZE TO .12 MRAD AND NUMBER OF STEPS TO 3 FOR RSS BISTATIC AT T106. THIS COMMAND SENT IN RWA MODE.

ASCENDING RPX (20.488 RS) 0420 ◇

RPWS OBS IM WBR TO ADD 10539 BPS AVERAGE

RPWS MAGNETOTAIL CAMPAIGN - 4904 BPS TARGET 3148 BPS LRS BASE

209TI (T) T106 TITAN OUTBOU

SCO_NOTE: AACCS RCS-2-RWA TRANSITION

ENGR_209SC_DFPWBIA297

VIMS_209TI_TRANS001

VIMS_209TI_REGMAP001

◇ 0105 END OF DFPW_NORMAL2ORS_RCS OPMODE BLOCK EXPANSION

◇ 0044 BEGINNING OF RWA_2_RCS_SPINDOWN BLOCK EXPANSION.

◇ 0110 END OF ORS_RCS2RSS3_RCS OPMODE BLOCK EXPANSION

OPX #17: ORSRCSTO RSS3RCS

2-WAY PB DELAY

OPX #18: RSS3RCS TO DFPW_NORMAL

RNG ON 0635 *

MOD IND 68.8 0635 *

TITAN T106 FLYBY (1013.0 KM) 0410 ◇

TLM B/R

TWNC

EARTH OCCULT

SOLAR OCCULT

DSN COVERAGE GOLDSTONE:

- 26
- 24
- 25
- 15
- 14

MALARGUE:

CANBERRA:

- 0045 | 43
- 0045 | 34
- 34
- 35
- 45

NEW_NORCIA:

MADRID:

UTC: 0 1 2 3 4 5 6 7

DOY 297

ISSUE DATE: 09/23/14

FRIDAY

297-298

OCTOBER 24, 2014 - OCTOBER 25, 2014



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