

MONDAY 194-195

JULY 13, 2015 - JULY 14, 2015

CASSINI SFOS

SOE z0900f.soe

SFOS z0900f.sfos



	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
PDT:																									
SPACECRAFT INITIAL CONDITIONS SEQ ID::																									
TXR PWR::																									
ANT::																									
TWNC:																									
RNG::																									
DOR::																									
OWLT:: 1:17:38																									
MOD IND::																									
SUBC::																									
CDU B/R::																									
CODED::																									
RNG MOD::																									
TLM B/R																									
TWNC																									
EARTH OCCULT																									
SOLAR OCCULT																									
DSN COVERAGE GOLDSTONE:	26																								25
	24																								26
	25																								24
	15																								15
	14																								14
MALARGUE:																									
CANBERRA:										45															45
									43																43
									34																34
									35																35
NEW_NORCIA:																									
MADRID:																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
DOY 194																									DOY 195

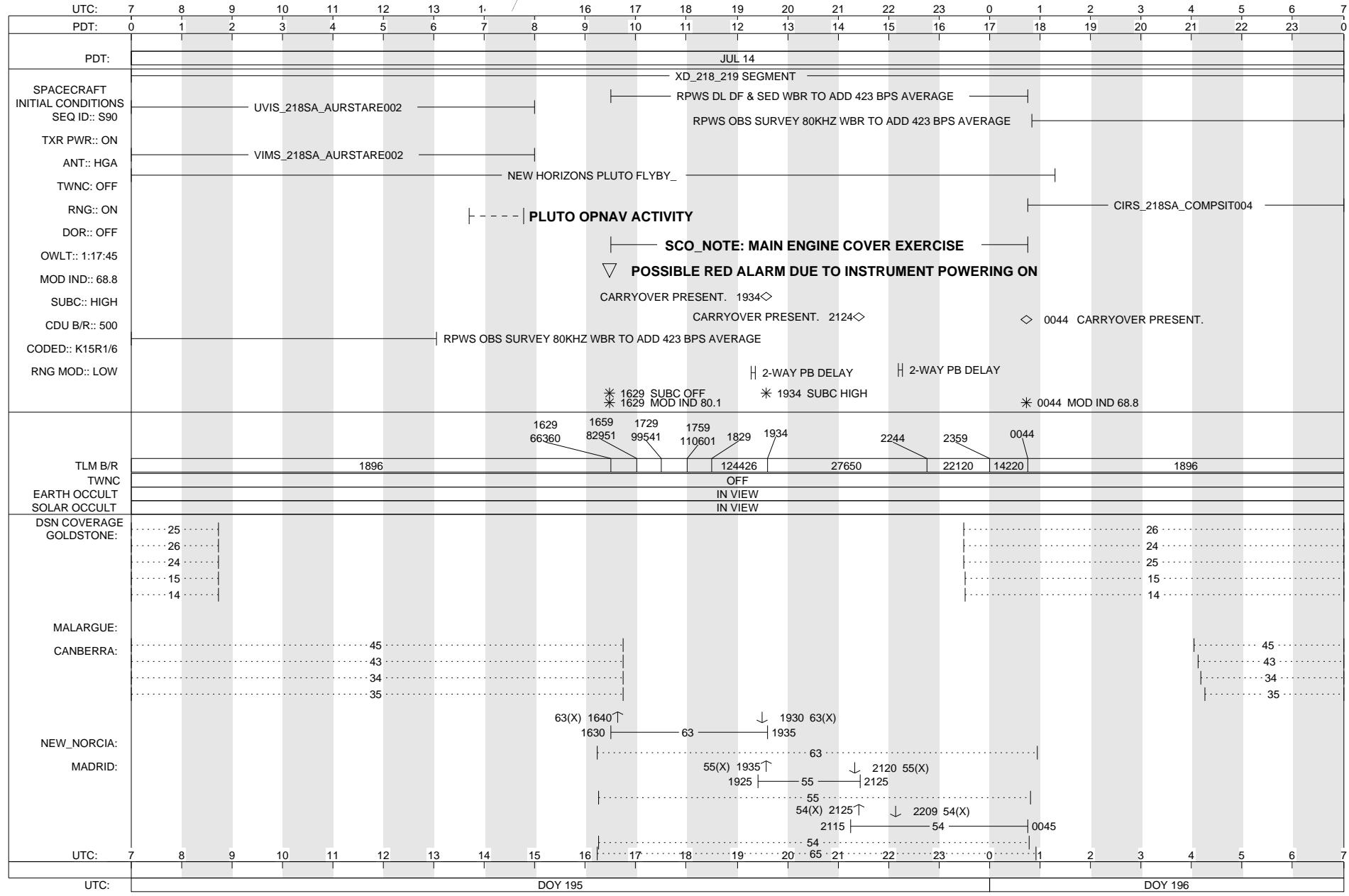
ISSUE DATE: 06/29/15

TUESDAY 195-196

JULY 14, 2015 - JULY 15, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

WEDNESDAY 196-197

JULY 15, 2015 - JULY 16, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

UTCTIME: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

PDT: JUL 15

SPACECRAFT INITIAL CONDITIONS SEQ ID: S90

TXR PWR:: ON

ANT:: HGA

TWNC: OFF

RNG:: ON CIRS_218SA_COMPSPIT004

DOR:: OFF

OWLT:: 1:17:51

MOD IND:: 68.8

SUBC:: HIGH

CDU B/R:: 500

CODED:: K15R1/6

RNG MOD:: LOW

PDT: XD_218_219 SEGMENT

PDT: RPWS OBS SURVEY 80KHZ WBR TO ADD 423 BPS AVERAGE

PDT: RPWS OBS SURVEY 80KHZ WBR TO ADD 423 BPS AVERAGE

PDT: RSS ACTIVITY: MCAL

PDT: MAG ROLLING DOWNLINK CAL

PDT: RPWS PERIODIC INSTRUMENT MAINTENANCE 0029◊ ISS_218OT_BESPOL075

PDT: RPWS INITIATE HFR CALIBRATION SIGNAL - 1 BPS TARGET 887 BPS LRS BASE

PDT: OPX #1: DFPW_NORMAL TO RSSKRWAP-FULL 2-WAY PB DELAY

PDT: OPX #2: RSSKRWAP-FULL TO DFPW_NORMAL CARRYOVER PRESENT. 0029◊

PDT: * 1614 MOD IND 80.1 * 0029 MOD IND 68.8

TLM B/R 1896 1614 1714 1814 2244 2359 14220 0029 0159 1896

TWNC EARTH OCCULT SOLAR OCCULT OFF IN VIEW IN VIEW

DSN COVERAGE GOLDSTONE: 26 24 25 15 14 26 24 25 15 14

MALARGUE:

CANBERRA: 45 43 34 35 45 43 34 35

NEW_NORCIA:

MADRID: 55(X) 1615 1640↑ 55 55(X) 2154↓ 0030 65 63 54

UTCTIME: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

DOY 196

DOY 197

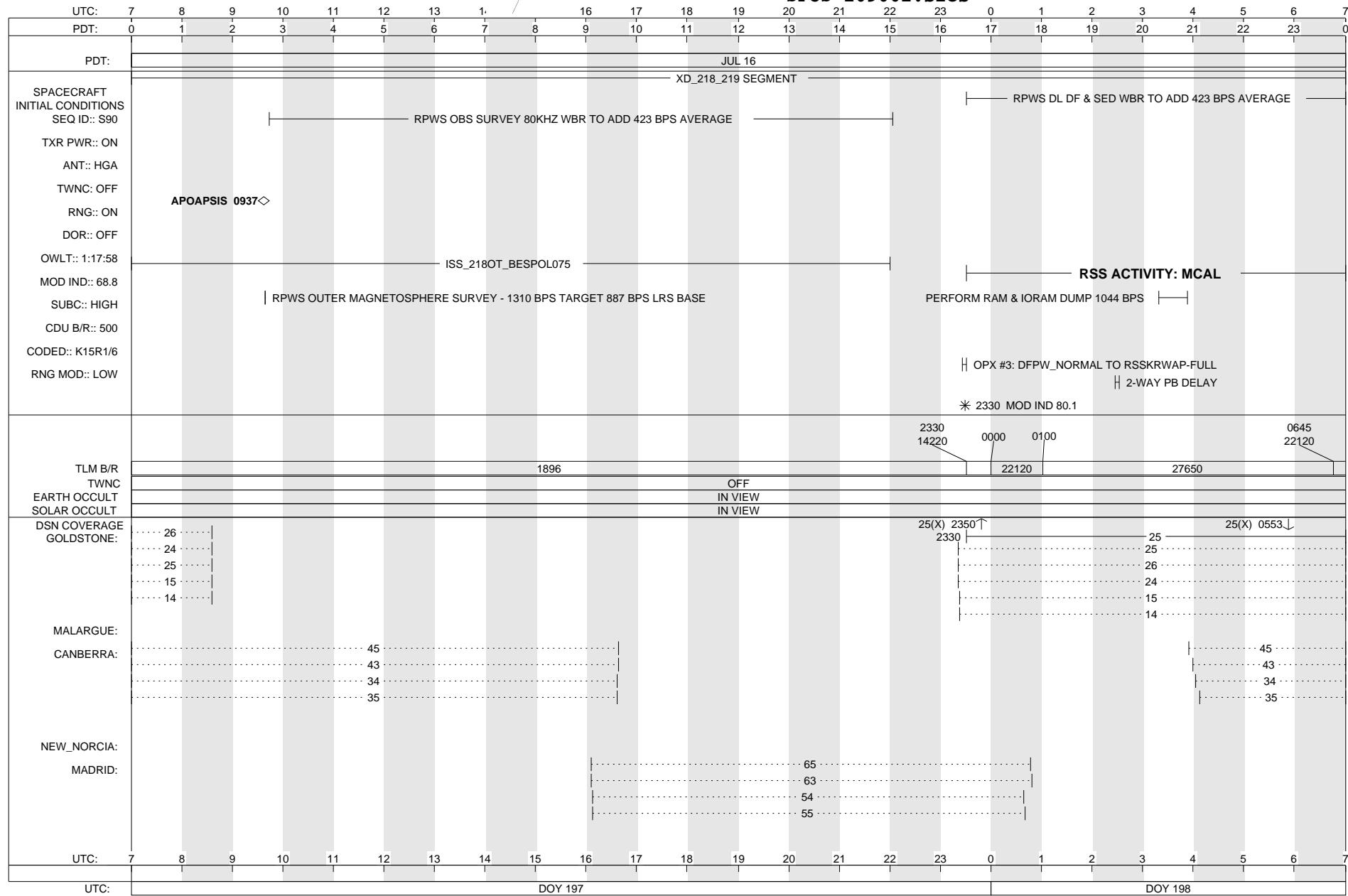
ISSUE DATE: 06/29/15

THURSDAY 197-198

JULY 16, 2015 - JULY 17, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

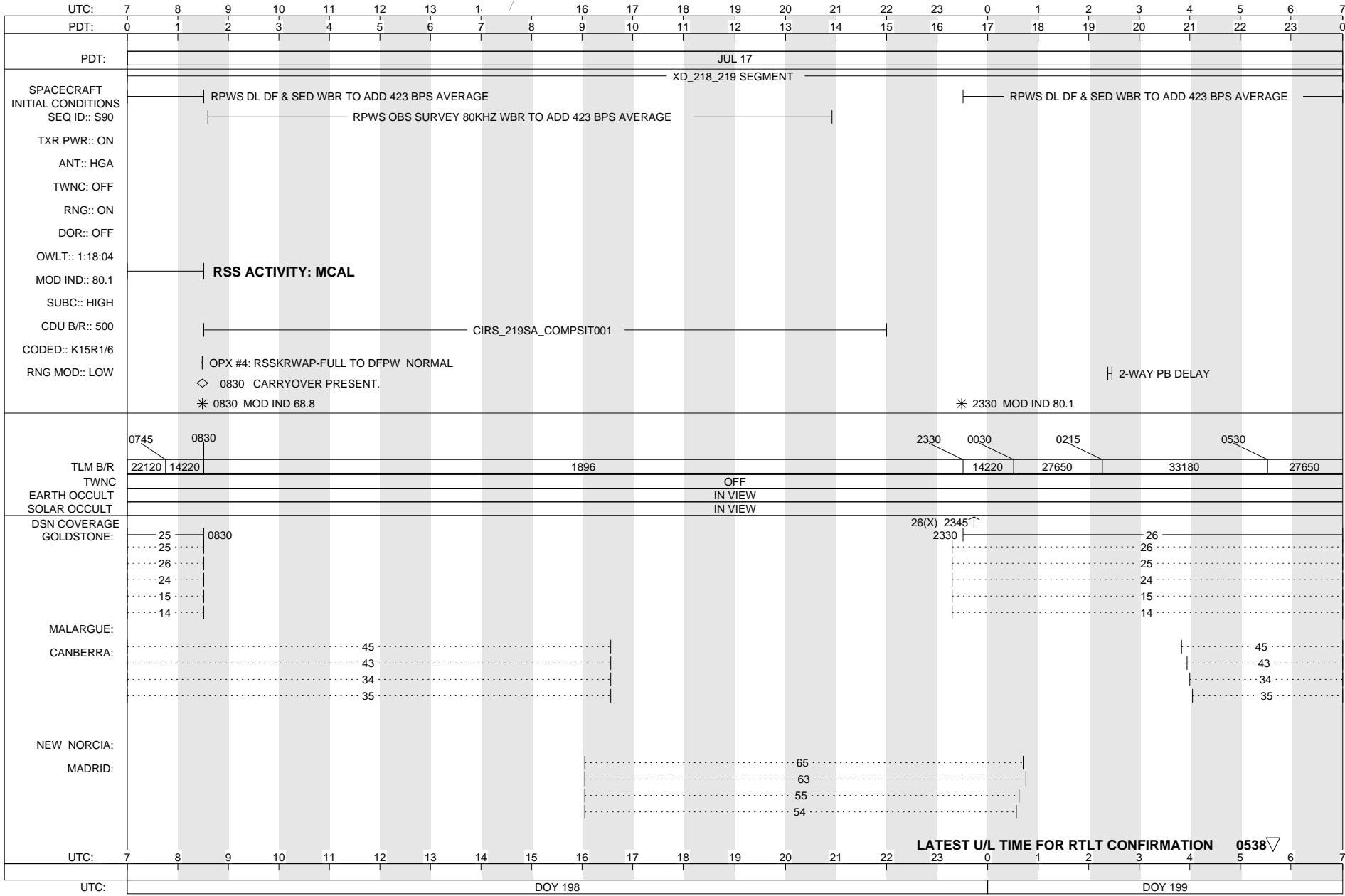
FRIDAY

198-199

JULY 17, 2015 - JULY 18, 2015



CASSINI SFOS

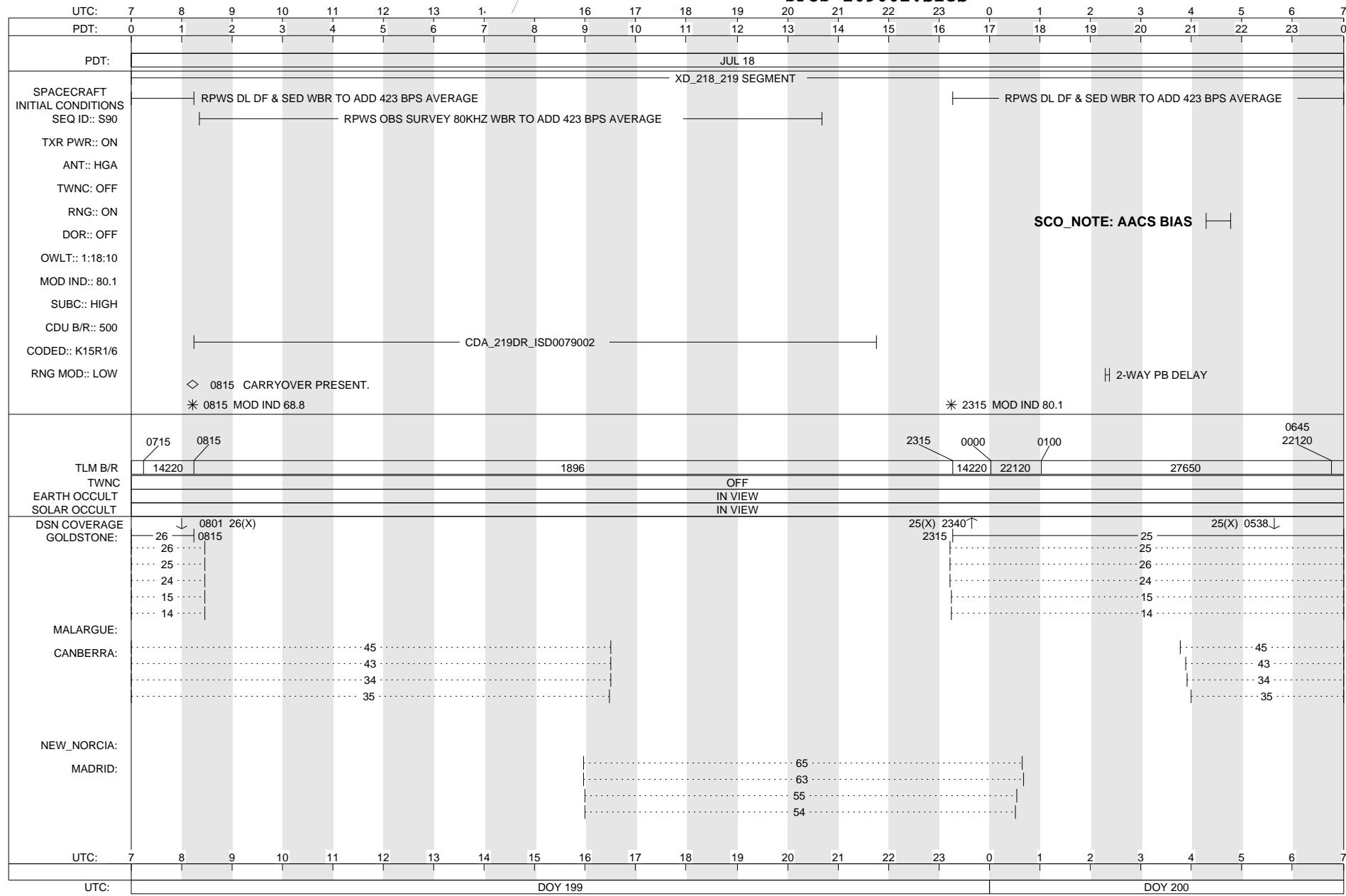
SOE z0900f.soe
SFOS z0900f.sfos

SATURDAY 199-200

JULY 18, 2015 - JULY 19, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

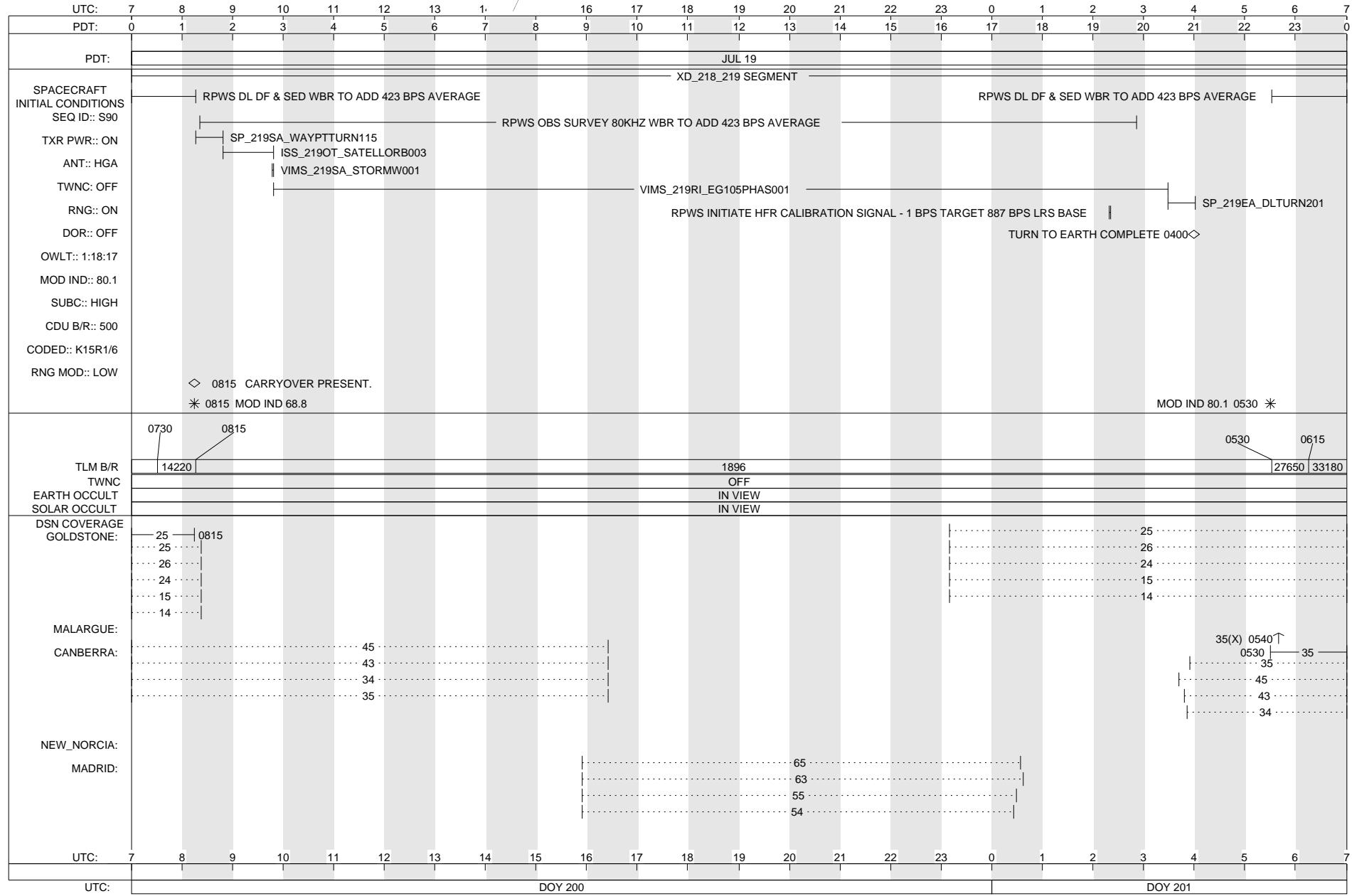
SUNDAY

200-201

JULY 19, 2015 - JULY 20, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos


ISSUE DATE: 06/29/15

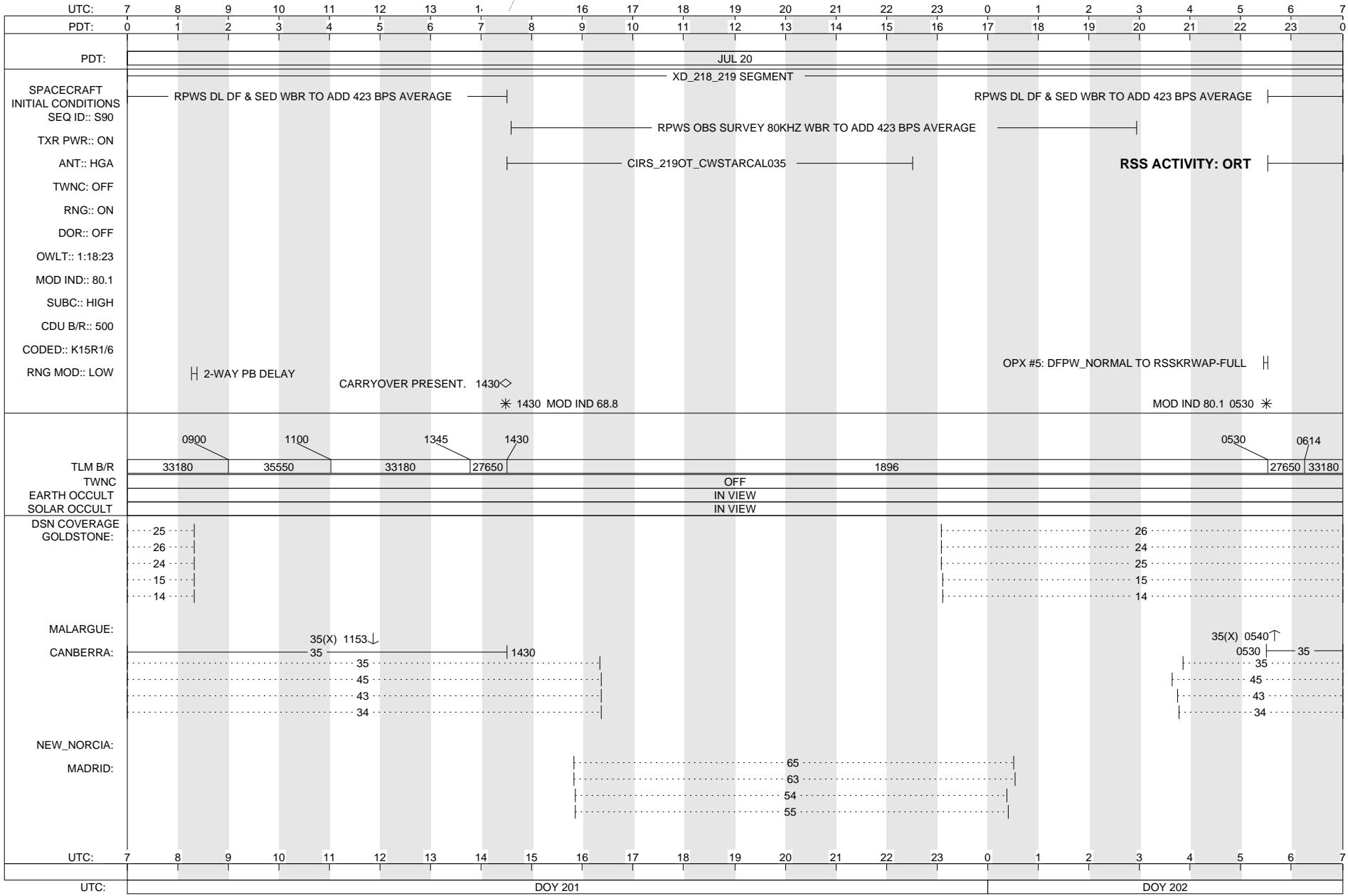
MONDAY

201-202

JULY 20, 2015 - JULY 21, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

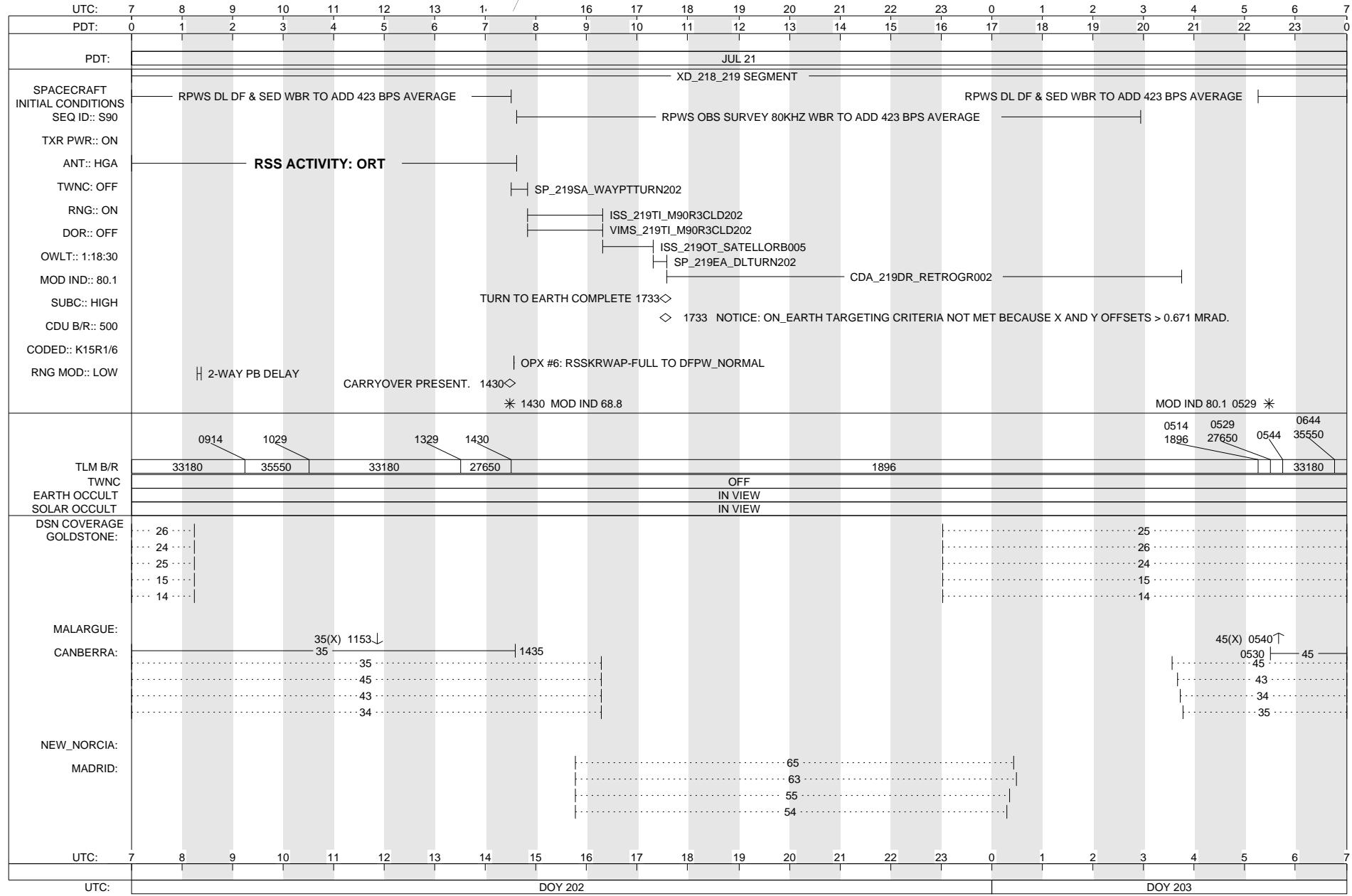
ISSUE DATE: 06/29/15

TUESDAY 202-203

JULY 21, 2015 - JULY 22, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

WEDNESDAY 203-204

CASSINI SFOS

JULY 22, 2015 - JULY 23, 2015



SOE z0900f.soe
SFOS z0900f.sfos

PDT: JUL 22

SPACECRAFT INITIAL CONDITIONS

- SEQ ID:: S90
- TXR PWR:: ON
- ANT:: HGA
- TWNC:: OFF
- RNG:: ON
- DOR:: OFF
- OWLT:: 1:18:36
- MOD IND: 80.1
- SUBC:: HIGH
- CDU B/R:: 500
- CODED:: K15R1/6
- RNG MOD:: LOW

RPWS DL DF & SED WBR TO ADD 423 BPS AVERAGE

UVIS_219SA_THERMOSPH001

UVIS_219SA_RADPROF001

VIMS_219SA_STORMW005

SP_219EA_DLTURN203

TURN TO EARTH COMPLETE 2333◊

SCO_NOTE: AACs YBIAS

OPX #7: DFPW_NORMAL TO DFPWPEM

MOD IND 80.1 0514 *

2-WAY PB DELAY

CARRYOVER PRESENT. 1414◊

*** 1414 MOD IND 68.8**

TLM B/R

TWNC

EARTH OCCULT

SOLAR OCCULT

DSN COVERAGE

GOLDSTONE:

- 25
- 26
- 24
- 15
- 14

MALARGUE:

CANBERRA:

- 45(X) 1137↓
- 45
- 45
- 43
- 34
- 35

IN VIEW

OFF

1896

0514 27650

0644 35550

0529

33180

0515

45

45(X) 0525↑

43

34

35

26

24

25

15

14

65

63

54

55

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

DOY 203

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

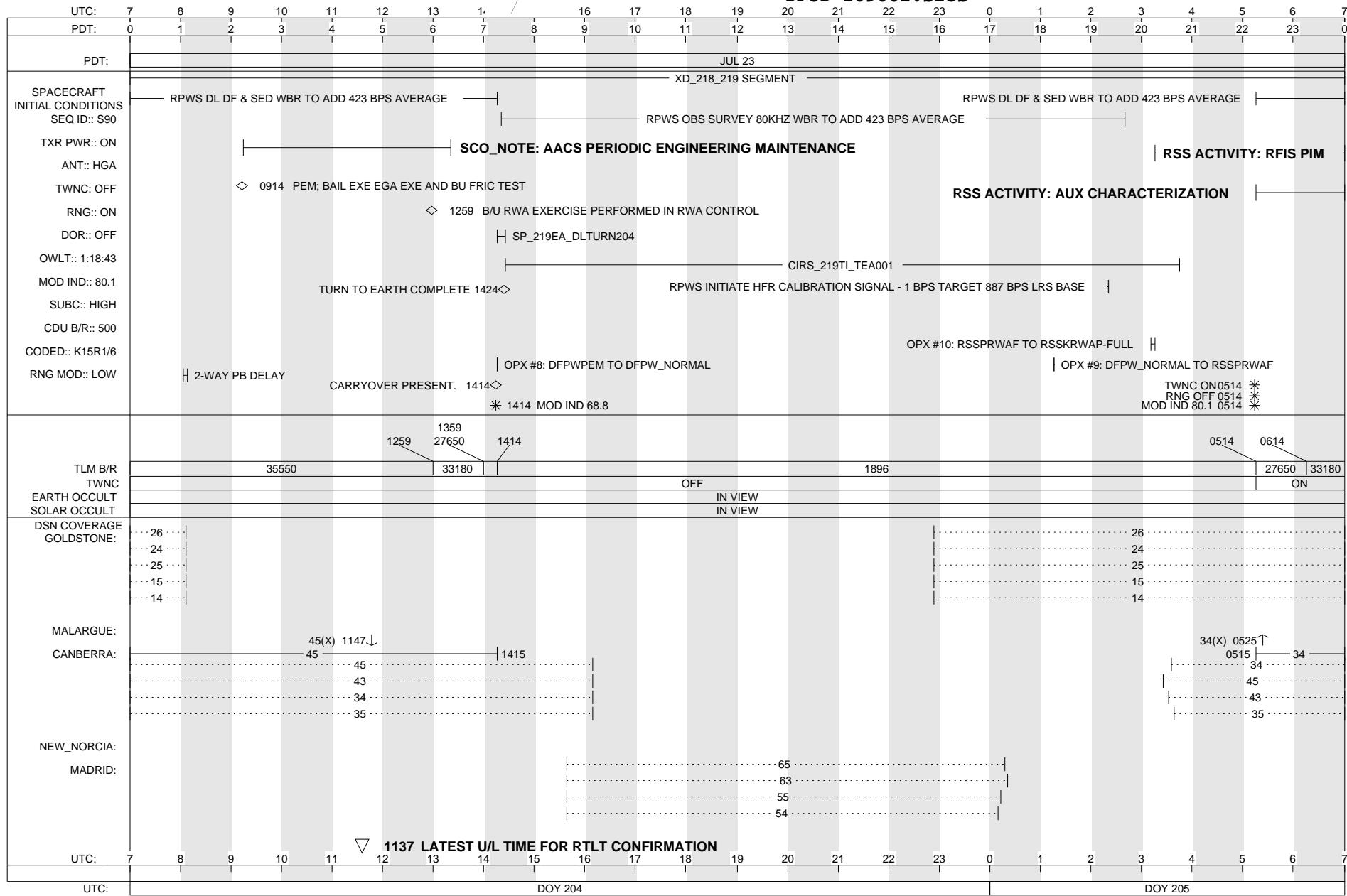
DOY 204

THURSDAY 204-205

JULY 23, 2015 - JULY 24, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

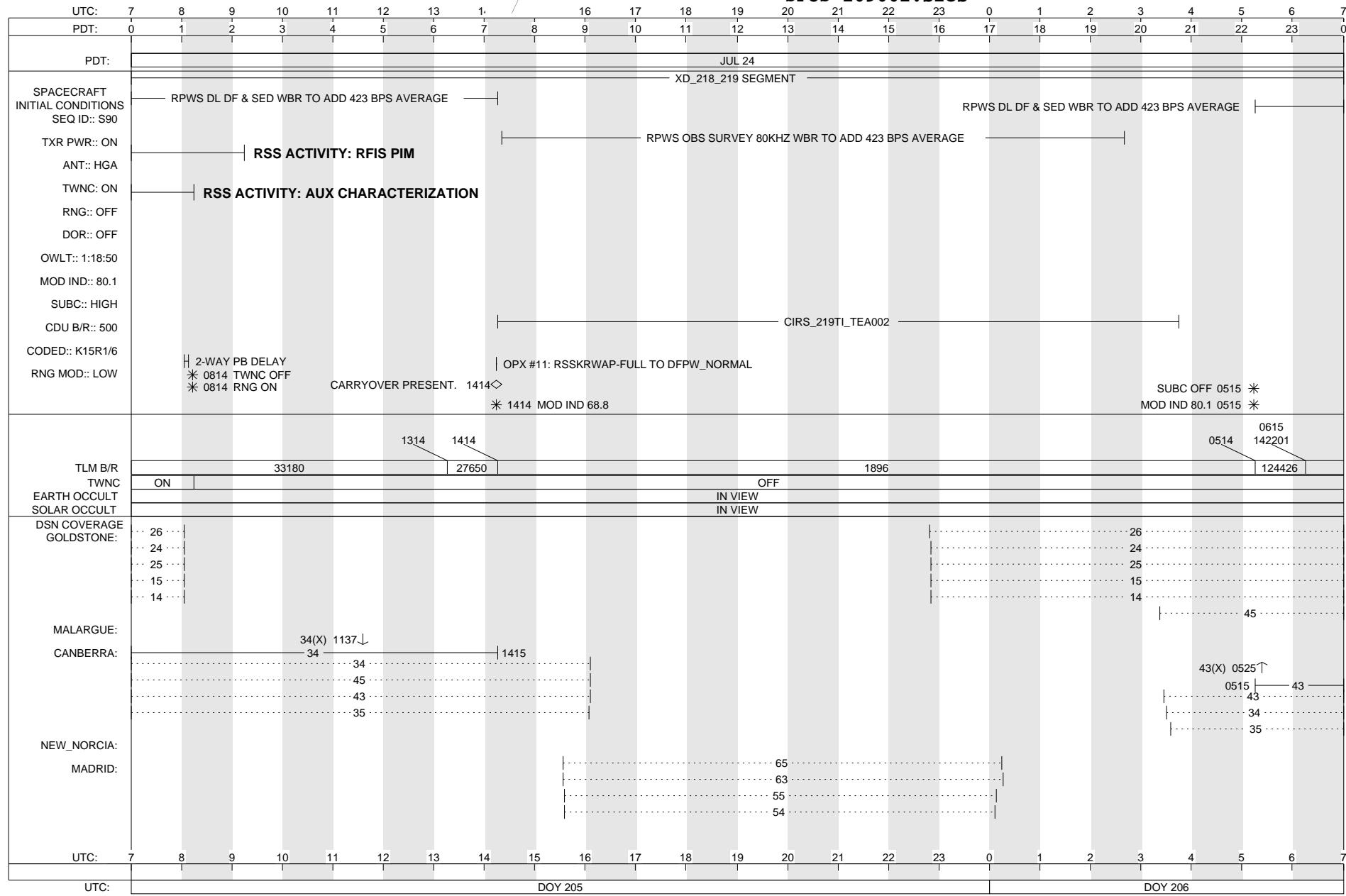
FRIDAY

205-206

JULY 24, 2015 - JULY 25, 2015



CASSINI SFOS

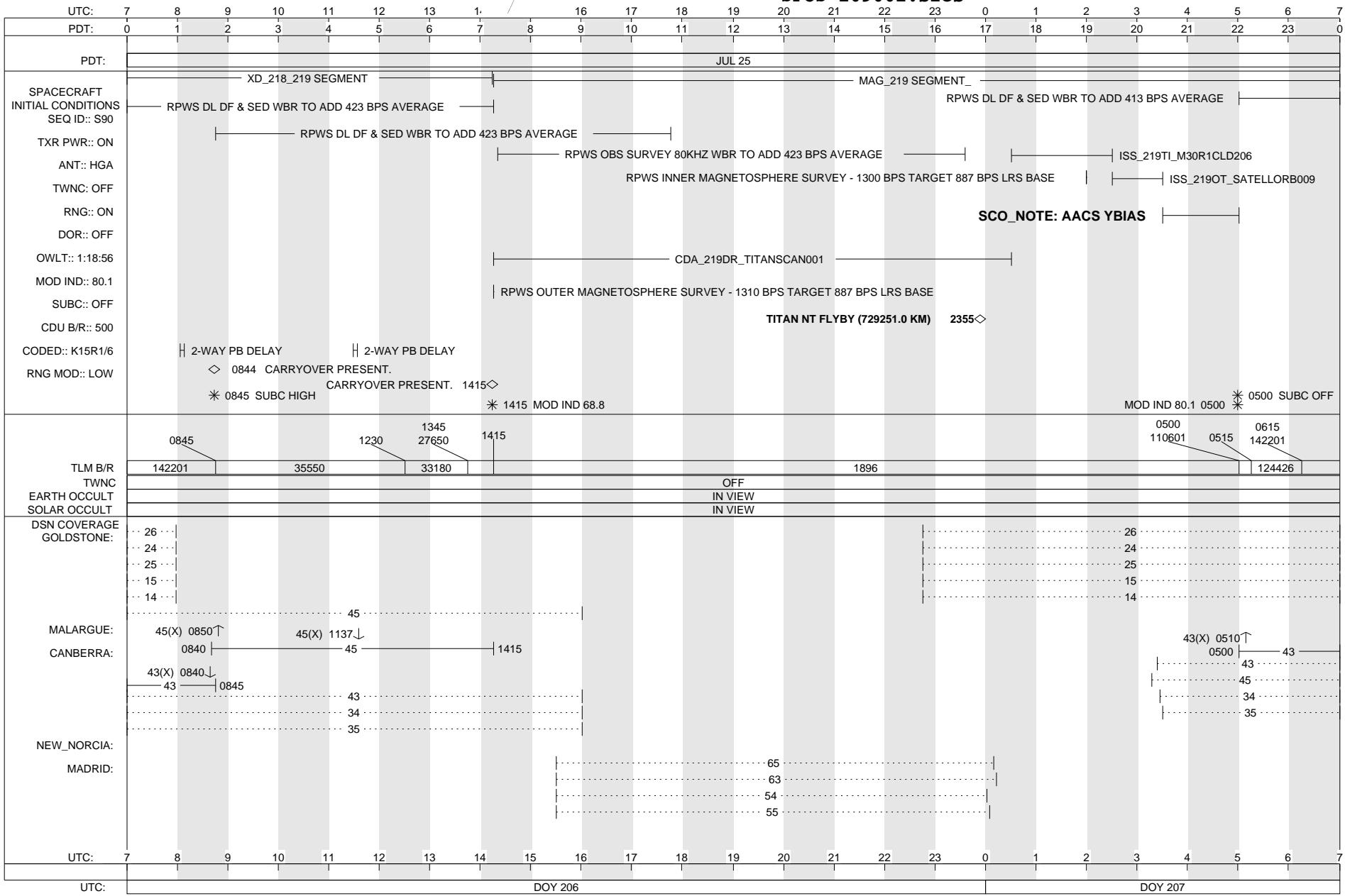
SOE z0900f.soe
SFOS z0900f.sfos


ISSUE DATE: 06/29/15

SATURDAY 206-207

JULY 25, 2015 - JULY 26, 2015

CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

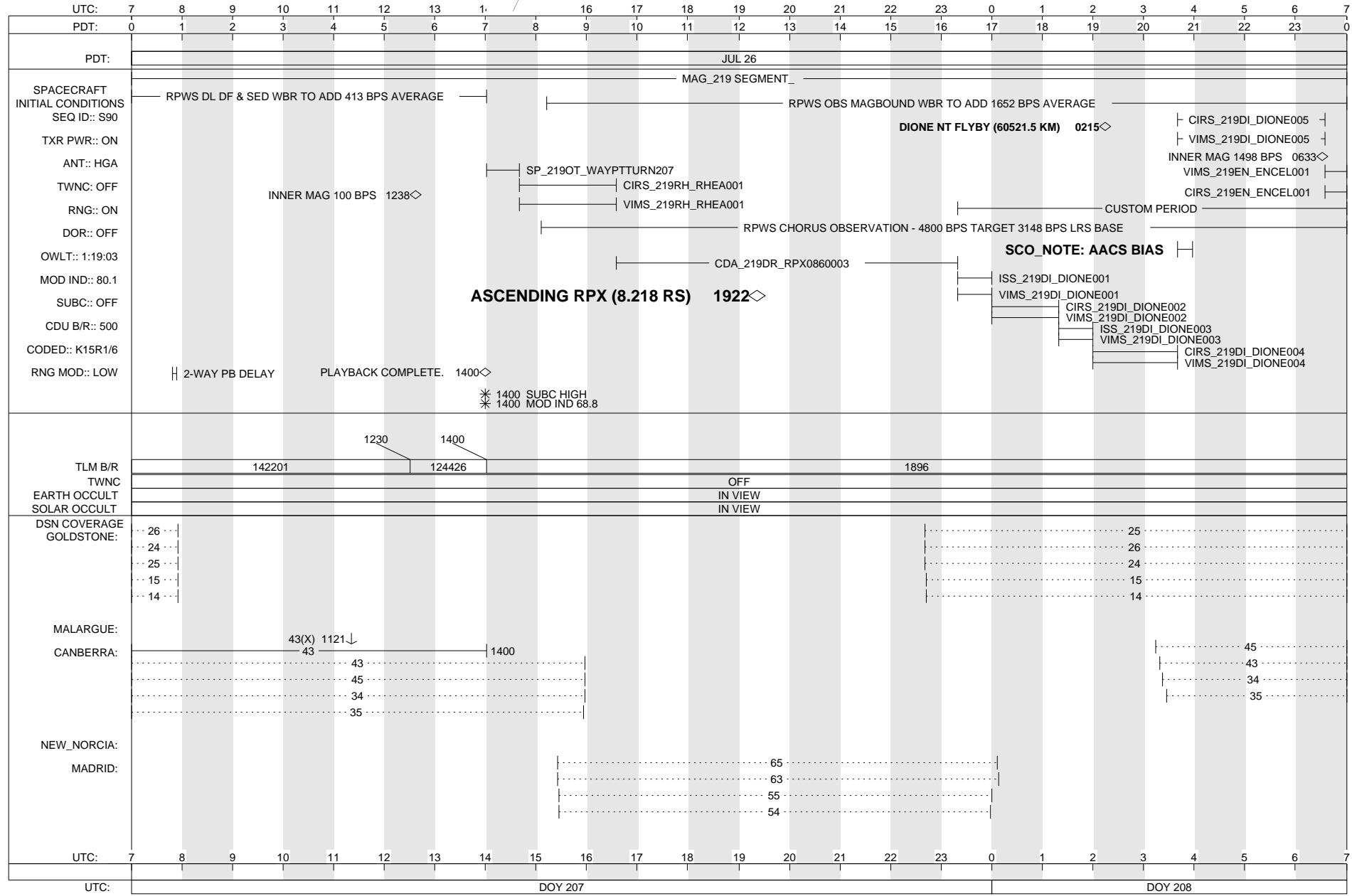
SUNDAY

207-208

JULY 26, 2015 - JULY 27, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

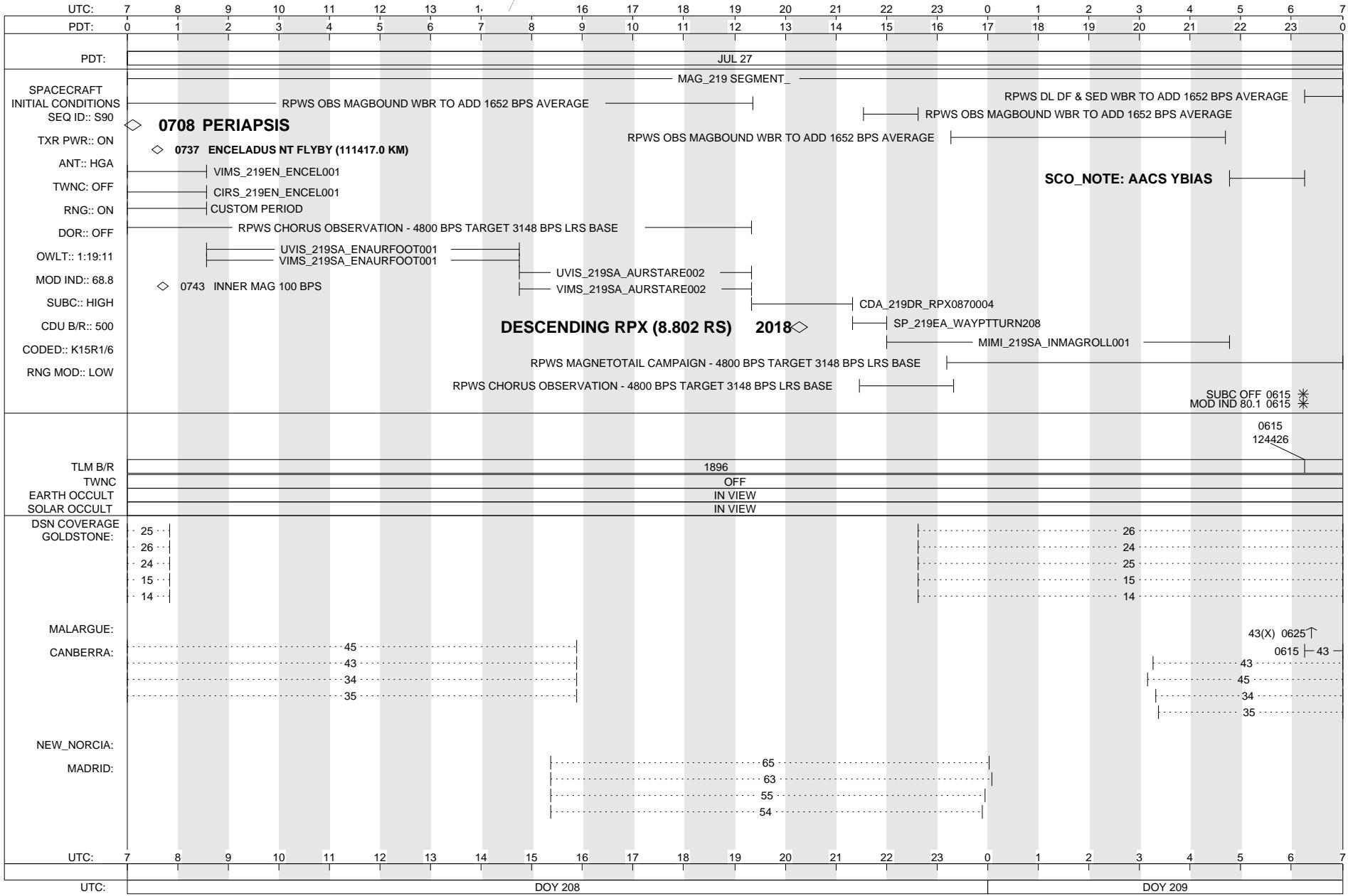
ISSUE DATE: 06/29/15

MONDAY 208-209

JULY 27, 2015 - JULY 28, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

TUESDAY 209-210

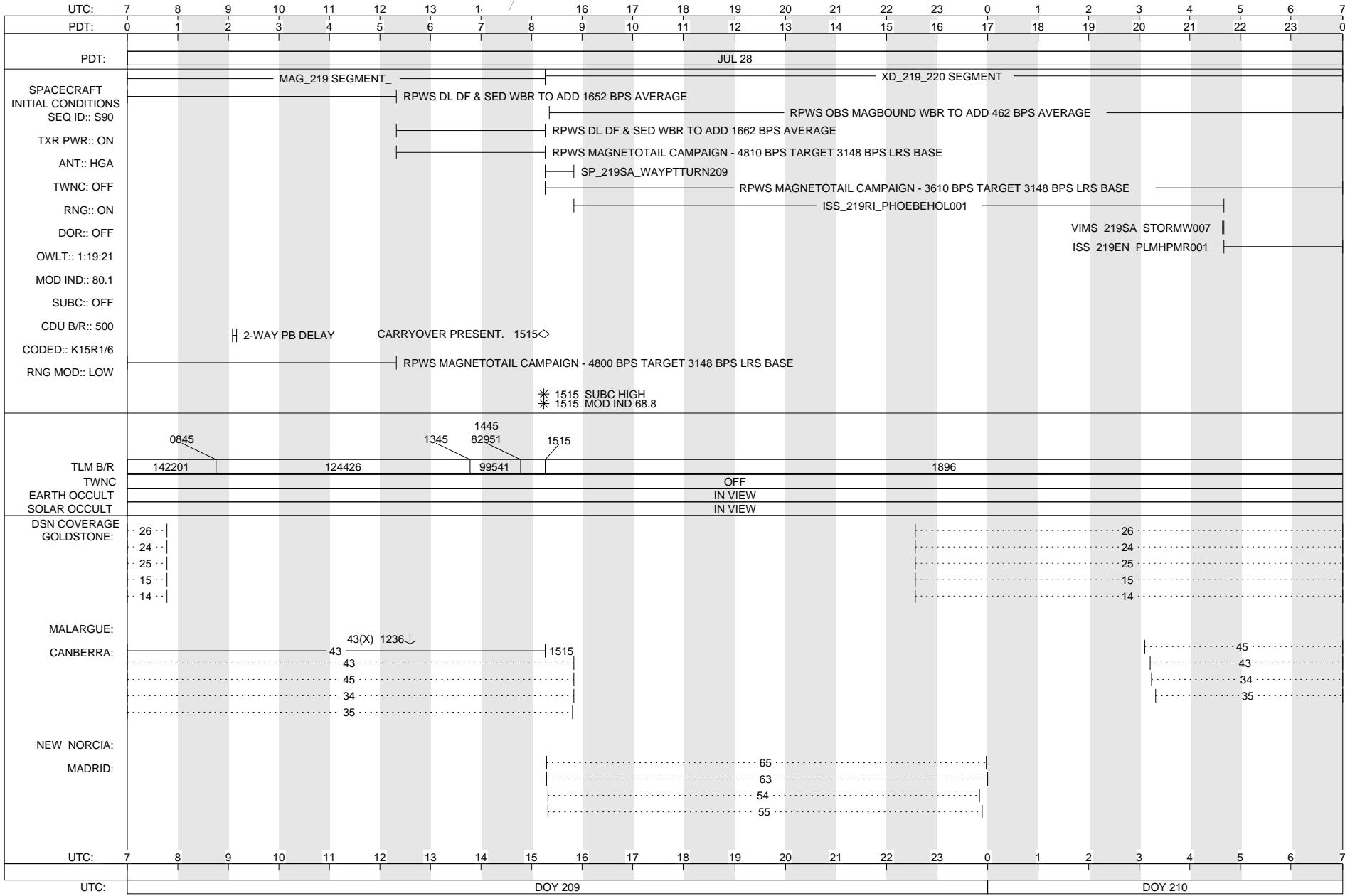
JULY 28, 2015 - JULY 29, 2015



CASSINI SFOS

SOE z0900f.soe

SFOS z0900f.sfos



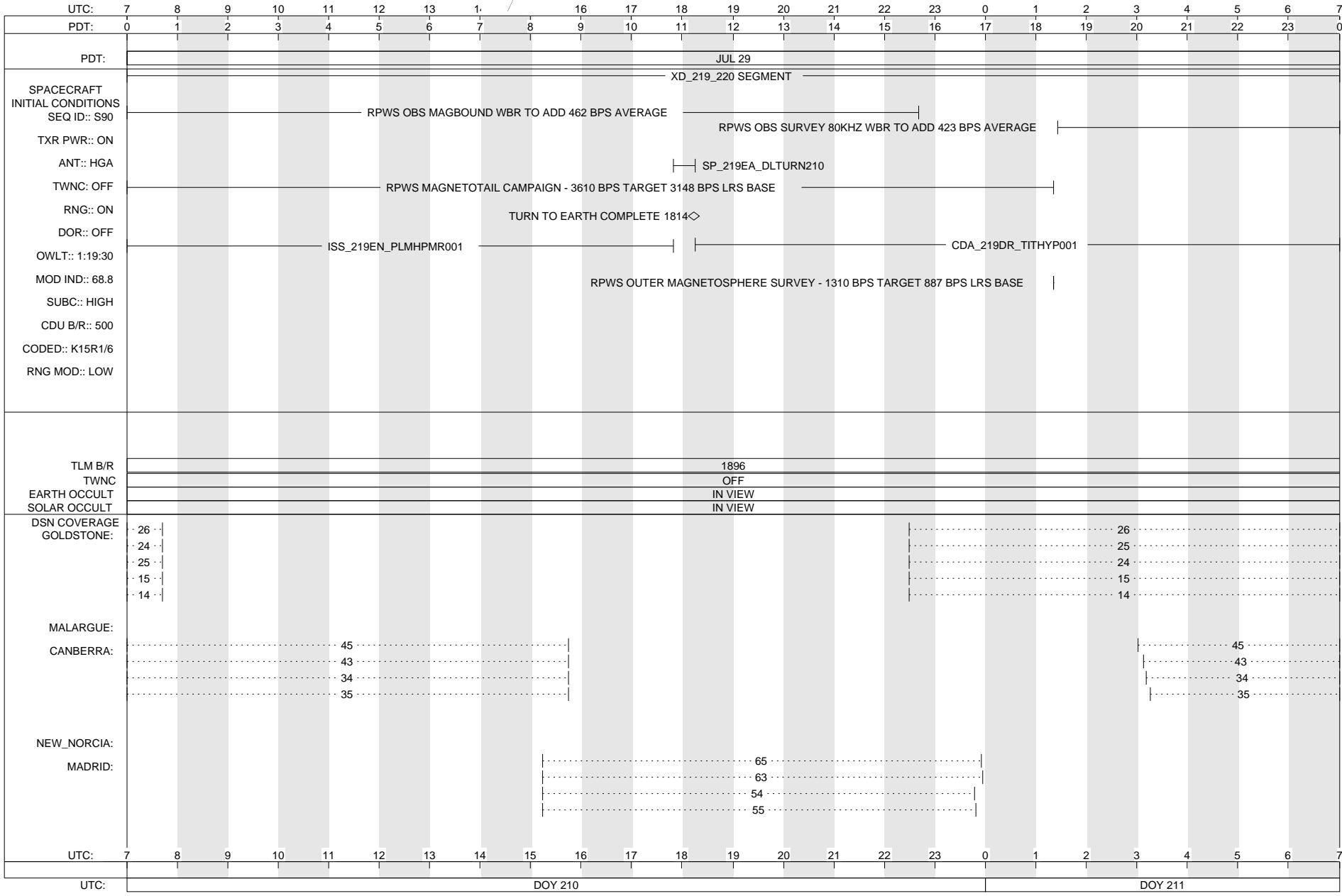
ISSUE DATE: 06/29/15

WEDNESDAY 210-211

JULY 29, 2015 - JULY 30, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

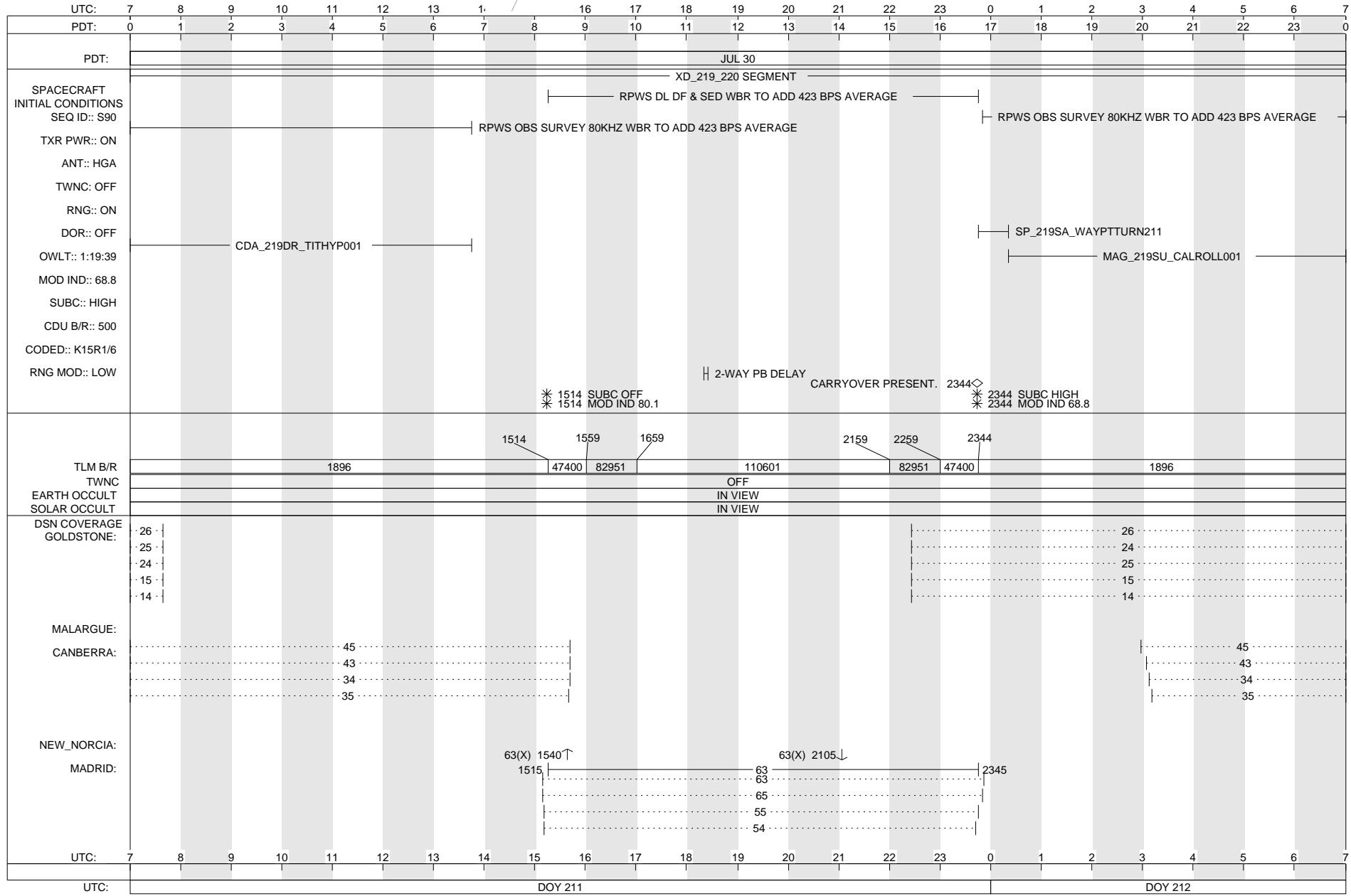
ISSUE DATE: 06/29/15

THURSDAY 211-212

JULY 30, 2015 - JULY 31, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

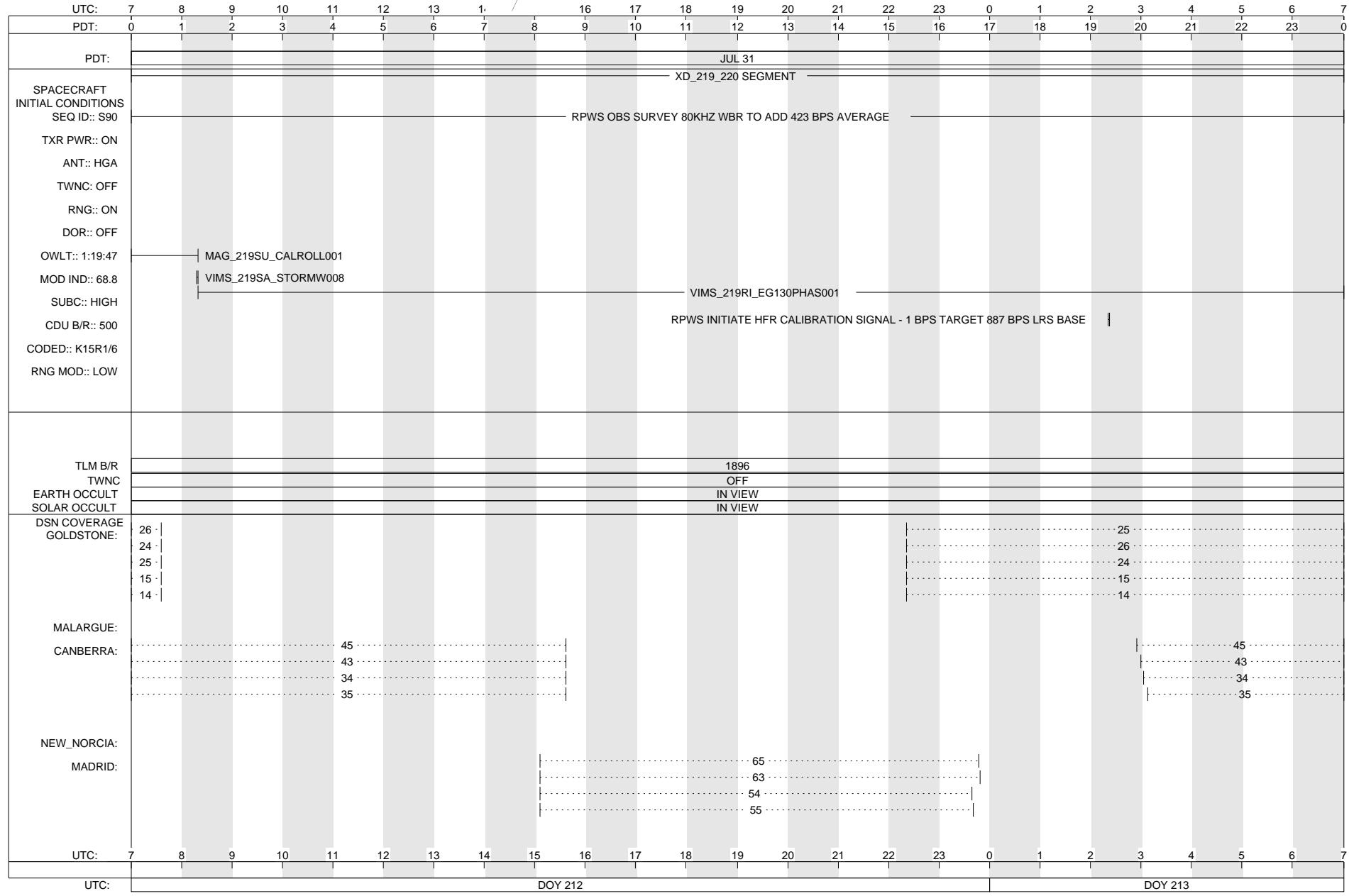
FRIDAY

212-213

JULY 31, 2015 - AUGUST 1, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos


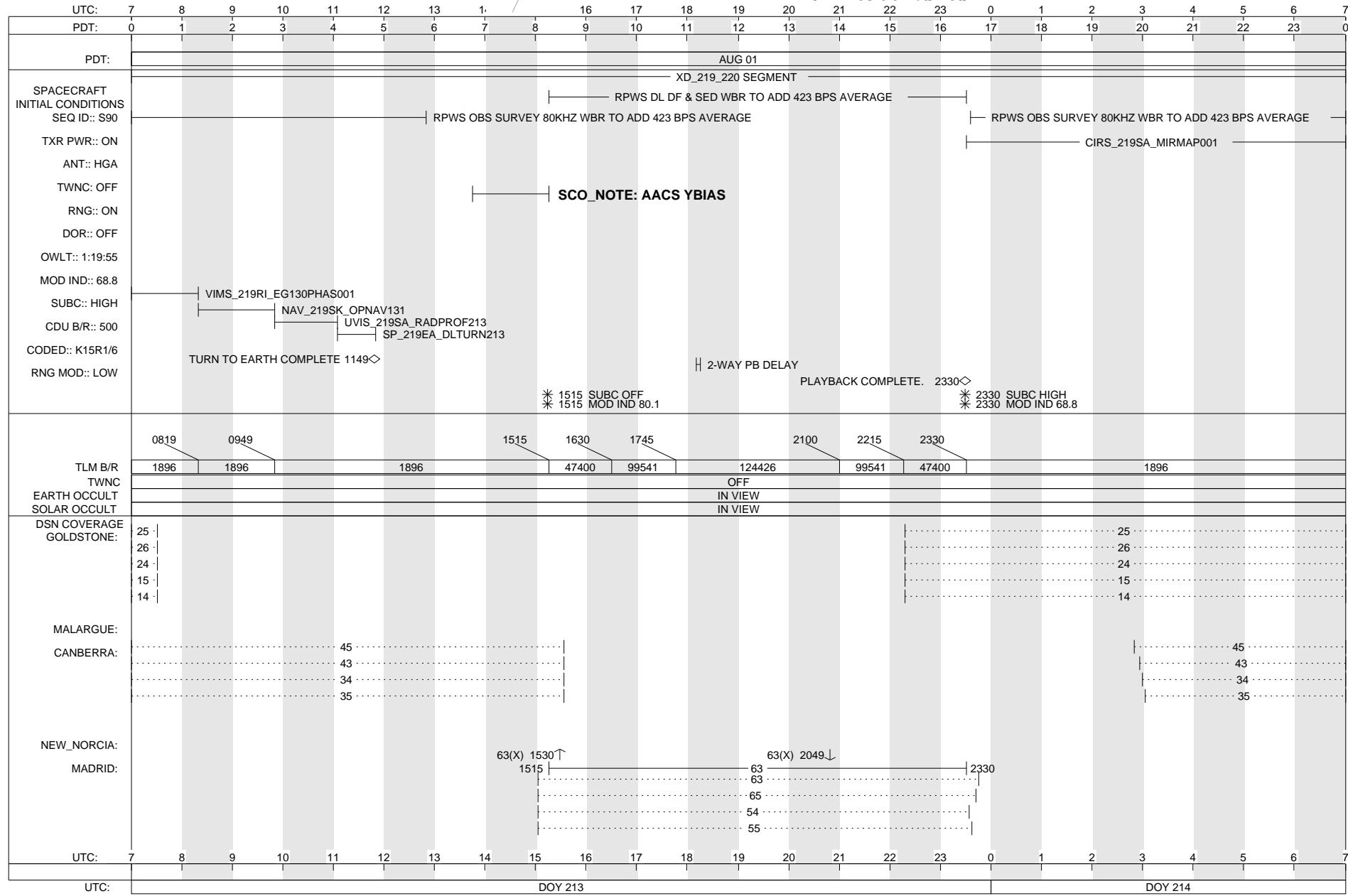
ISSUE DATE: 06/29/15

SATURDAY 213-214

AUGUST 1, 2015 - AUGUST 2, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

SUNDAY

214-215

AUGUST 2, 2015 - AUGUST 3, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

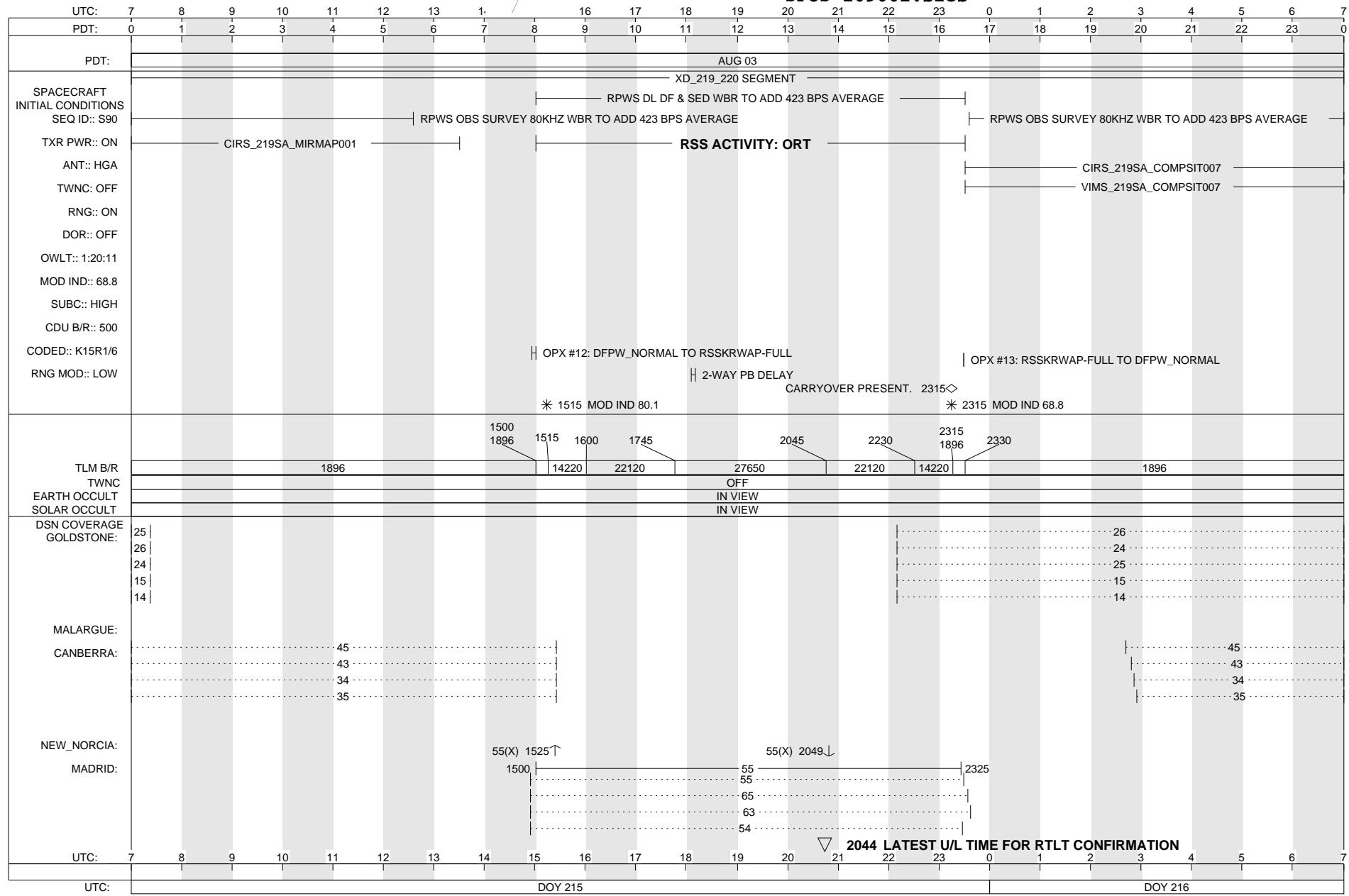
ISSUE DATE: 06/29/15

MONDAY 215-216

AUGUST 3, 2015 - AUGUST 4, 2015



CASSINI SFOS

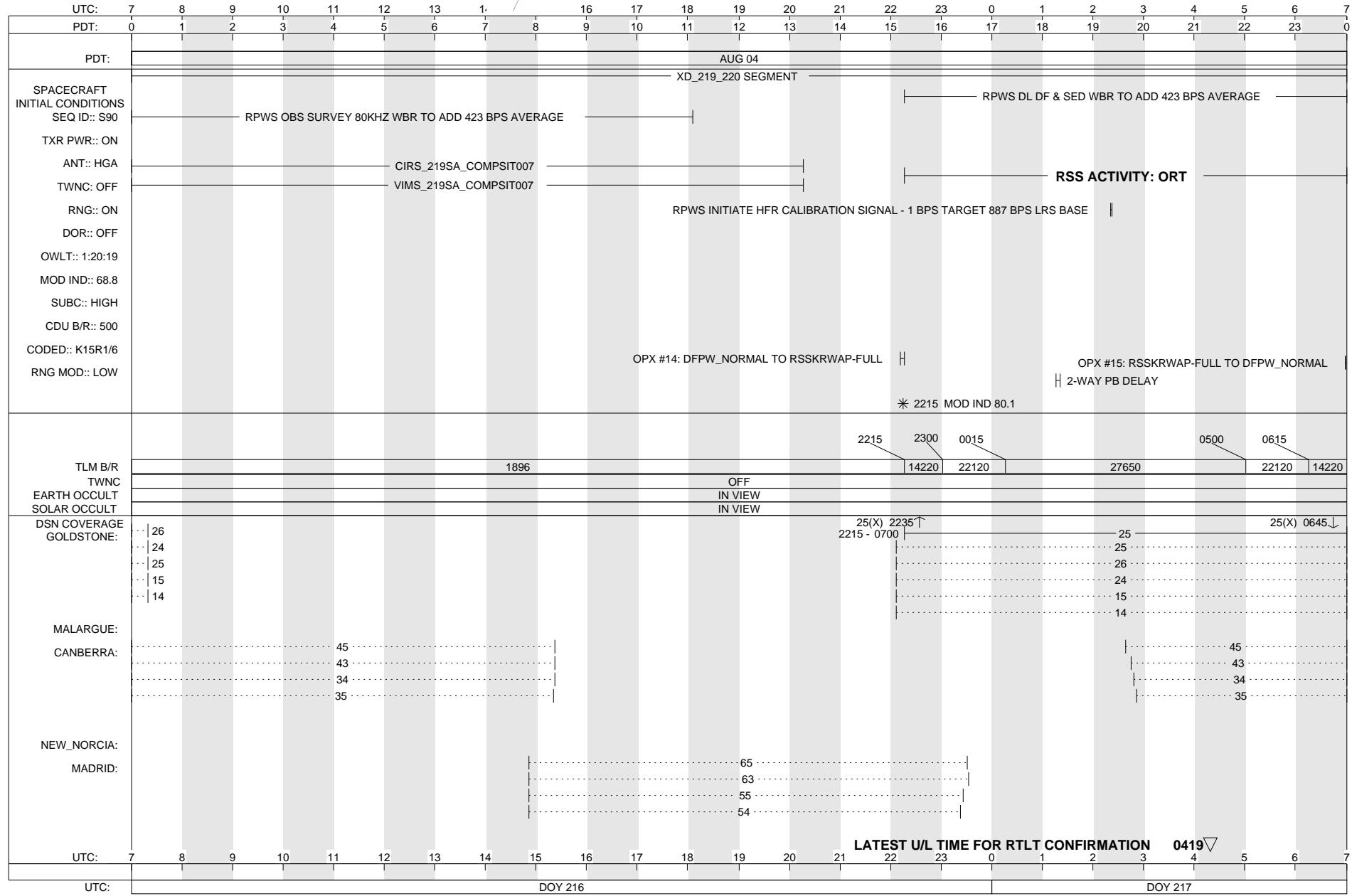
SOE z0900f.soe
SFOS z0900f.sfos

TUESDAY 216-217

AUGUST 4, 2015 - AUGUST 5, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

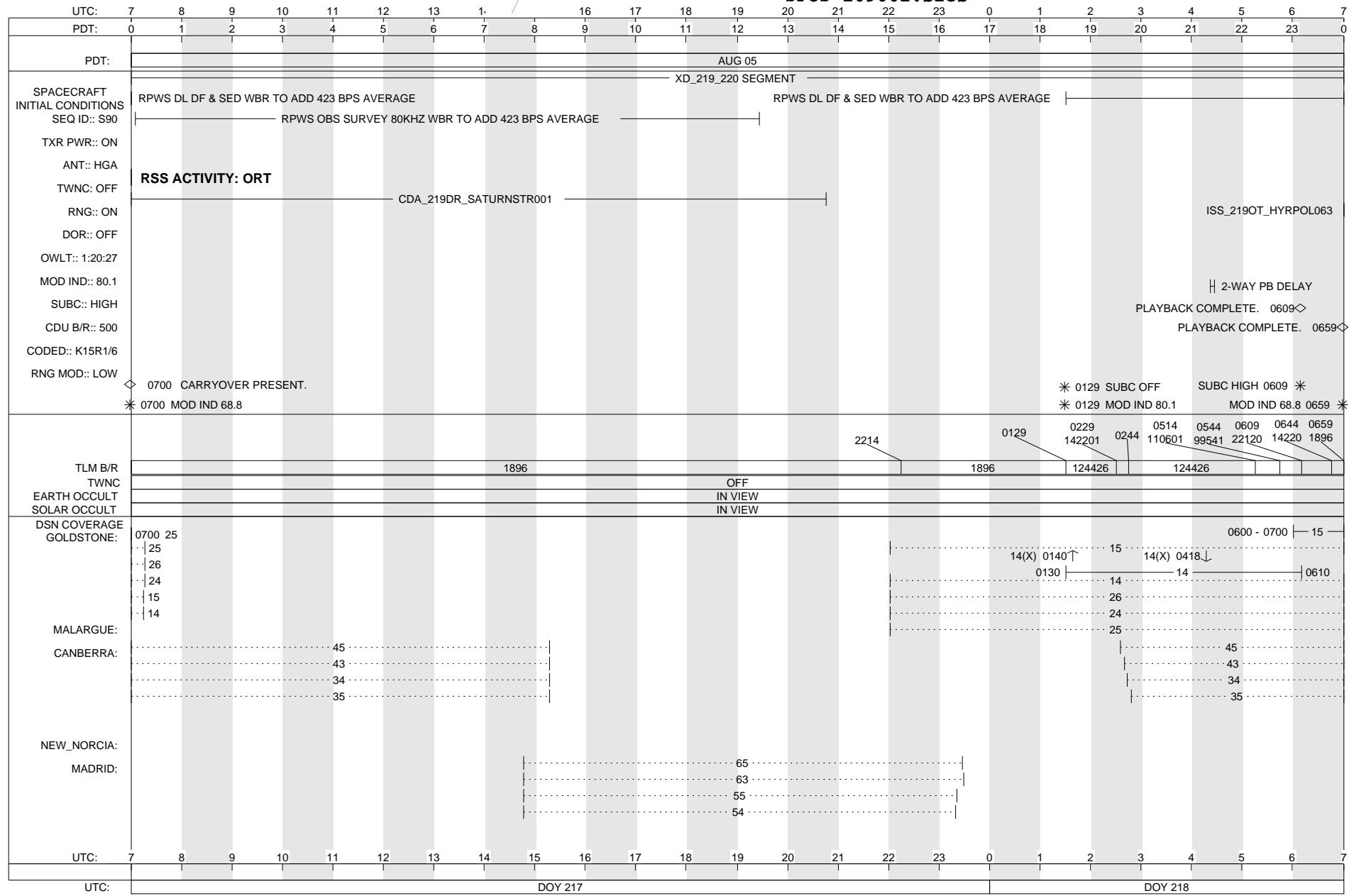
ISSUE DATE: 06/29/15

WEDNESDAY 217-218

AUGUST 5, 2015 - AUGUST 6, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

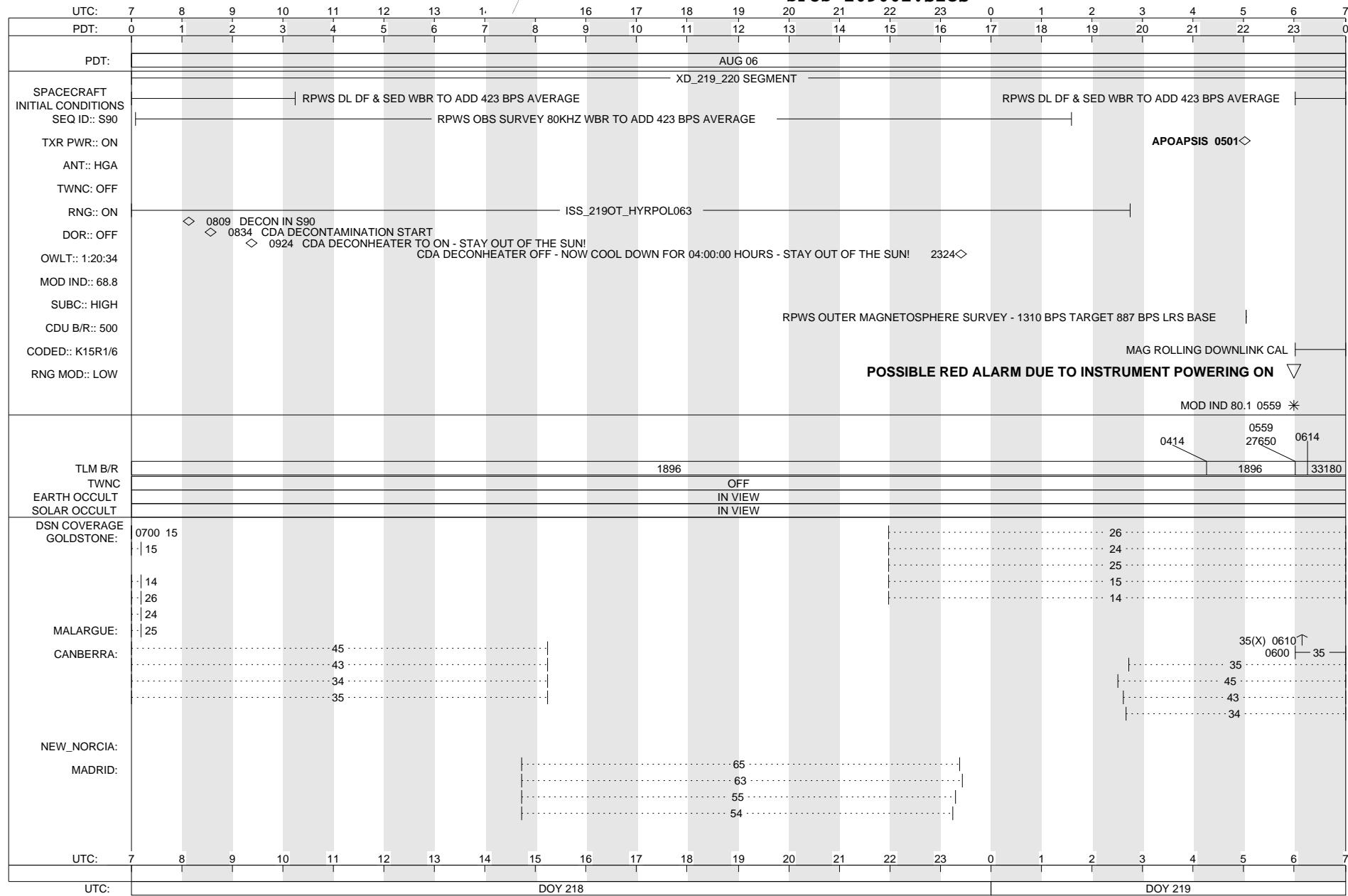
ISSUE DATE: 06/29/15

THURSDAY 218-219

AUGUST 6, 2015 - AUGUST 7, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos


ISSUE DATE: 06/29/15

FRIDAY

219-220

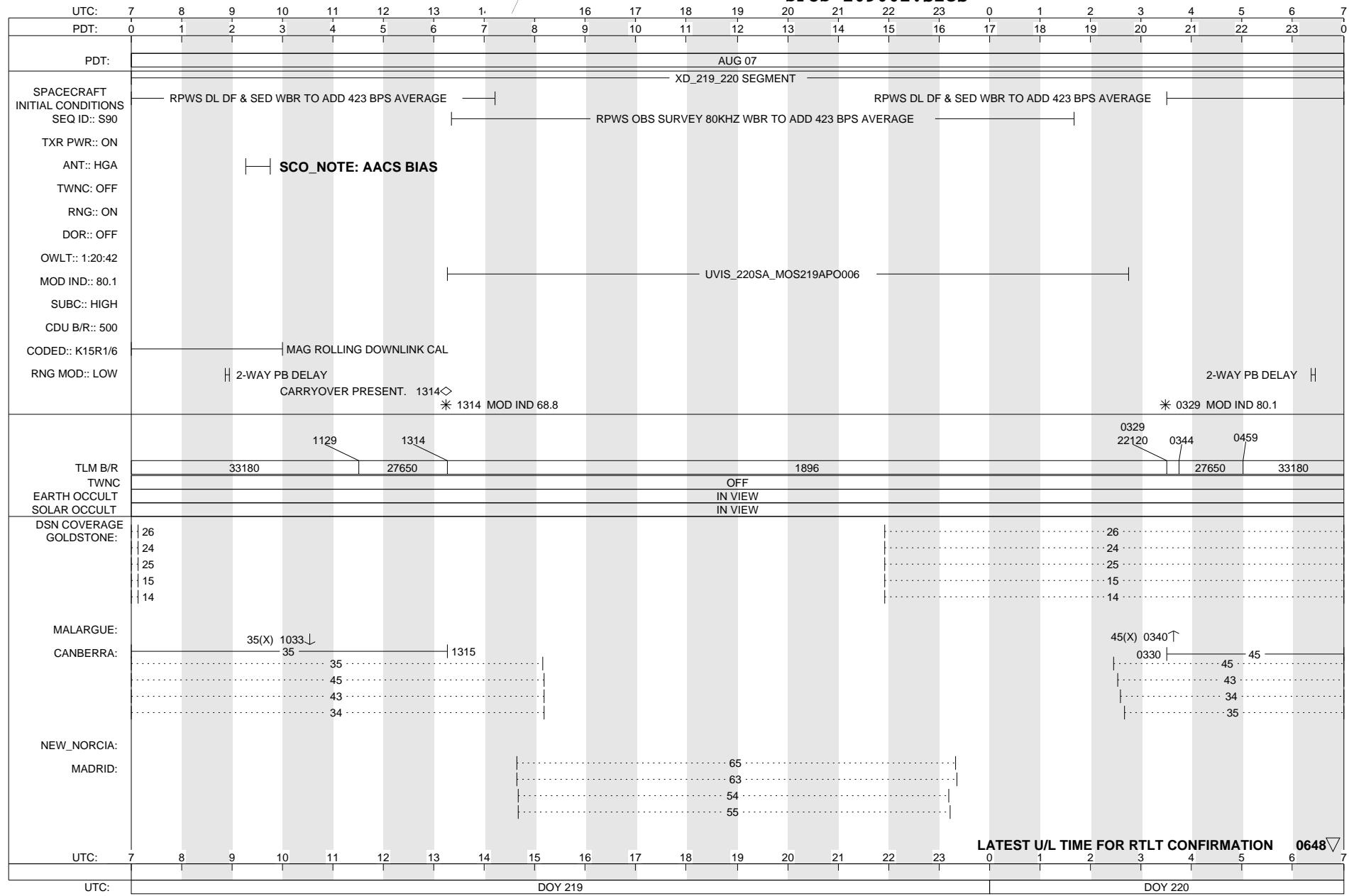
AUGUST 7, 2015 - AUGUST 8, 2015



CASSINI SFOS

SOE z0900f.soe

SFOS z0900f.sfos



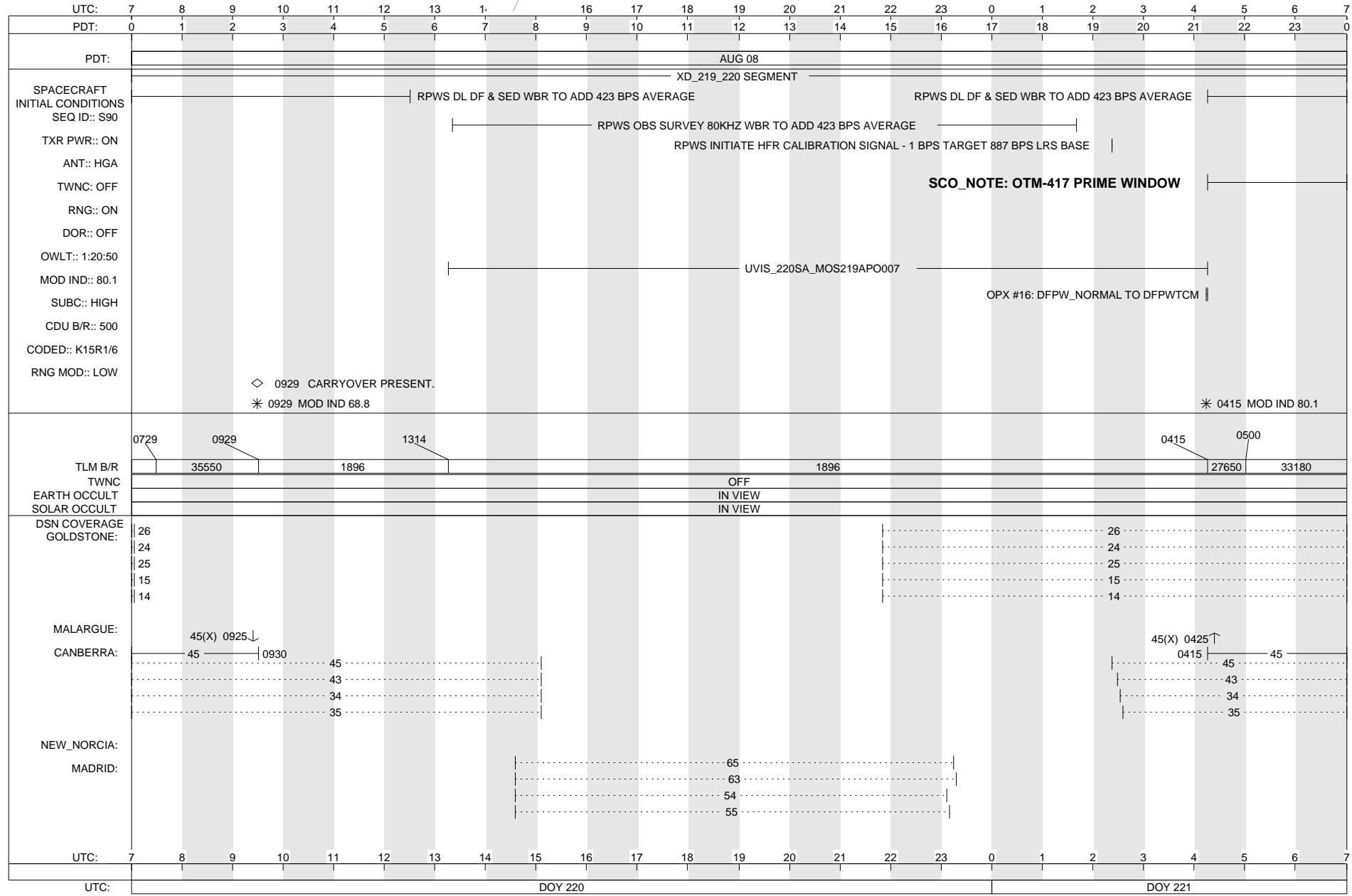
ISSUE DATE: 06/29/15

SATURDAY 220-221

AUGUST 8, 2015 - AUGUST 9, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

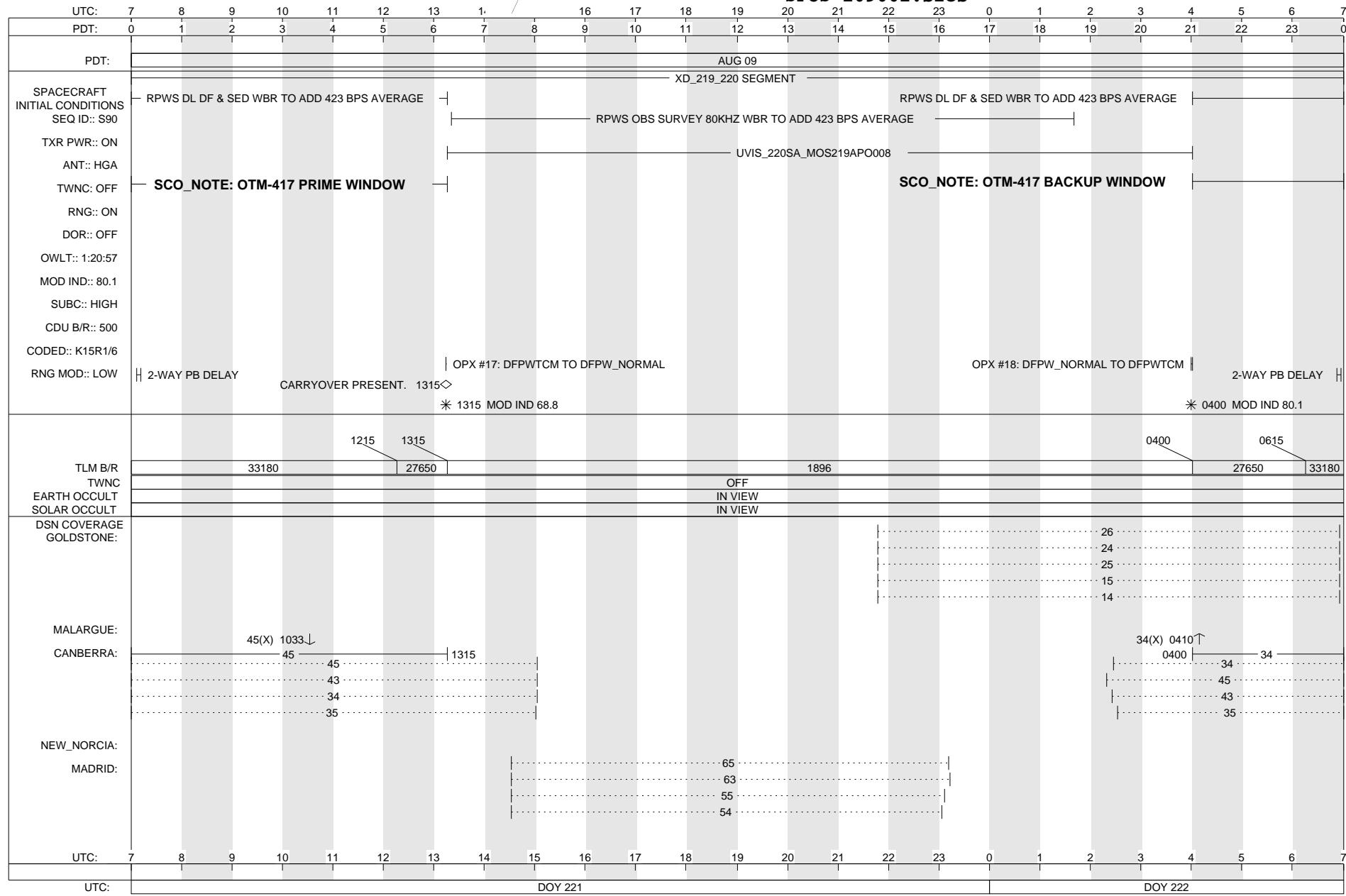
SUNDAY

221-222

AUGUST 9, 2015 - AUGUST 10, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

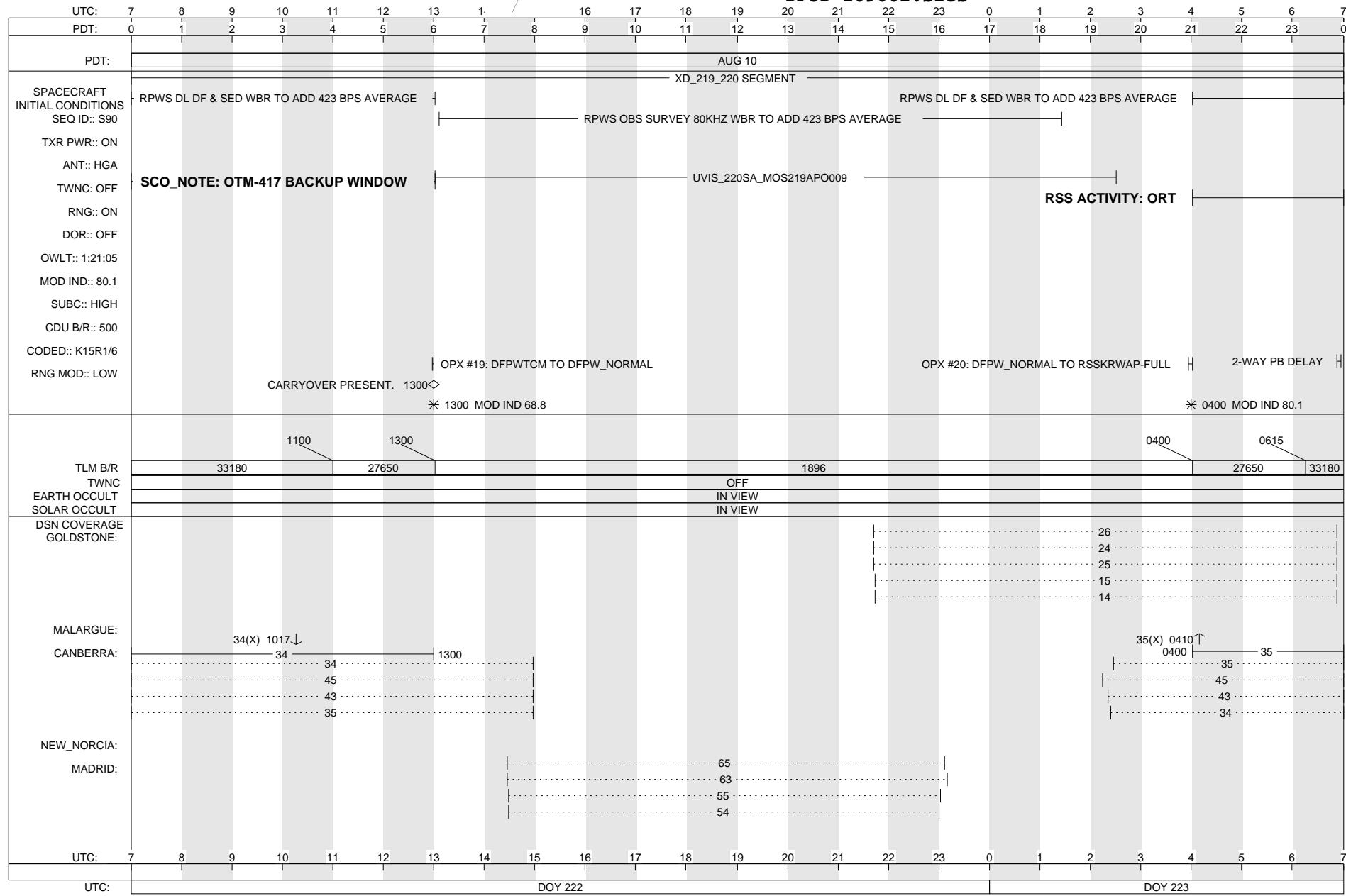
ISSUE DATE: 06/29/15

MONDAY 222-223

AUGUST 10, 2015 - AUGUST 11, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

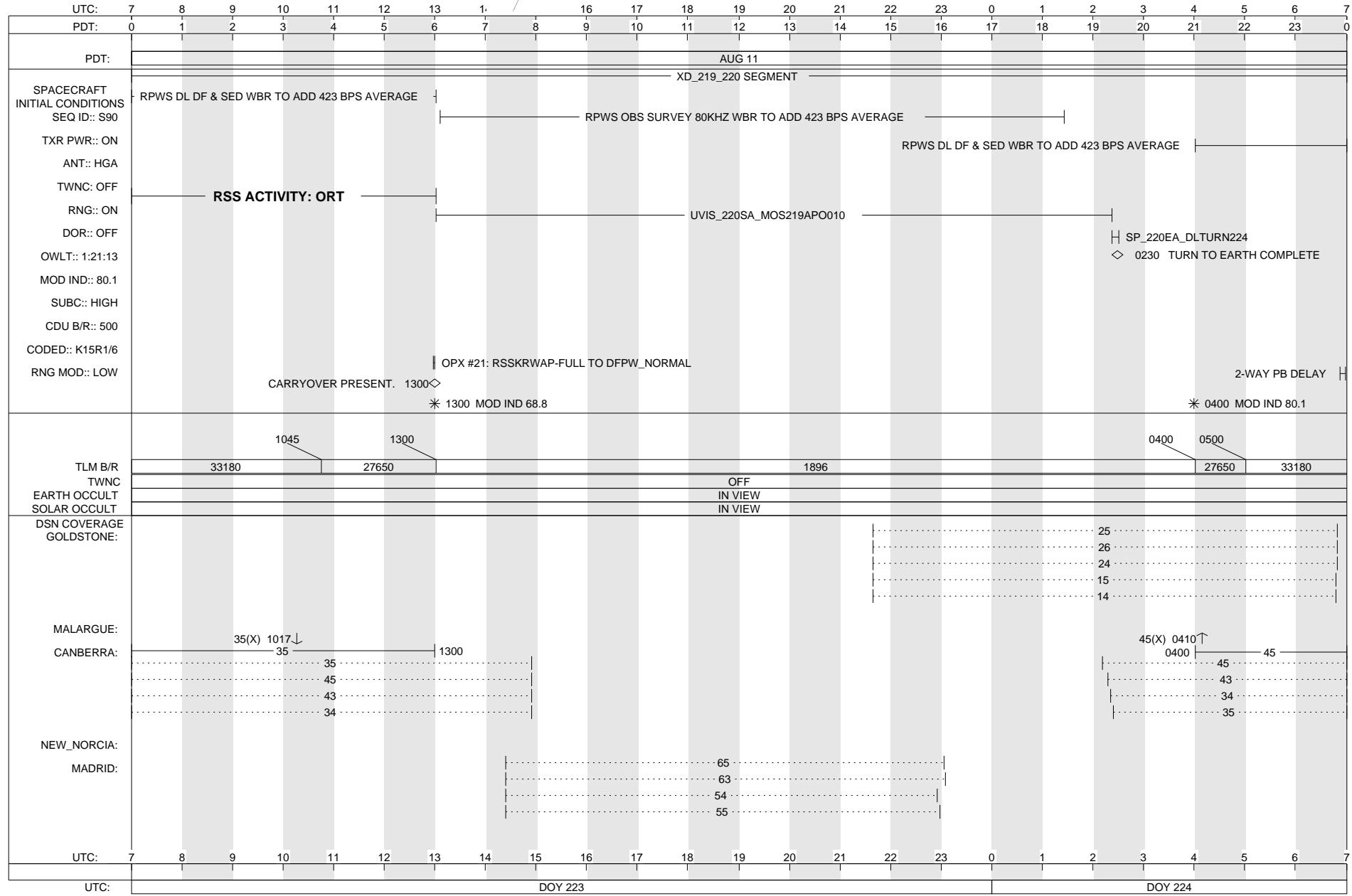
ISSUE DATE: 06/29/15

TUESDAY 223-224

AUGUST 11, 2015 - AUGUST 12, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

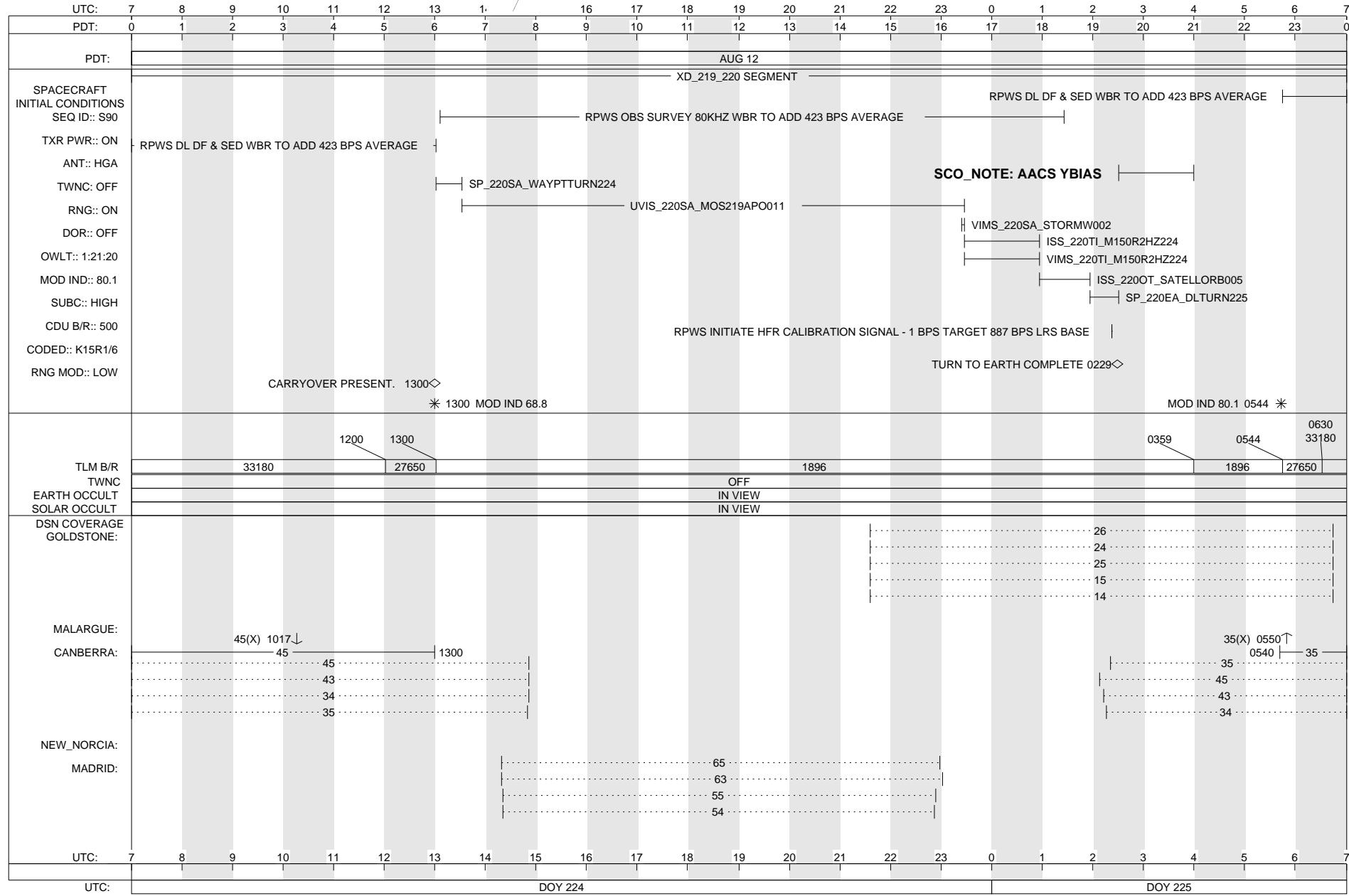
ISSUE DATE: 06/29/15

WEDNESDAY 224-225

AUGUST 12, 2015 - AUGUST 13, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

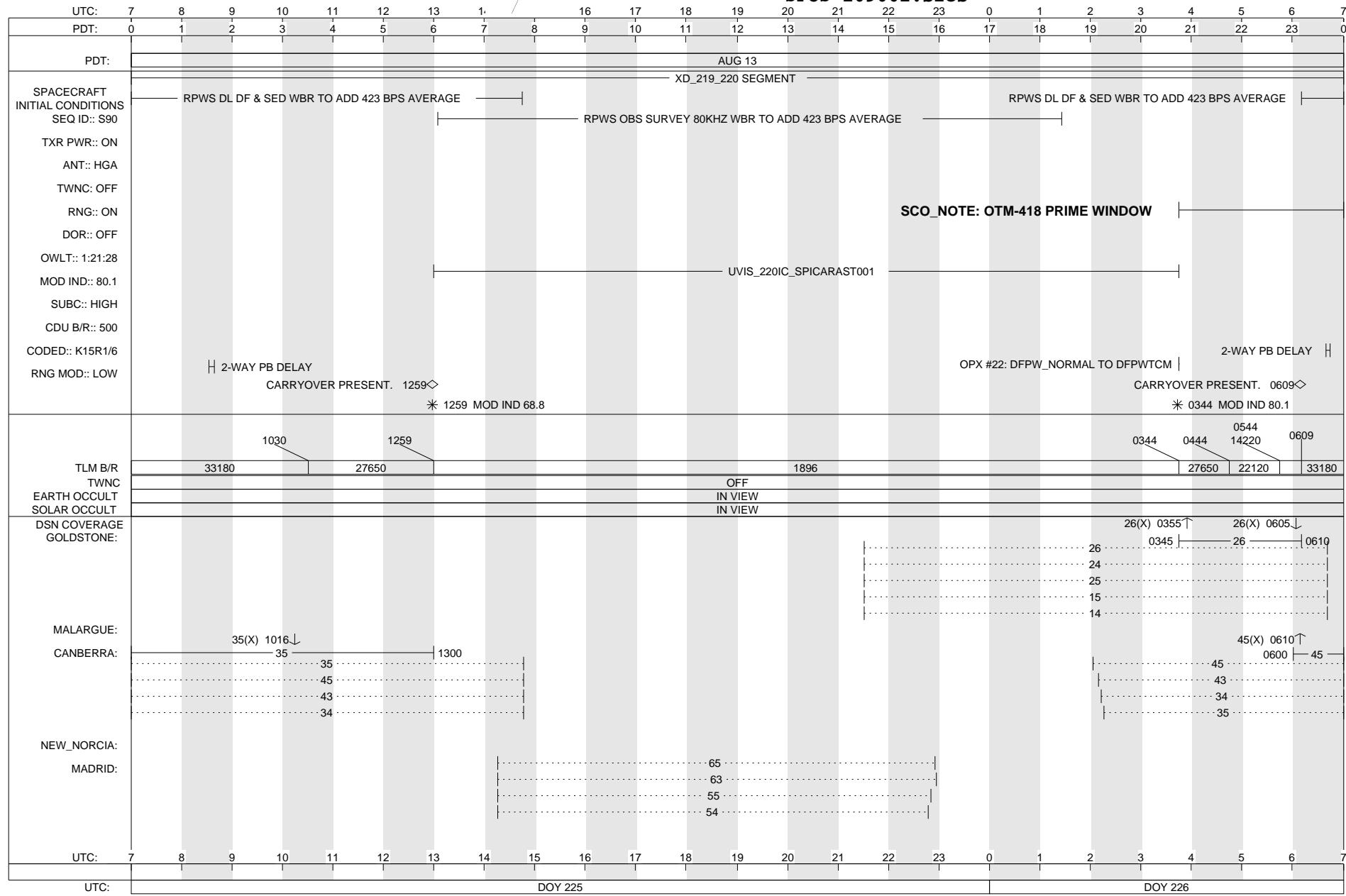
ISSUE DATE: 06/29/15

THURSDAY 225-226

AUGUST 13, 2015 - AUGUST 14, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

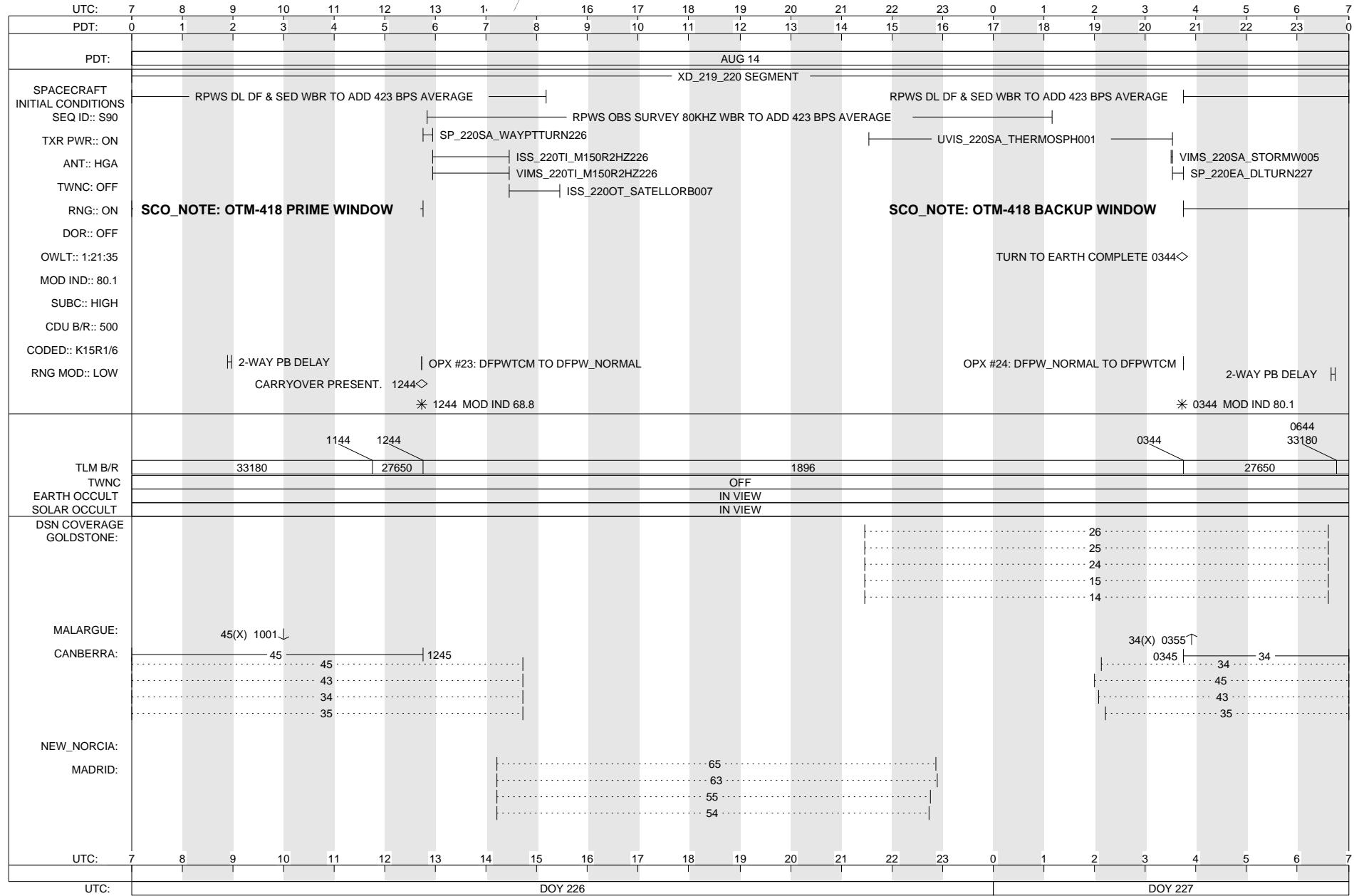
FRIDAY

226-227

AUGUST 14, 2015 - AUGUST 15, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

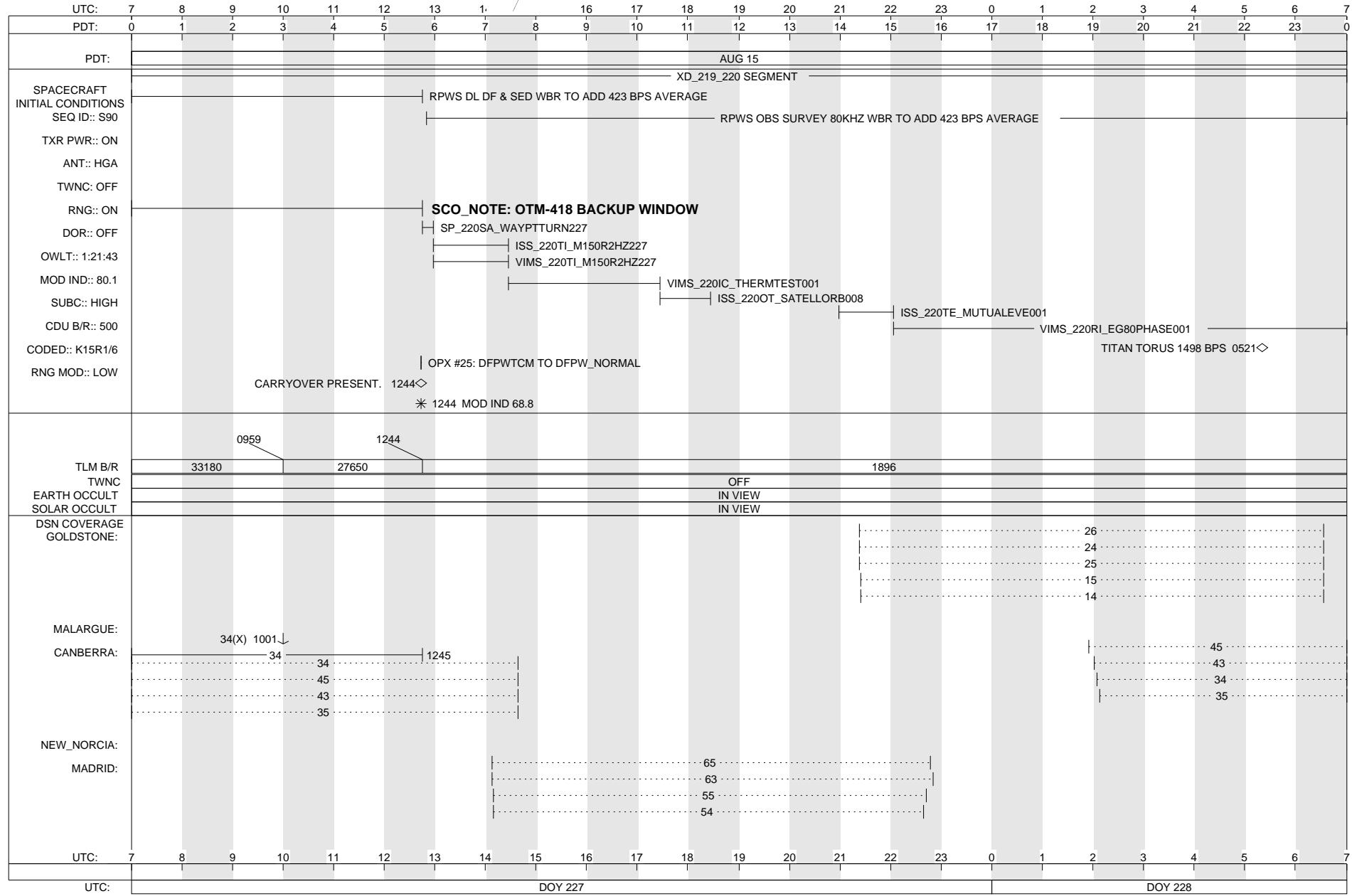
ISSUE DATE: 06/29/15

SATURDAY 227-228

AUGUST 15, 2015 - AUGUST 16, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

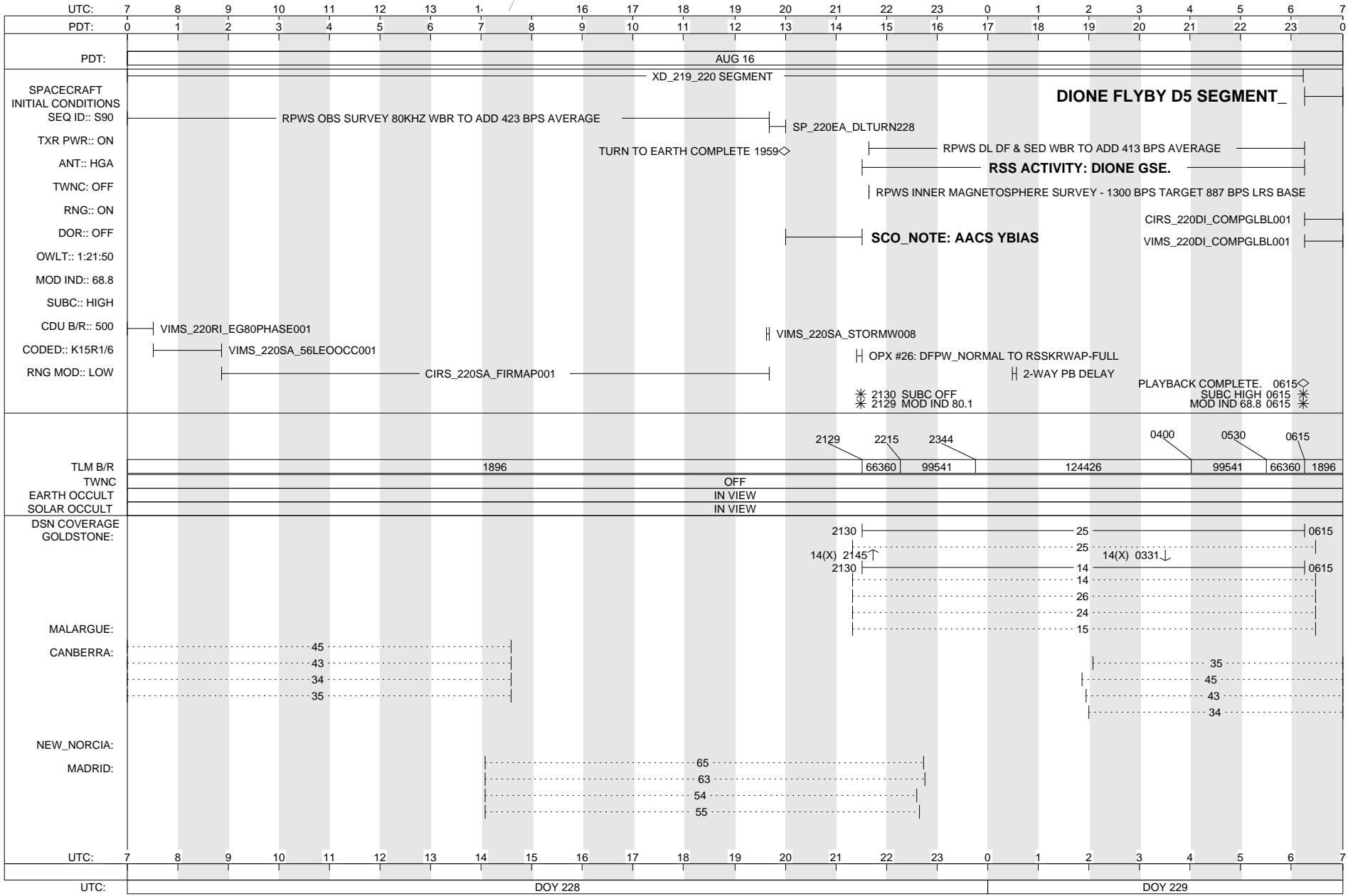
SUNDAY

228-229

AUGUST 16, 2015 - AUGUST 17, 2015



CASSINI SFOS

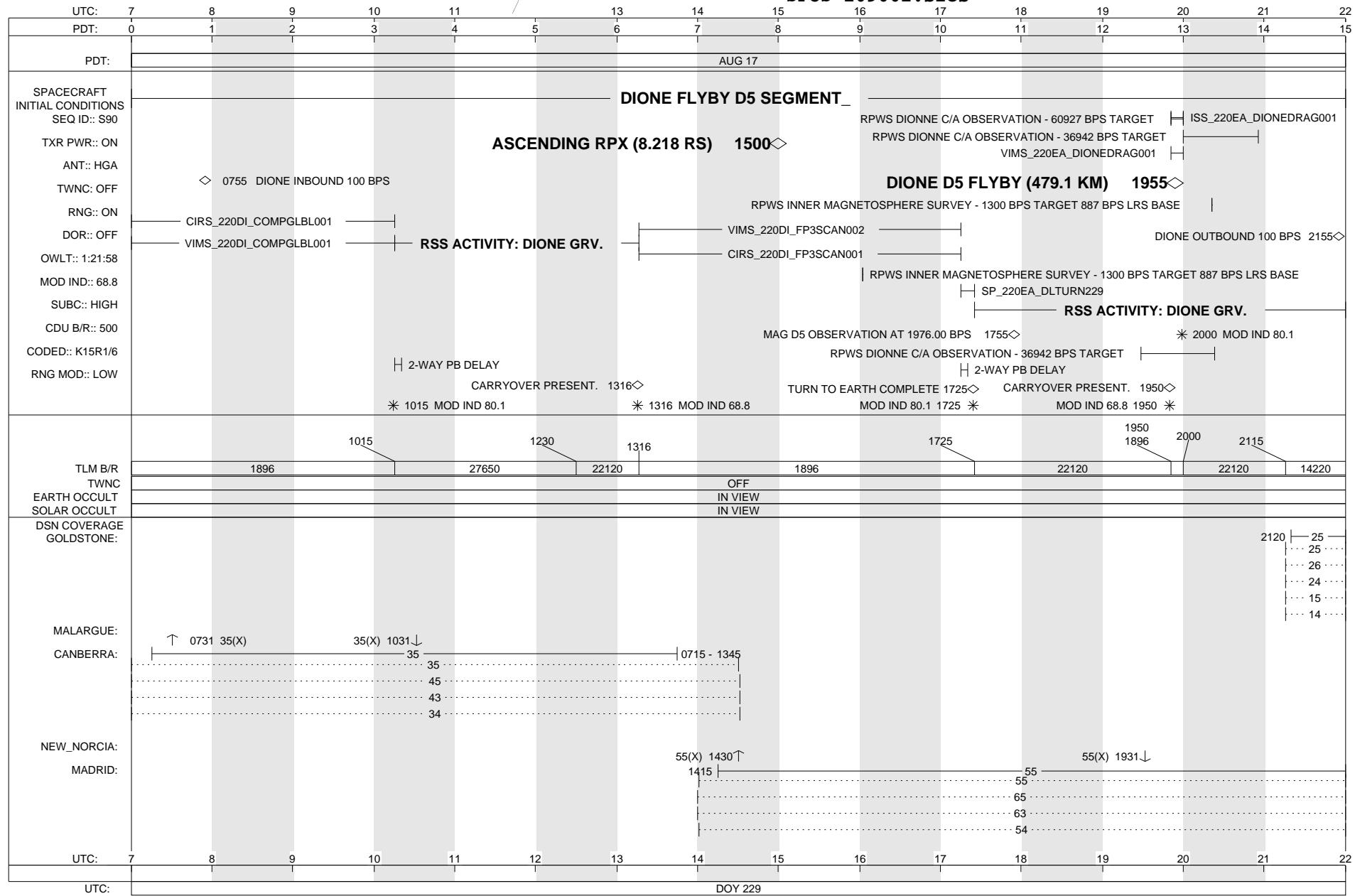
SOE z0900f.soe
SFOS z0900f.sfos

MONDAY 229

AUGUST 17, 2015 - AUGUST 17, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

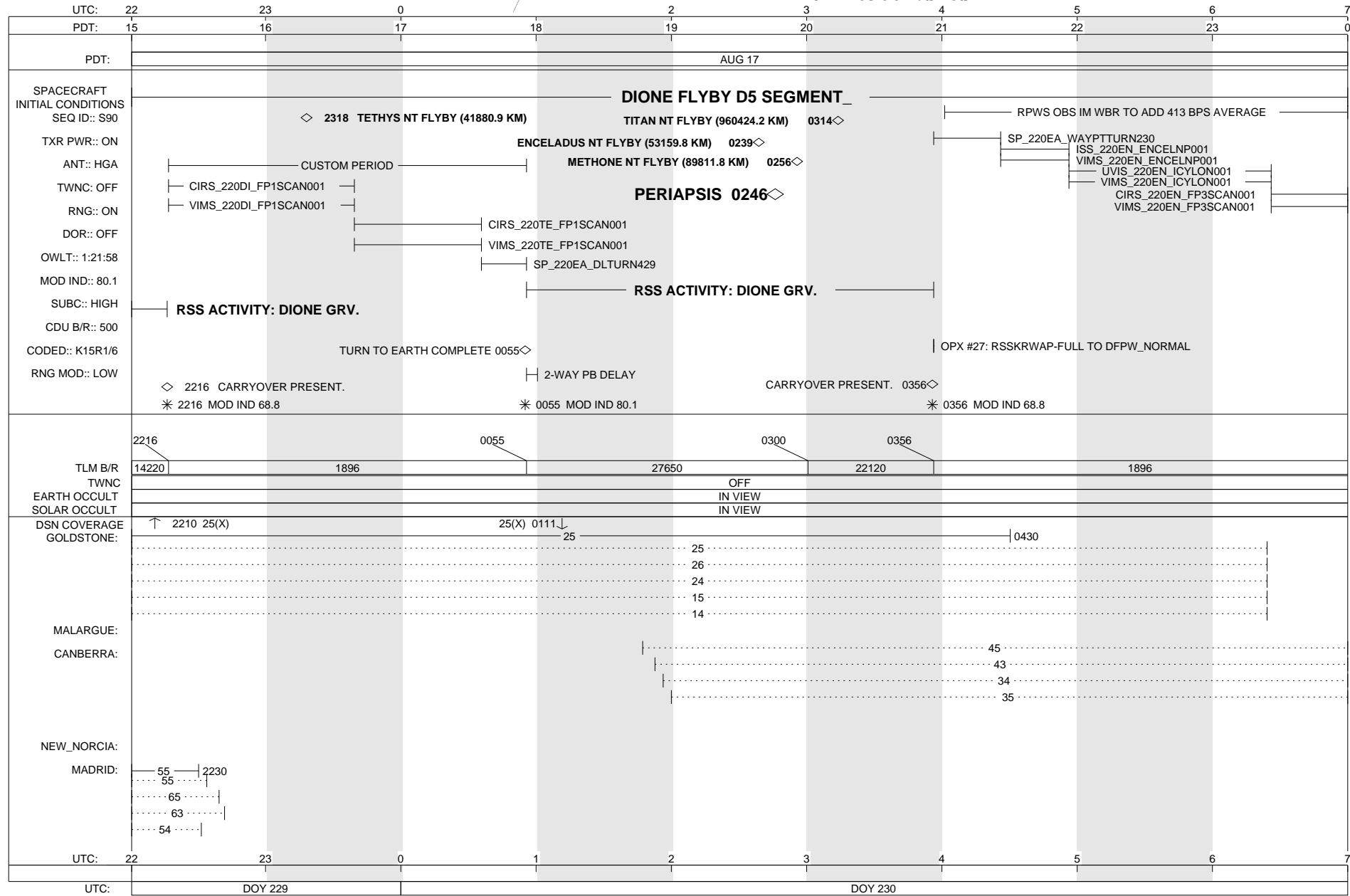
ISSUE DATE: 06/29/15

MONDAY 229-230

AUGUST 17, 2015 - AUGUST 18, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

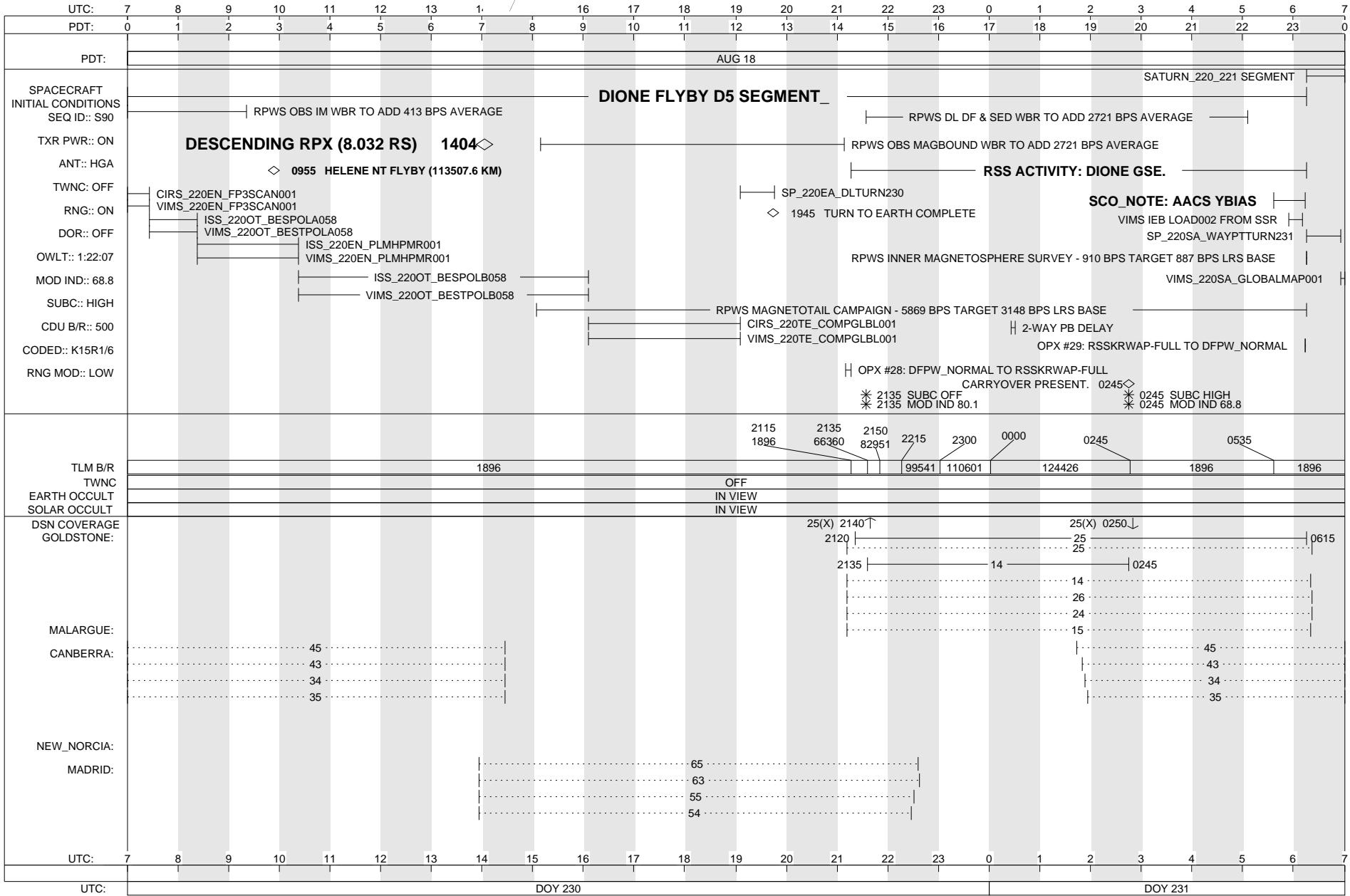
ISSUE DATE: 06/29/15

TUESDAY 230-231

AUGUST 18, 2015 - AUGUST 19, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

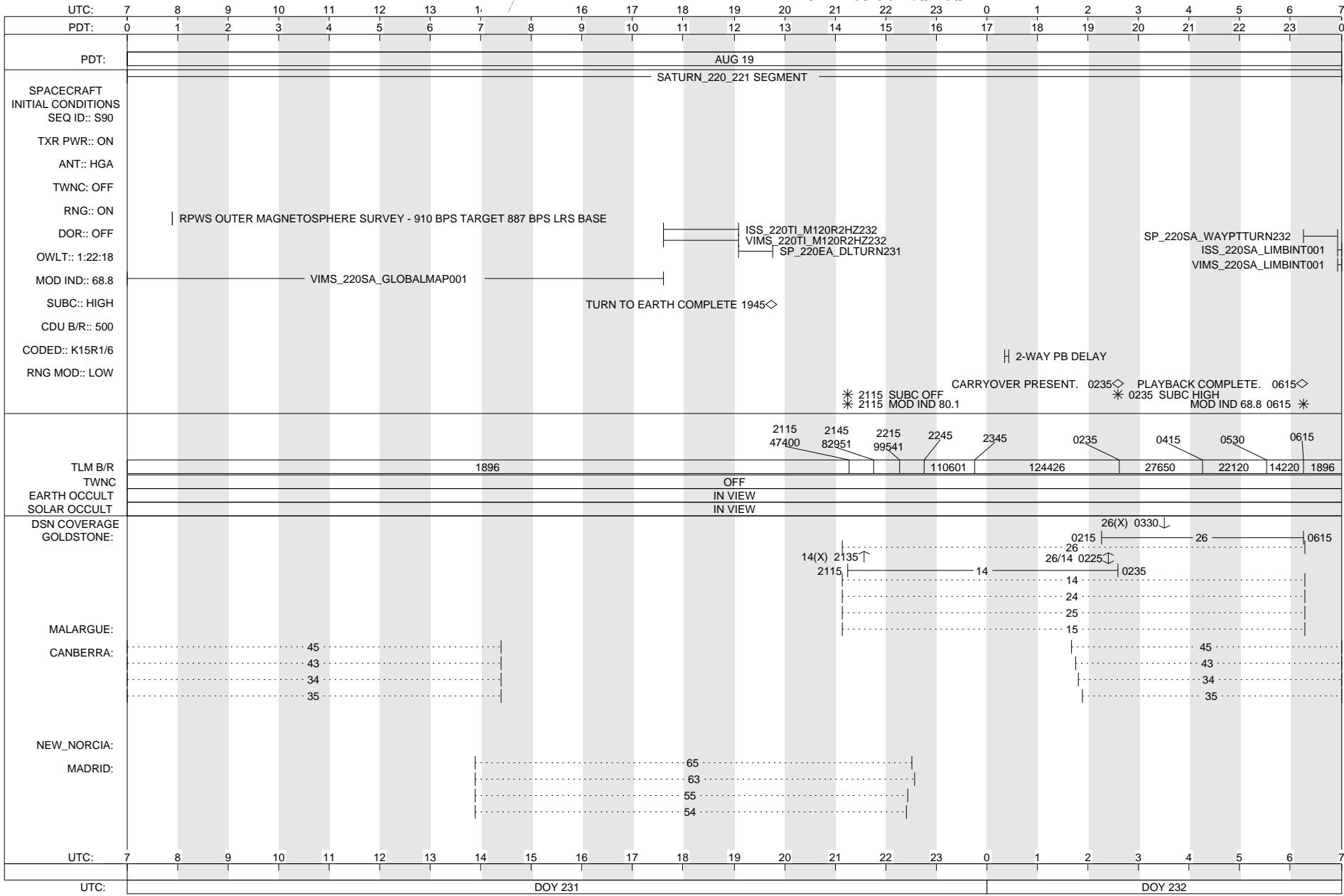
WEDNESDAY 231-232

AUGUST 19, 2015 - AUGUST 20, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos



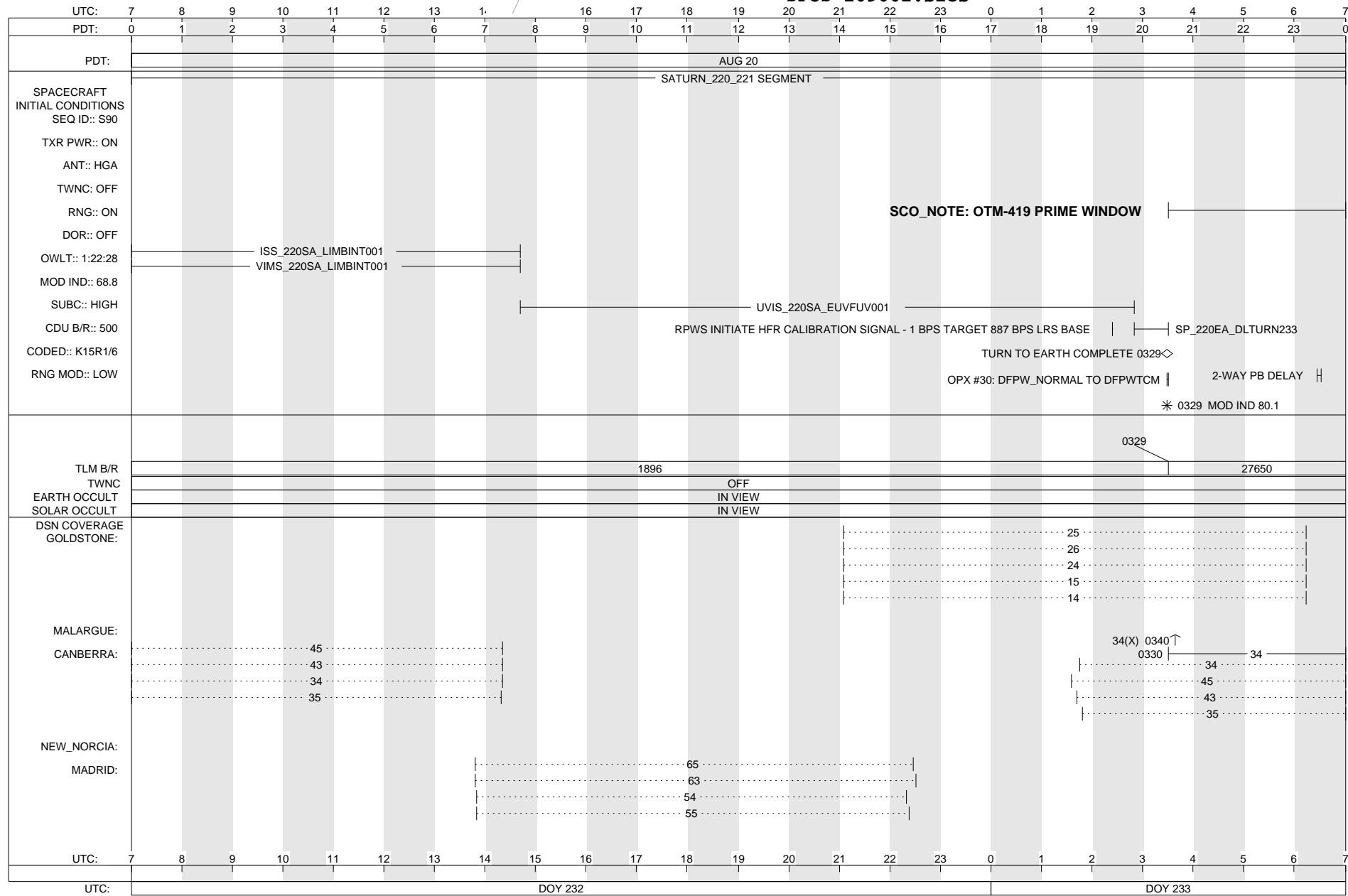
ISSUE DATE: 06/29/15

THURSDAY 232-233

AUGUST 20, 2015 - AUGUST 21, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos


ISSUE DATE: 06/29/15

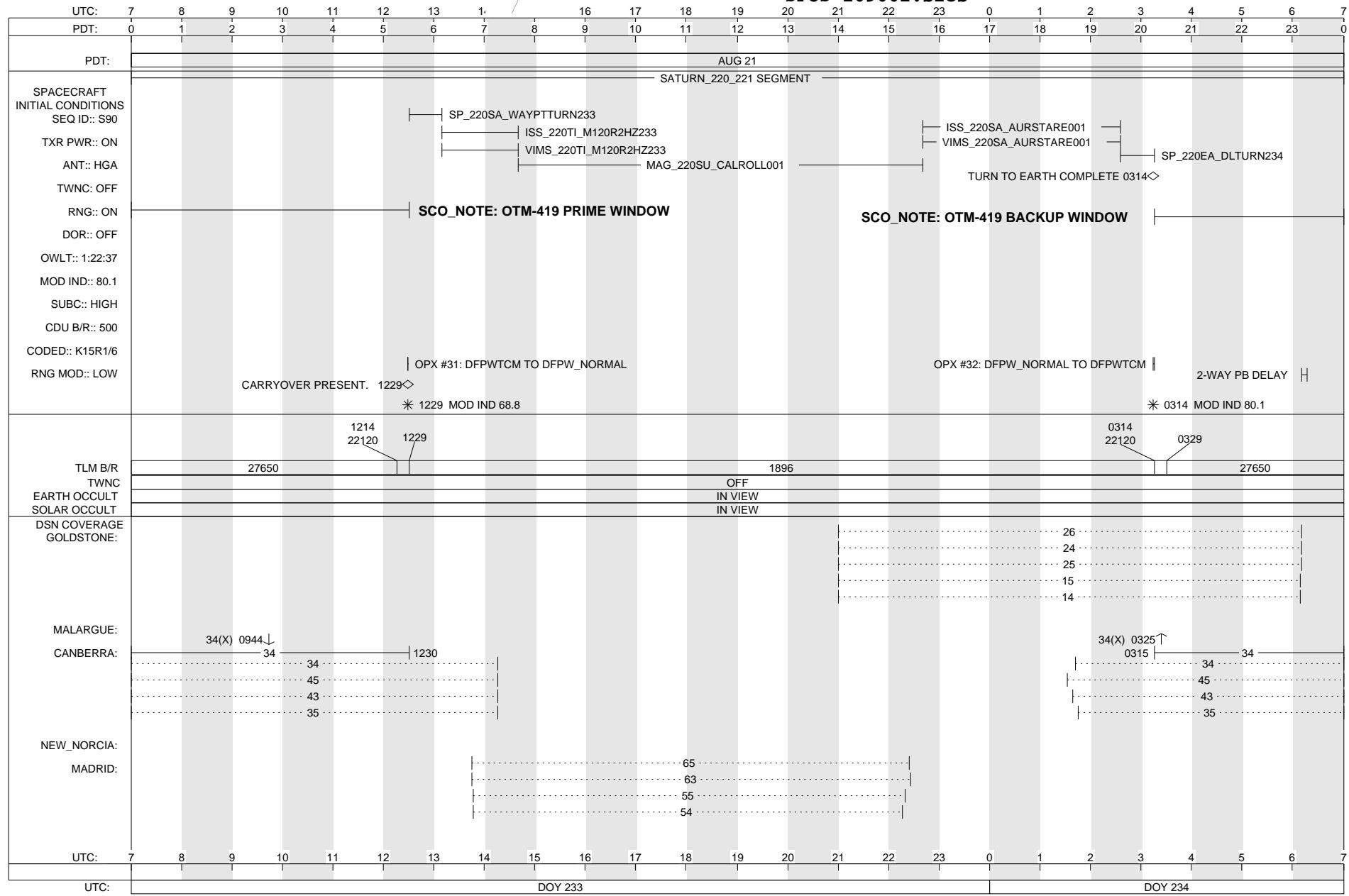
FRIDAY

233-234

AUGUST 21, 2015 - AUGUST 22, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

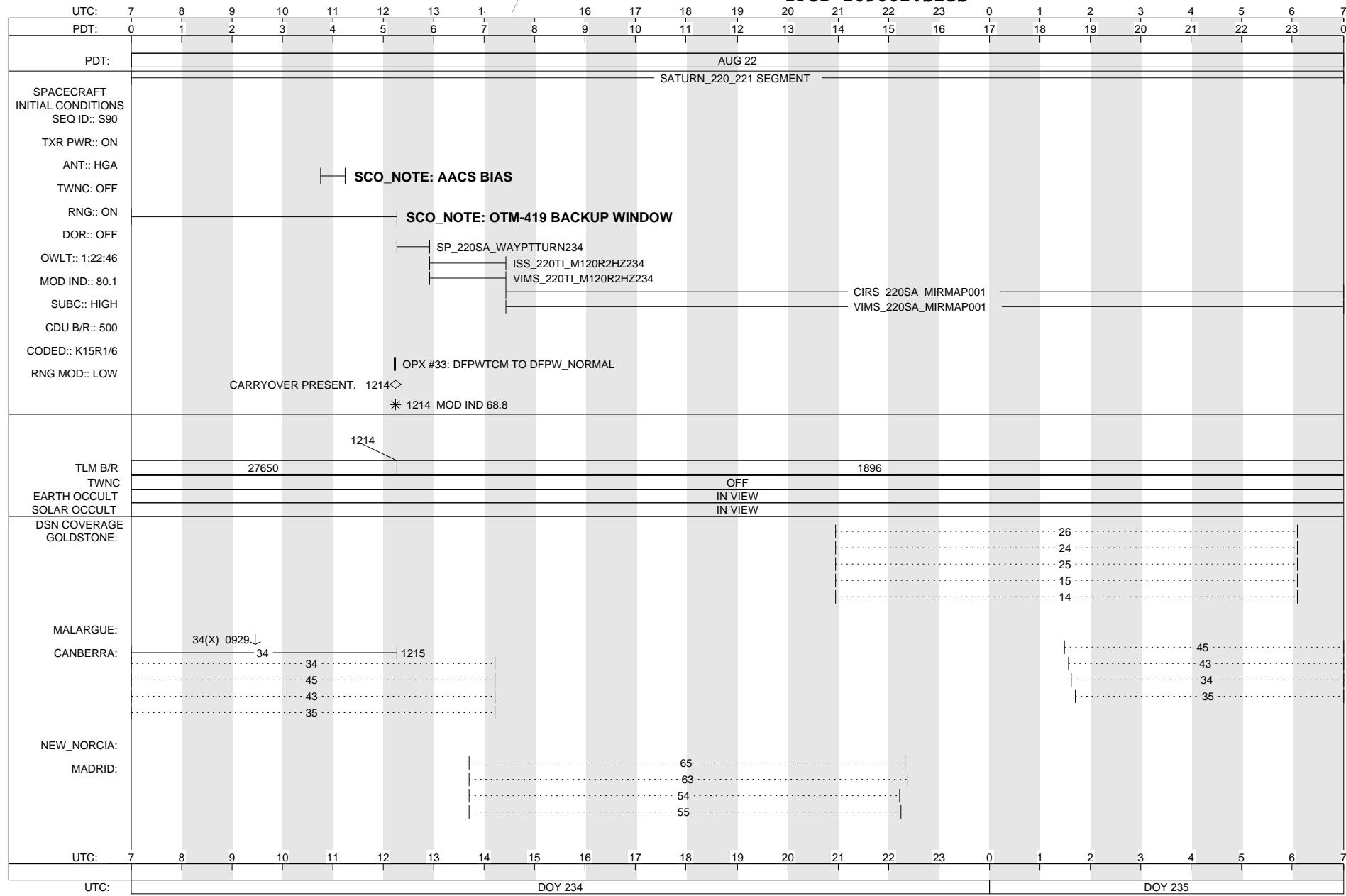
SATURDAY 234-235

AUGUST 22, 2015 - AUGUST 23, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos



ISSUE DATE: 06/29/15

SUNDAY 235-236

AUGUST 23, 2015 - AUGUST 24, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

Spacecraft Initial Conditions SEQ ID:: S90

TXR PWR:: ON

ANT:: HGA

TWNC: OFF

RNG:: ON

DOR:: OFF

OWLT:: 1:22:54

MOD IND:: 68.8

SUBC:: HIGH

CDU B/R:: 500

CODED:: K15R1/6

RNG MOD:: LOW

PDT: AUG 23

SATURN_220_221 SEGMENT

CIRS_220SA_MIRMAP001

VIMS_220SA_MIRMAP001

VIMS_220SA_AURSTARE001

UVIS_220SA_AURSLEW002

VIMS_220SA_AURSLEW002

SP_220EA_DLTURN235

TURN TO EARTH COMPLETE 0145◊

2-WAY PB DELAY

* 0315 MOD IND 80.1

TLM B/R

1896

OFF

IN VIEW

IN VIEW

0315 0445

27650 33180

EARTH OCCULT SOLAR OCCULT

DSN COVERAGE GOLDSTONE:

MALARGUE:

CANBERRA:

NEW_NORCIA:

MADRID:

LATEST U/L TIME FOR RTLT CONFIRMATION 0558

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

DOY 235

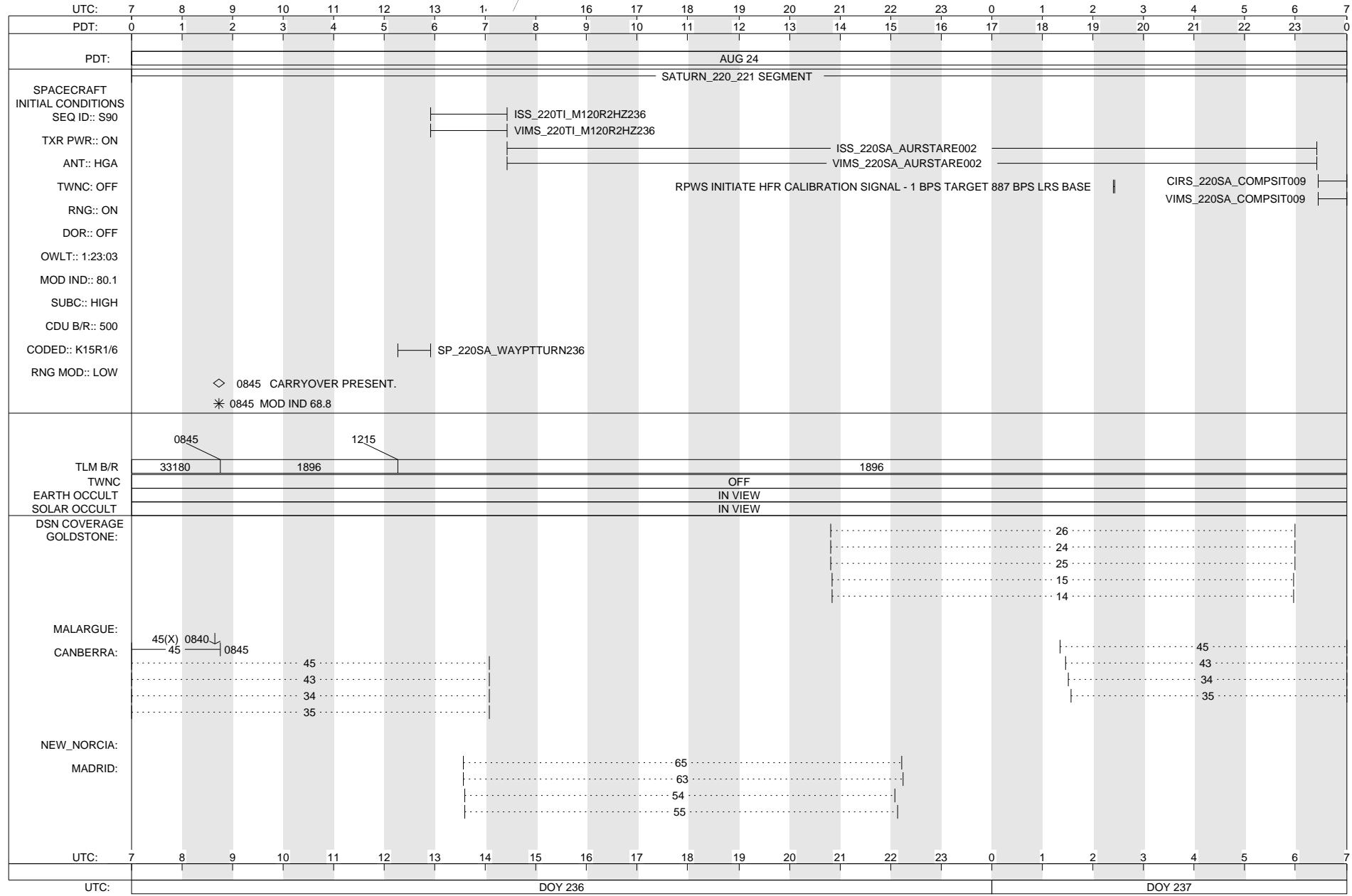
DOY 236

MONDAY 236-237

AUGUST 24, 2015 - AUGUST 25, 2015



CASSINI SFOS

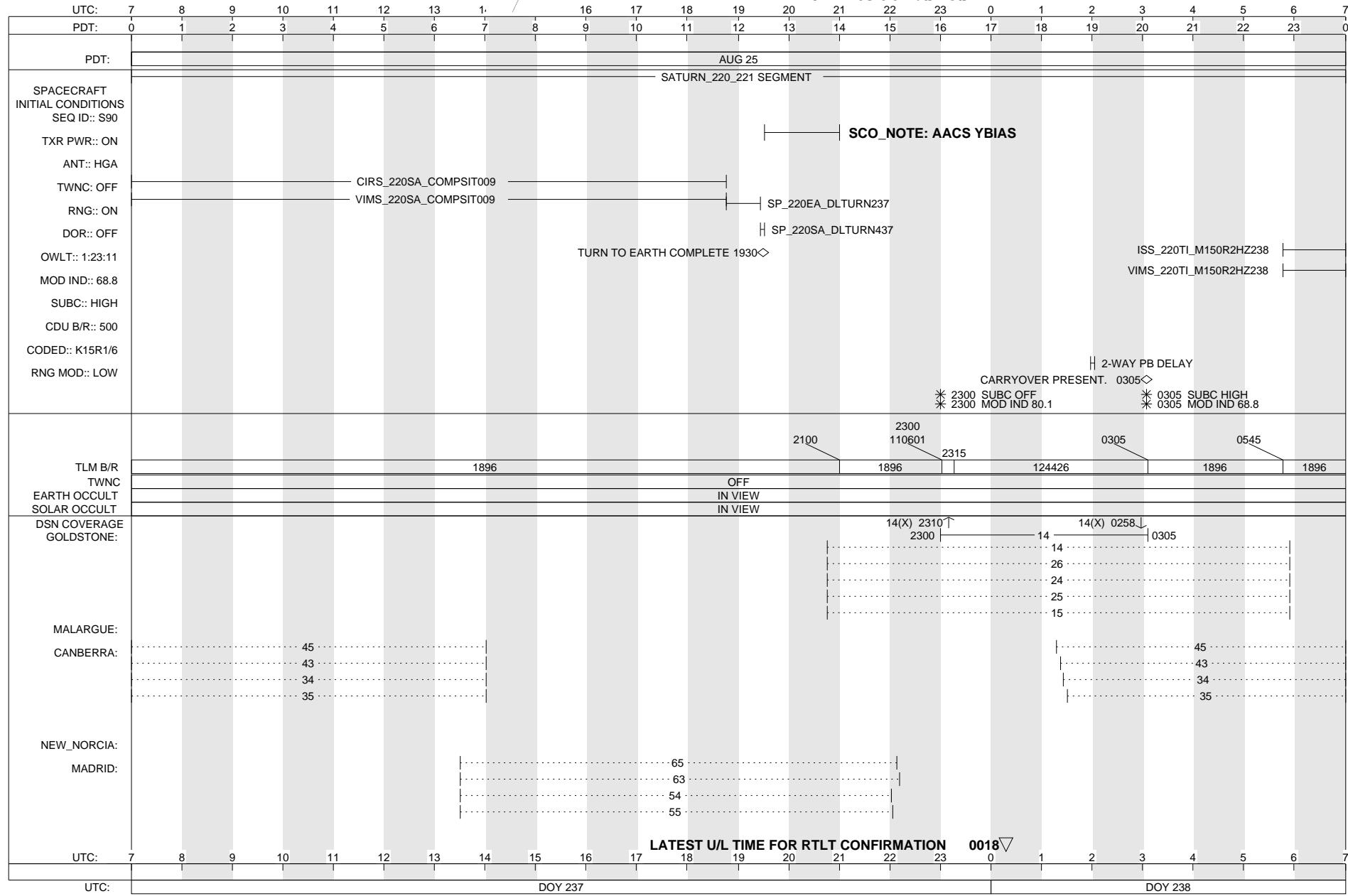
SOE z0900f.soe
SFOS z0900f.sfos

TUESDAY 237-238

AUGUST 25, 2015 - AUGUST 26, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

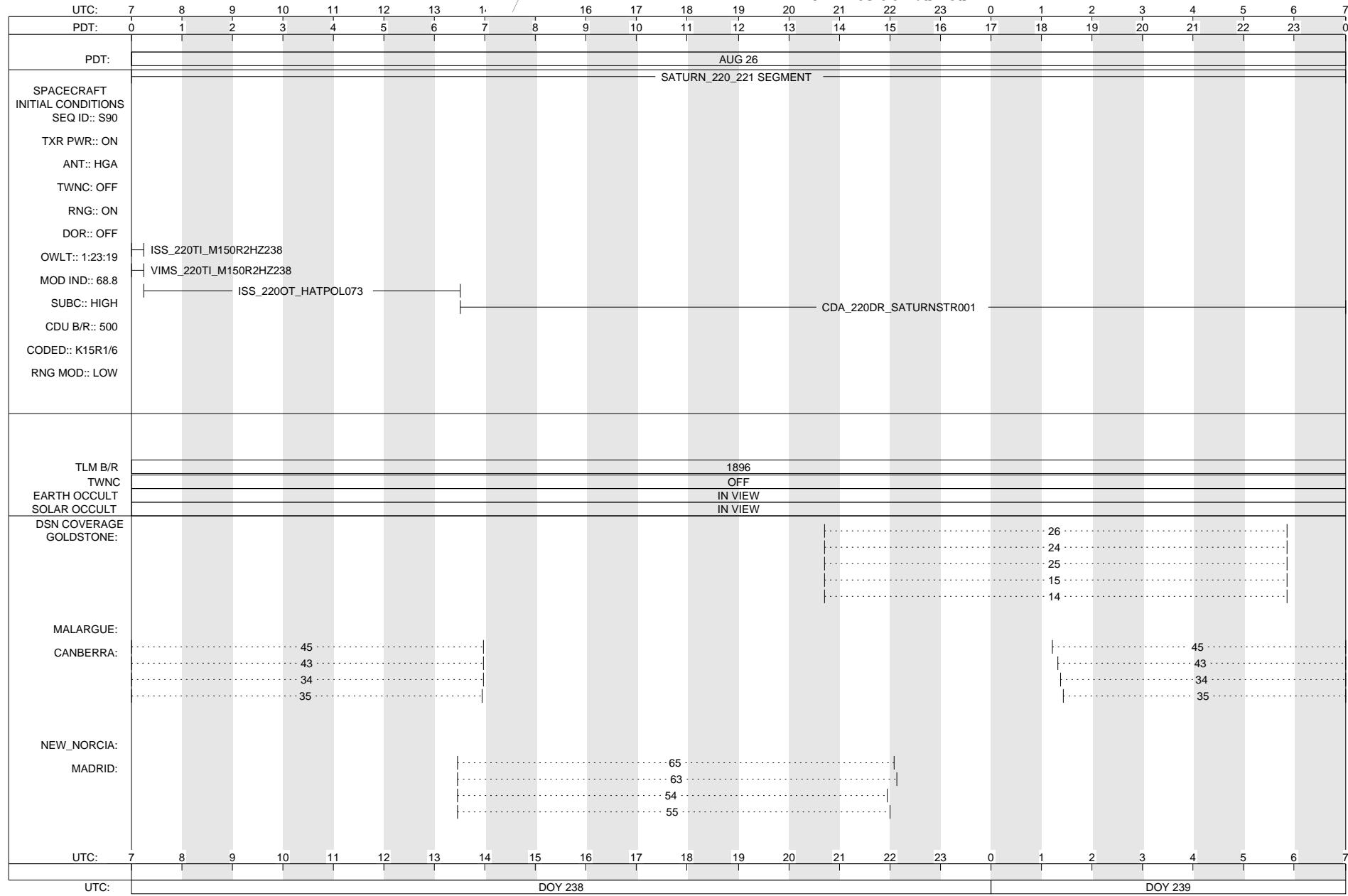
WEDNESDAY 238-239

AUGUST 26, 2015 - AUGUST 27, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos



ISSUE DATE: 06/29/15

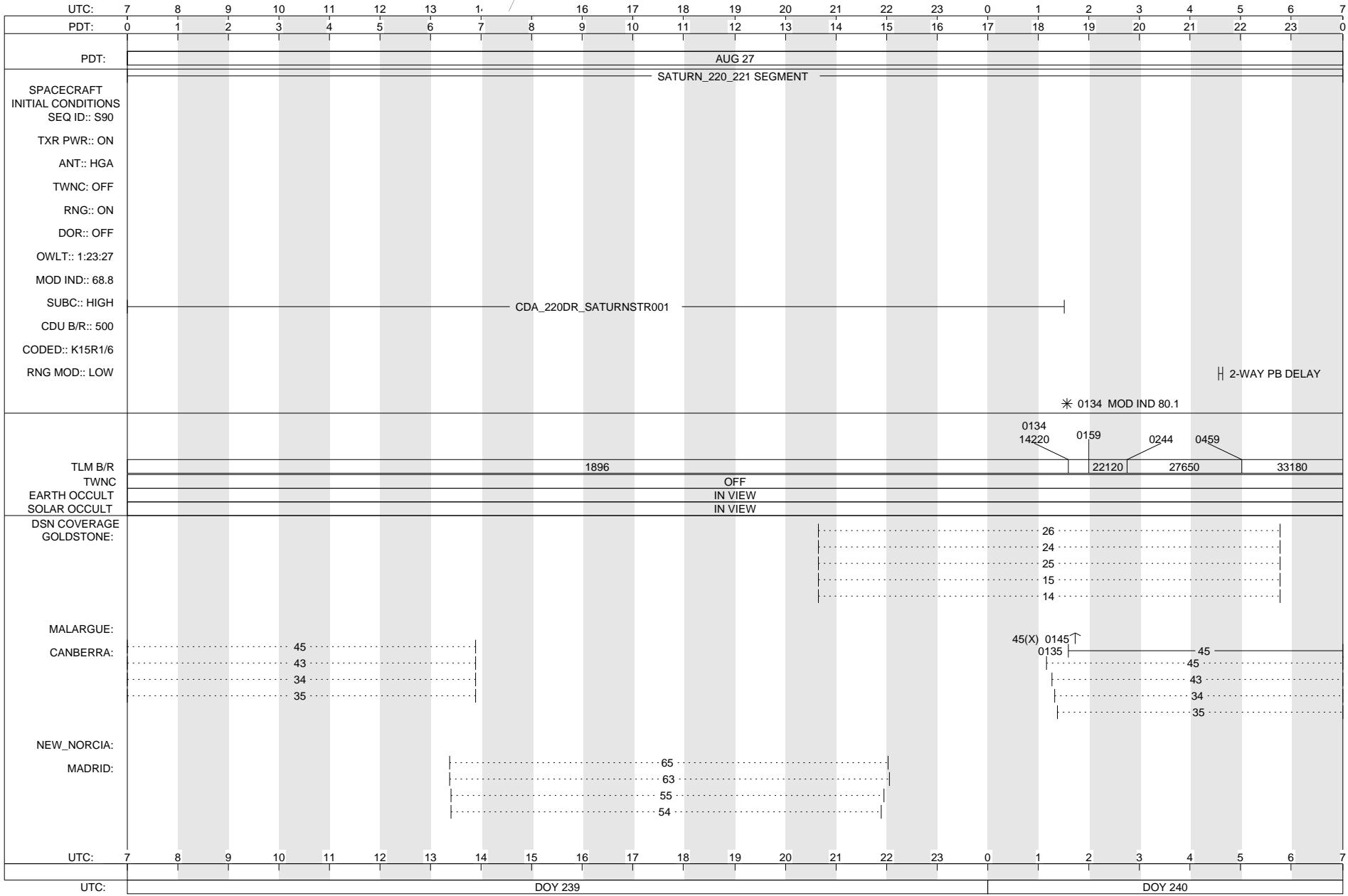
THURSDAY 239-240

AUGUST 27, 2015 - AUGUST 28, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos



ISSUE DATE: 06/29/15

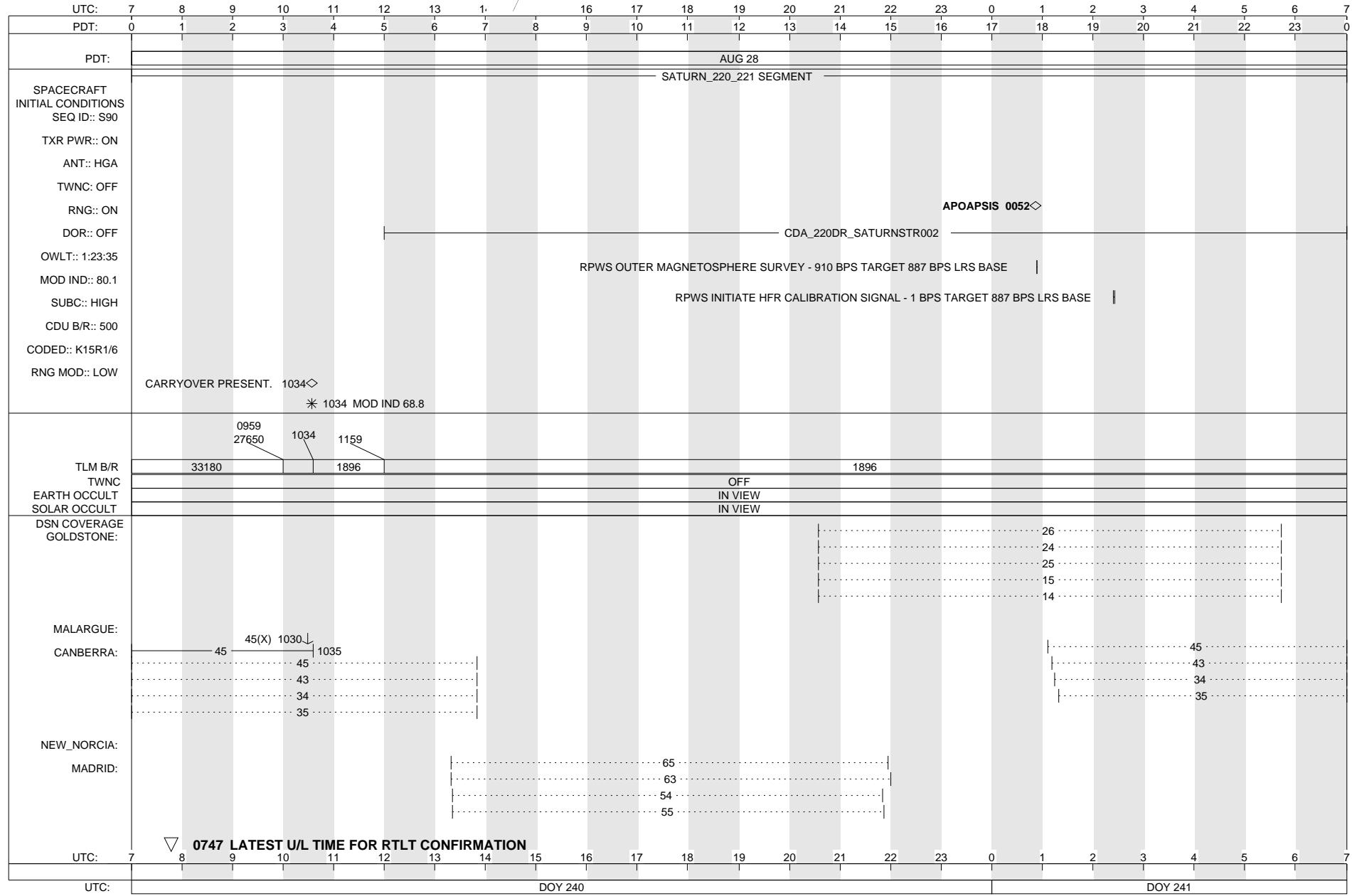
FRIDAY

240-241

AUGUST 28, 2015 - AUGUST 29, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos


ISSUE DATE: 06/29/15

SATURDAY 241-242

AUGUST 29, 2015 - AUGUST 30, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

PDT:

SPACECRAFT INITIAL CONDITIONS
SEQ ID:: S90

TXR PWR:: ON

ANT:: HGA

TWNC:: OFF

RNG:: ON

DOR:: OFF

OWLT:: 1:23:43

MOD IND:: 68.8

SUBC:: HIGH

CDU B/R:: 500

CODED:: K15R1/6

RNG MOD:: LOW

AUG 29

SATURN_220_221 SEGMENT

CDA_220DR_SATURNSTR002

2-WAY PB DELAY

*** 0154 MOD IND 80.1**

TLM B/R

1896

OFF

EARTH OCCULT

SOLAR OCCULT

0154 14220 0209 22120 0244 0459

27650 33180

DSN COVERAGE GOLDSTONE:

MALARGUE:

CANBERRA:

NEW_NORCIA:

MADRID:

LATEST U/L TIME FOR RLT CONFIRMATION 0547

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

DOY 241

DOY 242

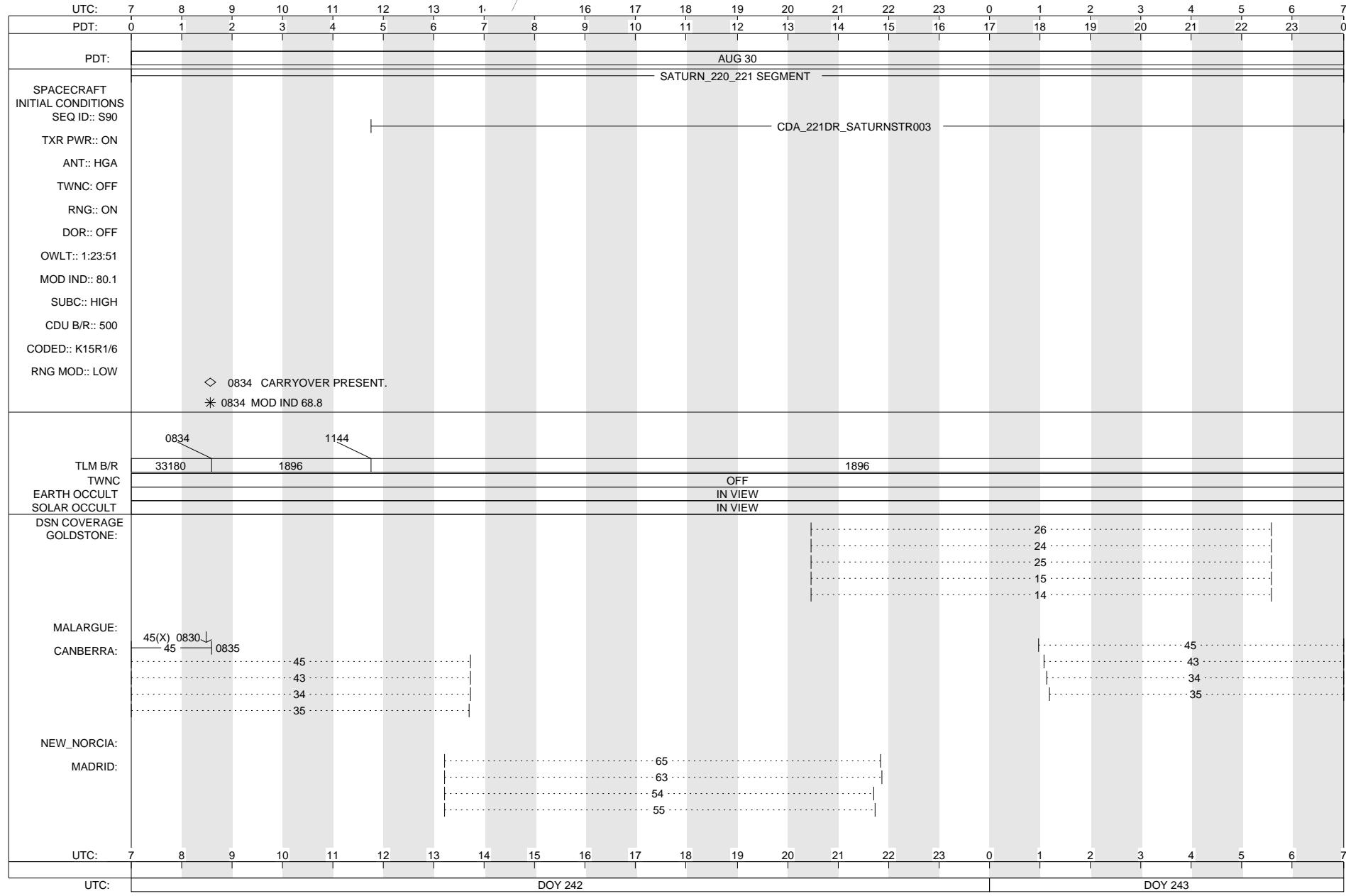
SUNDAY

242-243

AUGUST 30, 2015 - AUGUST 31, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos


ISSUE DATE: 06/29/15

MONDAY 243-244

AUGUST 31, 2015 - SEPTEMBER 1, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

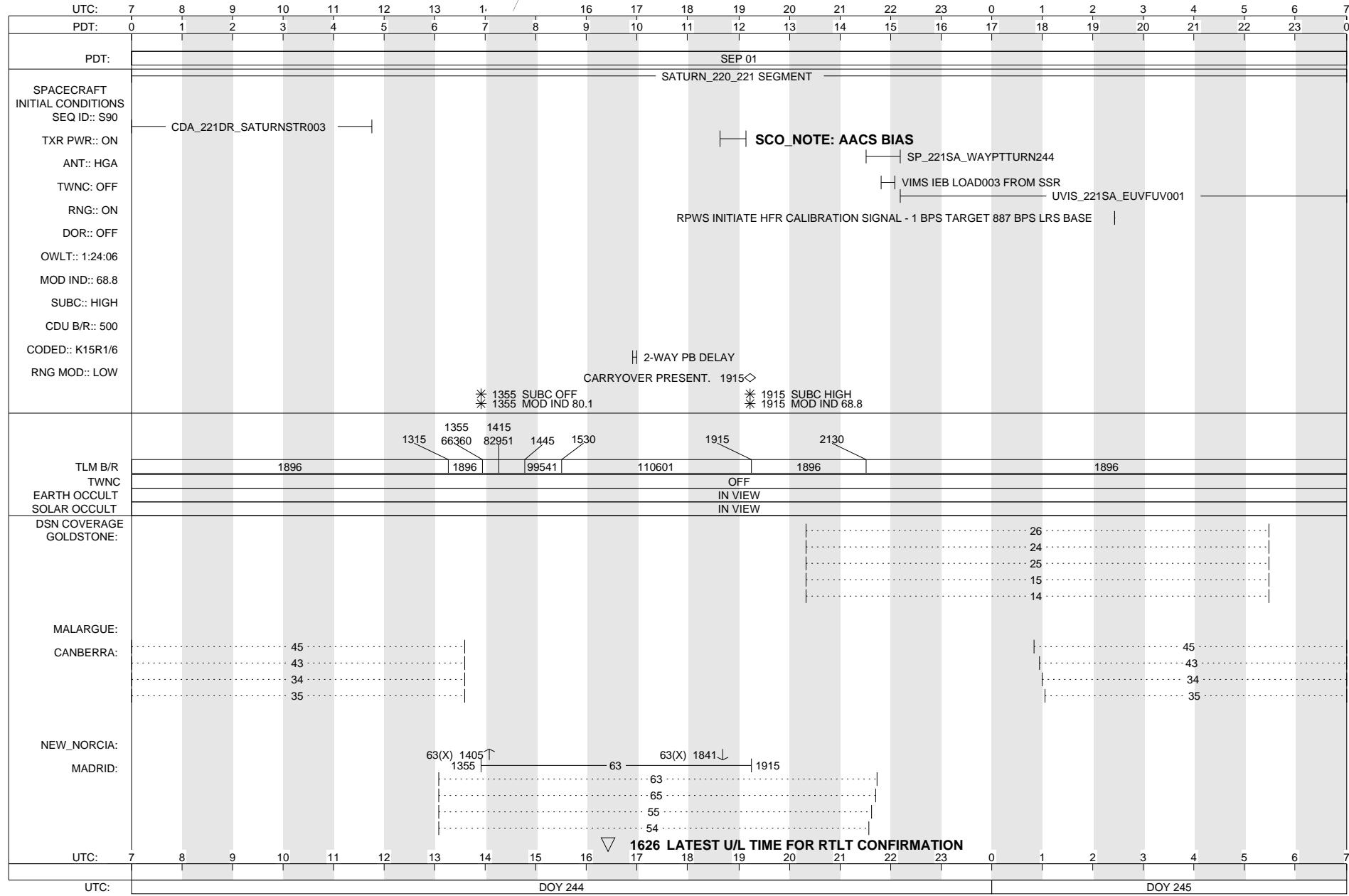
ISSUE DATE: 06/29/15

TUESDAY 244-245

SEPTEMBER 1, 2015 - SEPTEMBER 2, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

WEDNESDAY 245-246

SEPTEMBER 2, 2015 - SEPTEMBER 3, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

PDT:

SPACECRAFT INITIAL CONDITIONS SEQ ID:: S90

TXR PWR:: ON

ANT:: HGA

TWNC:: OFF

RNG:: ON

DOR:: OFF

OWLT:: 1:24:14

MOD IND:: 68.8

SUBC:: HIGH

CDU B/R:: 500

CODED:: K15R1/6

RNG MOD:: LOW

TLM B/R

TWNC

EARTH OCCULT

SOLAR OCCULT

DSN COVERAGE GOLDSTONE:

MALARGUE:

CANBERRA:

NEW_NORCIA:

MADRID:

SEP 02

SATURN_220_221 SEGMENT

UVIS_221SA_EUVFUV001

CIRS_221SA_MIRMAP002

VIMS_221SA_MIRMAP002

1896

OFF

IN VIEW

IN VIEW

26

24

25

15

14

45

43

34

35

65

63

55

54

DOY 245

DOY 246

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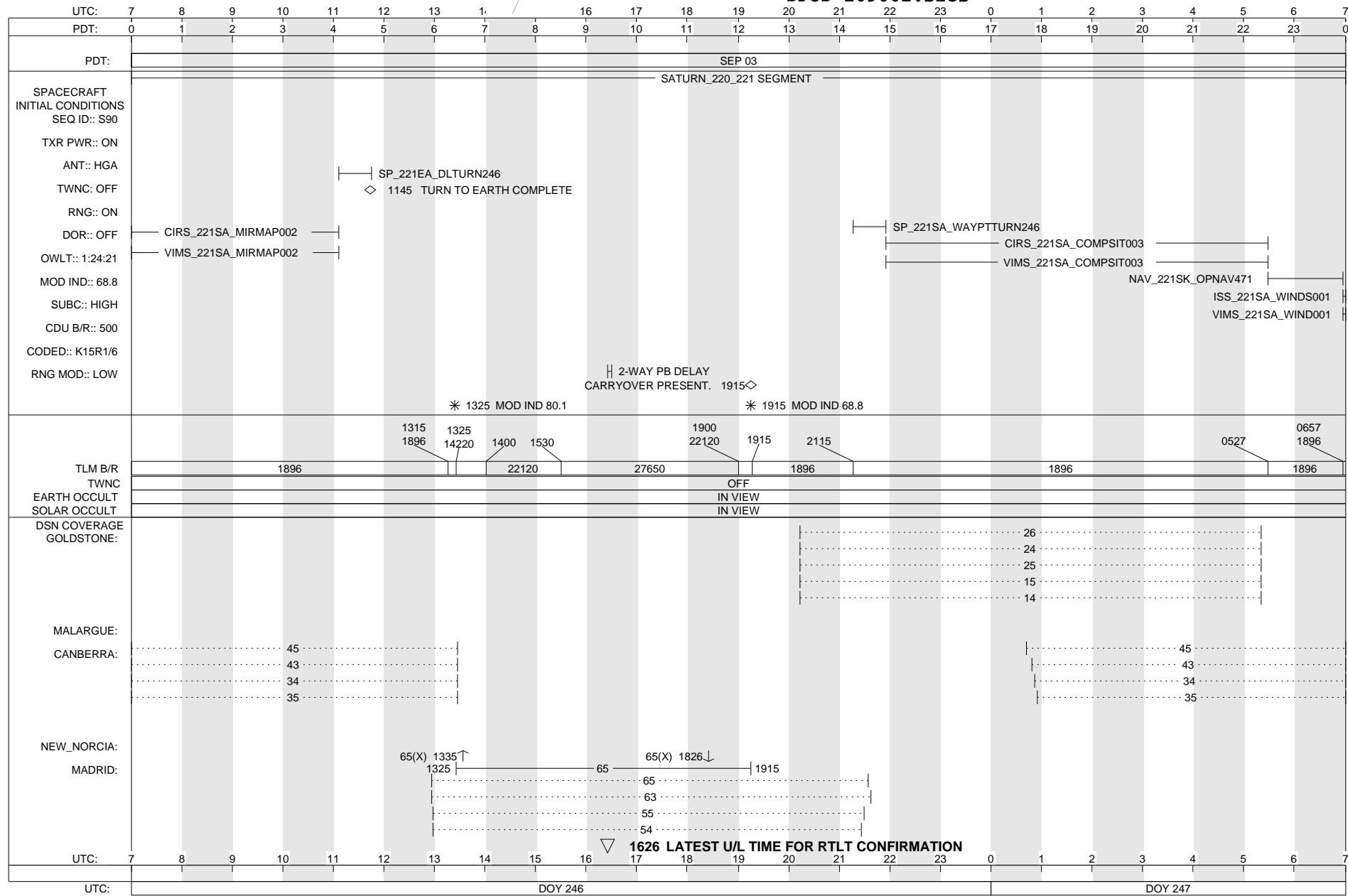
THURSDAY 246-247

SEPTEMBER 3, 2015 - SEPTEMBER 4, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos



ISSUE DATE: 06/29/15

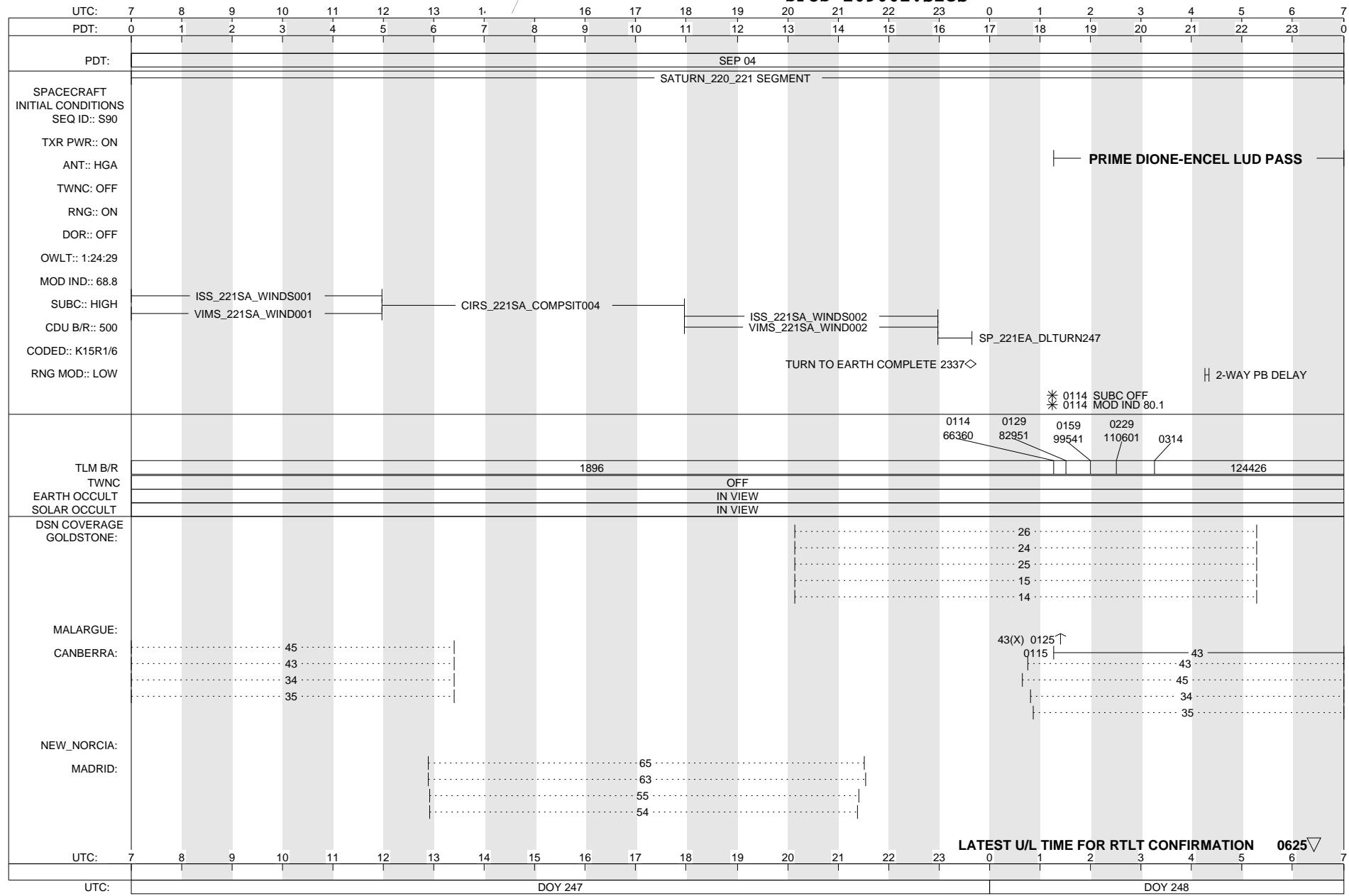
FRIDAY

247-248

SEPTEMBER 4, 2015 - SEPTEMBER 5, 2015



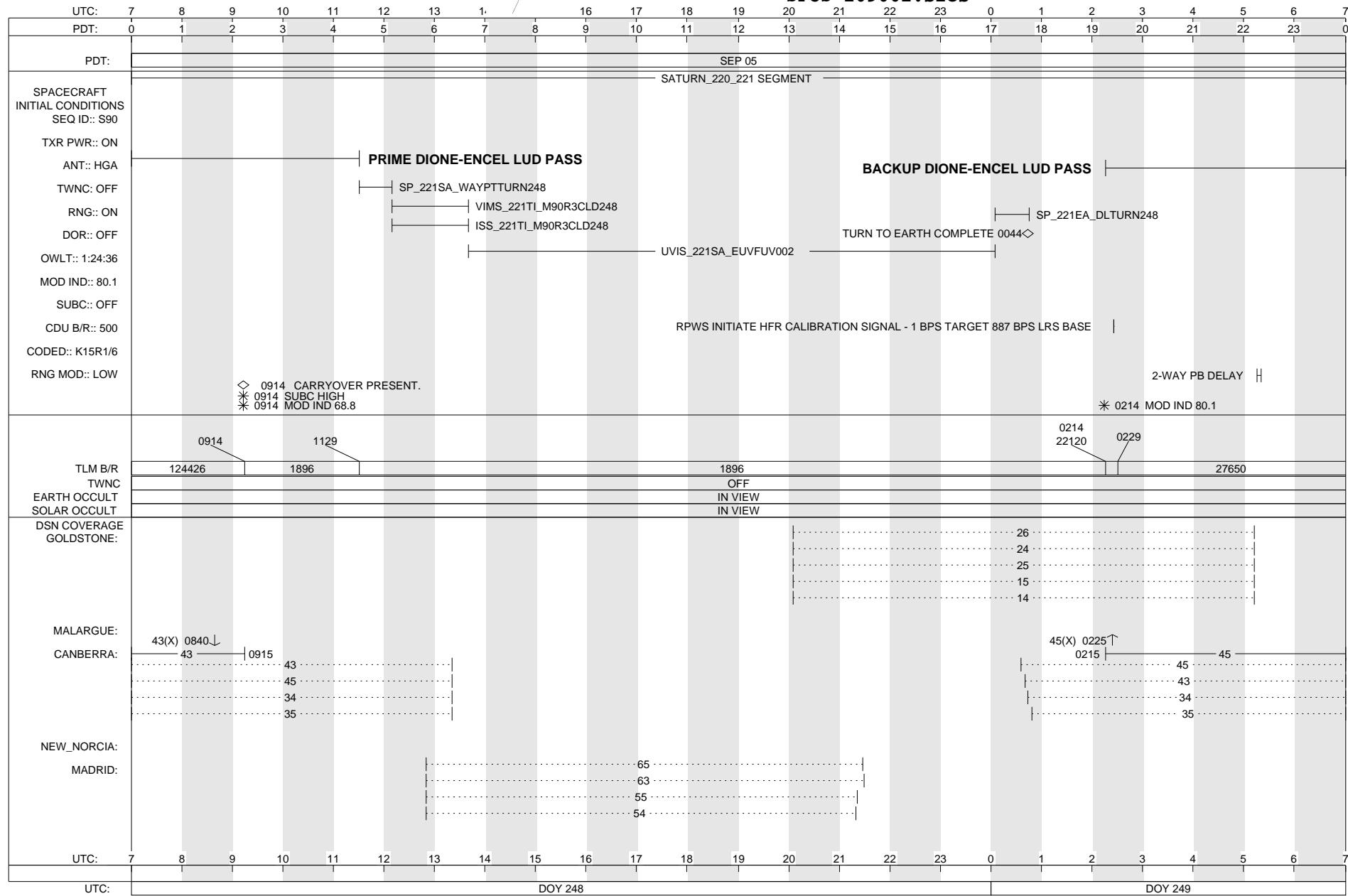
CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos


SATURDAY 248-249

SEPTEMBER 5, 2015 - SEPTEMBER 6, 2015

CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

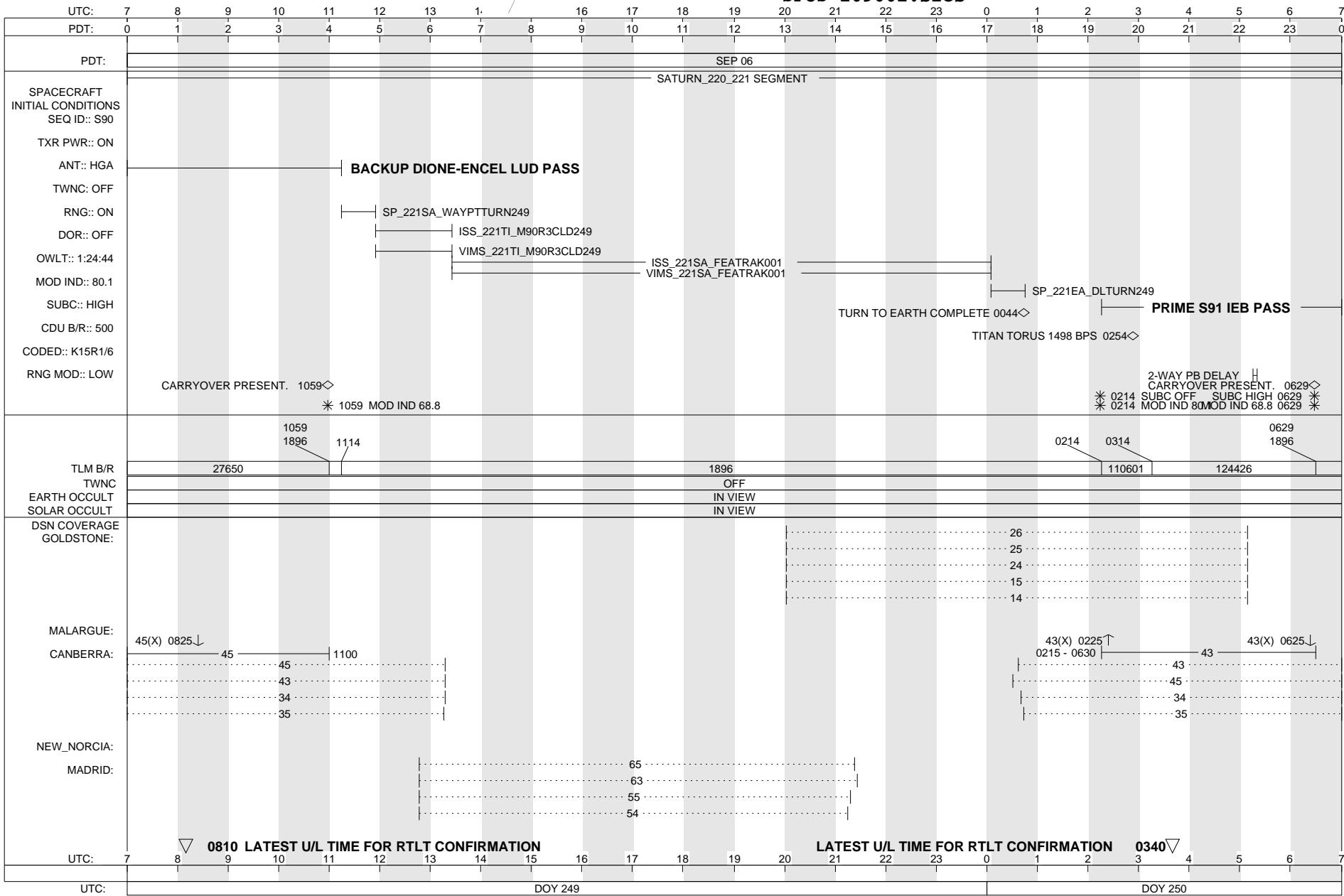
ISSUE DATE: 06/29/15

SUNDAY

249-250

SEPTEMBER 6, 2015 - SEPTEMBER 7, 2015

CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

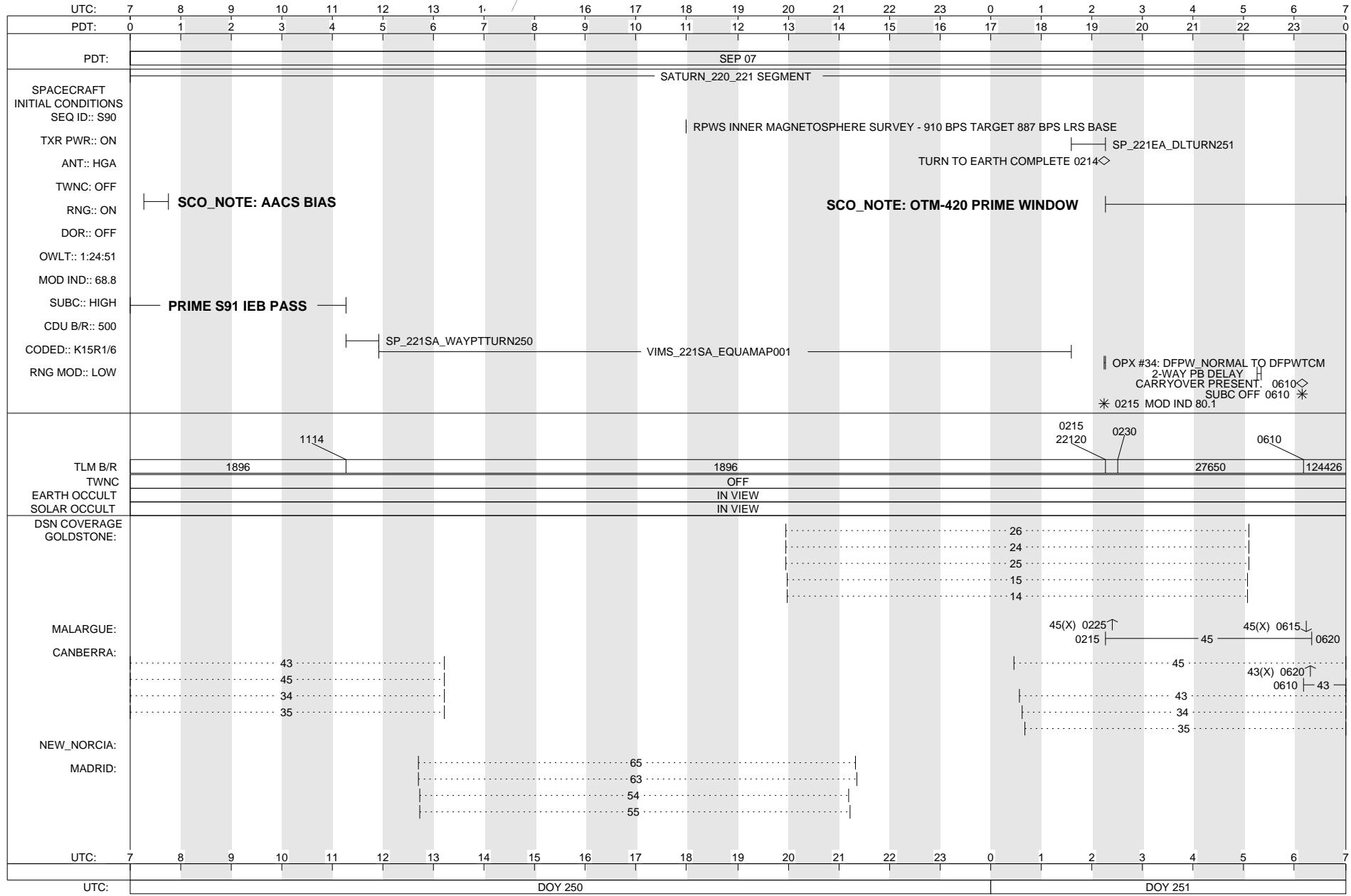
ISSUE DATE: 06/29/15

MONDAY 250-251

SEPTEMBER 7, 2015 - SEPTEMBER 8, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

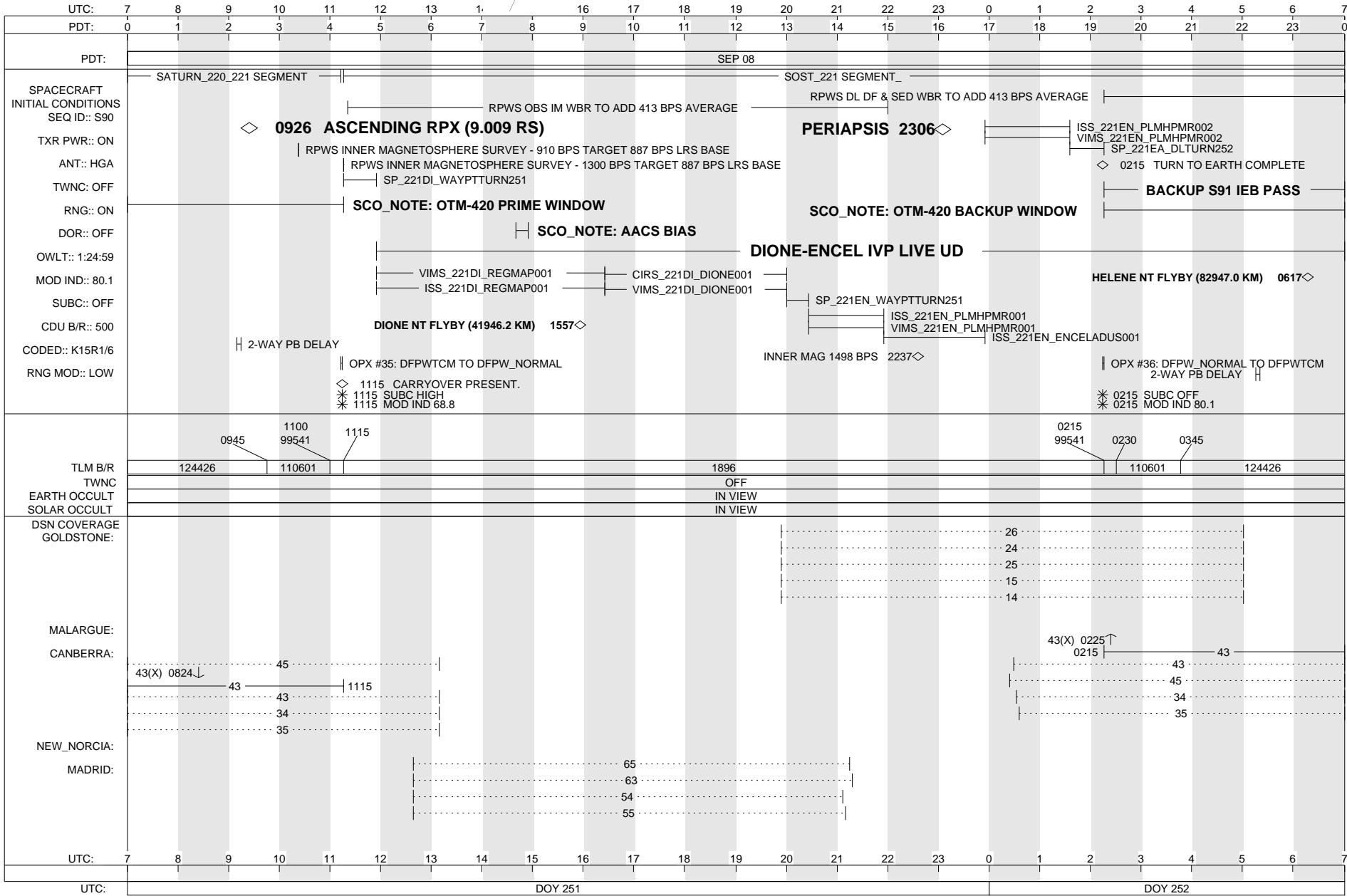
ISSUE DATE: 06/29/15

TUESDAY 251-252

SEPTEMBER 8, 2015 - SEPTEMBER 9, 2015



CASSINI SFOS

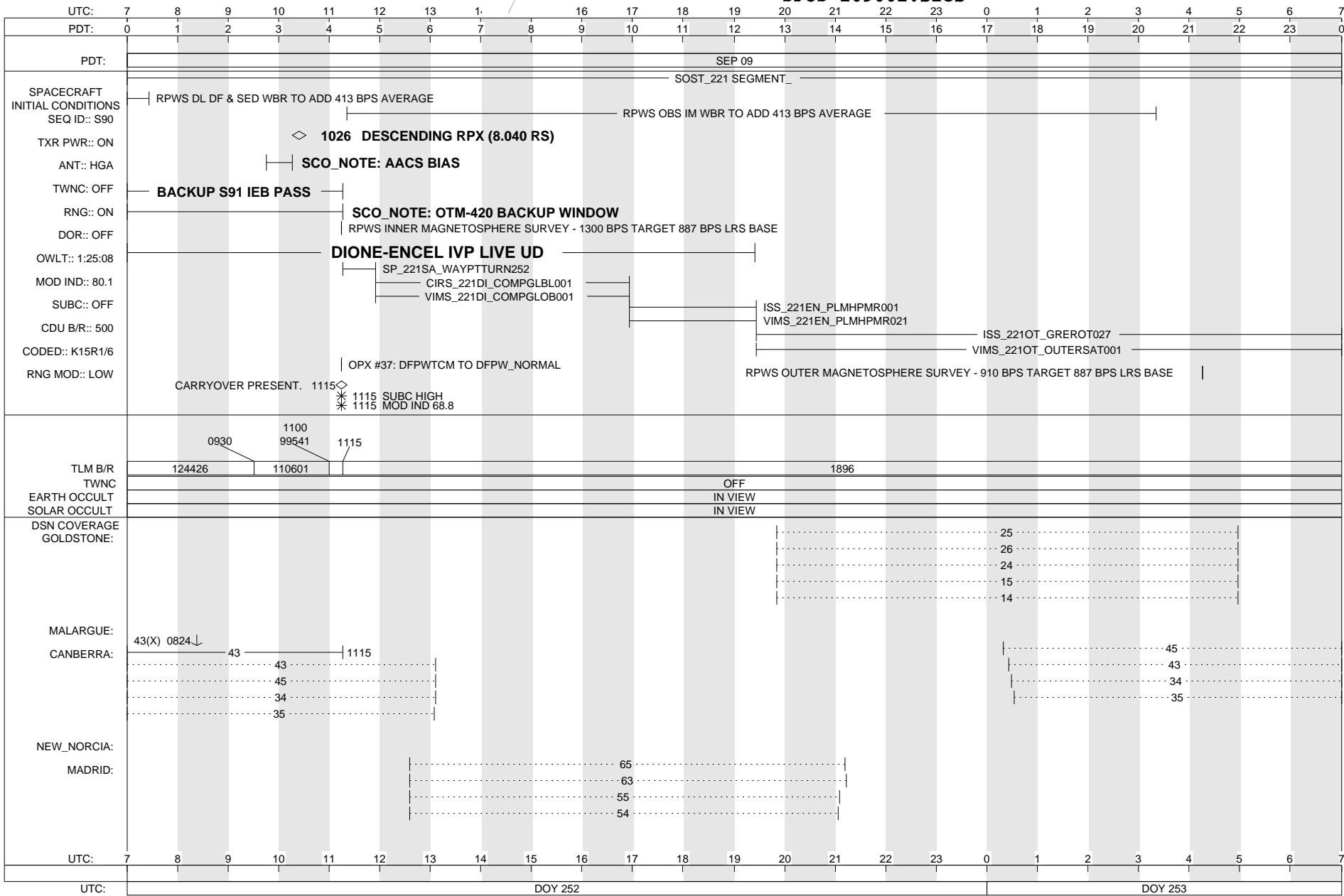
SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

WEDNESDAY 252-253

CASSINI SFOS

SEPTEMBER 9, 2015 - SEPTEMBER 10, 2015

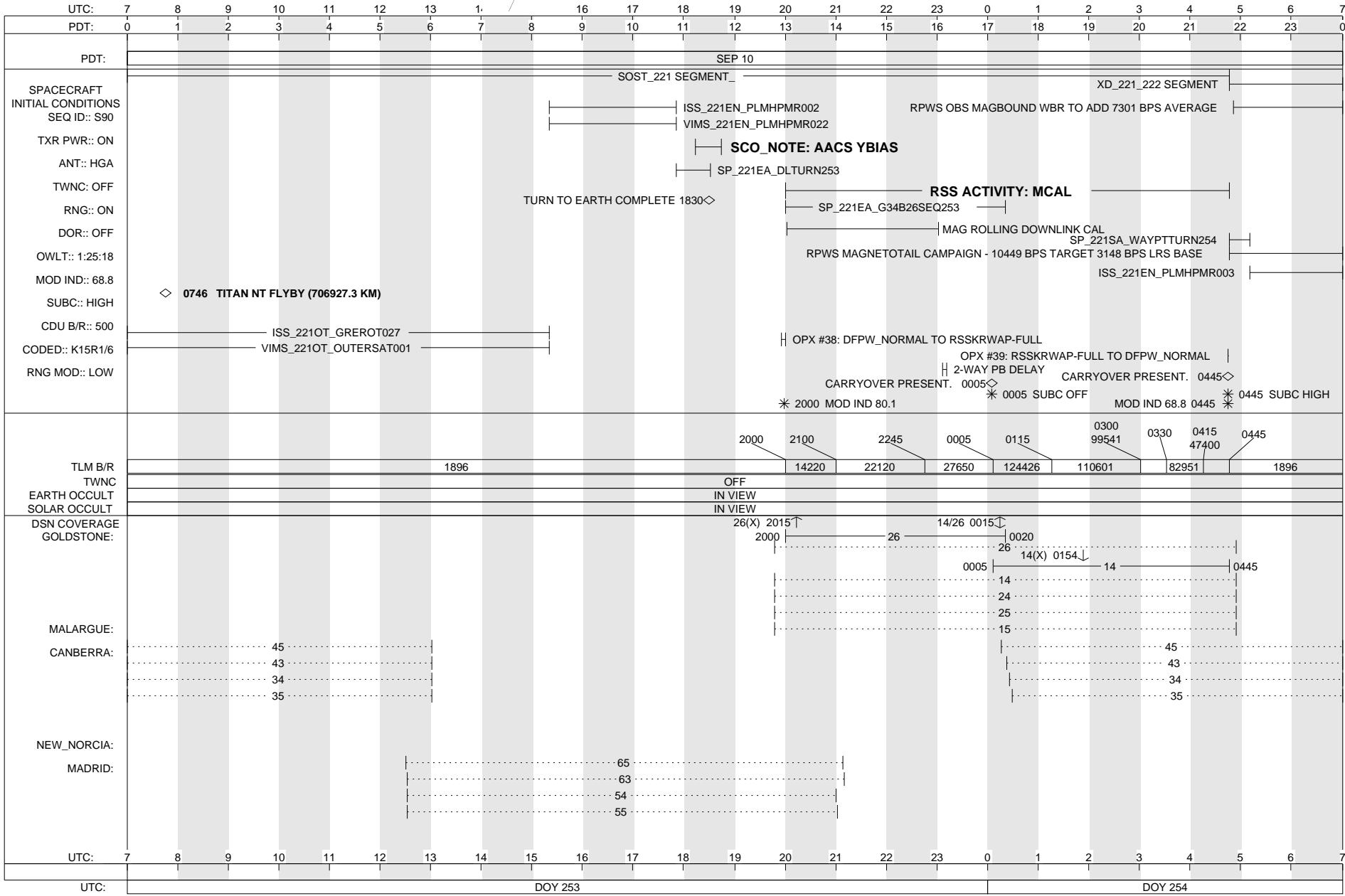
SOE z0900f.soe
SFOS z0900f.sfos

THURSDAY 253-254

SEPTEMBER 10, 2015 - SEPTEMBER 11, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

FRIDAY

254-255

SEPTEMBER 11, 2015 - SEPTEMBER 12, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

Spacecraft Initial Conditions (SEQ ID: S90):

- TXR PWR:: ON
- ANT:: HGA
- TWNC:: OFF
- RNG:: ON
- DOR:: OFF
- OWLT:: 1:25:27
- MOD IND:: 68.8
- SUBC:: HIGH
- CDU B/R:: 500
- CODED:: K15R1/6
- RNG MOD:: LOW

Science Observations:

- RPWS MAGNETOTAIL CAMPAIGN - 10449 BPS TARGET 3148 BPS LRS BASE
- RPWS OBS MAGBOUND WBR TO ADD 7301 BPS AVERAGE
- RPWS OBS SURVEY 80KHZ WBR TO ADD 423 BPS AVERAGE
- VIMS_221EN_PLMHPMR003
- VIMS_221SA_STORMW002
- VIMS_221SA_AURSTARE001
- UVIS_221SA_AURSTARE001
- RPWS OUTER MAGNETOSPHERE SURVEY - 1310 BPS TARGET 887 BPS LRS BASE
- MAG_221SU_CALROLL001

Telemetry and Coverage:

- TLM B/R: 1896, OFF, IN VIEW, IN VIEW
- DSN COVERAGE: GOLDSTONE (26, 24, 25, 15, 14), CANBERRA (45, 43, 34, 35), NEW_NORCIA (65, 63, 54, 55), MADRID (45, 43, 34, 35)
- EARTH OCCULT: IN VIEW
- SOLAR OCCULT: IN VIEW

Timeline Labels:

- UTC: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1, 2, 3, 4, 5, 6, 7
- DOY: 254, 255

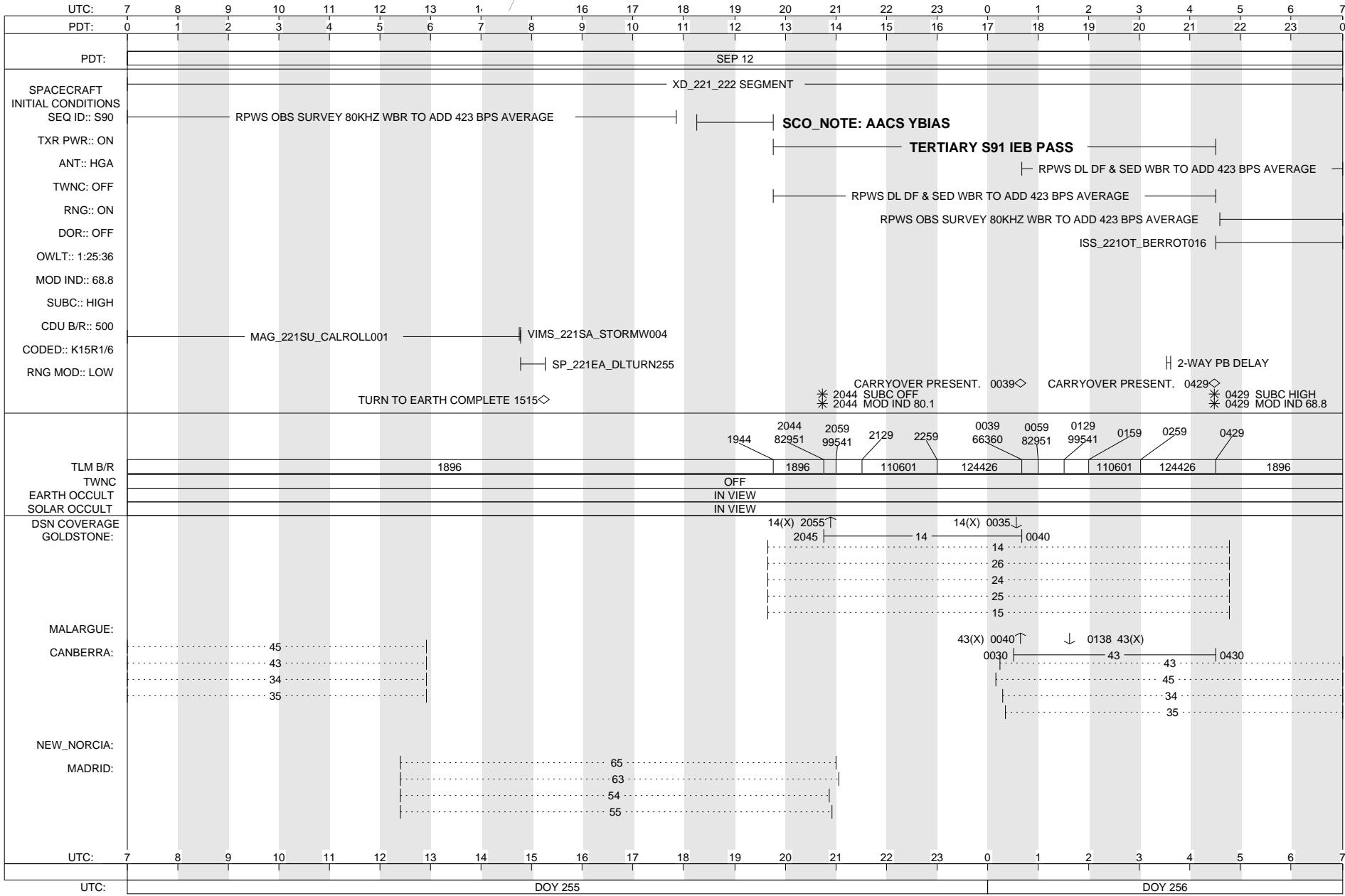
SATURDAY 255-256

CASSINI SFOS

SEPTEMBER 12, 2015 - SEPTEMBER 13, 2015



SOE z0900f.soe
SFOS z0900f.sfos



ISSUE DATE: 06/29/15

SUNDAY

256-257

SEPTEMBER 13, 2015 - SEPTEMBER 14, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfo

SPACECRAFT INITIAL CONDITIONS
SEQ ID:: S90

- TXR PWR:: ON
- ANT:: HGA
- TWNC: OFF
- RNG:: ON
- DOR:: OFF
- OWLT:: 1:25:44
- MOD IND:: 68.8
- SUBC:: HIGH
- CDU B/R:: 500
- CODED:: K15R1/6
- RNG MOD:: LOW

PDT: SEP 13

XD_221_222 SEGMENT

RPWS INITIATE HFR CALIBRATION SIGNAL - 1 BPS TARGET 887 BPS LRS BASE

RPWS OBS SURVEY 80KHZ WBR TO ADD 423 BPS AVERAGE

ISS_221OT_BERROT016

TLM B/R
TWNC
EARTH OCCULT
SOLAR OCCULT

1896
OFF
IN VIEW
IN VIEW

DSN COVERAGE
GOLDSTONE:

- 26
- 24
- 25
- 15
- 14

MALARGUE:

CANBERRA:

- 43
- 45
- 34
- 35

NEW_NORCIA:

MADRID:

- 65
- 63
- 55
- 54

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

DOY 256

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

DOY 257

ISSUE DATE: 06/29/15

MONDAY 257-258

SEPTEMBER 14, 2015 - SEPTEMBER 15, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

TUESDAY

258-259

SEPTEMBER 15, 2015 - SEPTEMBER 16, 2015



CASSINI SFOS

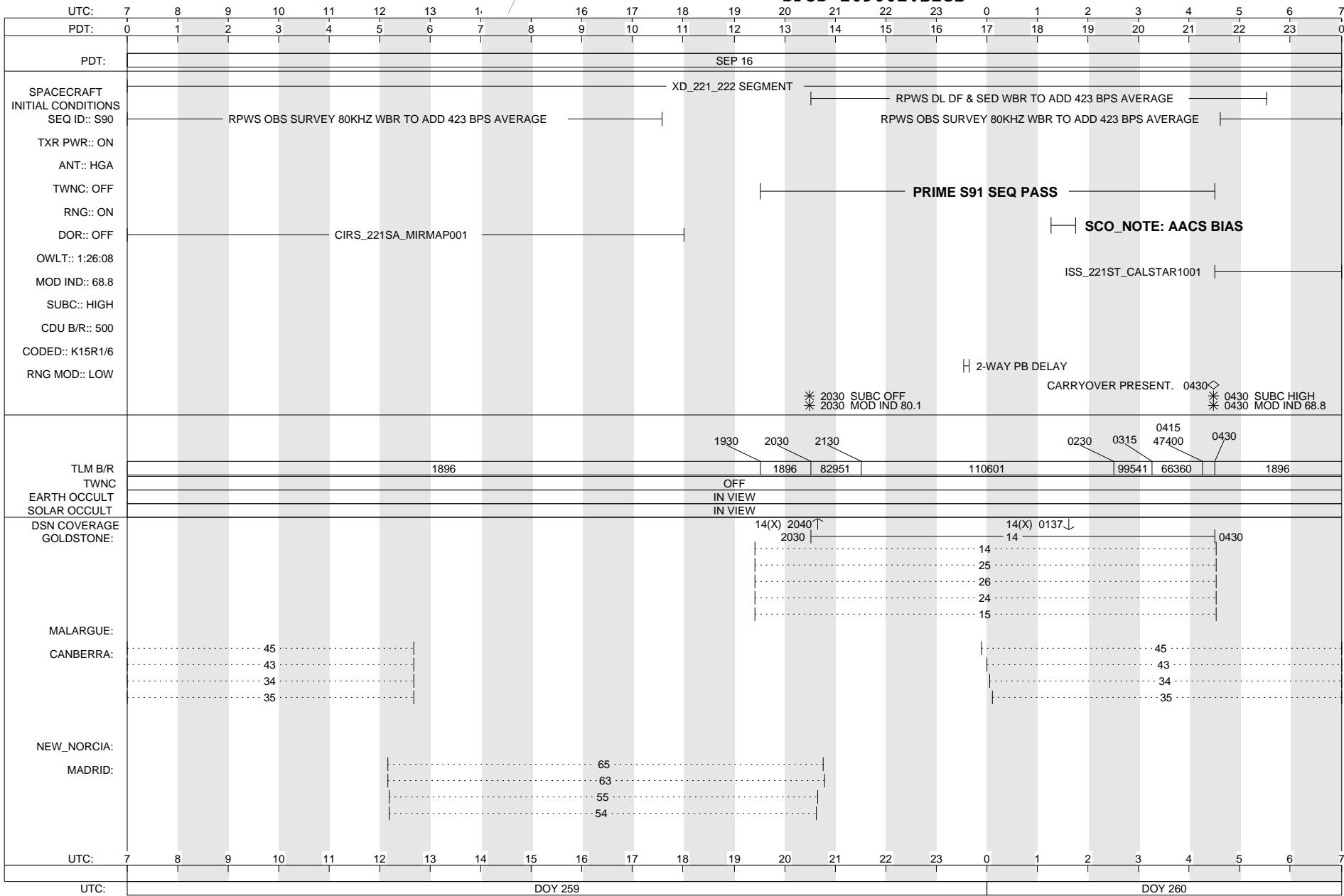
SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

WEDNESDAY 259-260

CASSINI SFOS

SEPTEMBER 16, 2015 - SEPTEMBER 17, 2015

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15

THURSDAY 260-261

CASSINI SFOS



SEPTEMBER 17, 2015 - SEPTEMBER 18, 2015

SOE z0900f.soe
SFOS z0900f.sfos

Spacecraft Initial Conditions SEQ ID: S90

- TXR PWR:: ON
- ANT:: HGA
- TWNC:: OFF
- RNG:: ON
- DOR:: OFF
- OWLT:: 1:26:15
- MOD IND:: 68.8
- SUBC:: HIGH
- CDU B/R:: 500
- CODED:: K15R1/6
- RNG MOD:: LOW

TLM B/R

- TWNC
- EARTH OCCULT
- SOLAR OCCULT

DSN COVERAGE GOLDSTONE:

- MALARGUE:
- CANBERRA:
- NEW_NORCIA:
- MADRID:

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

PDT: SEP 17

XD_221_222 SEGMENT

RPWS OBS SURVEY 80KHZ WBR TO ADD 423 BPS AVERAGE

ISS_221ST_CALSTAR1001

CDA_221DR_ISD0082003

RPWS INITIATE HFR CALIBRATION SIGNAL - 1 BPS TARGET 887 BPS LRS BASE

1896

OFF

IN VIEW

IN VIEW

26

24

25

15

14

45

43

34

35

65

63

55

54

DOY 260

DOY 261

Page 68 of 72

FRIDAY

261-262

SEPTEMBER 18, 2015 - SEPTEMBER 19, 2015



CASSINI SFOS

SOE z0900f.soe

SFOS z0900f.sfos

This figure is a timeline diagram for a space mission, likely Mars 2020, showing the progression of events from UTC 7 to 7 of the following day. The timeline is divided into 24-hour segments, with specific times indicated by vertical lines and labels.

Key Events and Labels:

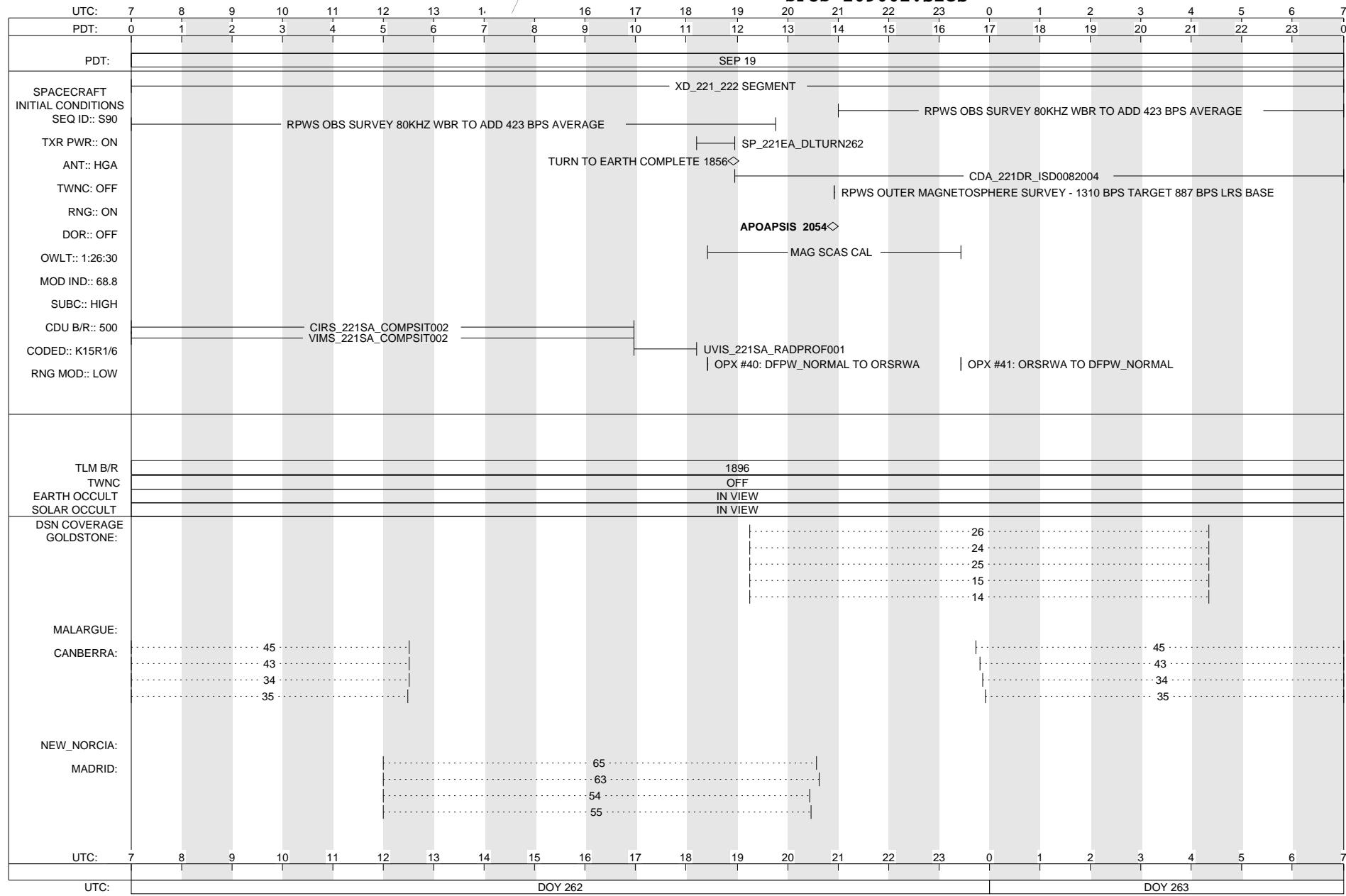
- PDT:** Periods of Data Transmission.
- SPACECRAFT INITIAL CONDITIONS:** SEQ ID: S90
- TXR PWR:: ON**
- ANT:: HGA**
- TWNC:: OFF**
- RNG:: ON**
- DOR:: OFF**
- OWLTT:: 1:26:23**
- MOD IND:: 68.8**
- SUBC:: HIGH**
- CDU B/R:: 500**
- CODED:: K15R1/6**
- RNG MOD:: LOW**
- PDT:** SEP 18
- XD_221_222 SEGMENT**
- RPWS OBS SURVEY 80KHZ WBR TO ADD 423 BPS AVERAGE**
- RPWS DL DF & SED WBR TO ADD 423 BPS AVERAGE**
- RPWS OBS SURVEY 80KHZ WBR TO ADD 423 BPS AVERAGE**
- CDA_221DR_ISD0082003**
- BACKUP S91 SEQ PASS**
- SP_221SA_WAYPTTURN262**
- CIRS_221SA_COMPSPIT002**
- VIMS_221SA_COMPSPIT002**
- 2-WAY PB DELAY**
- CARRYOVER PRESENT. 0415◊**
- * 1930 MOD IND 80.1**
- * 0415 MOD IND 68.8**
- TLM B/R**
- TWNC**
- EARTH OCCULT**
- SOLAR OCCULT**
- 1896**
- 1930 2015 2130**
- 14220 22120**
- 27650**
- 0215 0330 0415**
- 22120 14220**
- 1896**
- OFF**
- IN VIEW**
- IN VIEW**
- 15(X) 1945↑**
- 1930**
- 15(X) 0122↓**
- 0415**
- 15**
- 25**
- 26**
- 24**
- 14**
- MALARGUE:**
- CANBERRA:**
- 45**
- 43**
- 34**
- 35**
- 45**
- 43**
- 34**
- 35**
- DSN COVERAGE GOLDSTONE:**
- NEW_NORCIA:**
- MADRID:**
- 65**
- 63**
- 55**
- 54**

Page 69 of 72

SATURDAY 262-263

CASSINI SFOS

SEPTEMBER 19, 2015 - SEPTEMBER 20, 2015


SOE z0900f.soe
SFOS z0900f.sfos


ISSUE DATE: 06/29/15

SUNDAY

263-264

SEPTEMBER 20, 2015 - SEPTEMBER 21, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

This timeline diagram illustrates the sequence of events for SEP 20, starting from UTC 7 and ending at UTC 7. The diagram includes the following key elements:

- Spacecraft Initial Conditions:** SEQ ID: S90
- TXR PWR:** ON
- ANT:** HGA
- TWNc:** OFF
- RNG:** ON
- DOR:** OFF
- OWLT:** 1:26:37
- MOD IND:** 68.8
- SUBC:** HIGH
- CDU B/R:** 500
- CODED:** K15R1/6
- RNG MOD:** LOW
- PDT:** SEP 20
- RPWS OBS SURVEY 80KHZ WBR TO ADD 423 BPS AVERAGE:** XD_221_222 SEGMENT
- RPWS DL DF & SED WBR TO ADD 423 BPS AVERAGE:**
- CDA_221DR_ISD0082004:**
- RPWS INITIATE HFR CALIBRATION SIGNAL - 1 BPS TARGET 887 BPS LRS BASE:**
- BEGIN S91 SEQ 0414:**
- 2-WAY PB DELAY:**
- CARRYOVER PRESENT. 0414:**
- 1914 SUBC OFF**
- 1914 MOD IND 80.1**
- TLM B/R:** 1896, 47400, 82951, 110601, 0214, 0329, 47400
- TWNc:** OFF, IN VIEW, IN VIEW
- EARTH OCCULT:**
- SOLAR OCCULT:**
- DSN COVERAGE GOLDSTONE:** 14(X) 1935↑, 1915↓, 14, 14, 26, 24, 25, 15, 14(X) 0352↓, 0415
- MALARGUE:**
- CANBERRA:** 45, 43, 34, 35
- NEW_NORCIA:**
- MADRID:** 65, 63, 55, 54
- LATEST U/L TIME FOR RLT CONFIRMATION:** 0121▽
- UTC:** 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1, 2, 3, 4, 5, 6, 7
- DOY:** 263, 264

ISSUE DATE: 06/29/15

MONDAY **264-265**

SEPTEMBER 21, 2015 - SEPTEMBER 22, 2015



CASSINI SFOS

SOE z0900f.soe
SFOS z0900f.sfos

ISSUE DATE: 06/29/15