

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: April 6, 2016

For the Period: 04/07/16 to 04/24/16 (16-098 – 16-115)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

*Zsarina.Bulchand@jpl.nasa.gov
 *gdyke@airmail.ftops.jpl.nasa.gov
 *John.M.Grant@jpl.nasa.gov
 *dmcclena@airmail.ftops.jpl.nasa.gov
 *pquach@airmail.ftops.jpl.nasa.gov
 *mrobles@airmail.ftops.jpl.nasa.gov
 *rwilliam@airmail.ftops.jpl.nasa.gov

OTHER

* KMassey@jgld.gdscc.nasa.gov
 * Belinda.Arroyo@jpl.nasa.gov
 *DL-DSSN-MPSETA@dsn.nasa.gov

SCIENCE

CRS *bryant@mail630.gsfc.nasa.gov
 LECP *r.decker@jhuapl.edu
 UVS *holburg@argus.lpl.arizona.edu
 MAG *u2mha@lepvox.gsfc.nasa.gov
 PLS *vgr@space.mit.edu
 PWS *wsk@space.physics.uiowa.edu
 *Leonard.F.Burlaga@nasa.gov
 *Donald-Gurnett@uiowa.edu

FLIGHT TEAM (14) 600-100

Dodd, S.
 Hall, J.
 Howard, S. (3)
 Ludwig, R. (2)
 Matsumoto, S.
 Medina
 Peralta, F.
 Weeks, T.
 Wong, R.
 Yang, L.
 Zottarelli, L.
 *odivers@san.rr.com

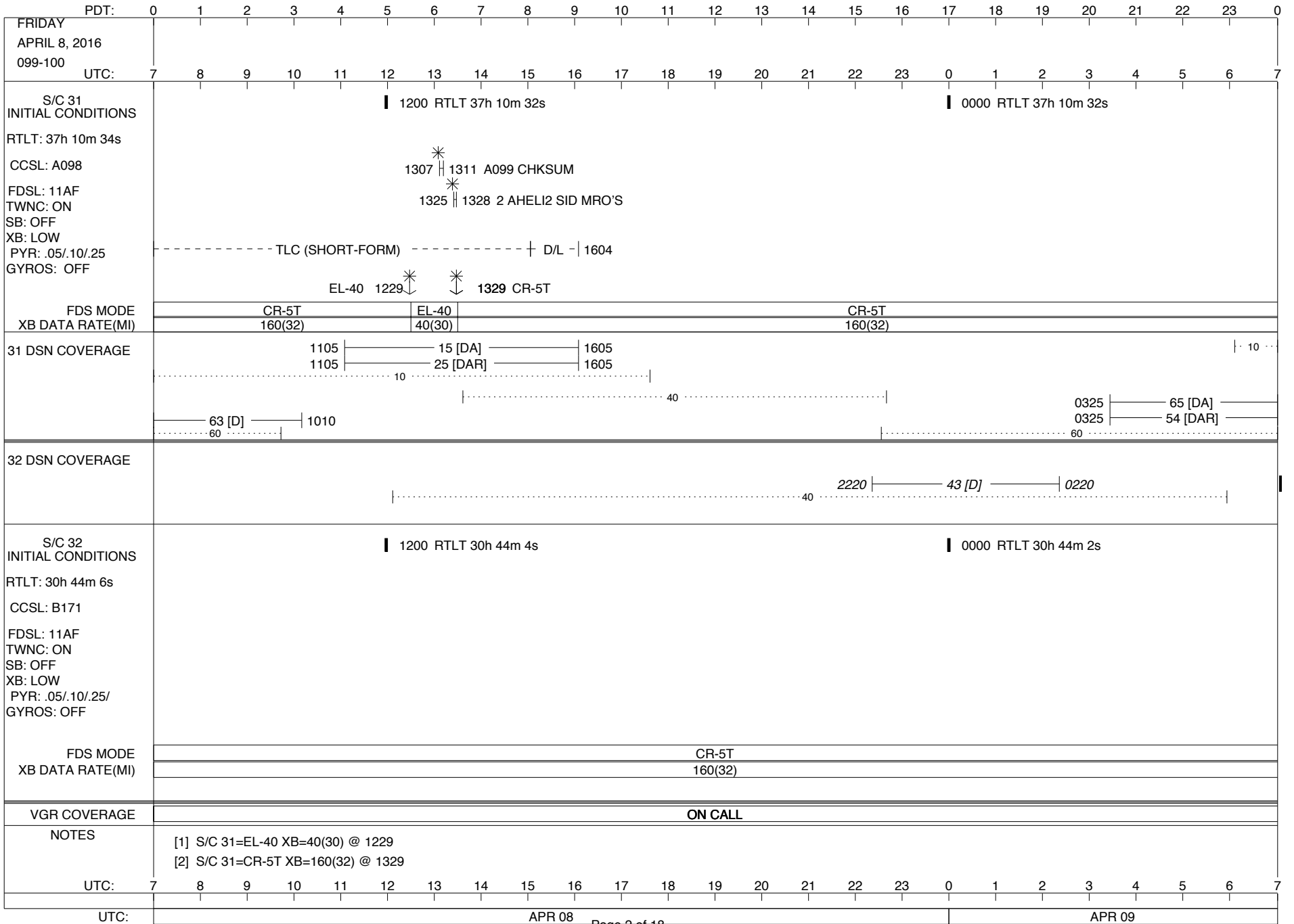
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U = Uplink only pass
 [o] = Ramp-through

*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

ISSUE DATE: 04/11/16 09:02

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			
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			
THURSDAY APRIL 7, 2016 098-099																												
S/C 31 INITIAL CONDITIONS RTLT: 37h 10m 36s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 10m 34s												0000 RTLT 37h 10m 34s															
															2028 |--| 2108 TAPPOS 2330 | 2331 PWS/RH 2342 |---| 0036 TAPPOS													
	----- TLC (SHORT-FORM) -----																											
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p>1410 | 25 [DAR] | 1610 1410 | 26 [DA] | 1610</p> <p>..... 10</p> <p>..... 60</p> </div> <div style="width: 60%; text-align: center;"> <p>..... 40</p> </div> <div style="width: 20%; text-align: right;"> <p>0210 |-----| 63 [D] |-----|</p> <p>..... 60</p> </div> </div>																											
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"></div> <div style="width: 20%; text-align: center;"> <p>2315 |-----| 45 [DA] |-----| 0440 0115 |-----| 35 [DAR] |-----| 0440</p> <p>..... 40</p> </div> <div style="width: 40%;"></div> </div>																											
S/C 32 INITIAL CONDITIONS RTLT: 30h 44m 12s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 44m 10s												0000 RTLT 30h 44m 6s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 2330 XB=2.8K(41) NOT RECOVERABLE																											
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			
UTC:	APR 07														APR 08													

ISSUE DATE: 04/11/16 09:02



ISSUE DATE: 04/11/16 09:02

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
SATURDAY APRIL 9, 2016 100-101	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
S/C 31 INITIAL CONDITIONS RTLTL: 37h 10m 32s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 10m 30s												0000 RTLTL 37h 10m 30s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....|10.....|												.....|40.....|												
	65 [DA] | 0830 54 [DAR] | 0830 60												2335 | 63 [D] | 0120 60												
32 DSN COVERAGE	1200 |-----43 [o]-----| 1600												0250 |-----43 [D]-----| 0550												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 44m 2s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 43m 58s												0000 RTLTL 30h 43m 56s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0230 XB=2.8K(41) NOT RECOVERABLE																								
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
UTC:	APR 09												APR 10												

ISSUE DATE: 04/11/16 09:02

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	
SUNDAY APRIL 10, 2016 101-102	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	
S/C 31 INITIAL CONDITIONS RTLTL: 37h 10m 30s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 10m 28s												0000 RTLT 37h 10m 28s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	0950 |----- 15 [DA] -----| 1455 0950 |----- 25 [DAR] -----| 1455 .....|----- 10 -----| .....|----- 40 -----| .....|----- 60 -----|												.....|----- 0015 -----| 63 [D] -----| 0505 .....|----- 60 -----|													
32 DSN COVERAGE	.....|----- 1755 -----| 34 [D] -----| 0105 .....|----- 40 -----|																									
S/C 32 INITIAL CONDITIONS RTLTL: 30h 43m 56s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 43m 54s												0000 RTLT 30h 43m 50s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE													ON CALL													
NOTES																										
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	
UTC:	APR 10													APR 11												

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	
MONDAY APRIL 11, 2016 102-103																										
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	
S/C 31 INITIAL CONDITIONS RTLT: 37h 10m 28s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 37h 10m 26s												| 0000 RTLT 37h 10m 26s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE	.....| 10 .....												.....| 10											
	.....| 40 .....												.....| 40											
	.....| 60												2220 | 63 [D] | 0225 .....| 60												
32 DSN COVERAGE	.....| 1845 .....												.....| 34 [o] | 0105 .....| 40											
S/C 32 INITIAL CONDITIONS RTLT: 30h 43m 50s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	| 1200 RTLT 30h 43m 48s												| 0000 RTLT 30h 43m 46s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE	ON CALL																									
NOTES																										
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	
UTC:	APR 11													APR 12												

ISSUE DATE: 04/11/16 09:02

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
TUESDAY APRIL 12, 2016 103-104	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
S/C 31 INITIAL CONDITIONS RTLTL: 37h 10m 26s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 10m 24s												0000 RTLT 37h 10m 24s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	.....|												.....|
												
												
												
32 DSN COVERAGE	.....|												.....|
												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 43m 46s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 43m 44s												0000 RTLT 30h 43m 40s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1653 XB=2.8K(41) NOT RECOVERABLE [2] A099 BACKUP U/L TRACK																								
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	
UTC:	APR 12												APR 13												

ISSUE DATE: 04/11/16 09:02

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

WEDNESDAY

APRIL 13, 2016

104-105

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

S/C 31
INITIAL CONDITIONS

1200 RTLT 37h 10m 24s

0000 RTLT 37h 10m 22s

RTLT: 37h 10m 24s

CCSL: A098

FDSL: 11AF

TWNC: ON

SB: OFF

XB: LOW

PYR: .05/.10/.25

GYROS: OFF

TLC (SHORT-FORM)

FDS MODE

CR-5T

XB DATA RATE(MI)

160(32)

31 DSN COVERAGE

1055 | 24 [DAR] | 1255

1055 | 26 [DA] | 1255

10

10

40

40

60

60

32 DSN COVERAGE

1625

34 [o]

2145

40

S/C 32
INITIAL CONDITIONS

1200 RTLT 30h 43m 38s

0000 RTLT 30h 43m 36s

RTLT: 30h 43m 40s

CCSL: B171

FDSL: 11AF

TWNC: ON

SB: OFF

XB: LOW

PYR: .05/.10/.25/

GYROS: OFF

FDS MODE

CR-5T

XB DATA RATE(MI)

160(32)

VGR COVERAGE

ON CALL

NOTES

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

UTC:

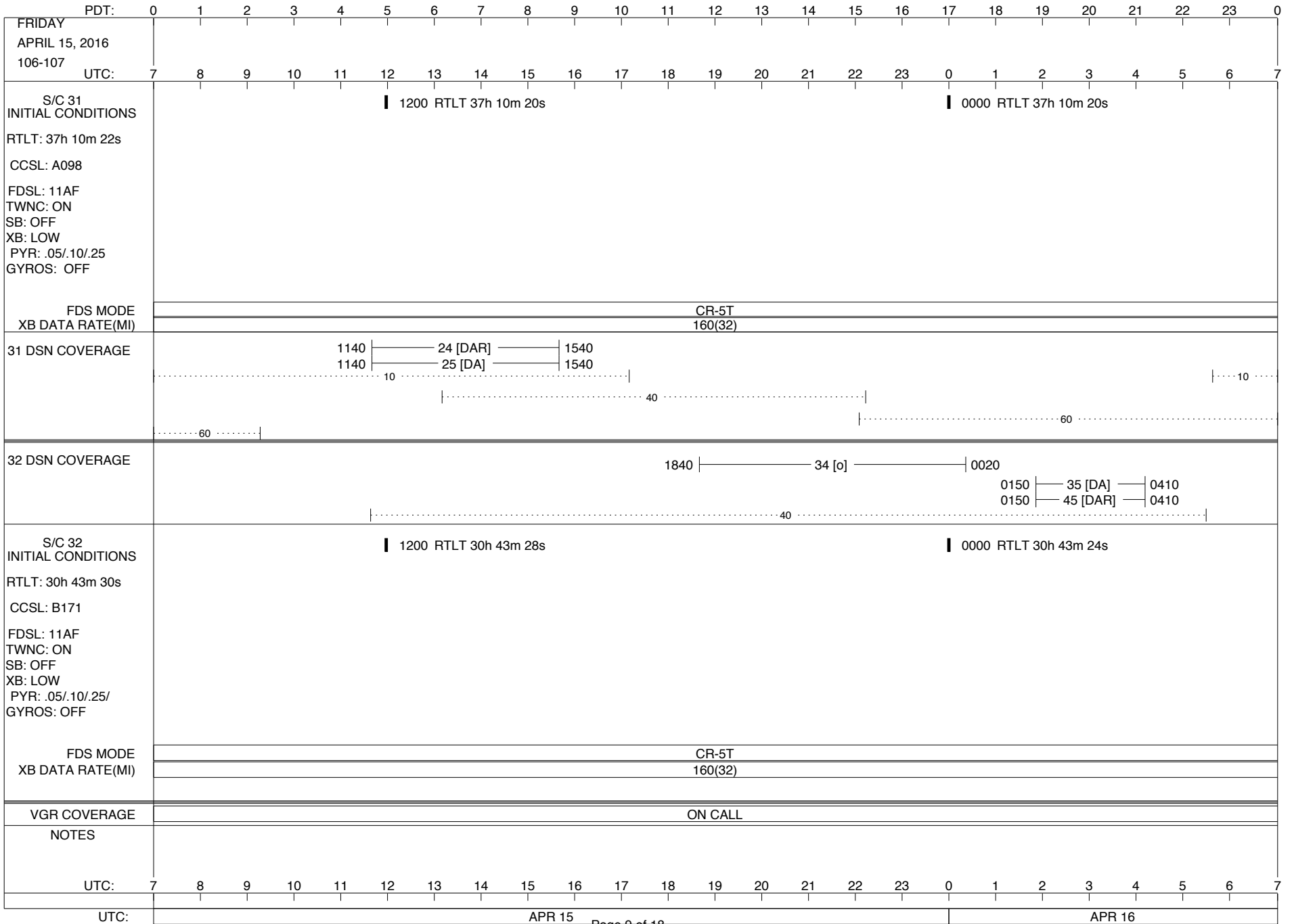
APR 13

APR 14

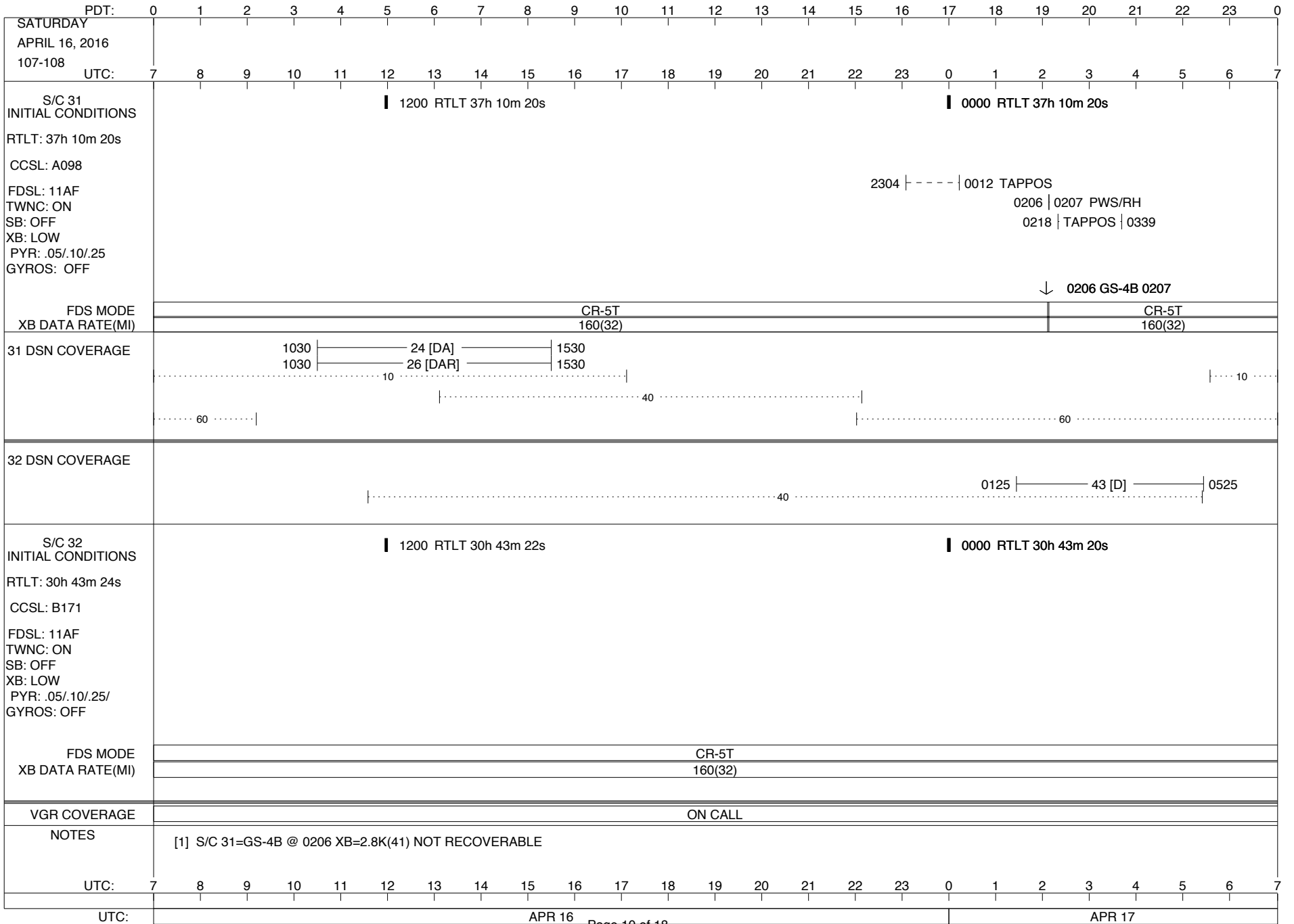
ISSUE DATE: 04/11/16 09:02

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		
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		
THURSDAY APRIL 14, 2016 105-106																												
S/C 31 INITIAL CONDITIONS RTLT: 37h 10m 22s CCSL: A098 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 37h 10m 22s												0000 RTLT 37h 10m 22s														
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)												CR-5T 160(32)														
31 DSN COVERAGE		<p>0910 |-----| 15 [DA] |-----| 1540 0910 |-----| 26 [DAR] |-----| 1540 .....|-----| 10 .....|-----| 10</p> <p>.....60 .....|-----| 40 .....|-----| 2305 |-----| 63 [D] |-----| 0100 .....|-----| 60</p>																										
32 DSN COVERAGE		<p>2030 |-----| 45 [DA] |-----| 0410 .....|-----| 40 .....|-----| 0050 |-----| 34 [DAR] |-----| 0410 .....|-----| 40</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 30h 43m 36s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF		1200 RTLT 30h 43m 32s												0000 RTLT 30h 43m 30s														
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																										
VGR COVERAGE		ON CALL																										
NOTES		[1] S/C 31=GS-4B @ 2306 XB=2.8K(41) NOT RECOVERABLE																										
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		
UTC:		APR 14															APR 15											

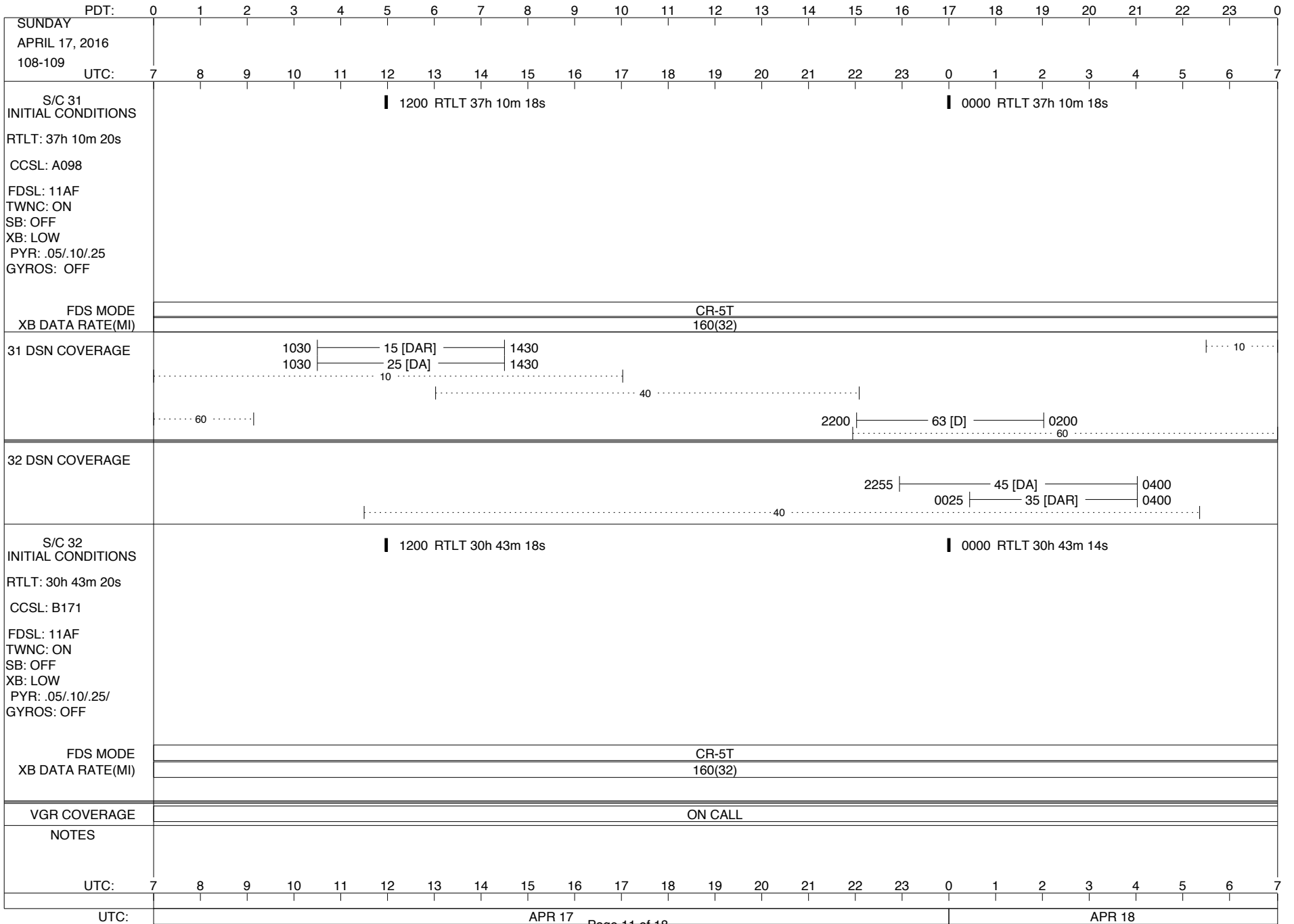
ISSUE DATE: 04/11/16 09:02



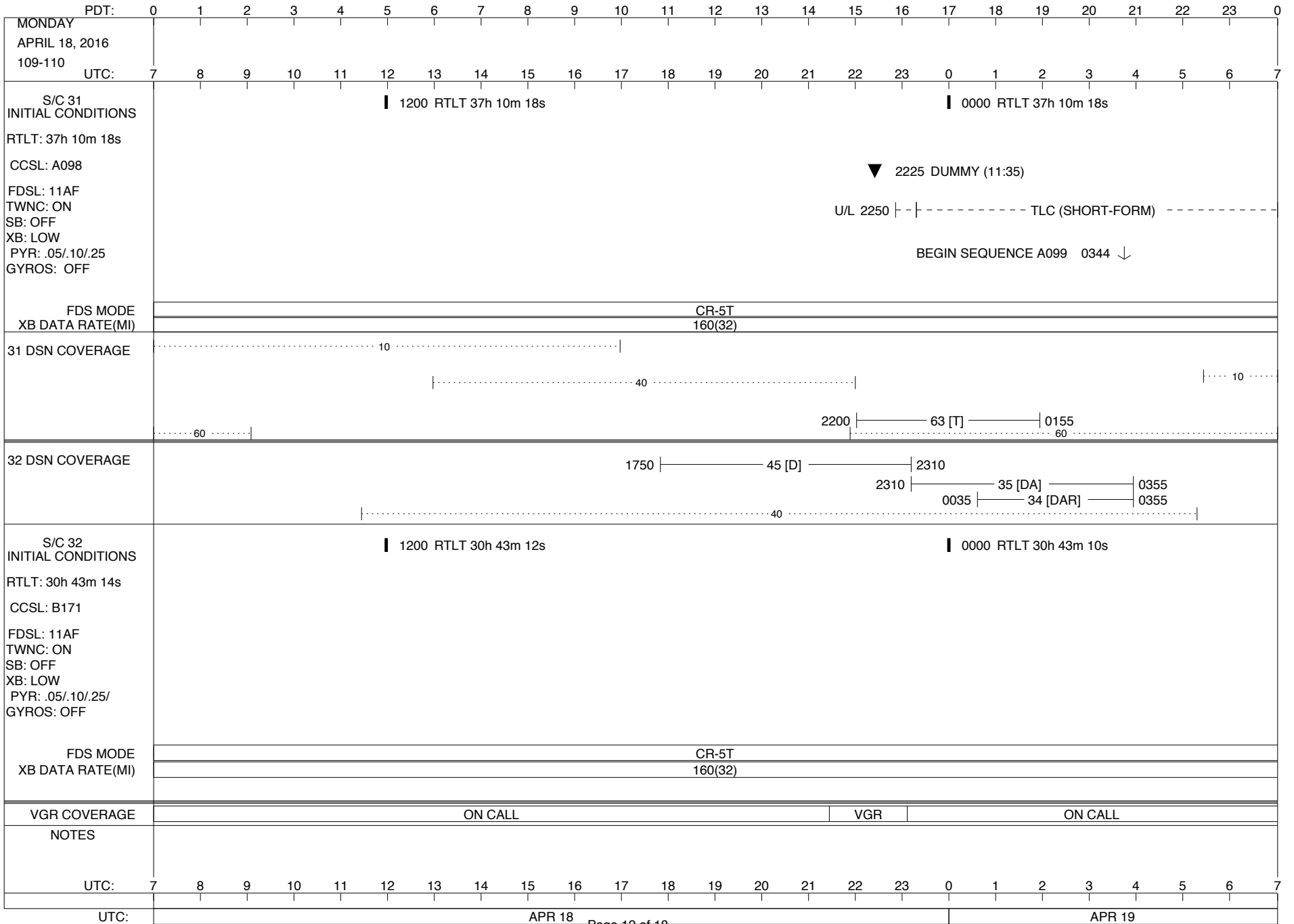
ISSUE DATE: 04/11/16 09:02



ISSUE DATE: 04/11/16 09:02



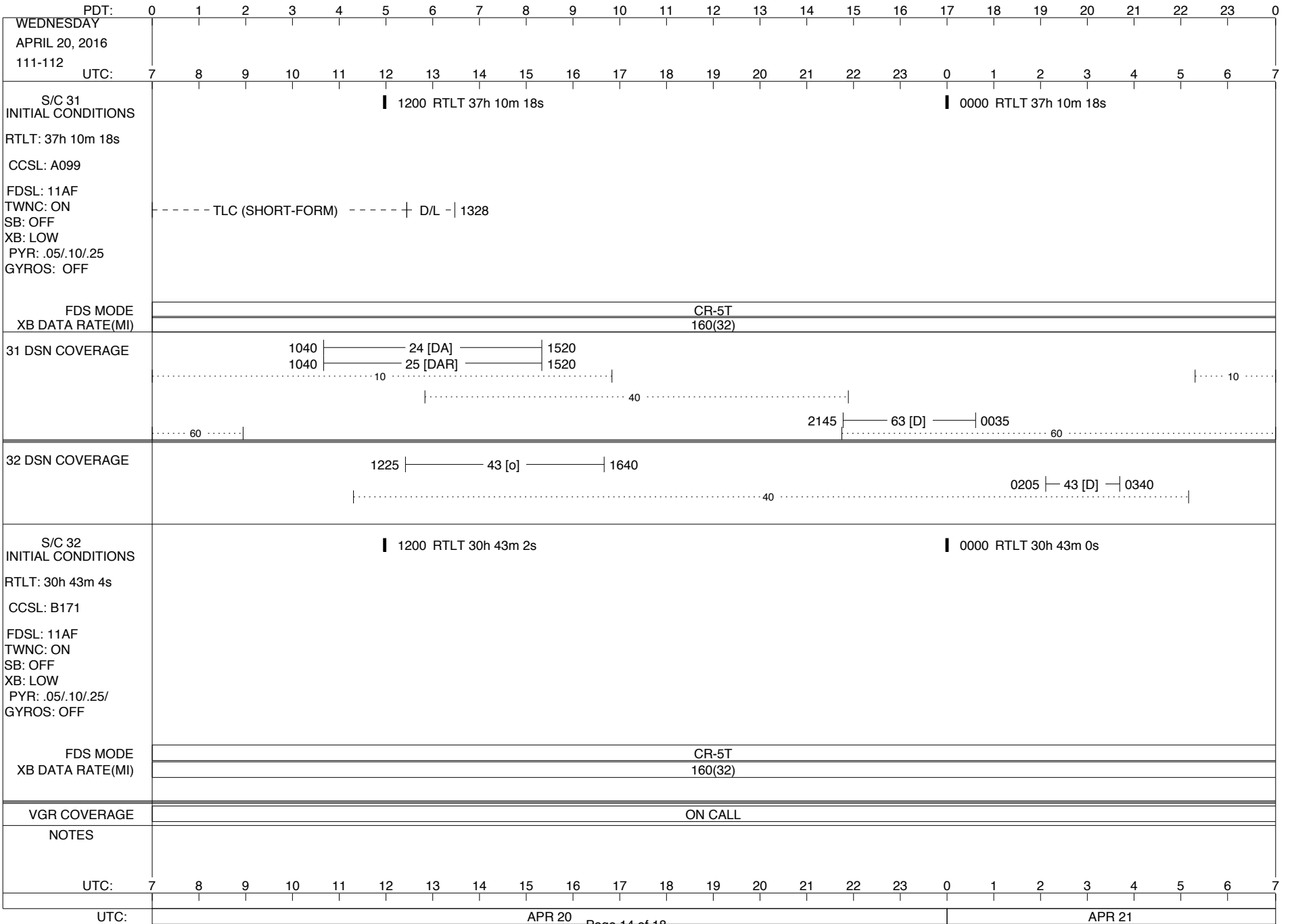
ISSUE DATE: 04/11/16 09:02



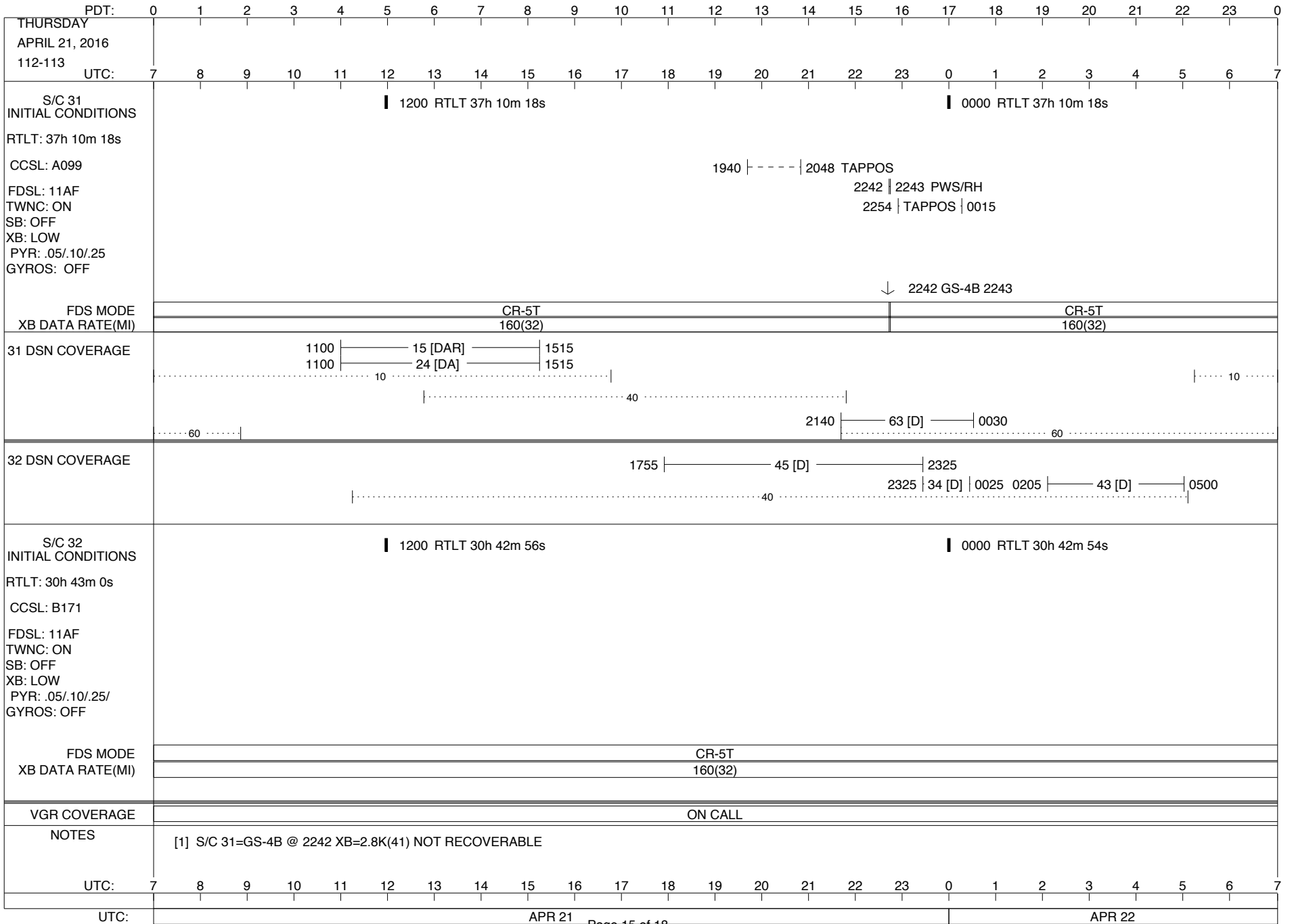
ISSUE DATE: 04/11/16 09:02

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
TUESDAY APRIL 19, 2016 110-111	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
S/C 31 INITIAL CONDITIONS RTLTL: 37h 10m 18s CCSL: A099 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 10m 18s												0000 RTLTL 37h 10m 18s												
	1300 | - - - - | 1410 SHUNT POWER TEST																								
	↓ 1334 UVS OFF																								
	----- TLC (SHORT-FORM) -----																								
	1629 | 1630 PWS/RH																								
	↓ 1629 GS-4B 1630																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1115 | 24 [DAR] | 1525																								
	1115 | 26 [DA] | 1525																								
	..... 10 .....												..... 10											
	| ..... 40 .....												| ..... 40											
	..... 60												2150 | 63 [D] | 0040											
													..... 60											
32 DSN COVERAGE													1845 | 35 [D] | 2245												
													..... 40											
S/C 32 INITIAL CONDITIONS RTLTL: 30h 43m 10s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 43m 6s												0000 RTLTL 30h 43m 4s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1629 XB=2.8K(41) NOT RECOVERABLE																								
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
UTC:	APR 19												APR 20												

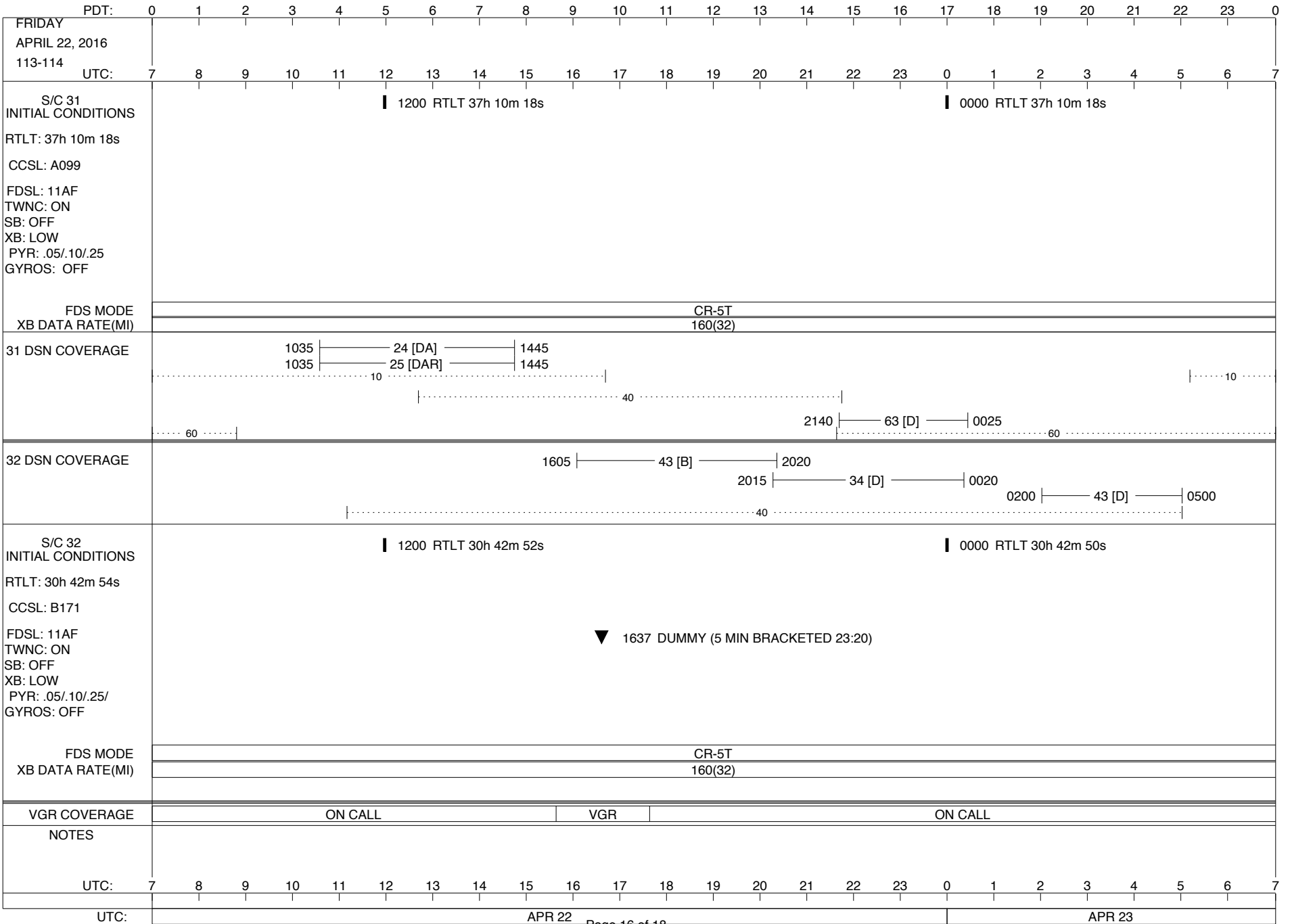
ISSUE DATE: 04/11/16 09:02



ISSUE DATE: 04/11/16 09:02



ISSUE DATE: 04/11/16 09:02



ISSUE DATE: 04/11/16 09:02

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
SATURDAY APRIL 23, 2016 114-115	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
S/C 31 INITIAL CONDITIONS RTLTL: 37h 10m 18s CCSL: A099 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 10m 18s												0000 RTLTL 37h 10m 18s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1040 |----- 15 [DAR] -----| 1440 1040 |----- 25 [DA] -----| 1440 .....10 .....| .....40 .....| .....10 ..... .....60 .....| .....2135 |----- 63 [D] -----| 0020 .....60 .....												.....2215 |----- 35 [DA] -----| 0345 .....0015 |----- 45 [DAR] -----| 0345											
32 DSN COVERAGE	1200 RTLTL 30h 42m 48s												0000 RTLTL 30h 42m 44s												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 42m 50s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	CR-5T												CR-5T												
FDS MODE	160(32)												160(32)												
XB DATA RATE(MI)																									
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0142 XB=2.8K(41) NOT RECOVERABLE																								
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
UTC:	APR 23												APR 24												

ISSUE DATE: 04/11/16 09:02

