

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: April 5, 2017

For the Period: 04/06/17 to 04/24/17 (17-096 – 17-114)

DSN OPSCHIEF	230-102	SCIENCE	FLIGHT TEAM	600-100
DSOT	230-102	CRS bryant@mail630.gsfc.nasa.gov LECP r.decker@jhuapl.edu MAG u2mha@lepvax.gsfc.nasa.gov PLS vgr@space.mit.edu PWS wsk@space.physics.uiowa.edu Leonard.F.Burlaga@nasa.gov Donald-Gurnett@uiowa.edu	Dodd, S. Hall, J. Howard, S. Ko, A. Ledeboer, W. Ludwig, R. Matsumoto, S. Medina, E. Peralta, F. Weeks, T. Yang, L.	

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

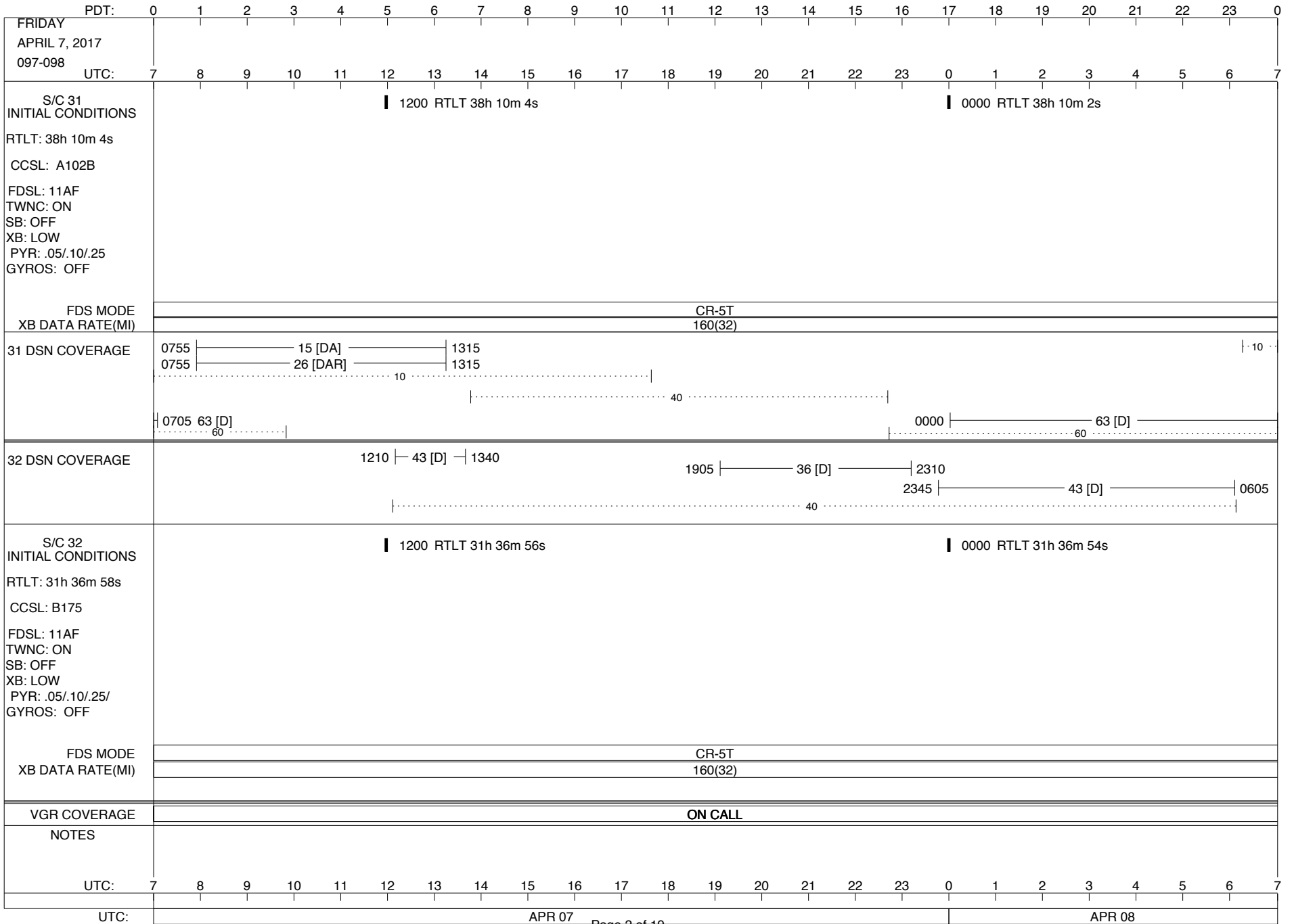
Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

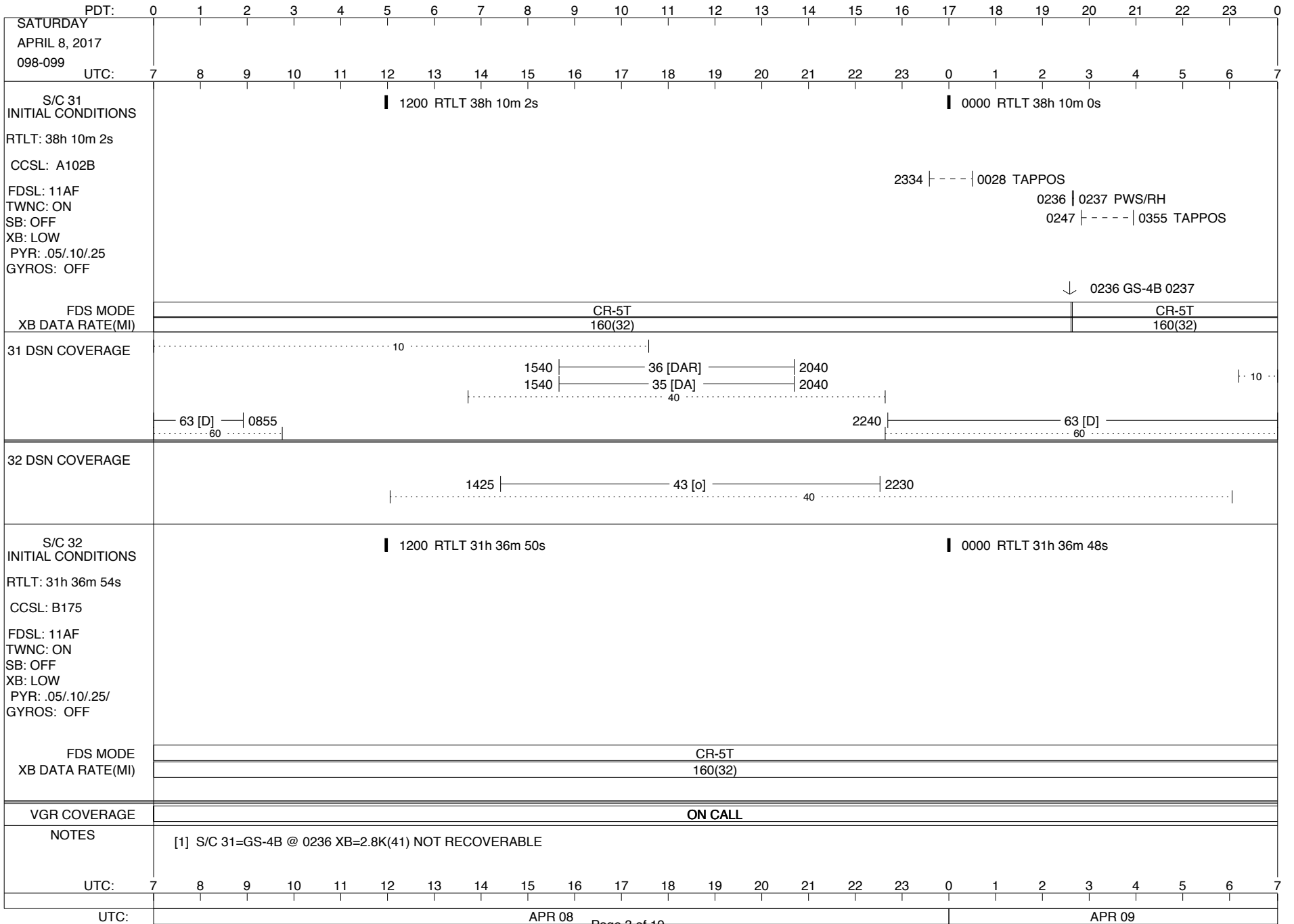
02/27/17

ISSUE DATE: 04/06/17 06:23

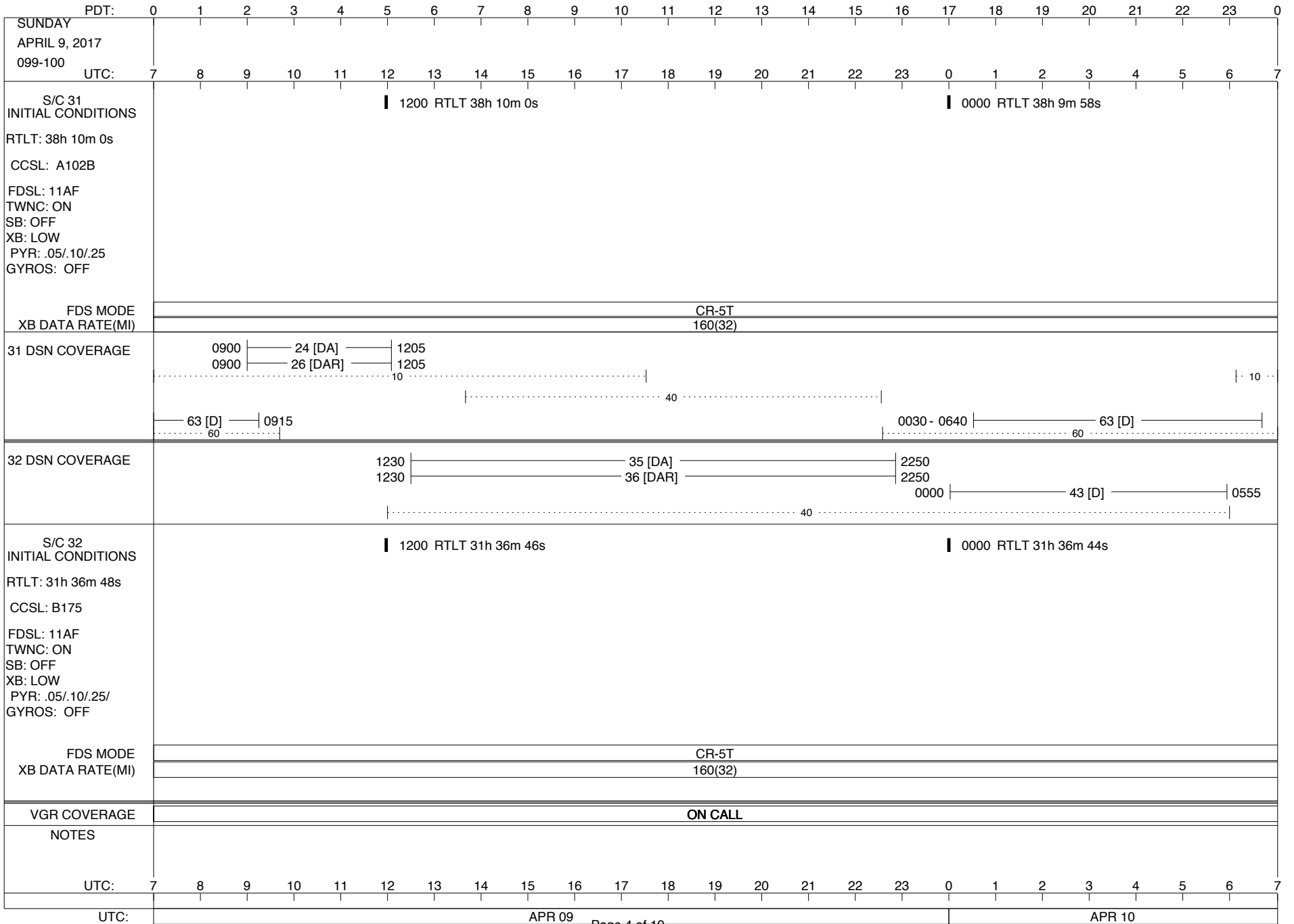
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THURSDAY APRIL 6, 2017 096-097																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 38h 10m 8s CCSL: A102B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 38h 10m 6s												█ 0000 RTLTL 38h 10m 4s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0800 ----- 15 [DA] ----- 1230 0800 ----- 24 [DAR] ----- 1230 ----- 10 ----- 60												2034 --- 2114 TAPPOS 2336 2337 PWS/RH 2348 ---- 0042 TAPPOS ↓ 2336 GS-4B 2337 2250 --- 63 [D] --- 0030 0030 --- 65 [DA] --- 0215 0030 --- 54 [DAR] --- 0215 ----- 60 0455 --- 63 [D] ----- 10												
32 DSN COVERAGE	1240 ----- 34 [DA] ----- 2120 1240 ----- 35 [DAR] ----- 2215 ----- 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 31h 37m 4s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 31h 37m 2s												█ 0000 RTLTL 31h 36m 58s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 2336 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 06												APR 07												

ISSUE DATE: 04/06/17 06:23

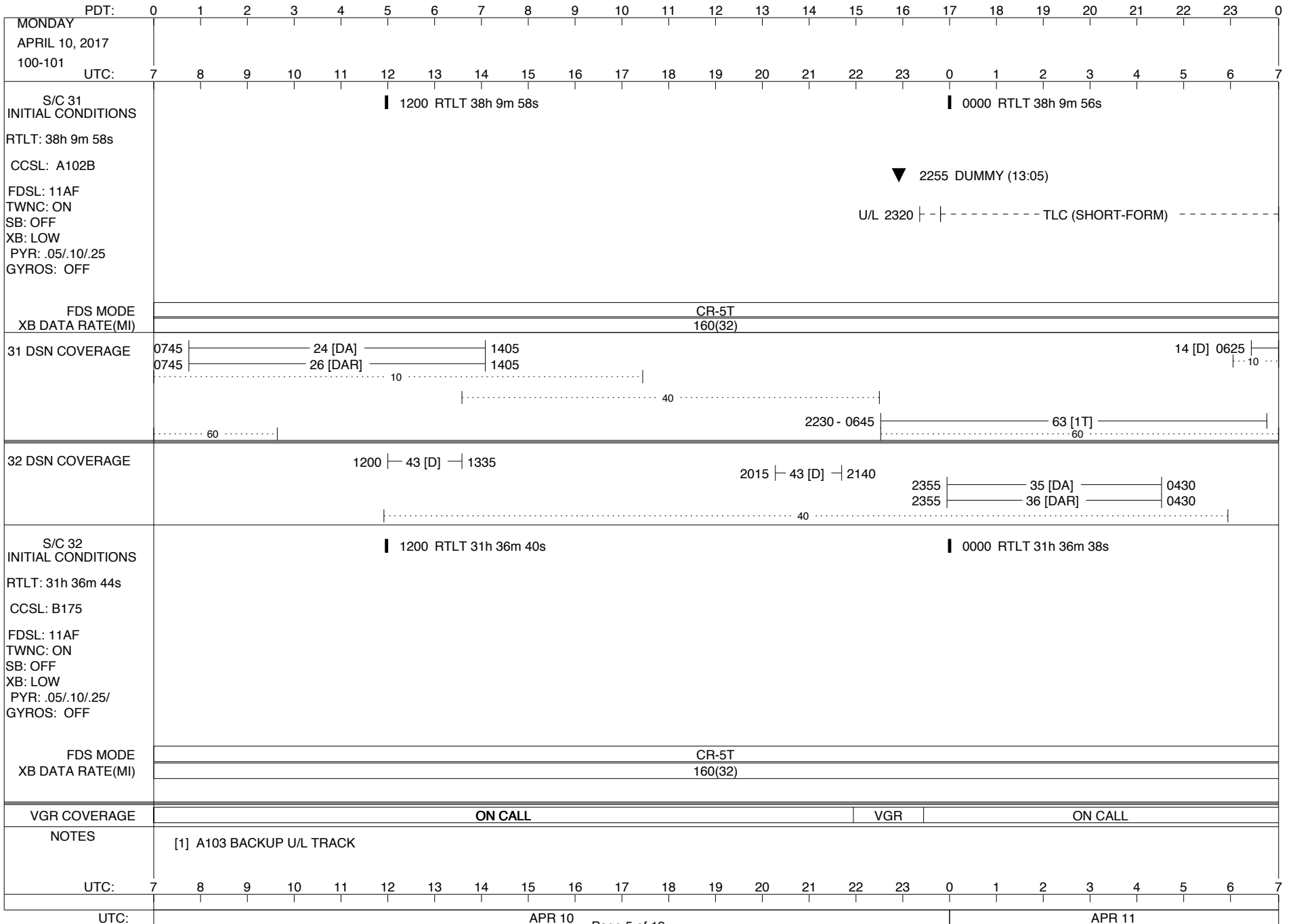




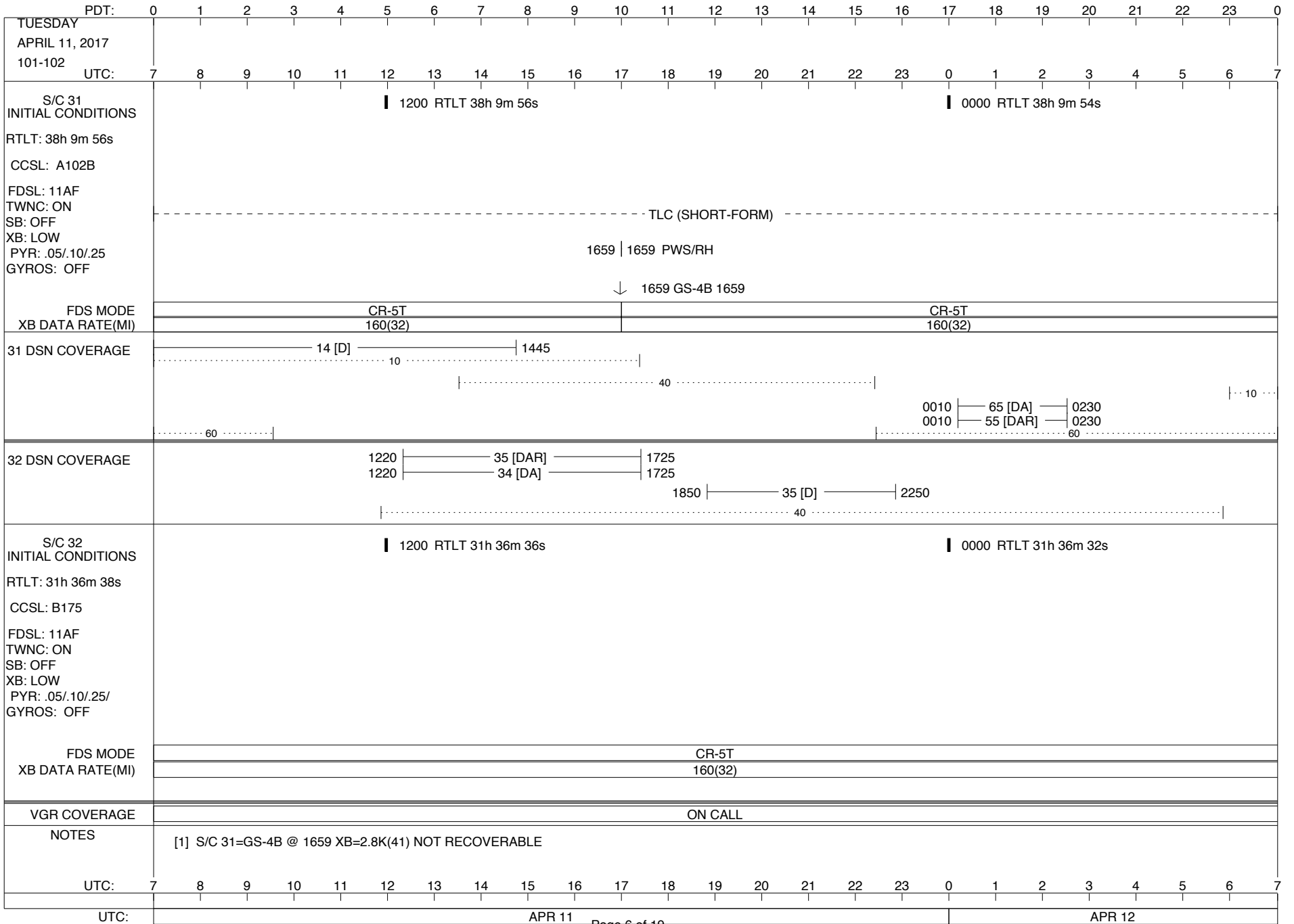
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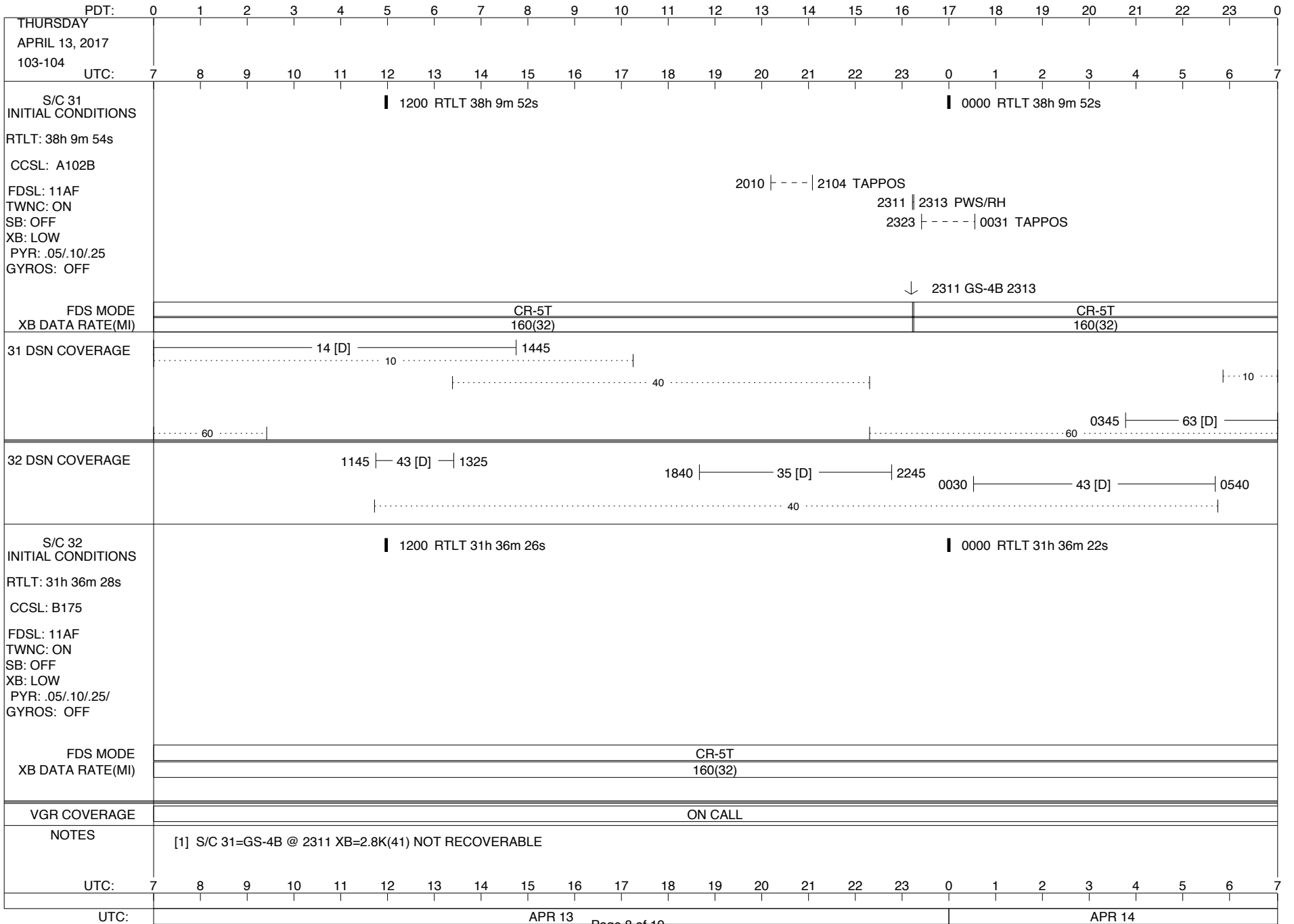
ISSUE DATE: 04/06/17 06:23



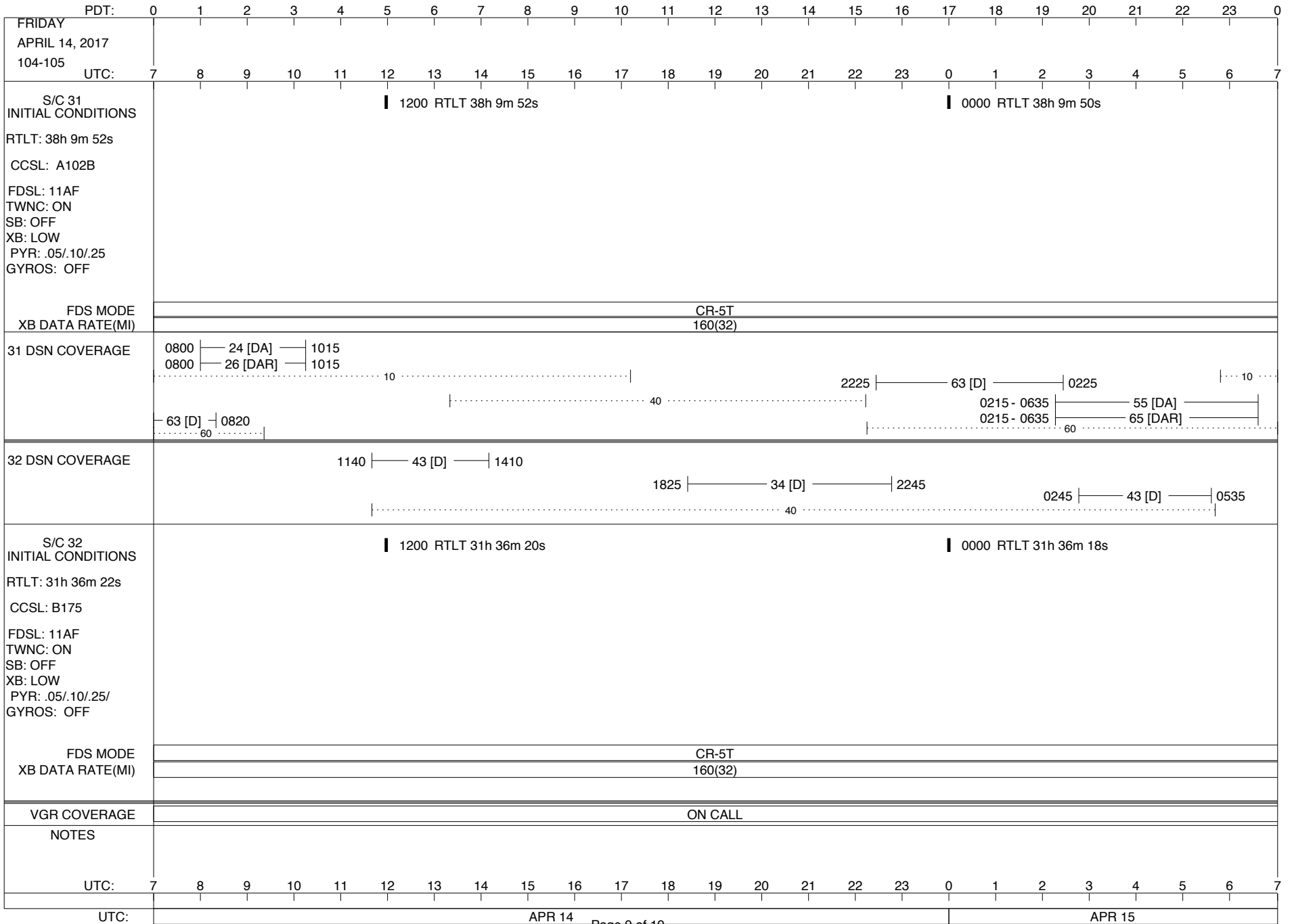
ISSUE DATE: 04/06/17 06:23

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 12, 2017 102-103																									
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 9m 54s CCSL: A102B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 9m 54s												0000 RTLT 38h 9m 54s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	24 [DA] 0735 - 1005 26 [DAR] 0735 - 1005 1005 14 [D] 1715 10 40 60												0600 14 [D] 10 0005 65 [DA] 0600 0005 55 [DAR] 0600 60												
32 DSN COVERAGE	1150 43 [D] 1420												2015 43 [B] 0005 40												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 36m 32s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 36m 30s												0000 RTLT 31h 36m 28s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	▼ 2107 DUMMY (04:44)																								
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												Page 7 of 19						APR 13						

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ISSUE DATE: 04/06/17 06:23



ISSUE DATE: 04/06/17 06:23

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 15, 2017
105-106 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: 38h 9m 50s
CCSL: A102B
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 38h 9m 50s
0000 RTLTL 38h 9m 50s

2310 |-----| 0018 TAPPOS
0211 | 0213 PWS/RH
0223 | TAPPOS | 0345

↓ 0211 GS-4B 0213

FDS MODE CR-5T CR-5T
XB DATA RATE(MI) 160(32) 160(32)

31 DSN COVERAGE
24 [DAR] 0725 - 1205
26 [DA] 0725 - 1205
2215 | 63 [D] | 0000
0000 - 0635 65 [DA]
0000 - 0635 55 [DAR]
60 10 40 60

32 DSN COVERAGE
1540 | 43 [D] | 0535
40

S/C 32
INITIAL CONDITIONS
RTLTL: 31h 36m 18s
CCSL: B175
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLTL 31h 36m 14s
0000 RTLTL 31h 36m 12s

FDS MODE CR-5T
XB DATA RATE(MI) 160(32)

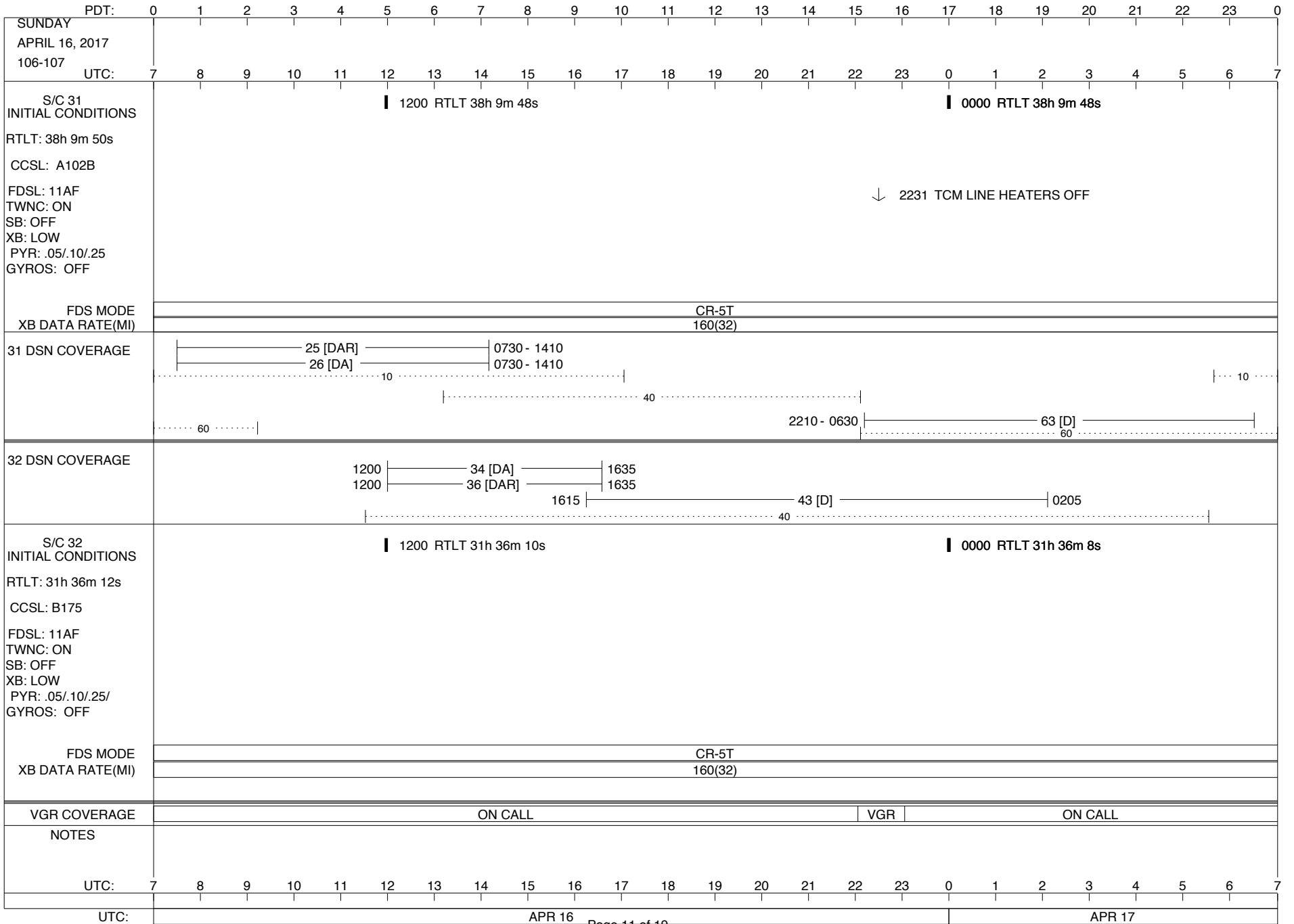
VGR COVERAGE ON CALL

NOTES
[1] S/C 31=GS-4B @ 0211 XB=2.8K(41) NOT RECOVERABLE

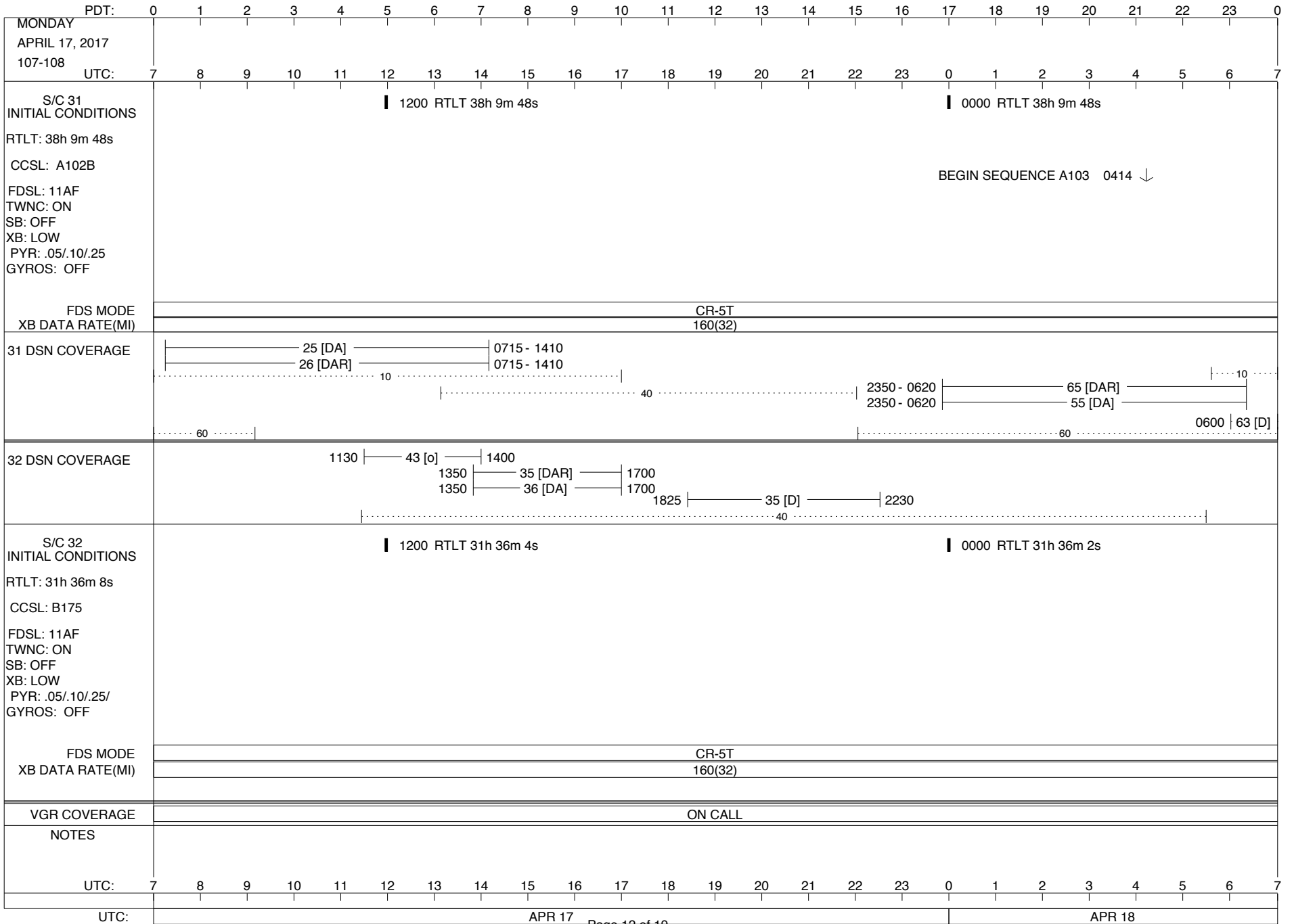
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UTC: APR 15 Page 10 of 19 APR 16

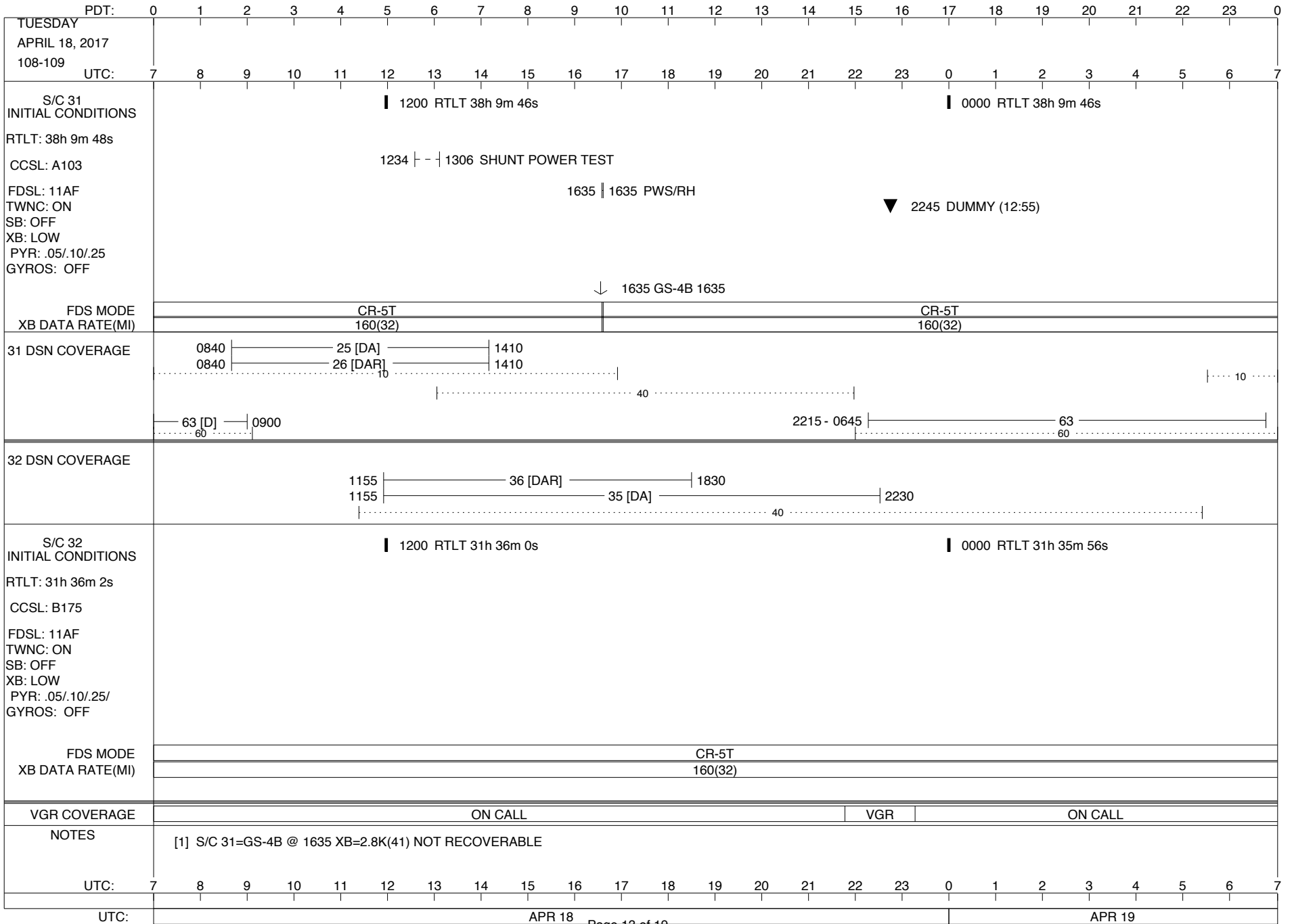
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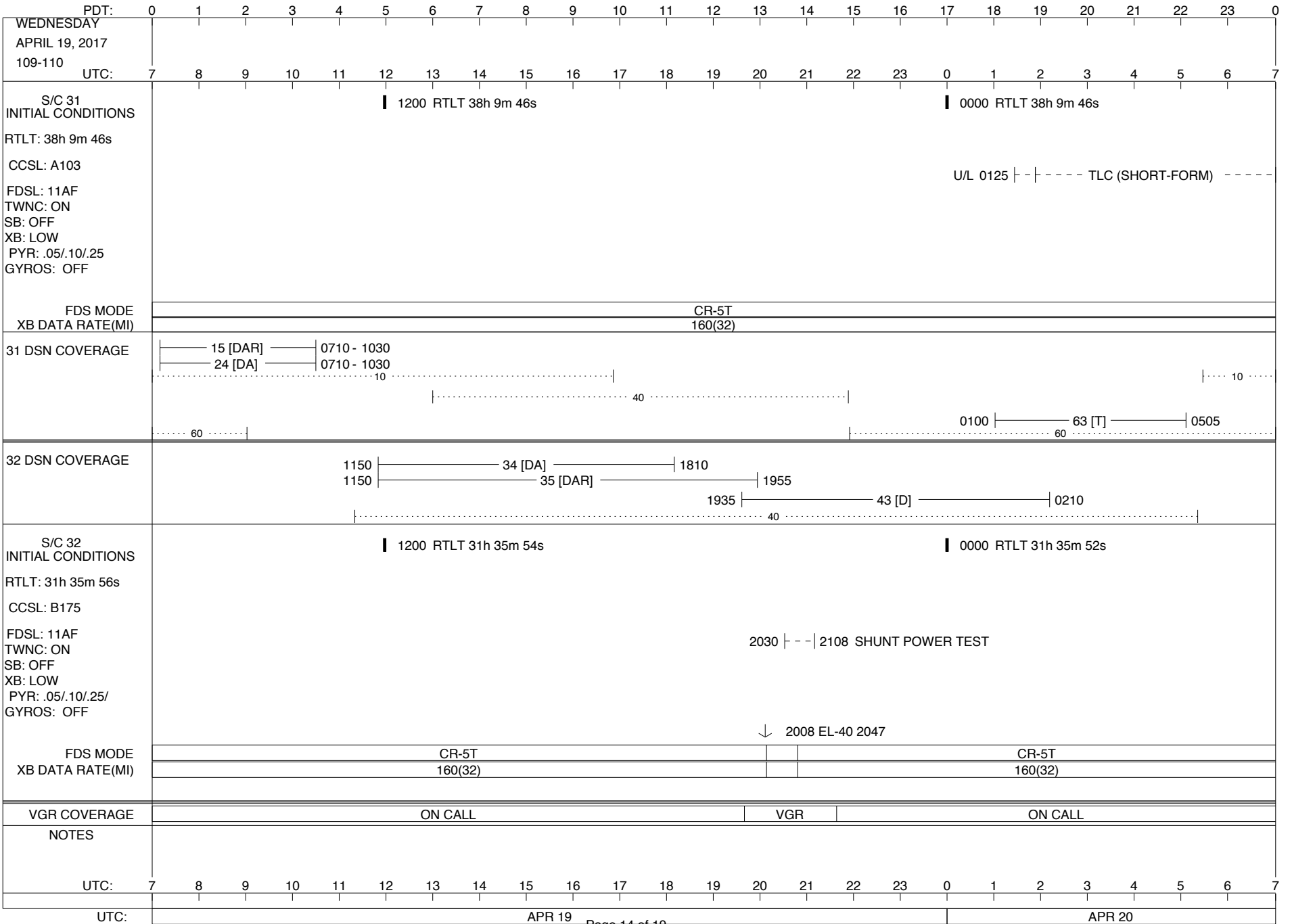
ISSUE DATE: 04/06/17 06:23



ISSUE DATE: 04/06/17 06:23

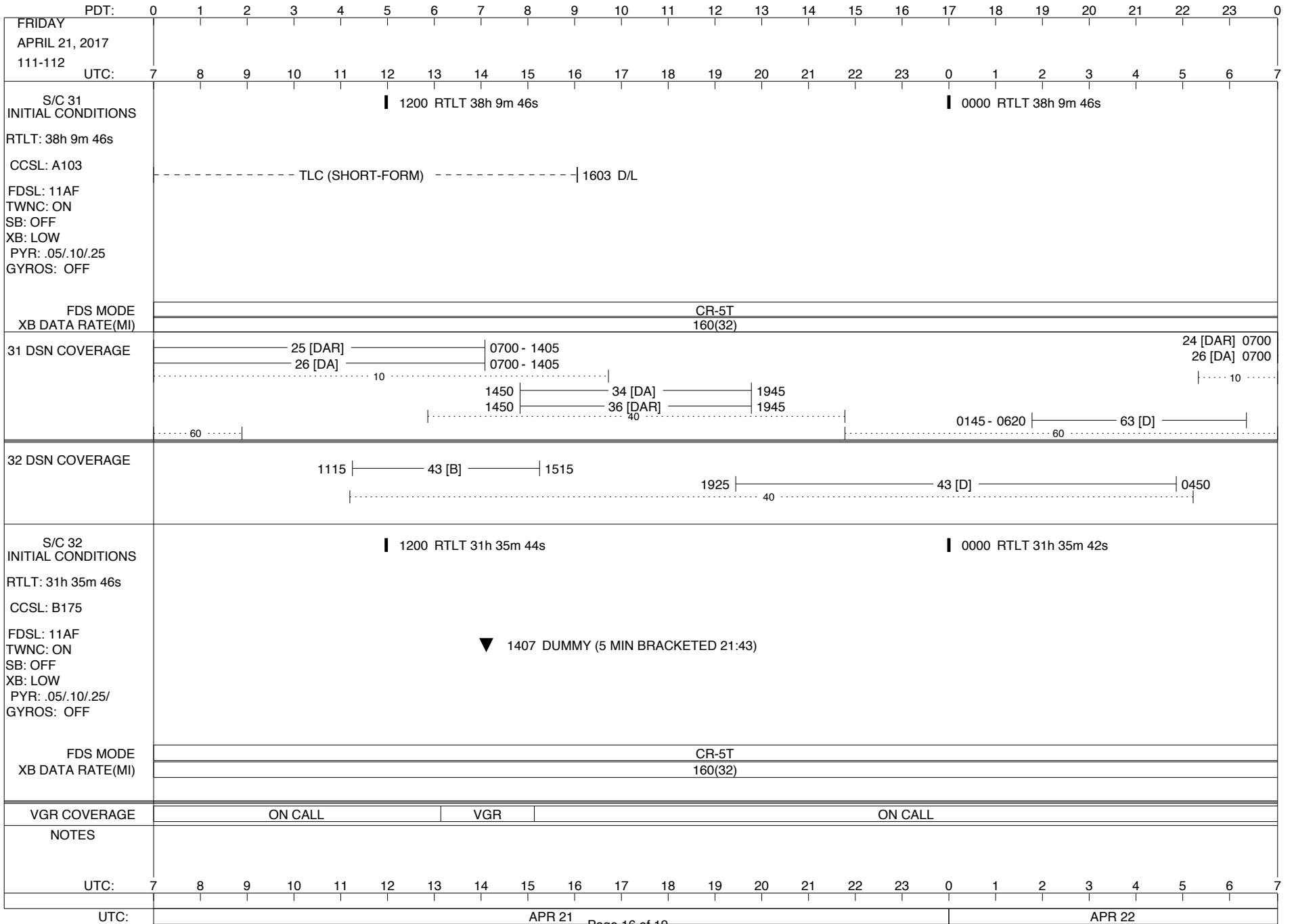


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ISSUE DATE: 04/06/17 06:23

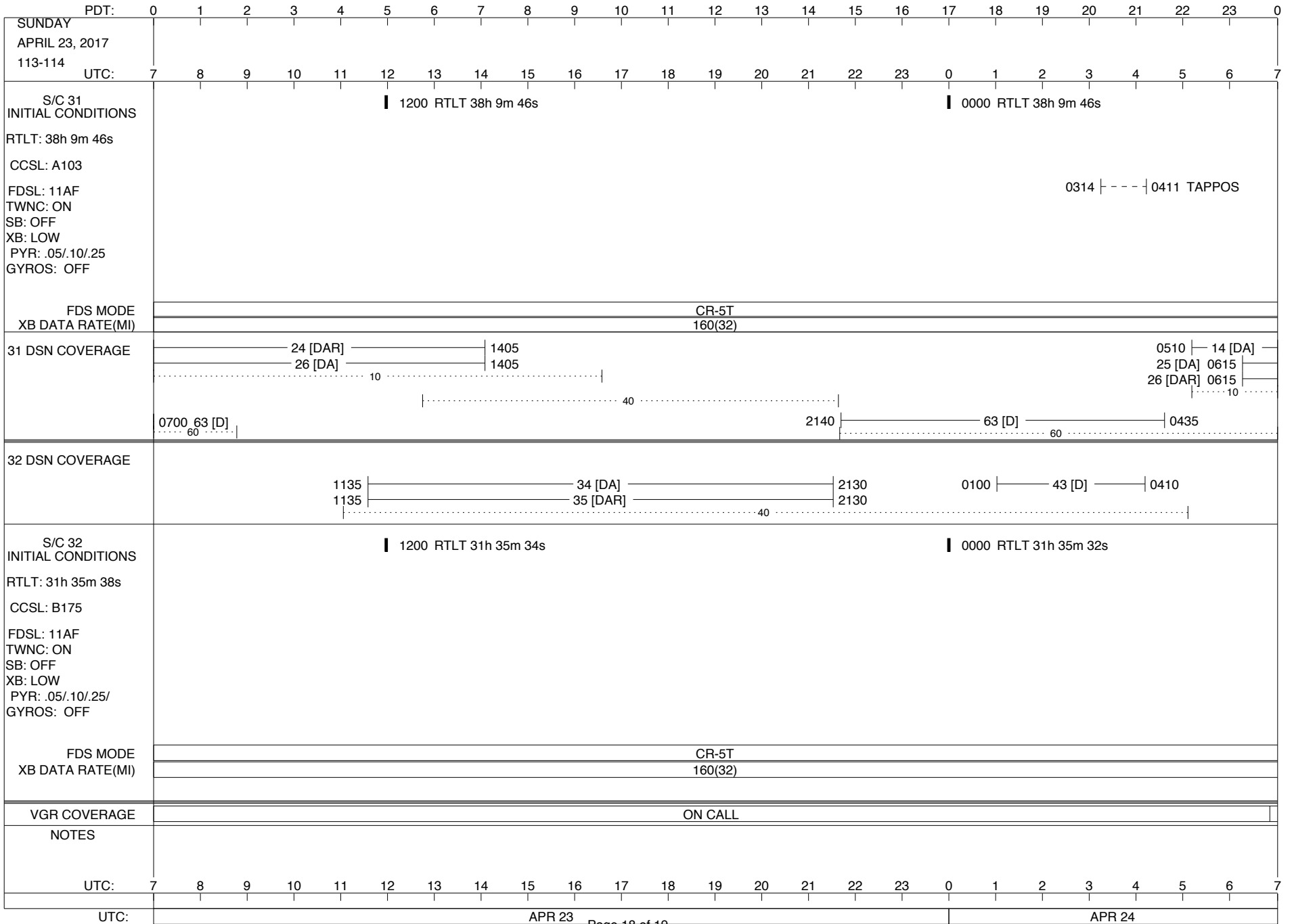
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THURSDAY APRIL 20, 2017 110-111																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLTL: 38h 9m 46s CCSL: A103 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 9m 46s												0000 RTLT 38h 9m 46s															
----- TLC (SHORT-FORM) -----																												
														1946 ----- 2054 TAPPOS 2248 2249 PWS/RH 2259 TAPPOS 0021														
														↓ 2248 GS-4B 2249														
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	24 [DAR] ----- 0705 - 1025 25 [DA] ----- 0705 - 1025 10 40 60												25 [DAR] 0700 26 [DA] 0700 10 2340 ----- 55 [DA] ----- 0500 2340 ----- 65 [DAR] ----- 0500 60 0500 - 0645 ----- 63 [D] -----															
32 DSN COVERAGE	1145 ----- 36 [DAR] ----- 1540 1145 ----- 34 [DA] ----- 1540 40 1815 ----- 34 [D] ----- 2215 40																											
S/C 32 INITIAL CONDITIONS RTLTL: 31h 35m 52s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 35m 50s												0000 RTLT 31h 35m 46s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 2248 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 20														APR 21													



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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 22, 2017 112-113	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: 38h 9m 46s CCSL: A103 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 9m 46s												0000 RTLT 38h 9m 46s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	24 [DAR] 0700 - 1205 26 [DA] 0700 - 1205 1205 14 [D] 1635 1635 35 [DAR] 1940 1635 40 36 [DA] 1940 2145 - 0700 63 [D]												24 [DAR] 0655 26 [DA] 0655 10												
32 DSN COVERAGE	1145 34 [DA] 1505 1145 35 [DAR] 1505 1505 43 [D] 0310												40												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 35m 42s CCSL: B175 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 35m 40s												0000 RTLT 31h 35m 38s												
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 @ 0148 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 22												APR 23												

ISSUE DATE: 04/06/17 06:23



ISSUE DATE: 04/06/17 06:23

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 24, 2017 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		█ 1200 RTLT 38h 9m 46s														█ 0000 RTLT 38h 9m 46s																											
RTLT: 38h 9m 46s		↓ 0720 BAY 1 HTR OFF																																									
CCSL: A103		↓ 0724 X/B HI POWER																																									
FDSL: 11AF		↓ 0736 YAW=.05																																									
TWNC: ON		0747 ----- PLAYBACK -----														1423																											
SB: OFF		↓ 1432 YAW=.10																																									
XB: LOW		↓ 1432 X/B LOW POWER																																									
PYR: .05/.10/.25		↓ 1436 BAY 1 HTR ON																																									
GYROS: OFF		↓ 0747														↓ 1423																											
FDS MODE		PB-14														CR-5T																											
XB DATA RATE(MI)		1.4K(39)														160(32)																											
31 DSN COVERAGE		<table border="0"> <tr> <td>14 [DA]</td><td>1445</td> </tr> <tr> <td>25 [DA]</td><td>1445</td> </tr> <tr> <td>26 [DAR]</td><td>1445</td> </tr> <tr> <td colspan="2">----- -----</td> </tr> <tr> <td>10</td><td>40</td> </tr> <tr> <td colspan="2">----- -----</td> </tr> <tr> <td>60</td><td></td> </tr> </table>																												14 [DA]	1445	25 [DA]	1445	26 [DAR]	1445	----- -----		10	40	----- -----		60	
14 [DA]	1445																																										
25 [DA]	1445																																										
26 [DAR]	1445																																										
----- -----																																											
10	40																																										
----- -----																																											
60																																											
32 DSN COVERAGE		<table border="0"> <tr> <td>1130</td><td>1800</td> </tr> <tr> <td>1130</td><td>2130</td> </tr> <tr> <td colspan="2">----- -----</td> </tr> <tr> <td>34 [DA]</td><td></td> </tr> <tr> <td colspan="2">----- -----</td> </tr> <tr> <td>36 [DAR]</td><td></td> </tr> </table>																												1130	1800	1130	2130	----- -----		34 [DA]		----- -----		36 [DAR]			
1130	1800																																										
1130	2130																																										
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34 [DA]																																											
----- -----																																											
36 [DAR]																																											
S/C 32 INITIAL CONDITIONS		█ 1200 RTLT 31h 35m 30s																																									
RTLT: 31h 35m 32s																																											
CCSL: B175																																											
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		VGR														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 24														APR 25																											