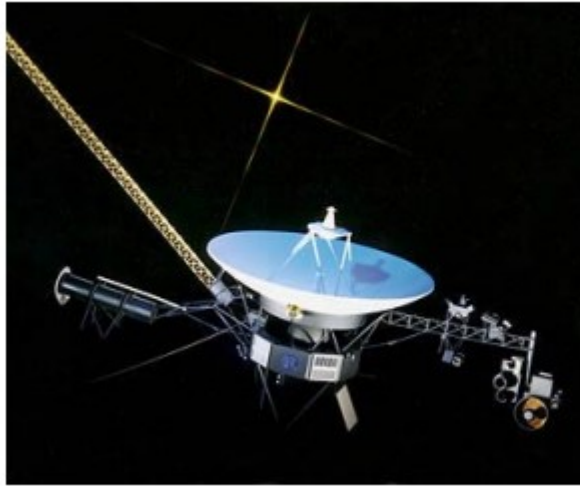


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: February 2, 2021

For the Period: 02/04/21 to 02/22/21 (21/035 – 21/053)



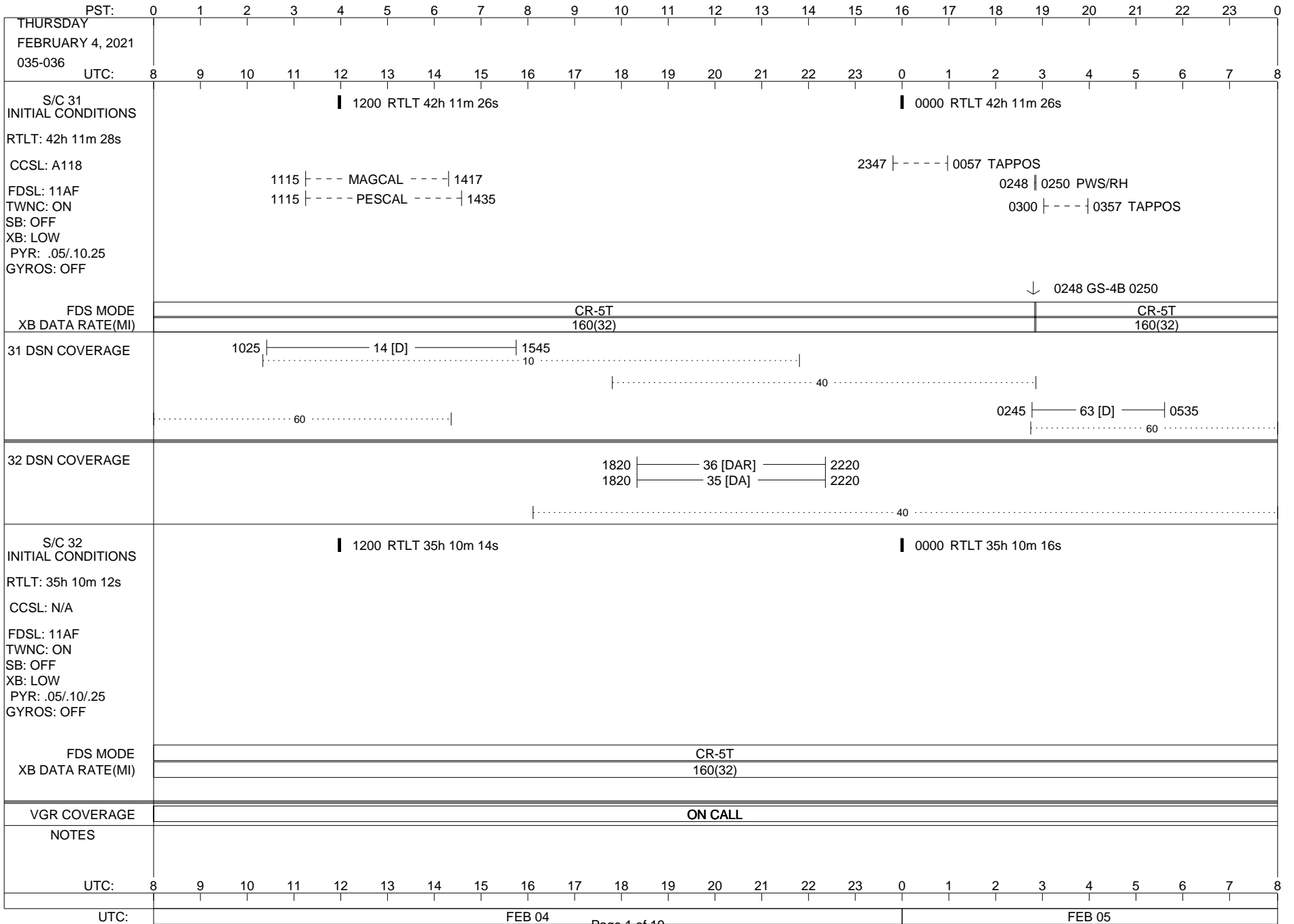
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

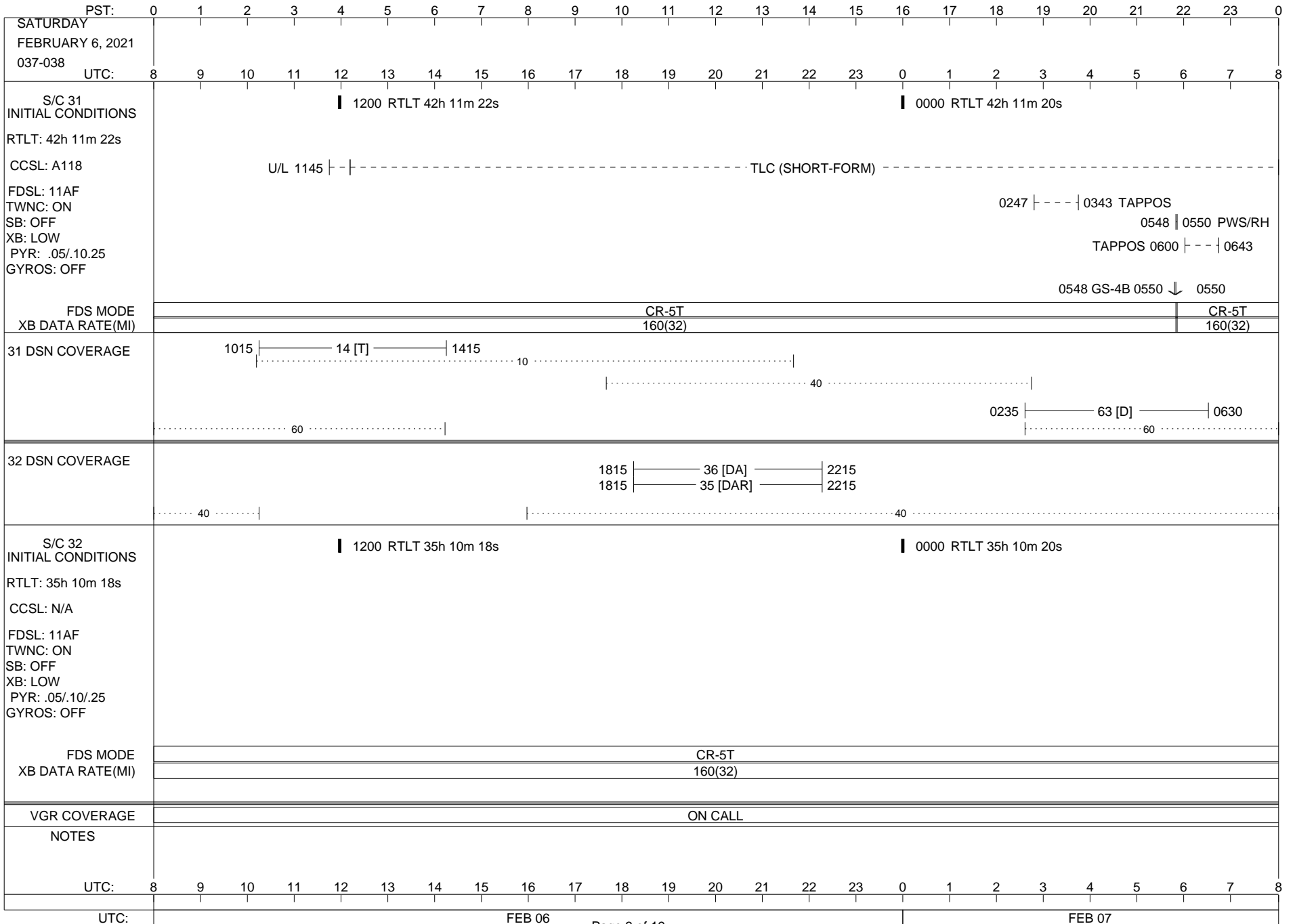
LEGEND:

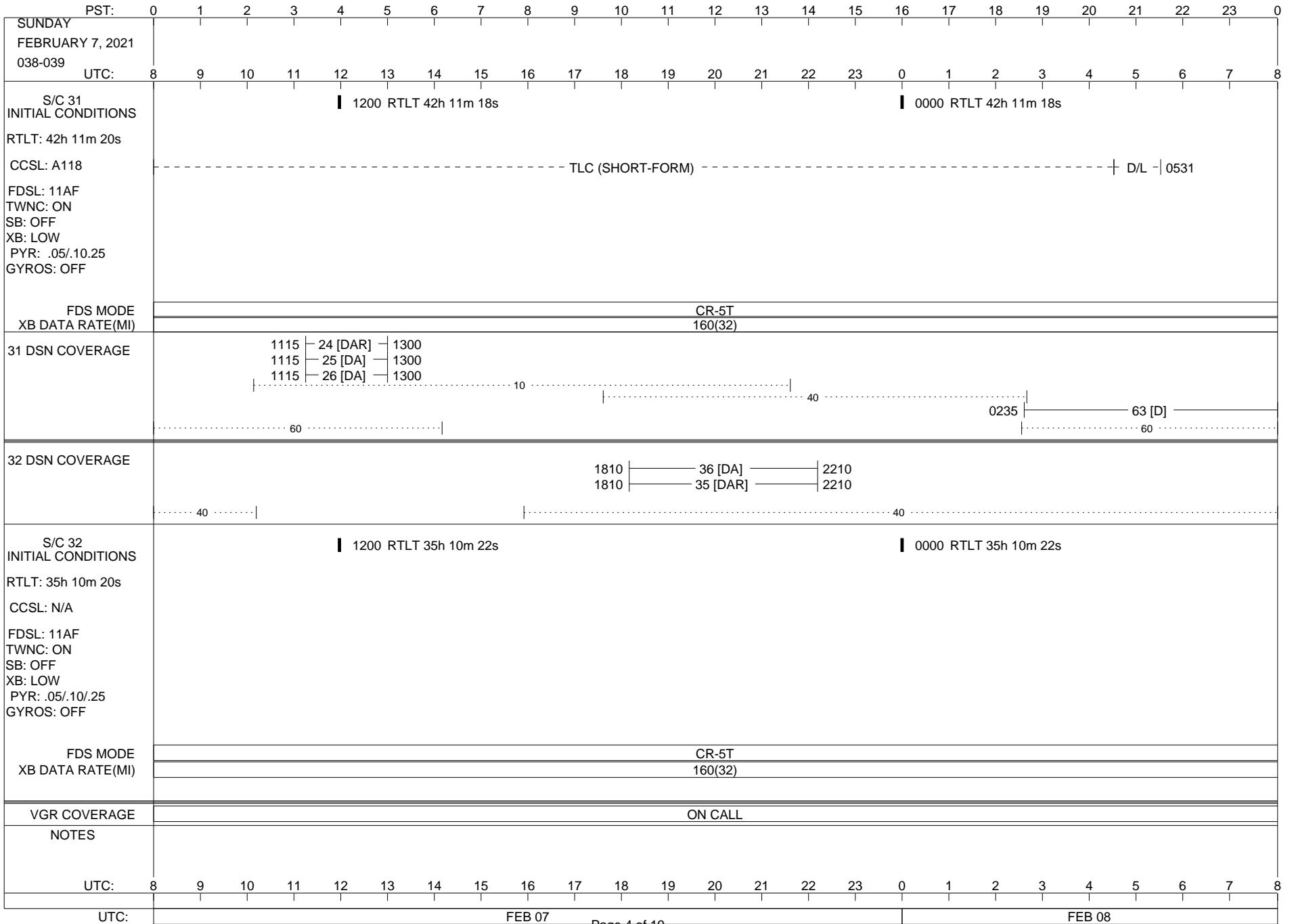
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

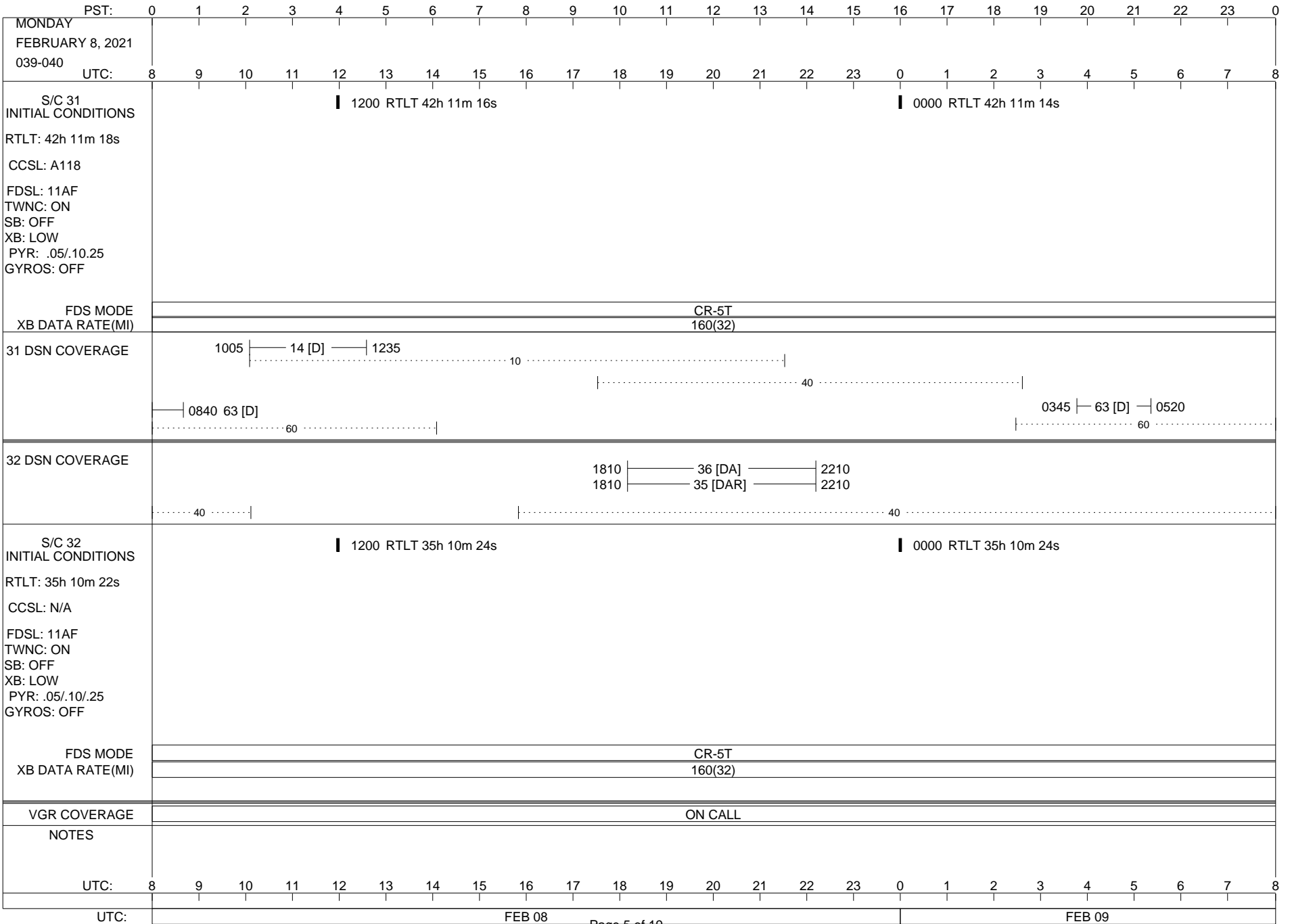
ISSUE DATE: 02/04/21 13:57







ISSUE DATE: 02/04/21 13:57



ISSUE DATE: 02/04/21 13:57

PST: 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
FEBRUARY 9, 2021
040-041

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

S/C 31
INITIAL CONDITIONS
RTLT: 42h 11m 14s
CCSL: A118
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10.25
GYROS: OFF

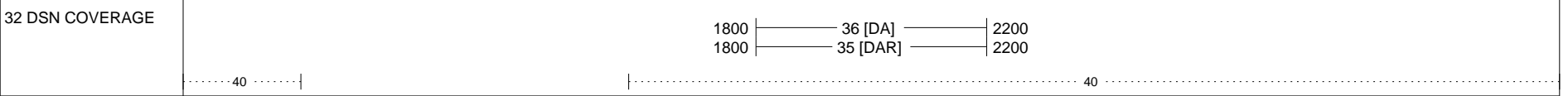
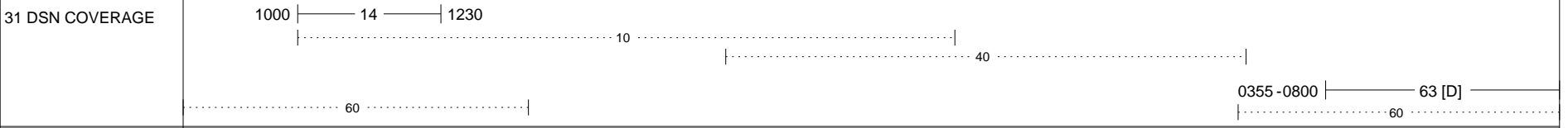
1200 RTLT 42h 11m 12s 0000 RTLT 42h 11m 12s

▼ 1220 CCS DIAG (06:31)

2011 | 2012 PWS/RH

↓ 2011 GS-4B 2012

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



S/C 32
INITIAL CONDITIONS
RTLT: 35h 10m 24s
CCSL: N/A
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10.25
GYROS: OFF

1200 RTLT 35h 10m 26s 0000 RTLT 35h 10m 26s

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

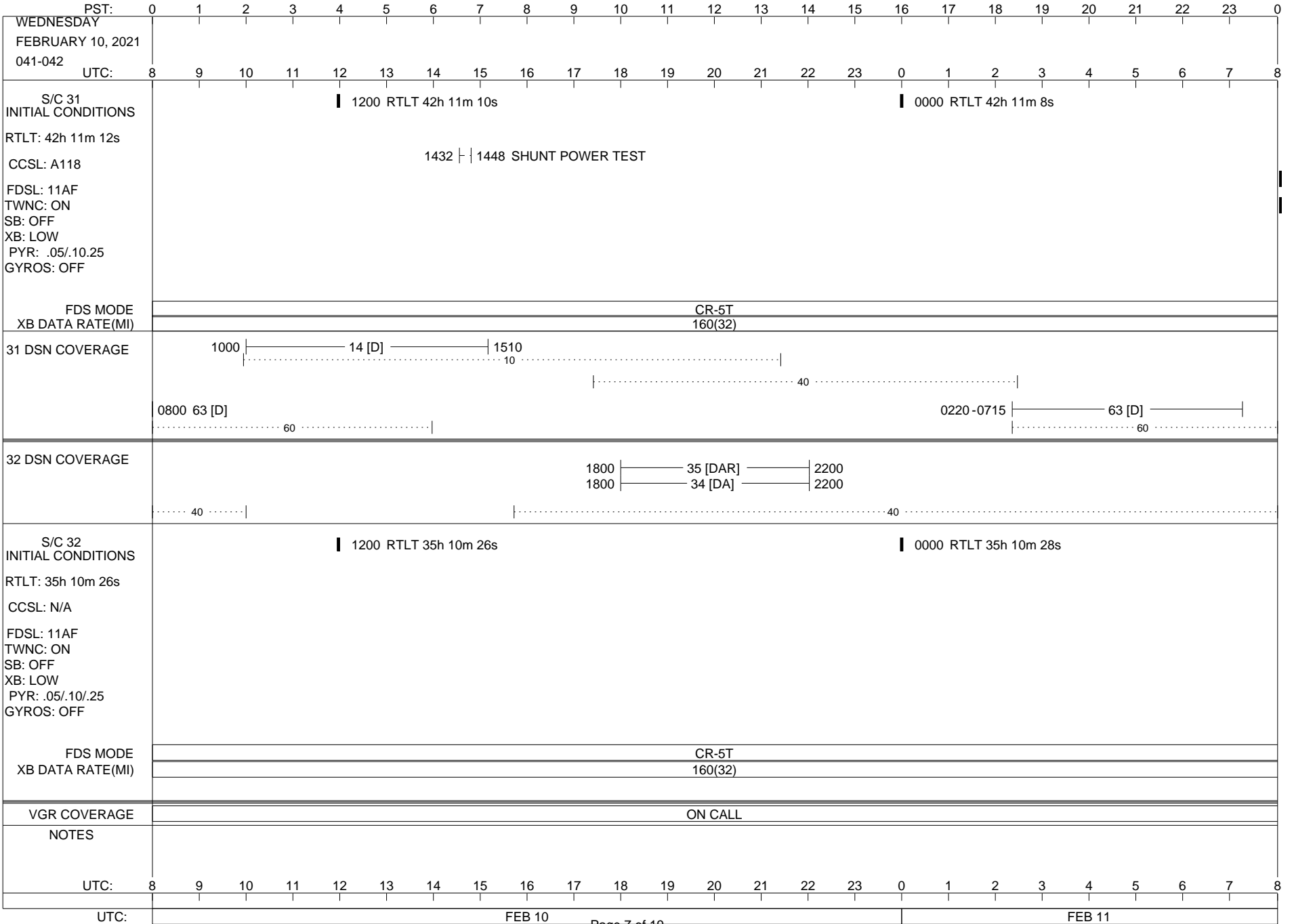
VGR COVERAGE ON CALL VGR ON CALL

NOTES

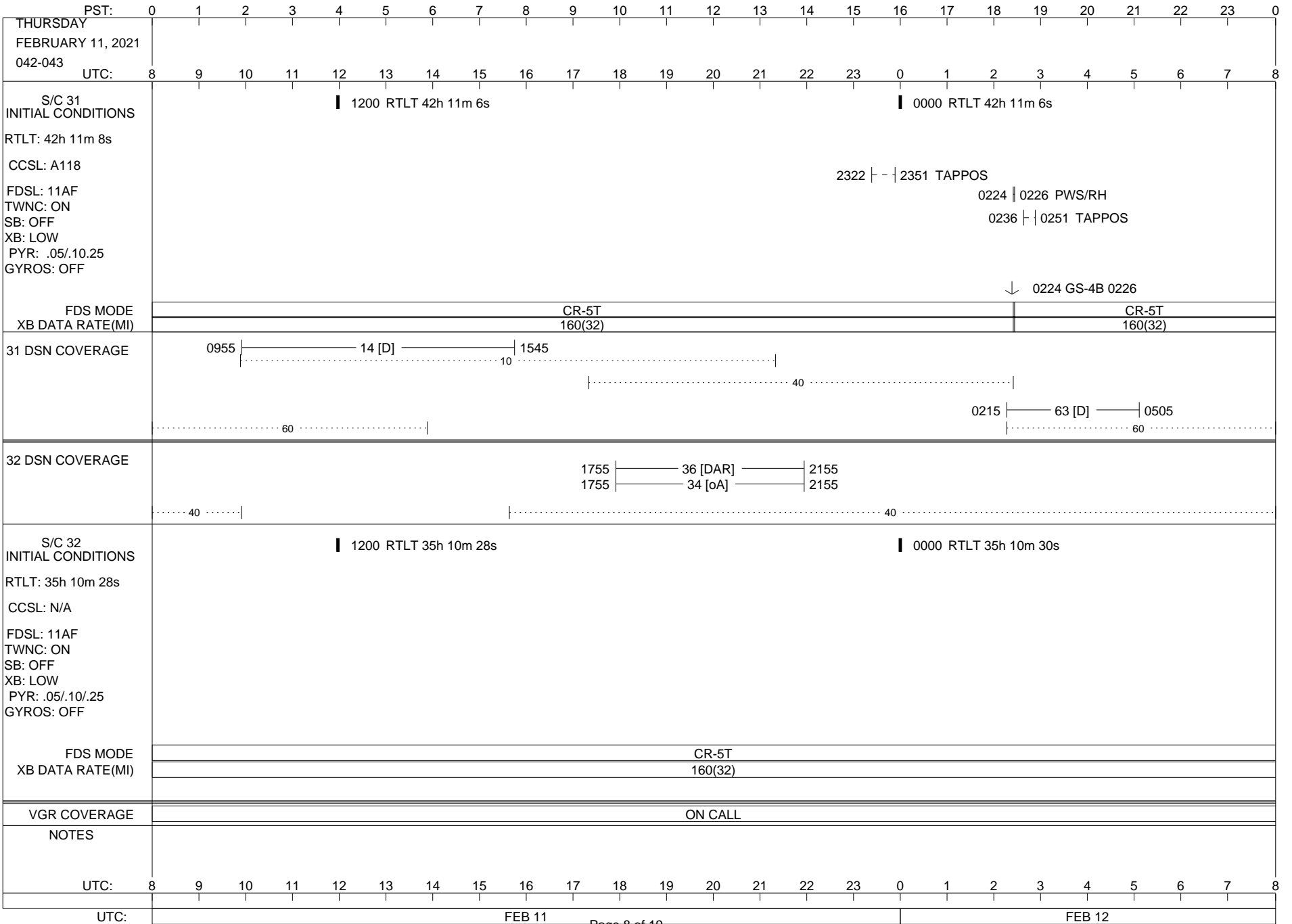
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UTC: FEB 09 FEB 10

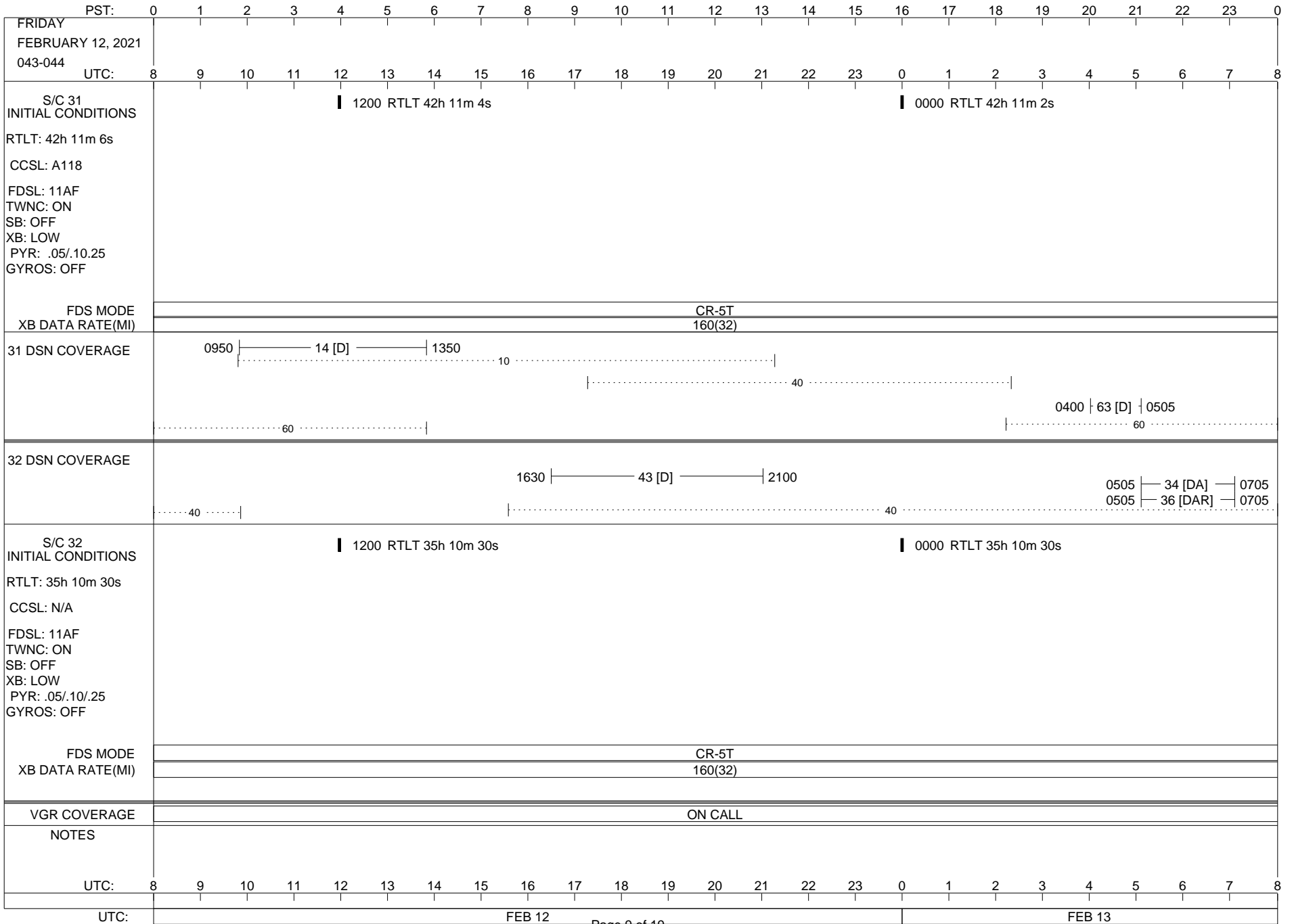
ISSUE DATE: 02/04/21 13:57



ISSUE DATE: 02/04/21 13:57



ISSUE DATE: 02/04/21 13:57



ISSUE DATE: 02/04/21 13:57

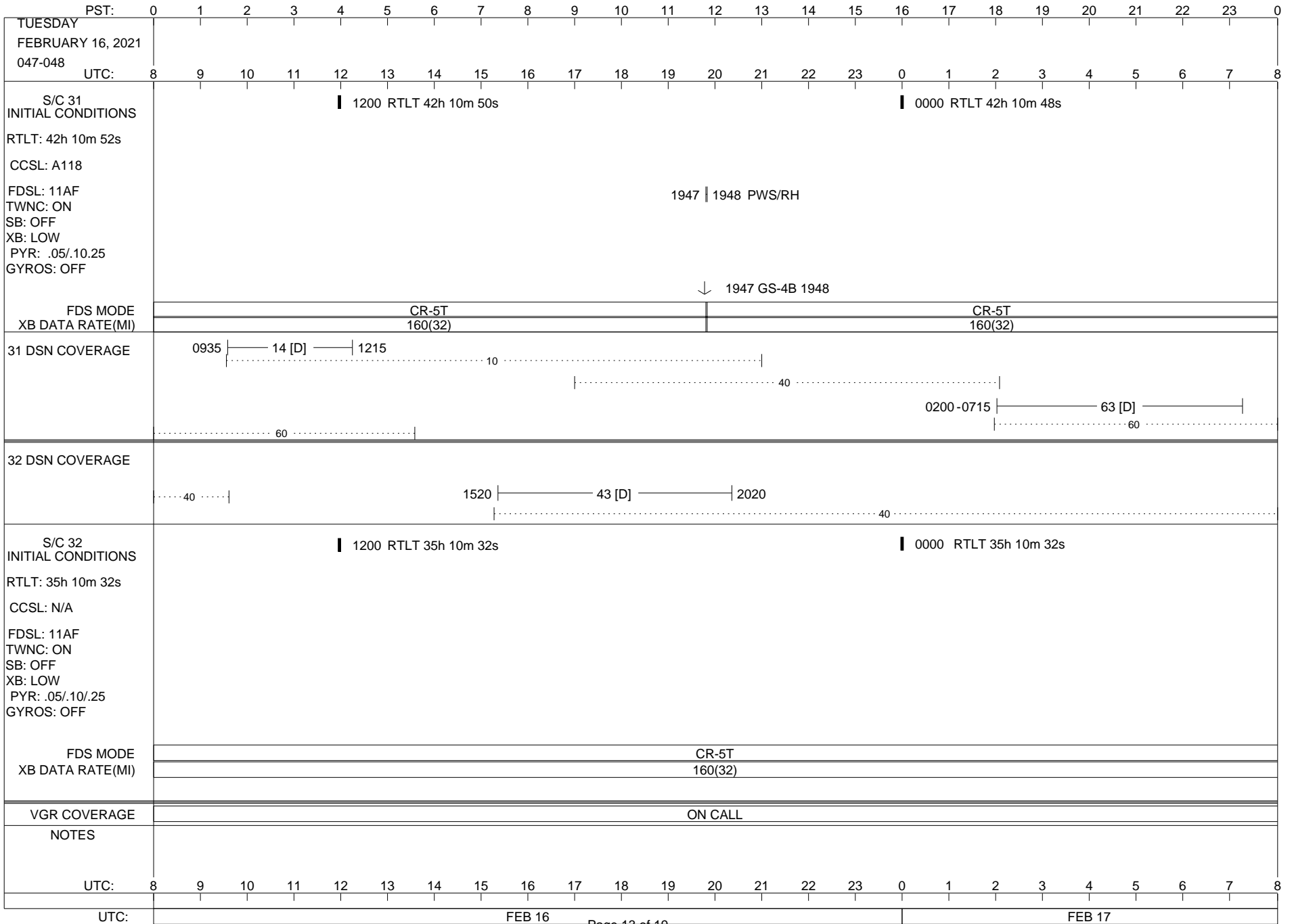
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SATURDAY FEBRUARY 13, 2021 044-045	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 42h 11m 2s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	1200 RTLTL 42h 11m 0s												0000 RTLTL 42h 10m 58s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	1000 ----- 14 [T] ----- 1240 ----- 10 ----- 40 ----- ----- 60 -----												0222 ----- 0238 TAPPOS 0524 0526 PWS/RH 0536 0537 TAPPOS 0524 GS-4B 0526 ↓ 0210 ----- 63 [D] ----- 0500 ----- 60 -----															
32 DSN COVERAGE	1545 ----- 43 [H1] ----- 1945 ----- 40 -----												0410 ----- 34 [DAR] ----- 0610 0410 ----- 36 [DA] ----- 0610 ----- 40 -----															
S/C 32 INITIAL CONDITIONS RTLTL: 35h 10m 30s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	1200 RTLTL 35h 10m 30s												0000 RTLTL 35h 10m 32s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL												VGR				ON CALL											
NOTES	[1] DSS-43 HP DRV ON >= 16:55																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
UTC:	FEB 13												FEB 14															

ISSUE DATE: 02/04/21 13:57

PST:	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 FEBRUARY 14, 2021 045-046																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 42h 10m 58s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	1200 RTLTL 42h 10m 56s												0000 RTLTL 42h 10m 54s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE	0950 ----- 14 [D] ----- 1210 ----- 10 ----- ----- 40 ----- ----- 60 ----- 0205 ----- 63 [D] ----- 0455 ----- 60 -----																											
32 DSN COVERAGE	1525 ----- 43 [D] ----- 2040 ----- 40 ----- ----- 40 ----- 0255 ----- 34 [DAR] ----- 0655 0255 ----- 35 [DA] ----- 0655																											
S/C 32 INITIAL CONDITIONS RTLTL: 35h 10m 32s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	1200 RTLTL 35h 10m 32s												0000 RTLTL 35h 10m 32s															
FDS MODE	CR-5T																EL-40				CR-5T							
XB DATA RATE(MI)	160(32)																40(30)				160(32)							
VGR COVERAGE	ON CALL																				VGR							
NOTES	[1] S/C 31=EL-40 @ 0500 XB=40(30) [2] S/C 32=CR-5T @ 0632 XB=160(32)																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
UTC:	FEB 14														FEB 15													

ISSUE DATE: 02/04/21 13:57

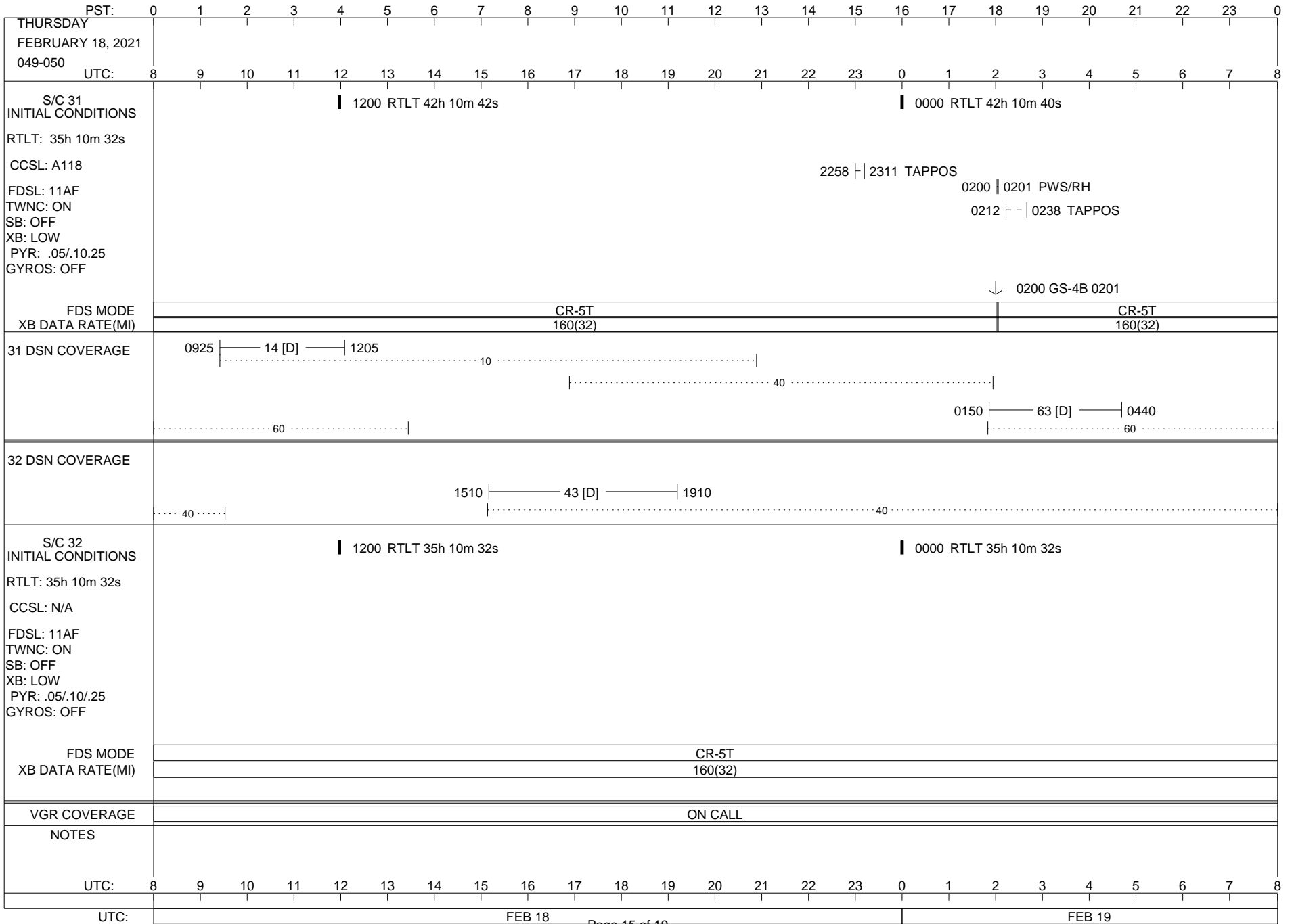
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MONDAY FEBRUARY 15, 2021 046-047																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 42h 10m 54s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	█ 1200 RTLT 42h 10m 54s												█ 0000 RTLT 42h 10m 52s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 35h 10m 32s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	█ 1200 RTLT 35h 10m 32s												█ 0000 RTLT 35h 10m 32s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL																								
NOTES	JPL HOLIDAY!																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	FEB 15												FEB 16												



ISSUE DATE: 02/04/21 13:57

PST: 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 FEBRUARY 17, 2021 048-049	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
S/C 31 INITIAL CONDITIONS RTLT: 42h 10m 48s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	
FDS MODE CR-5T XB DATA RATE(MI) 160(32)	
31 DSN COVERAGE 0930 ----- 14 [D] ----- 1200 ----- 10 ----- ----- 40 ----- ----- 60 ----- 0155 ----- 63 [D] ----- 0555 ----- 60 -----	
32 DSN COVERAGE ----- 40 ----- 1520 ----- 43 [D] ----- 2015 ----- 40 -----	
S/C 32 INITIAL CONDITIONS RTLT: 35h 10m 32s CCSL: N/A 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
UTC: FEB 17 FEB 18	

ISSUE DATE: 02/04/21 13:57



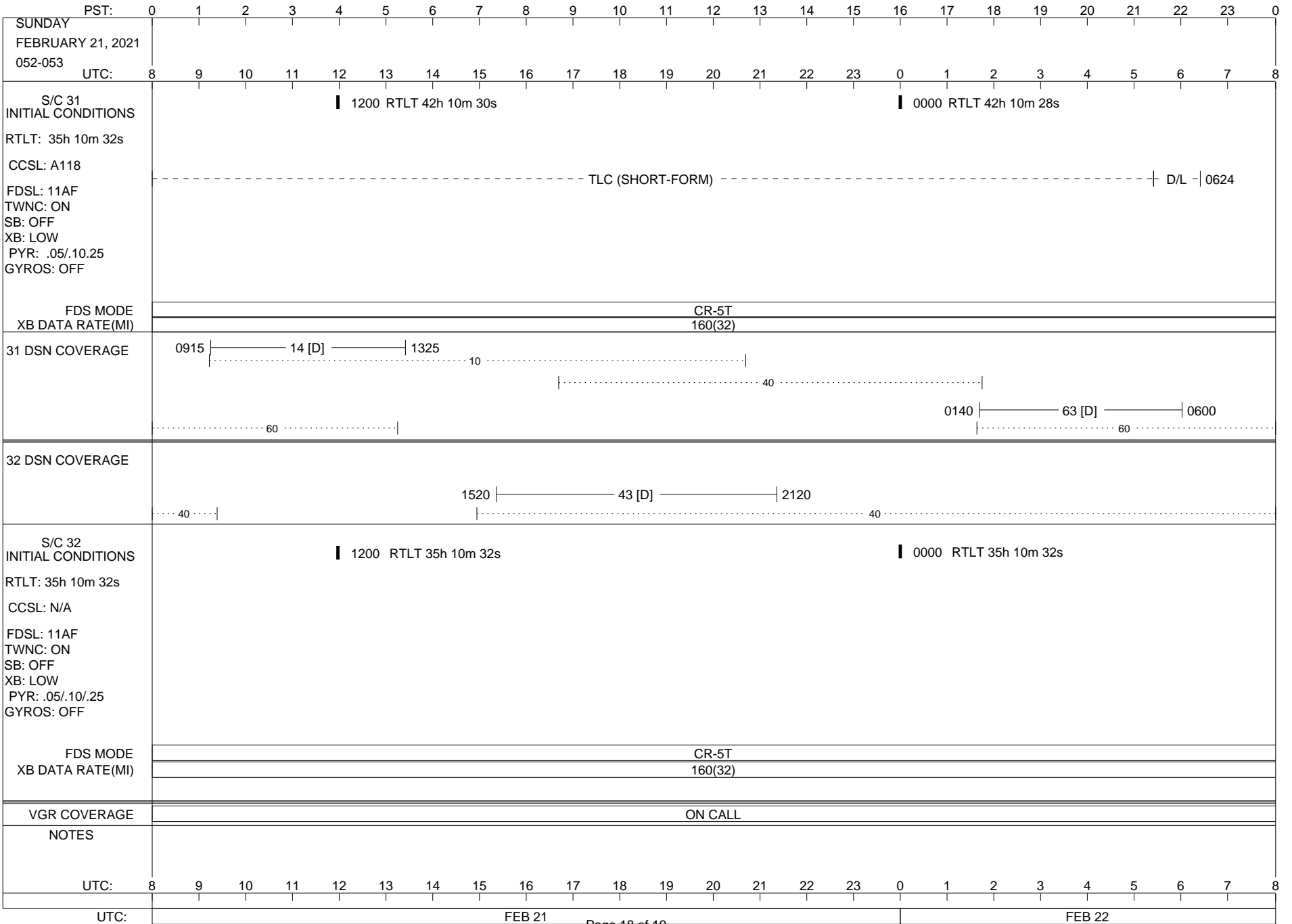
ISSUE DATE: 02/04/21 13:57

PST: 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	
FRIDAY FEBRUARY 19, 2021 050-051	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
S/C 31 INITIAL CONDITIONS RTLT: 42h 10m 40s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1200 RTLT 42h 10m 38s</p> </div> <div style="width: 45%;"> <p>0000 RTLT 42h 10m 36s</p> </div> </div>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>0925 ----- 14 [D] ----- 1325</p> <p>..... 10 ----- 40 ----- </p> <p>..... 60 ----- 63 [D] ----- 0435</p> <p>..... 60</p>
32 DSN COVERAGE	<p>..... 40 ----- 43 [H1B] ----- 2055</p> <p>..... 40</p>
S/C 32 INITIAL CONDITIONS RTLT: 35h 10m 32s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1200 RTLT 35h 10m 32s</p> </div> <div style="width: 45%;"> <p>0000 RTLT 35h 10m 32s</p> </div> </div> <p style="text-align: center;">▼ 1722 DUMMY (5 MIN BRACKETED 04:33)</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	ON CALL VGR ON CALL
NOTES	[1] B191 BACKUP U/L TRACK
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
UTC: FEB 19 Page 16 of 19 FEB 20	

ISSUE DATE: 02/04/21 13:57

PST:	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
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UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 35h 10m 32s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	1200 RTLT 42h 10m 34s ▼ 1020 CCS DIAG (04:31) U/L 1045 - - - - - - TLC (SHORT-FORM) - - - - -												0000 RTLT 42h 10m 32s 0158 - 0224 TAPPOS 0500 0501 PWS/RH 0512 - - 0552 TAPPOS ↓ 0500 GS-4B 0501												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0920 ----- 14 [T] ----- 1425 ----- 10 ----- ----- 40 ----- ----- 60 -----												0140 ----- 63 [D] ----- 0430 ----- 60 -----												
32 DSN COVERAGE	1505 ----- 43 [D] ----- 2125 ----- 40 -----												0345-0745 ----- 43 [D] ----- ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 35h 10m 32s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	1200 RTLT 35h 10m 32s												0000 RTLT 35h 10m 32s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL	VGR																							
NOTES																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	FEB 20												FEB 21												

ISSUE DATE: 02/04/21 13:57



ISSUE DATE: 02/04/21 13:57

PST:	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 FEBRUARY 22, 2021 053-054	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 35h 10m 32s CCSL: A118 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 42h 10m 26s</p> </div>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<p>0910 ----- 14 [D] ----- 1320</p> <p>..... 10</p> <p>..... 60</p>																								
32 DSN COVERAGE	<p>..... 40</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 35h 10m 32s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 35h 10m 32s</p> </div>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	FEB 22												FEB 23												