

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: December 13, 2023

For the Period: 12/14/23 to 01/01//24 (23/348 – 24/001)

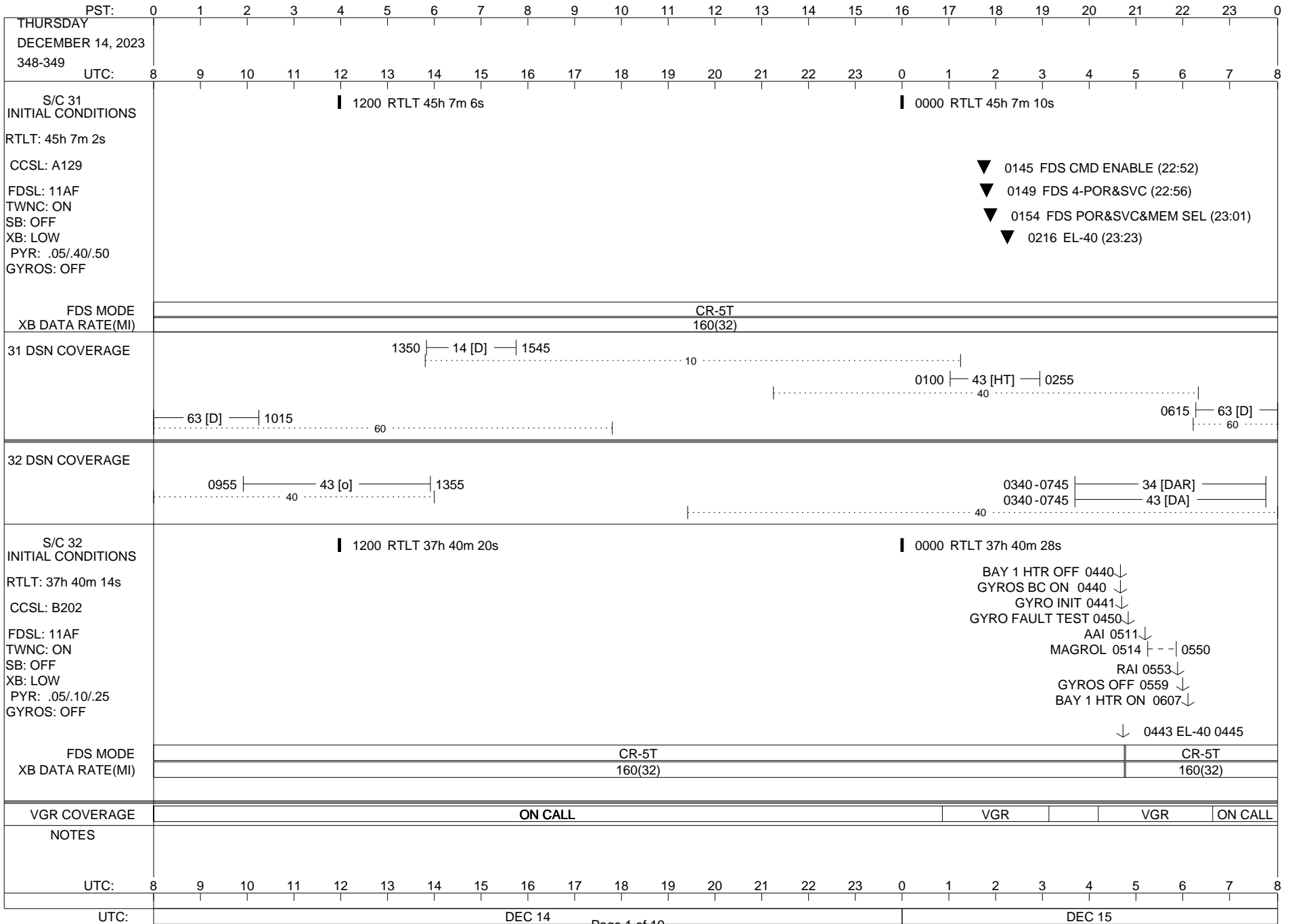


Posted at <https://voyager.jpl.nasa.gov/mission/status/>

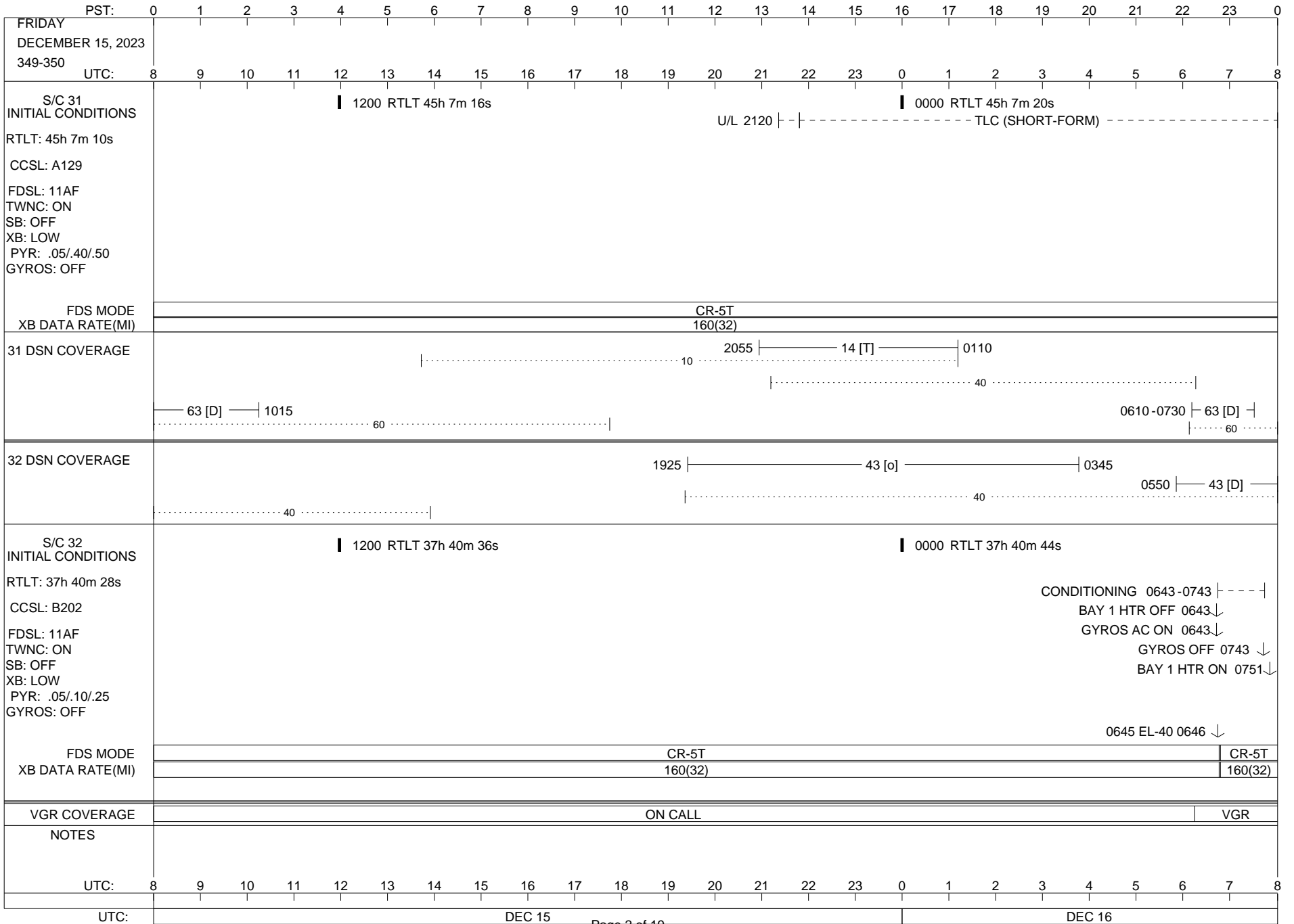
**LEGEND:**

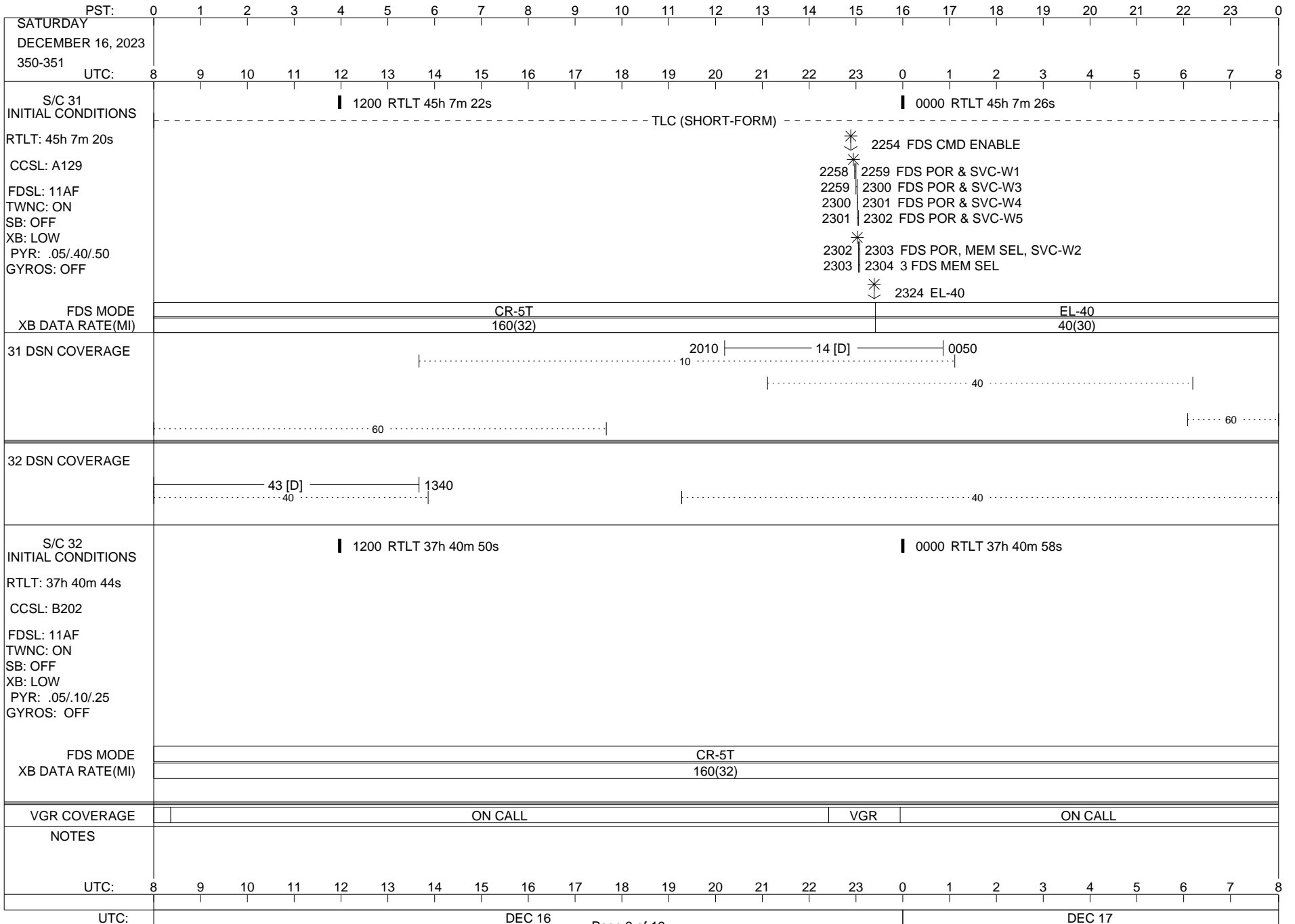
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- \* = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
-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

ISSUE DATE: 12/13/23 12:22

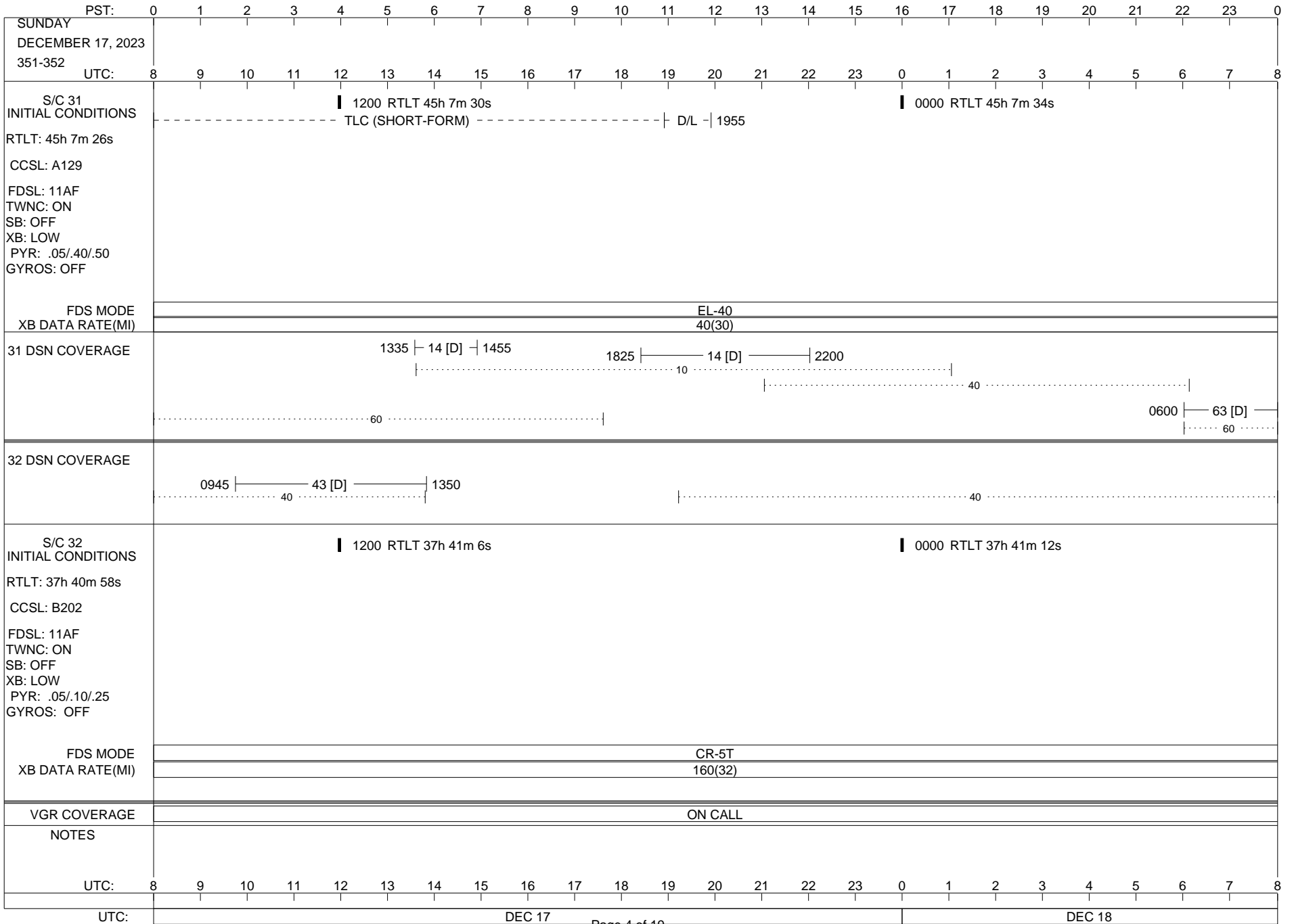


ISSUE DATE: 12/13/23 12:22

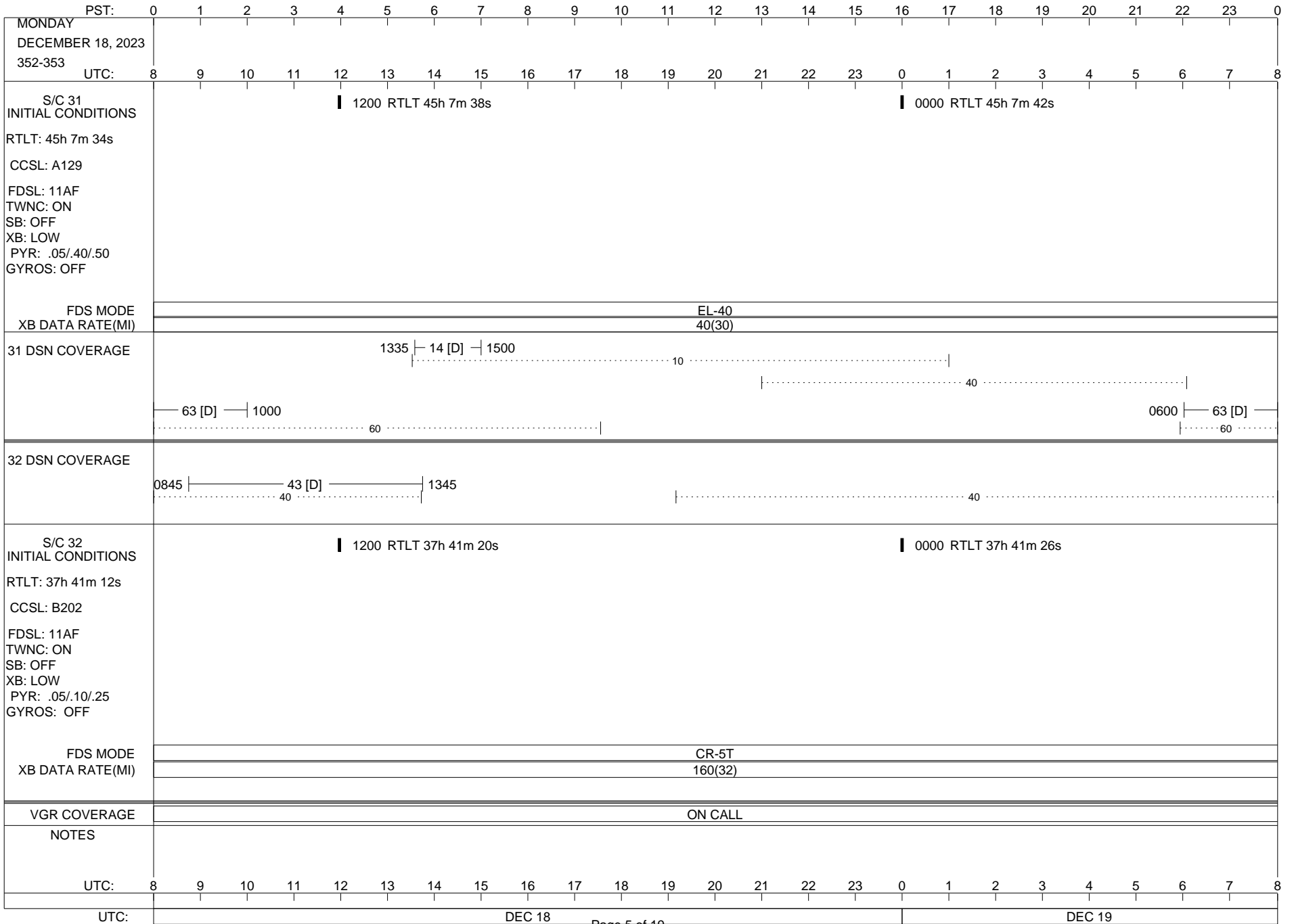


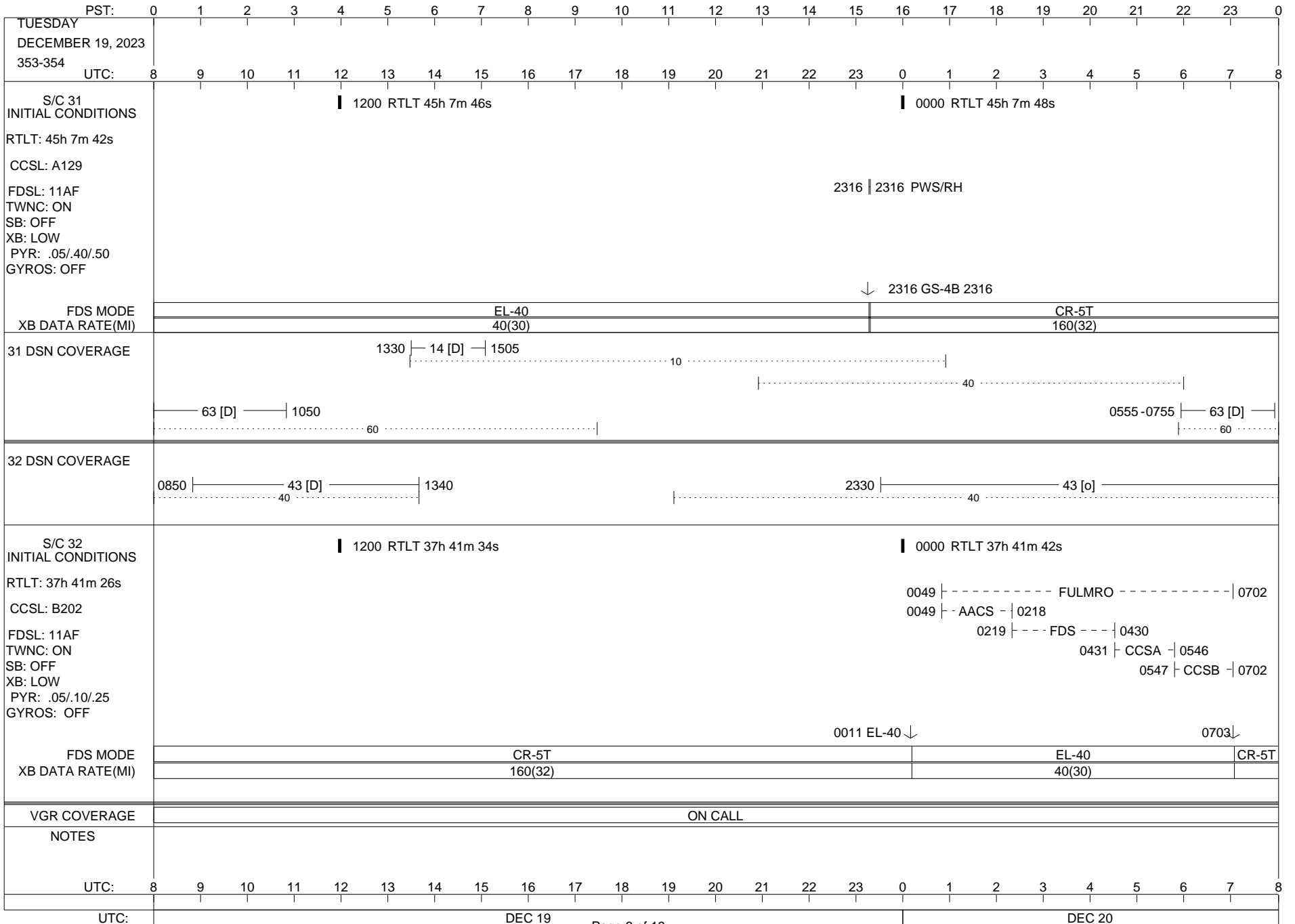


ISSUE DATE: 12/13/23 12:22



ISSUE DATE: 12/13/23 12:22





ISSUE DATE: 12/13/23 12:22

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  
DECEMBER 20, 2023  
354-355

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: 45h 7m 48s  
CCSL: A129  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.40/.50  
GYROS: OFF

1200 RTLT 45h 7m 52s

0000 RTLT 45h 7m 56s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE

1325 |----- 14 [D] -----| 1600

10

40

0550-0715 | 63 [D] |

60

60

32 DSN COVERAGE

43 [o] |-----| 1335

40

1915 |----- 43 [o] -----| 2255

40

S/C 32  
INITIAL CONDITIONS  
RTLTL: 37h 41m 42s  
CCSL: B202  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLT 37h 41m 48s

0000 RTLT 37h 41m 54s

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:

DEC 20

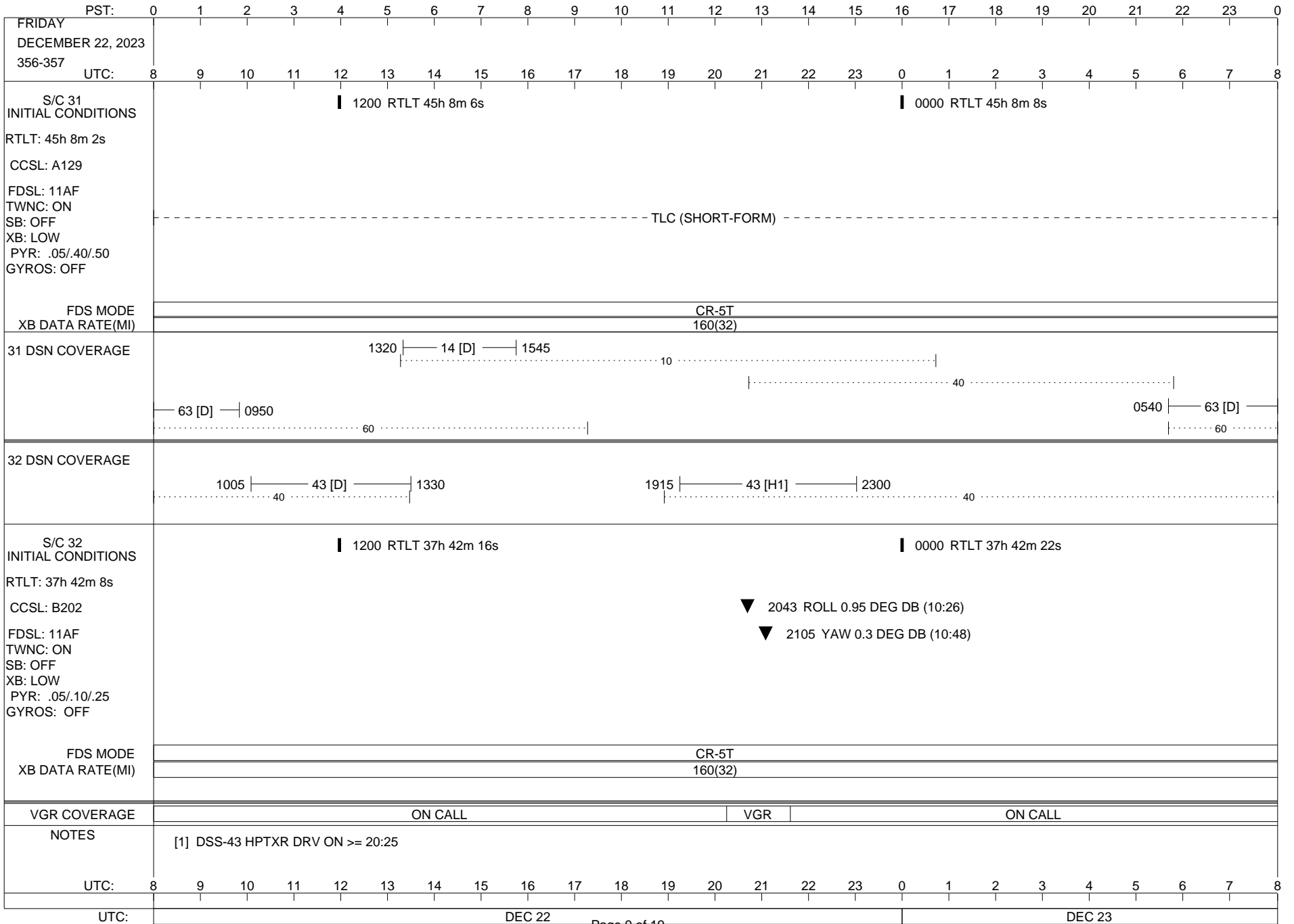
DEC 21



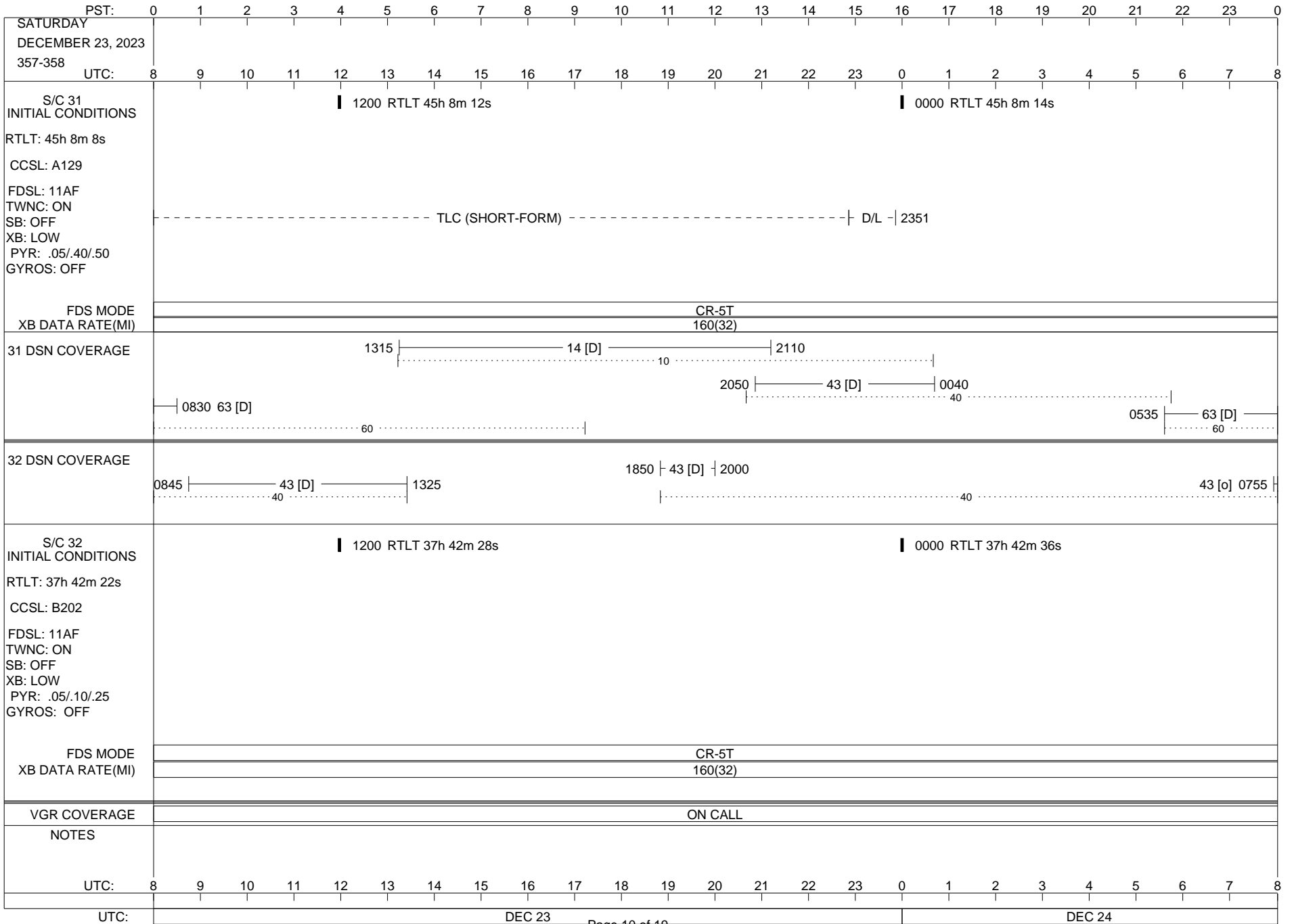
ISSUE DATE: 12/13/23 12:22

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	
THURSDAY DECEMBER 21, 2023 355-356	
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: 45h 7m 56s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	<p>1200 RTLTL 45h 7m 58s</p> <p>0000 RTLTL 45h 8m 2s</p> <p>▼ 0050 DUMMY (21:58)</p> <p>U/L 0115   -   - - - - - TLC (SHORT-FORM) - - - - -</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>1320  -----  14 [D]  -----  1545</p> <p>..... ----- </p> <p>0015  -----  43 [HT]  -----  0415</p> <p>..... ----- </p> <p>0545  -----  63 [D]  ----- </p> <p>..... ----- </p>
32 DSN COVERAGE	<p>1010  -----  43 [D]  -----  1330</p> <p>..... ----- </p> <p>1855  -----  43 [D]  -----  2255</p> <p>..... ----- </p>
S/C 32 INITIAL CONDITIONS RTLTL: 37h 41m 54s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLTL 37h 42m 2s</p> <p>0000 RTLTL 37h 42m 8s</p>
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:	DEC 21  -----  DEC 22

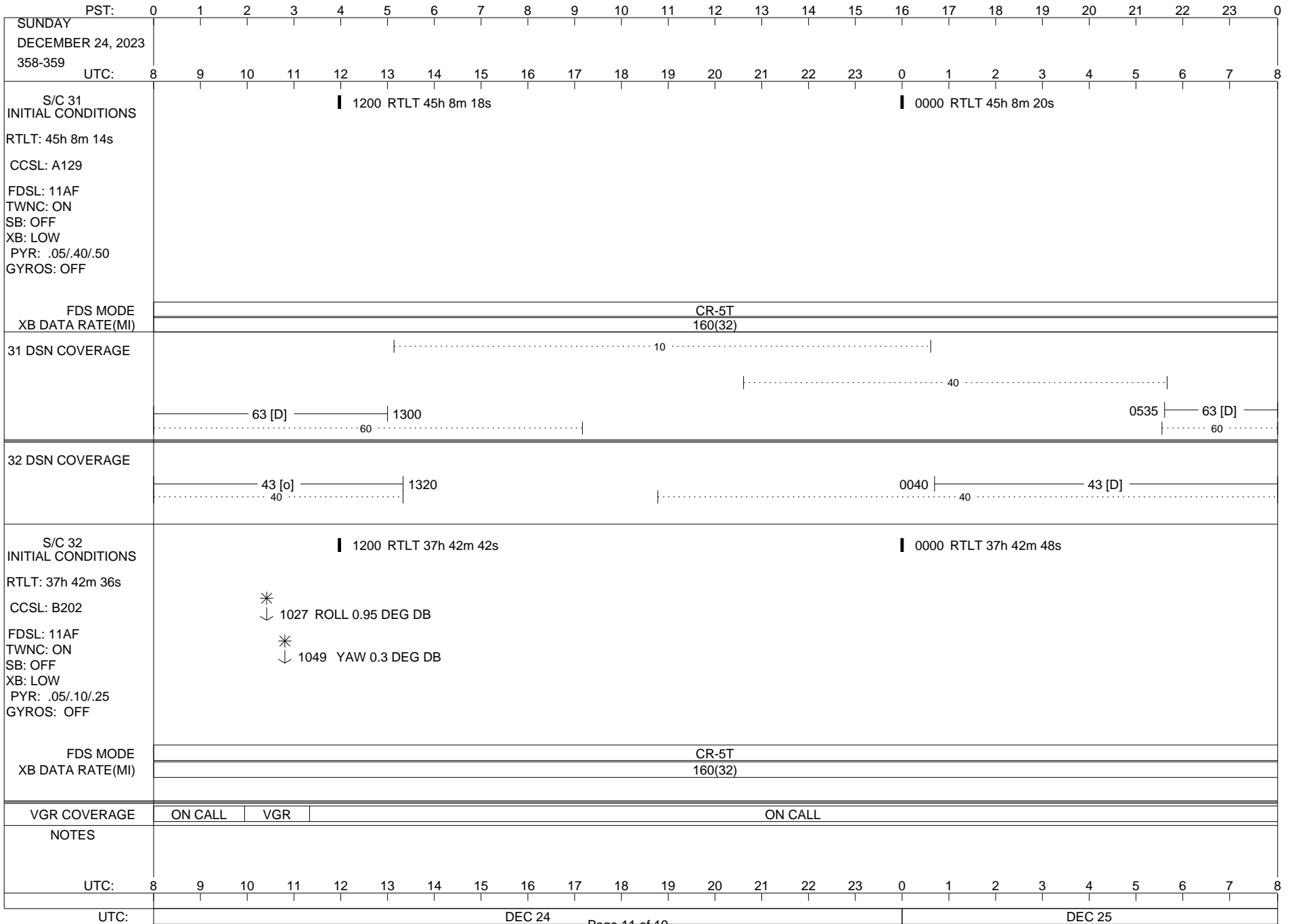
ISSUE DATE: 12/13/23 12:22



ISSUE DATE: 12/13/23 12:22

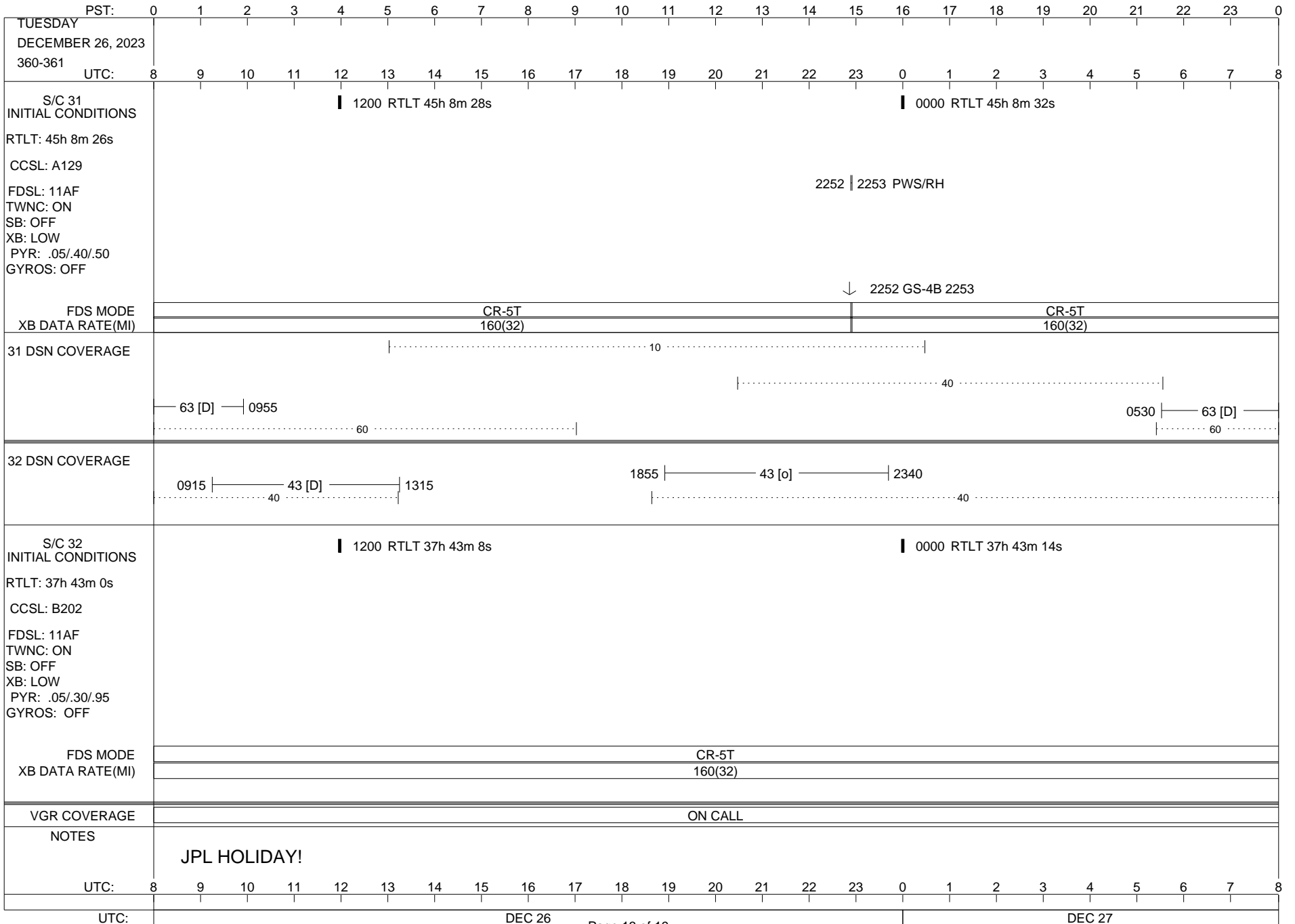


ISSUE DATE: 12/13/23 12:22



ISSUE DATE: 12/13/23 12:22

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 DECEMBER 25, 2023 359-360																												
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: 45h 8m 20s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLT 45h 8m 24s												█ 0000 RTLT 45h 8m 26s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	1305  ----- 14 [D] -----  1705  ----- 10 -----   ----- 40 -----												63 [D]  ----- 1220 -----  0530  ----- 63 [D] -----   ----- 60 -----															
32 DSN COVERAGE	43 [D]  ----- 1315 -----   ----- 40 -----												1940  ----- 43 [D] -----  0050  ----- 40 -----															
S/C 32 INITIAL CONDITIONS RTLT: 37h 42m 48s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.95 GYROS: OFF	█ 1200 RTLT 37h 42m 54s												█ 0000 RTLT 37h 43m 0s															
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:	DEC 25														DEC 26													



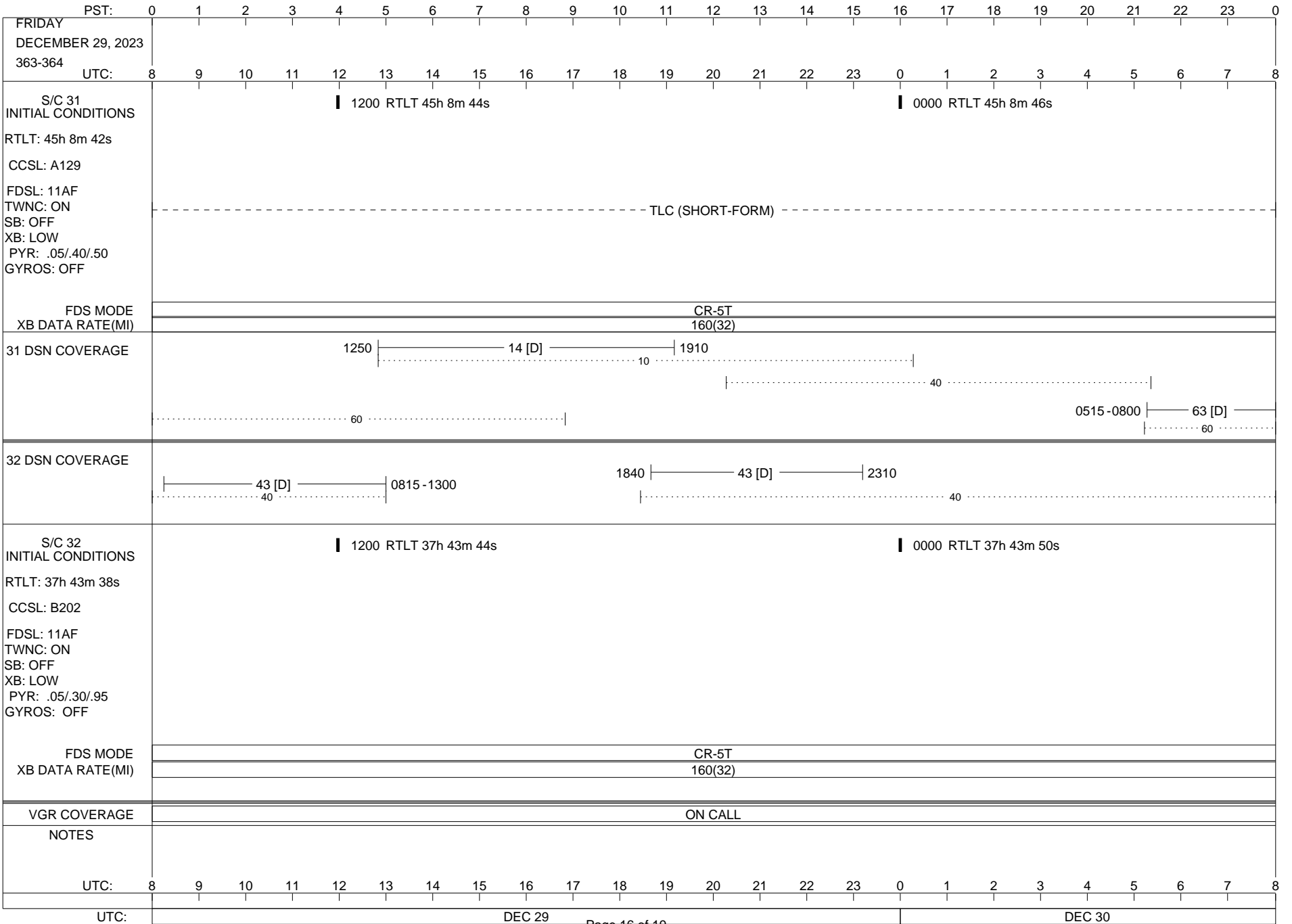
ISSUE DATE: 12/13/23 12:22

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 DECEMBER 27, 2023 361-362																													
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: 45h 8m 32s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF		█ 1200 RTLT 45h 8m 34s														█ 0000 RTLT 45h 8m 36s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
31 DSN COVERAGE		1300  ----- 14 [D] -----  1545  ----- 10 -----   ----- 40 -----														63 [D]  ----- 1030 -----   ----- 60 -----													
32 DSN COVERAGE		0855  ----- 43 [D] -----  1310  ----- 40 -----														0605  ----- 43 [HB] -----   ----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLT: 37h 43m 14s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.95 GYROS: OFF		█ 1200 RTLT 37h 43m 20s														█ 0000 RTLT 37h 43m 26s													
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:		DEC 27														DEC 28													

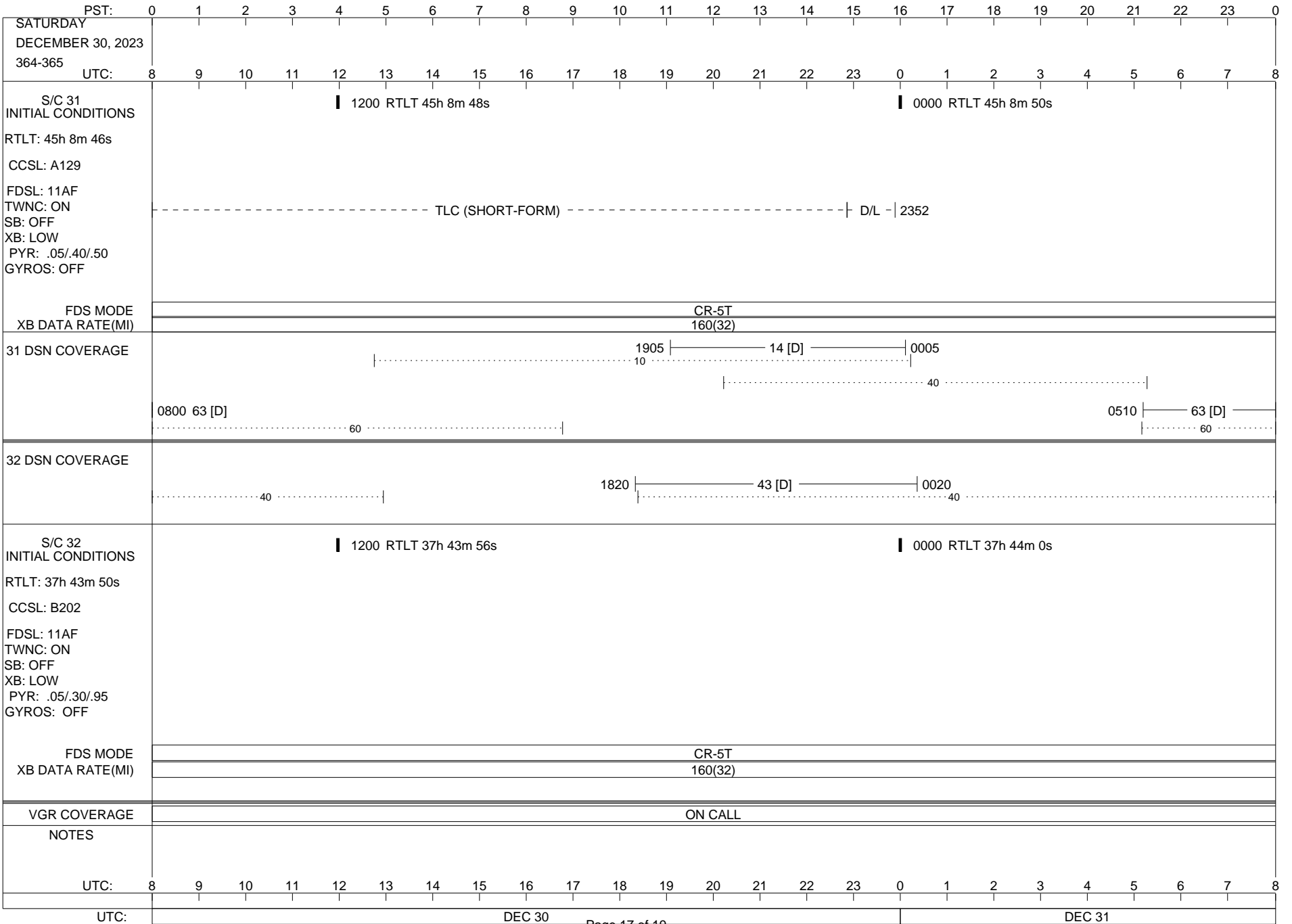
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
THURSDAY DECEMBER 28, 2023 362-363																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS RTLTL: 45h 8m 36s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF					█ 1200																█ 0000					
FDS MODE XB DATA RATE(MI)																										
31 DSN COVERAGE					1255						14 [D]			1740							2350					
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLTL: 37h 43m 26s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.95 GYROS: OFF					█ 1200																█ 0000					
FDS MODE XB DATA RATE(MI)																										
VGR COVERAGE																										
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:	DEC 28														DEC 29											



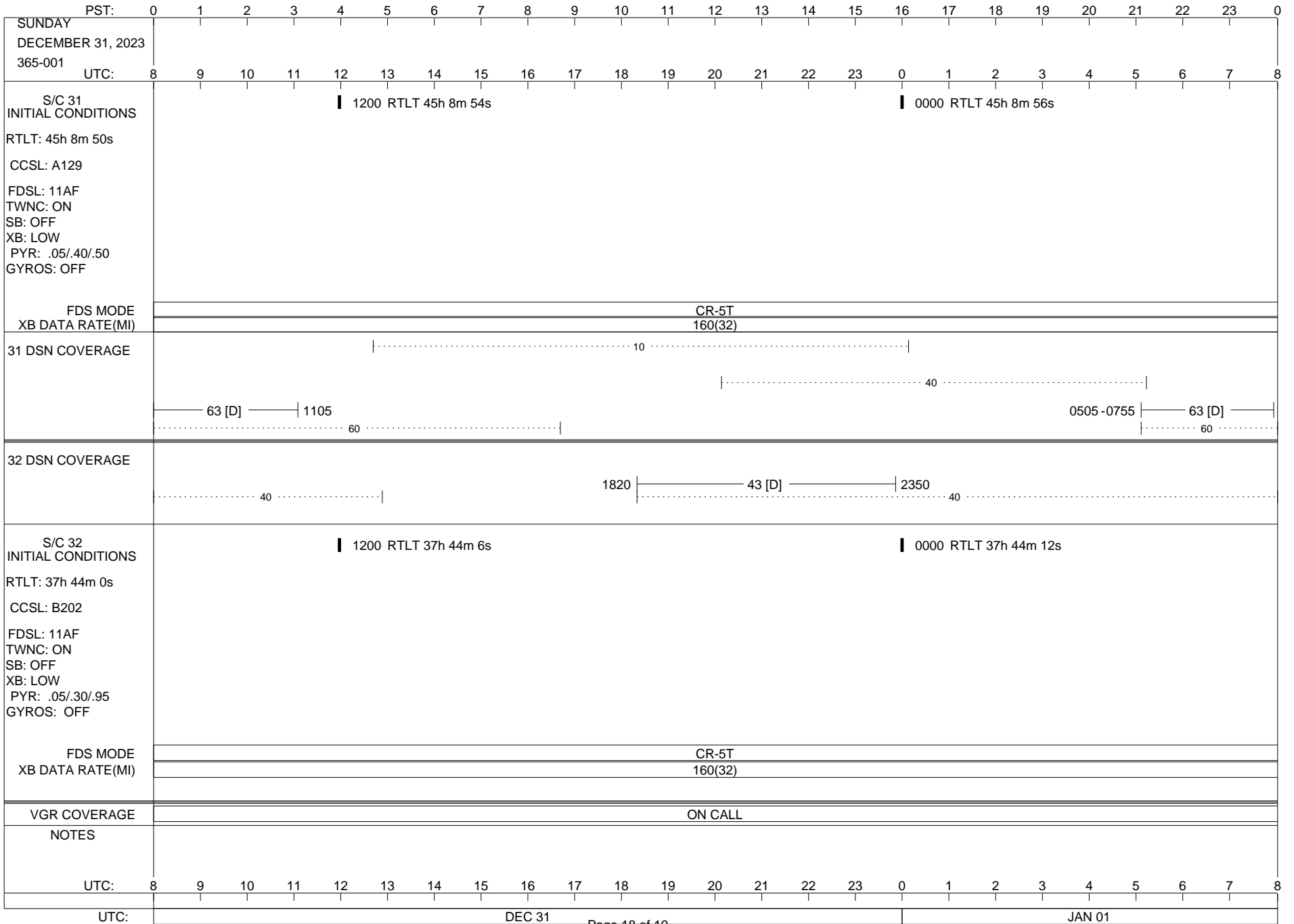
ISSUE DATE: 12/13/23 12:22



ISSUE DATE: 12/13/23 12:22



ISSUE DATE: 12/13/23 12:22



ISSUE DATE: 12/13/23 12:22

