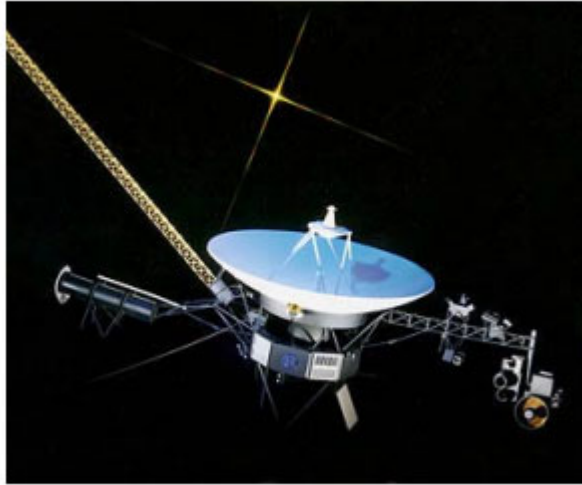


# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: December 18, 2024

For the Period: 12/19/24 to 01/20/25 (24/354 – 25/020)



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

**LEGEND:**

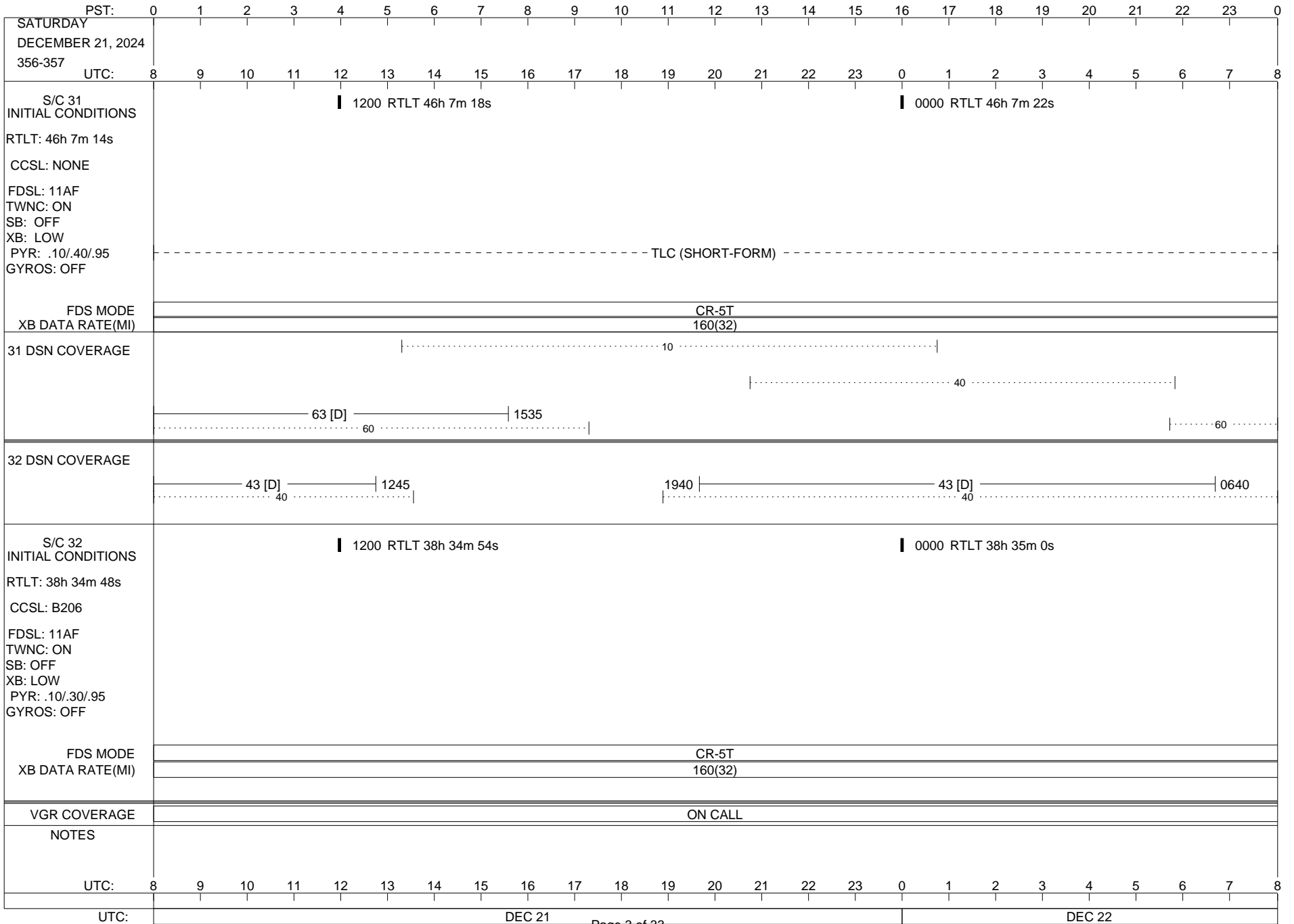
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- \* = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
-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

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 19, 2024 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: 46h 7m 2s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF	1200 RTLTL 46h 7m 4s												0000 RTLTL 46h 7m 8s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 38h 34m 20s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLTL 38h 34m 26s												0000 RTLTL 38h 34m 34s												
FDS MODE XB DATA RATE(MI)													CR-5T 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:	DEC 19												DEC 20												

ISSUE DATE: 12/18/24 12:54

FRIDAY DECEMBER 20, 2024 355-356		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
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: 46h 7m 8s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF		1200 RTLT 46h 7m 12s 0000 RTLT 46h 7m 14s ▼ 2319 EL-40 (21:26) ▼ 2335 CCS CLEANUP (21:42) ▼ 2339 CCSA MRO (21:46) ▼ 2347 CCSB MRO & CR-5T (21:54) U/L 0015   -   - - - - - TLC (SHORT-FORM) - - - - -
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)
31 DSN COVERAGE		1835  -----  2220 10 2215  -----  0425 40 63 [D]  -----  1615 60 0605  -----  63 [D] 60
32 DSN COVERAGE		43 [H1B]  -----  1140 40 0510  -----  43 [D] 40
S/C 32 INITIAL CONDITIONS RTLT: 38h 34m 34s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF		1200 RTLT 38h 34m 40s 0000 RTLT 38h 34m 48s
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)
VGR COVERAGE		VGR  -----  ON CALL  -----  VGR  -----  ON CALL
NOTES		[1] DSS-43 HPTXR DRV OFF <=12:05
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

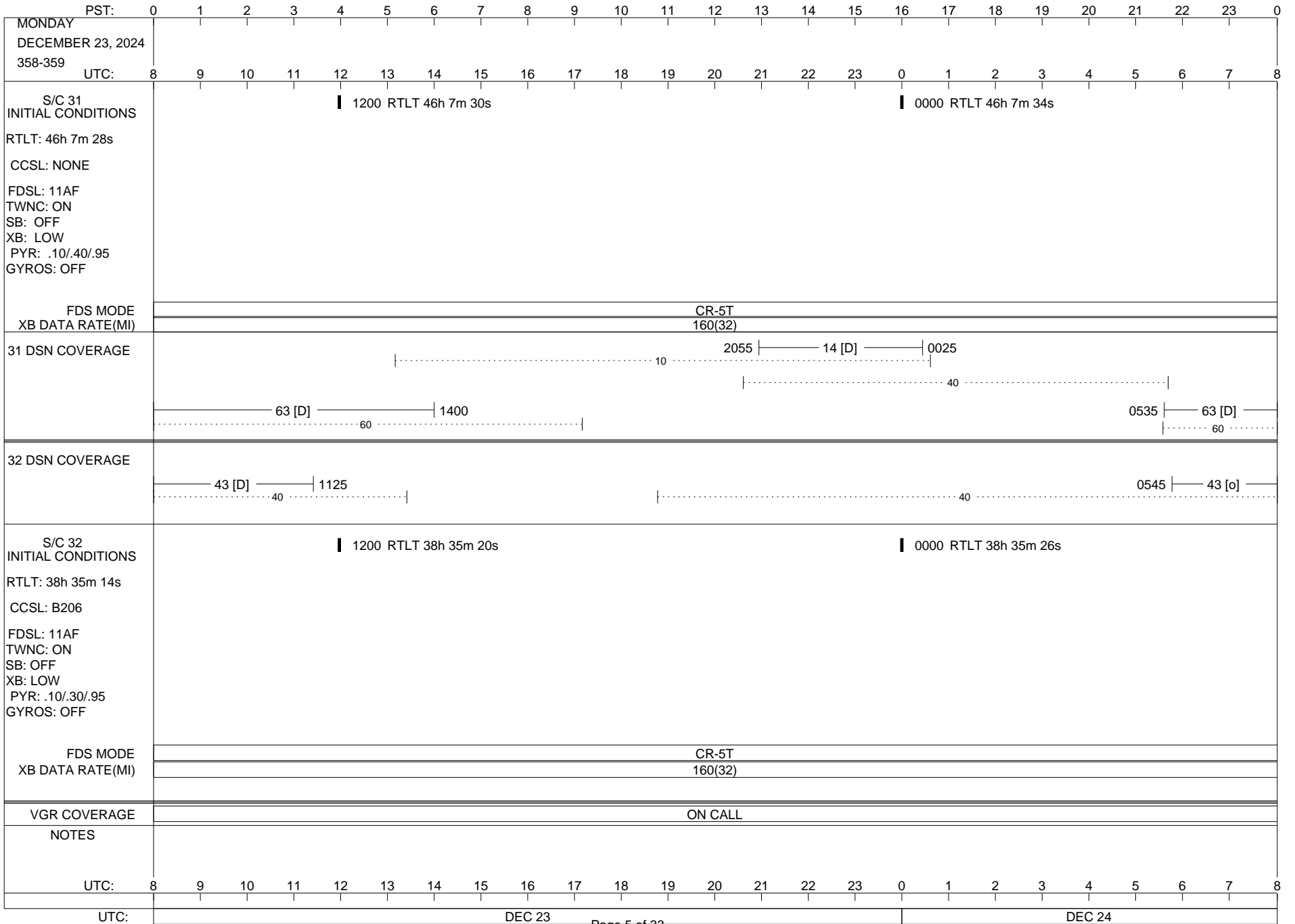
ISSUE DATE: 12/18/24 12:54



ISSUE DATE: 12/18/24 12:54

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 DECEMBER 22, 2024 357-358	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: 46h 7m 22s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF	1200 RTLT 46h 7m 24s												0000 RTLT 46h 7m 28s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												EL 40	CR-5T 160(32)											
31 DSN COVERAGE	1705  -----  14 [D]  -----  2345												40												
	0945  -----  63 [D]  -----  1345												0645  -----  63 [D]  -----  60												
32 DSN COVERAGE	40												2245  -----  43 [D]  -----  40												
S/C 32 INITIAL CONDITIONS RTLT: 38h 35m 0s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLT 38h 35m 8s												0000 RTLT 38h 35m 14s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL												VGR	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 22												DEC 23												

ISSUE DATE: 12/18/24 12:54



ISSUE DATE: 12/18/24 12:54

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 DECEMBER 24, 2024 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	1200 RTLT 46h 7m 36s												0000 RTLT 46h 7m 40s															
RTLT: 46h 7m 34s																												
CCSL: NONE																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: LOW																												
PYR: .10/.40/.95																												
GYROS: OFF																												
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS	1200 RTLT 38h 35m 34s												0000 RTLT 38h 35m 40s															
RTLT: 38h 35m 26s																												
CCSL: B206																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: LOW																												
PYR: .10/.30/.95																												
GYROS: OFF																												
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 24														DEC 25													

ISSUE DATE: 12/18/24 12:54

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 25, 2024																													
360-361																													
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		█ 1200 RTLT 46h 7m 42s														█ 0000 RTLT 46h 7m 44s													
RTLT: 46h 7m 40s																													
CCSL: NONE																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .10/.40/.95																													
GYROS: OFF																													
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS		█ 1200 RTLT 38h 35m 46s														█ 0000 RTLT 38h 35m 52s													
RTLT: 38h 35m 40s																													
CCSL: B206																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .10/.30/.95																													
GYROS: OFF																													
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: 12/18/24 12:54

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 26, 2024  
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  
RTLTL: 46h 7m 44s  
CCSL: NONE  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .10/.40/.95  
GYROS: OFF

1200 RTLT 46h 7m 48s

0000 RTLT 46h 7m 50s

▼ 2220 CCS DIAG (20:28)

U/L 2245 | - | - - - - - TLC (SHORT-FORM) - - - - -

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE

1620 |-----| 14 [D] |-----| 2110

2110 |-----| 43 [HT] |-----| 0135

60

60

32 DSN COVERAGE

0220-0720 |-----| 43 [D] |-----|

40

40

S/C 32  
INITIAL CONDITIONS  
RTLTL: 38h 35m 52s  
CCSL: B206  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .10/.30/.95  
GYROS: OFF

1200 RTLT 38h 35m 58s

0000 RTLT 38h 36m 4s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

VGR COVERAGE

ON CALL

VGR

ON ALL

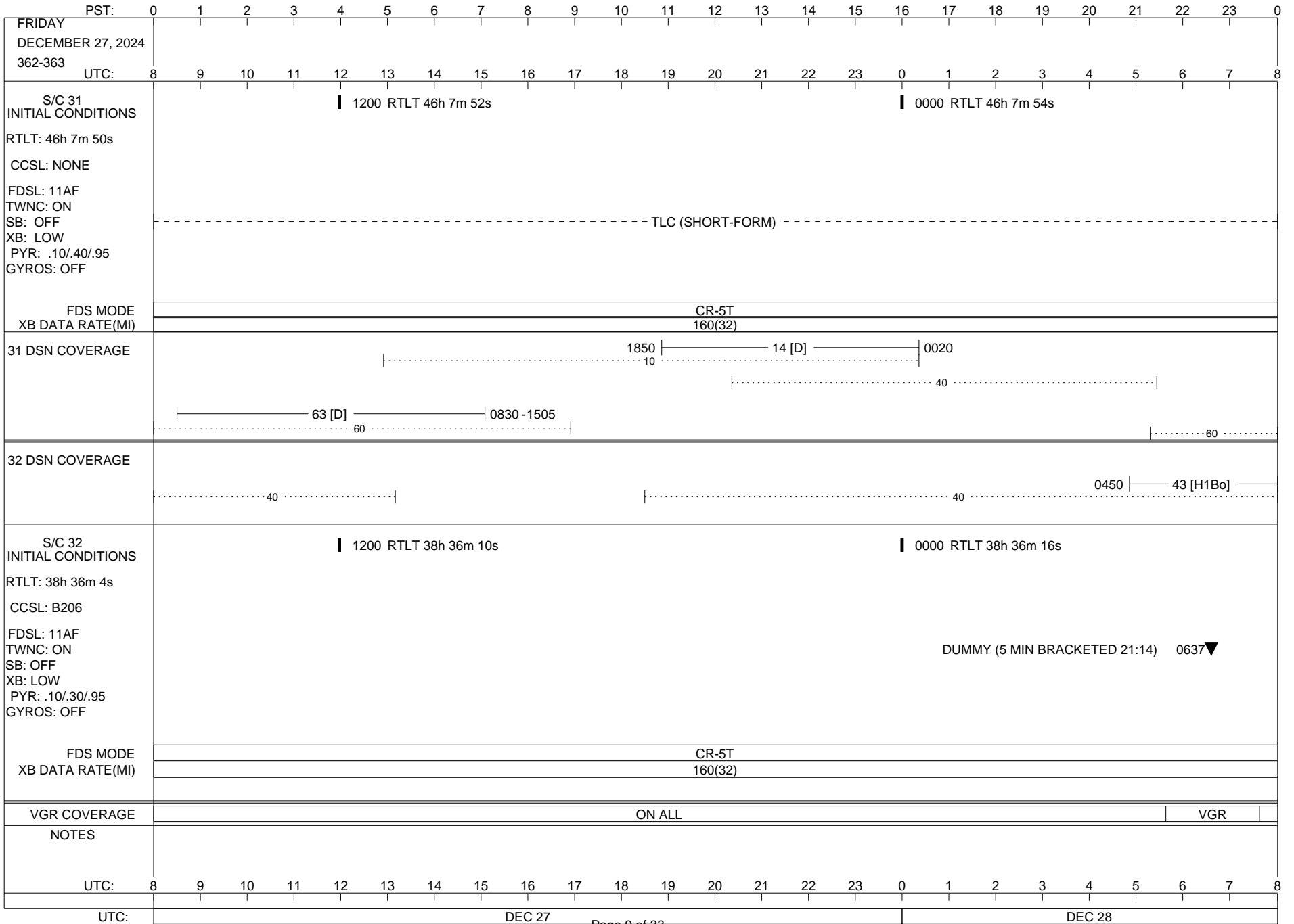
NOTES

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 26 Page 8 of 33 DEC 27

ISSUE DATE: 12/18/24 12:54

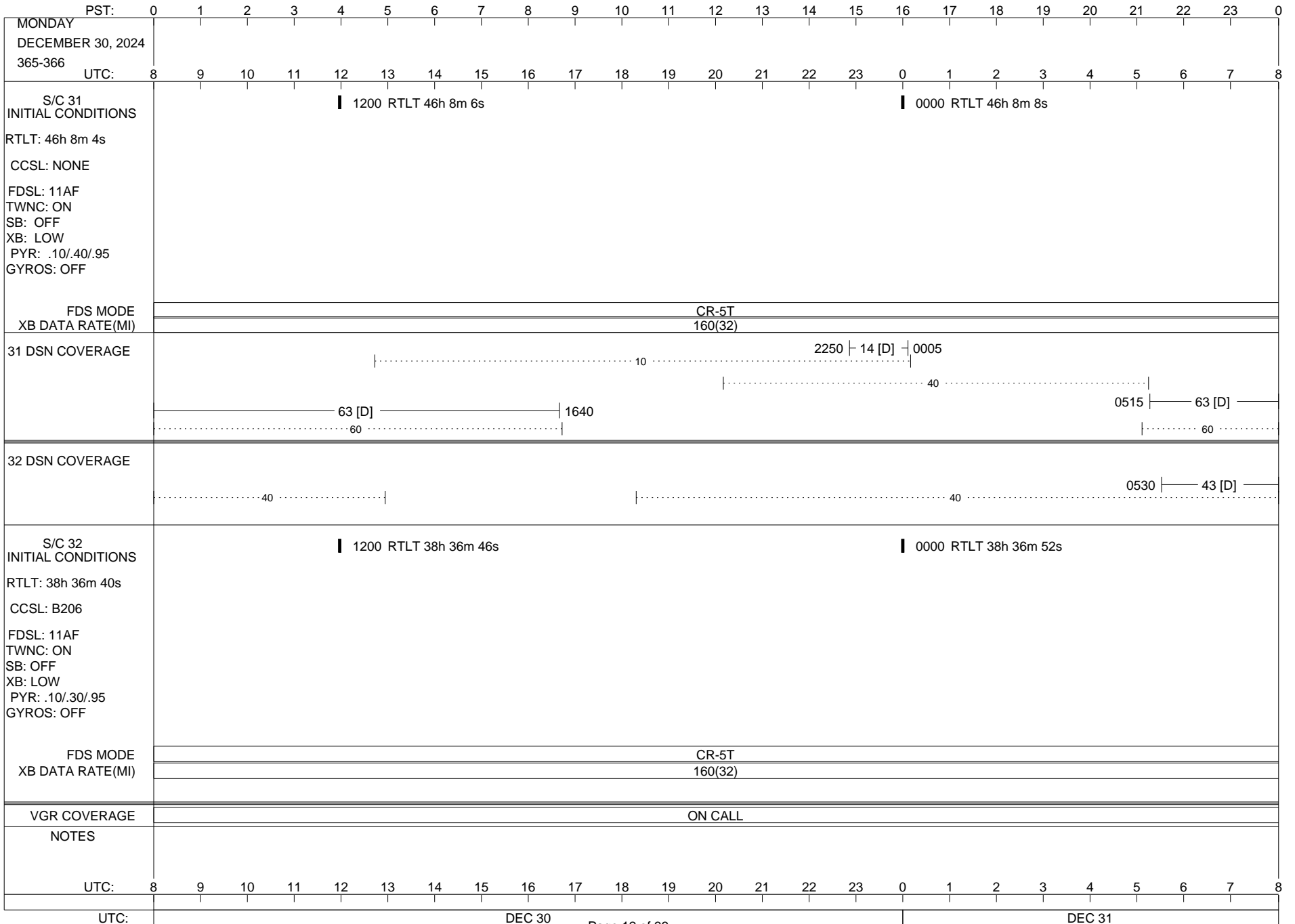


ISSUE DATE: 12/18/24 12:54

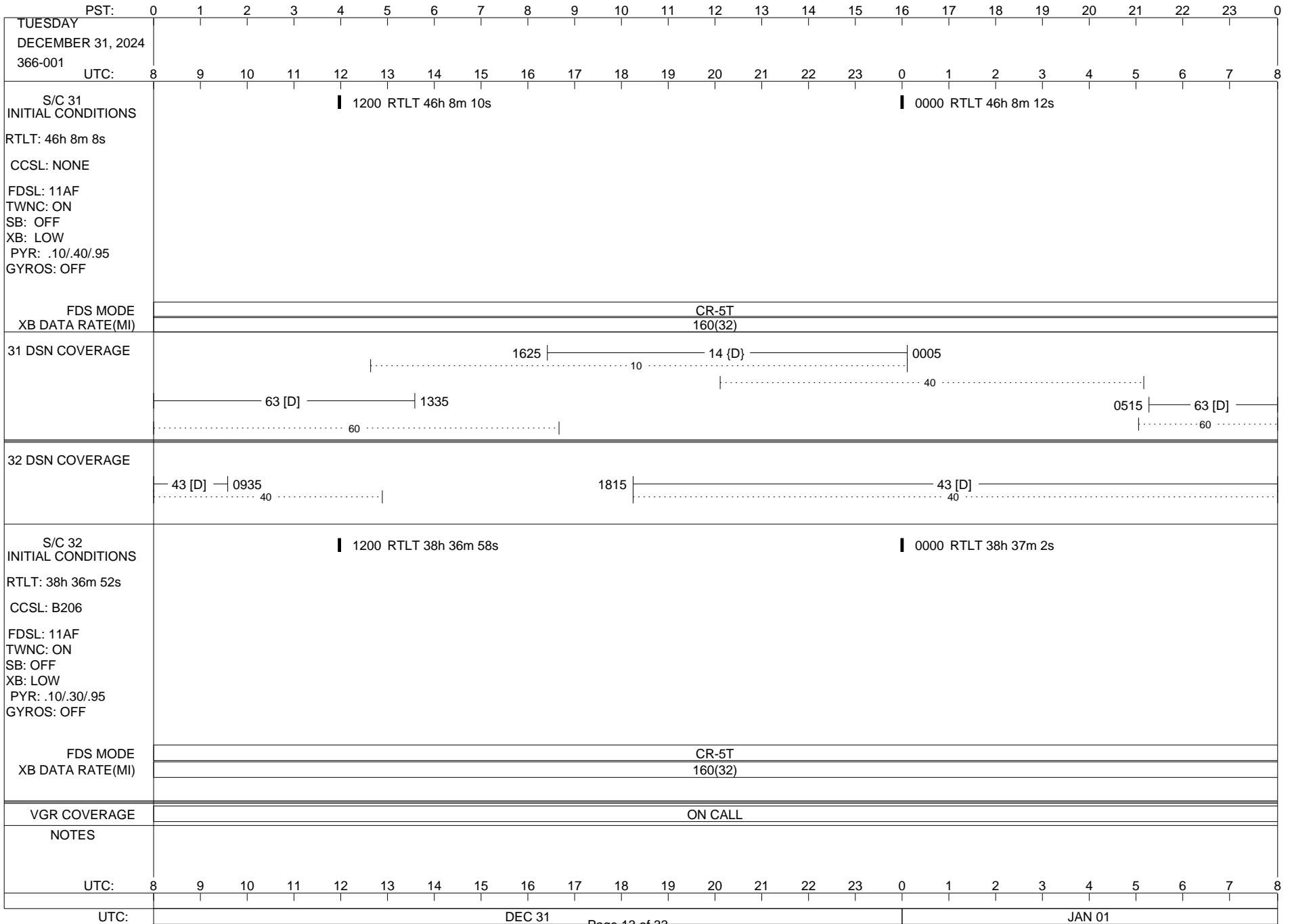
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SATURDAY DECEMBER 28, 2024 363-364	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 46h 7m 54s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF	1200 RTLT 46h 7m 58s												0000 RTLT 46h 8m 0s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1605  -----  14 [D]  -----  0015  -----  10  -----  40												0910  -----  63 [D]  -----  1500  -----  60  -----  60												
32 DSN COVERAGE	43 [H1Bo]  -----  1155  -----  40												2030  -----  43 [D]  -----   -----  40												
S/C 32 INITIAL CONDITIONS RTLT: 38h 36m 16s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLT 38h 36m 22s												0000 RTLT 38h 36m 28s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] DSS-43 HPTXR DRV OFF <= 11:35																								
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												

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 DECEMBER 29, 2024 364-365	
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: 46h 8m 0s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div>1200 RTLT 46h 8m 2s</div> <div>0000 RTLT 46h 8m 4s</div> </div>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div>1630  -----  14 [D]  -----  0010</div> <div>0915  -----  63 [D]  -----  1500</div> <div>0515  -----  63 [D]  ----- </div> </div>
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div>43 [D]  -----  0920</div> <div>2025-0750  -----  43 [D]  ----- </div> </div>
S/C 32 INITIAL CONDITIONS RTLT: 38h 36m 28s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div>1200 RTLT 38h 36m 34s</div> <div>0000 RTLT 38h 36m 40s</div> </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:	DEC 29 <span style="float: right;">DEC 30</span>

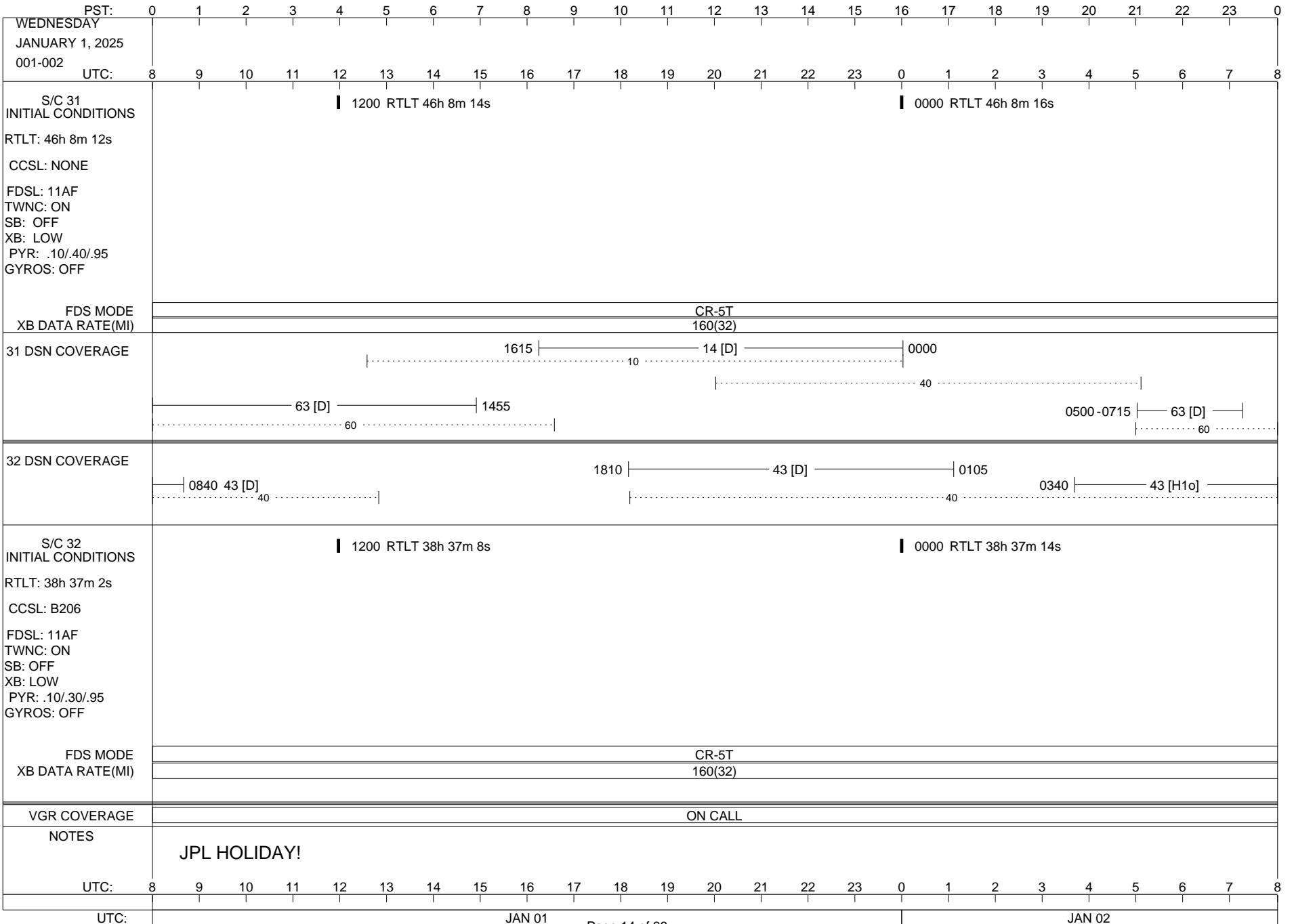
ISSUE DATE: 12/18/24 12:54



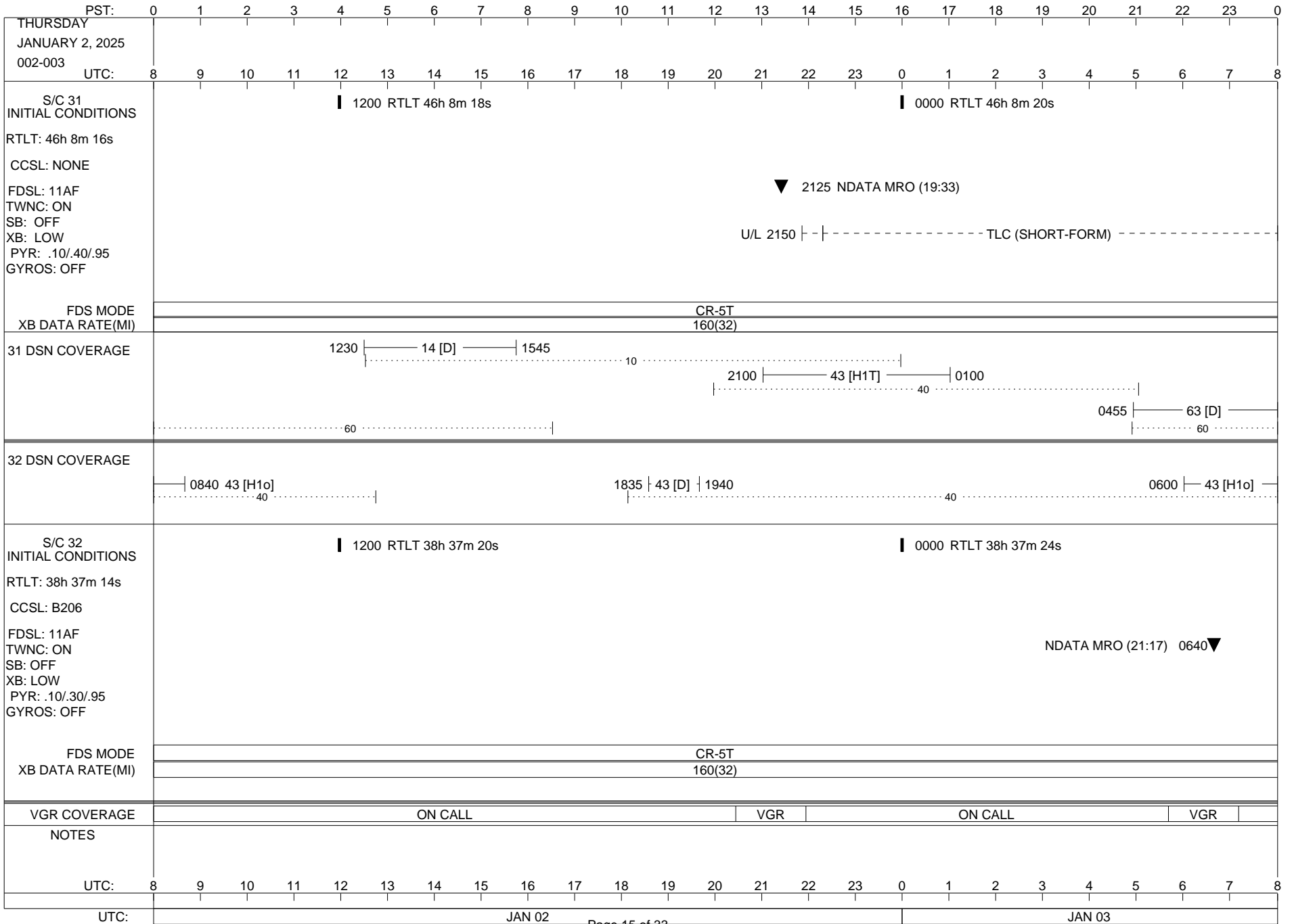
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ISSUE DATE: 12/18/24 12:54

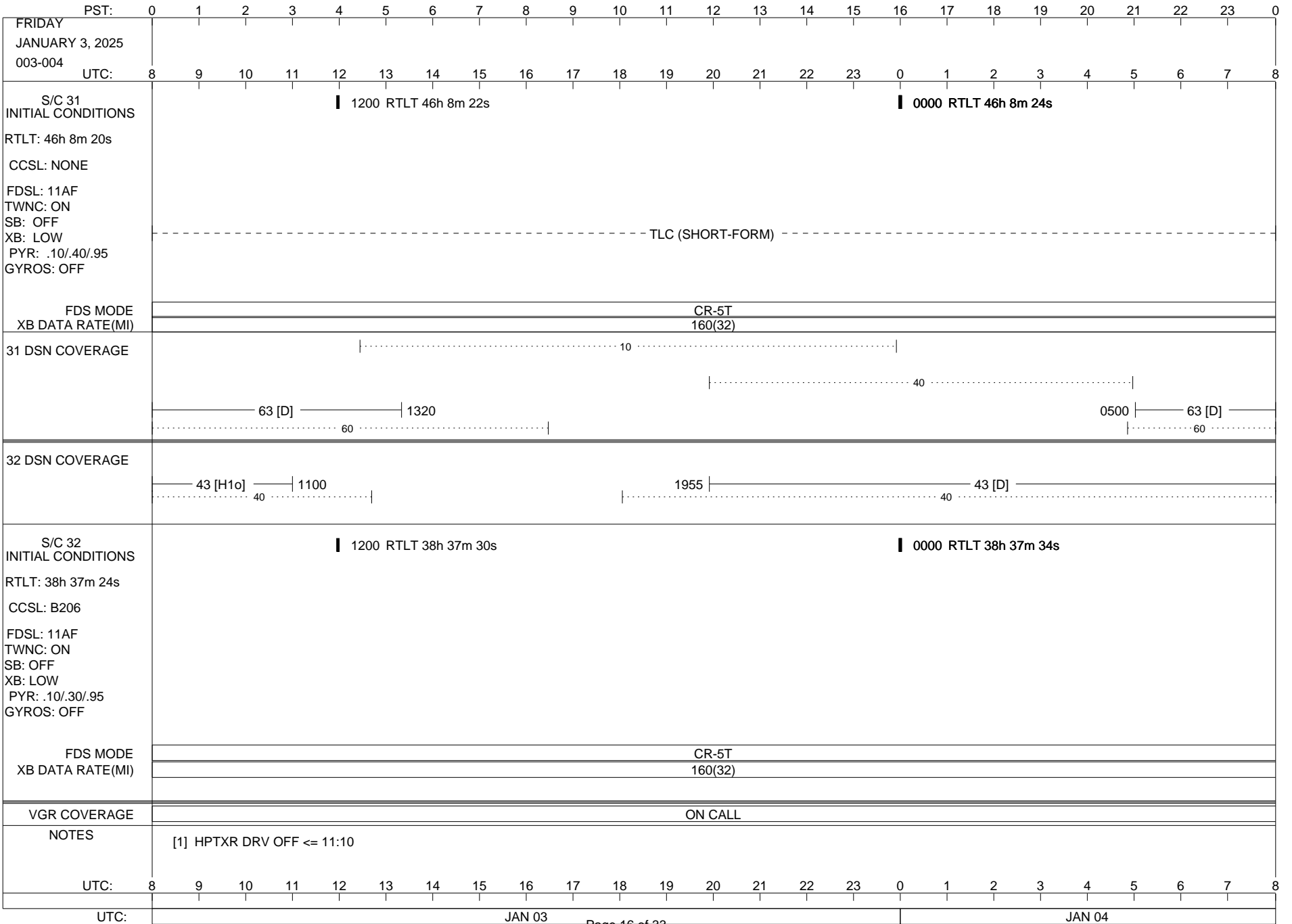


ISSUE DATE: 12/18/24 12:54

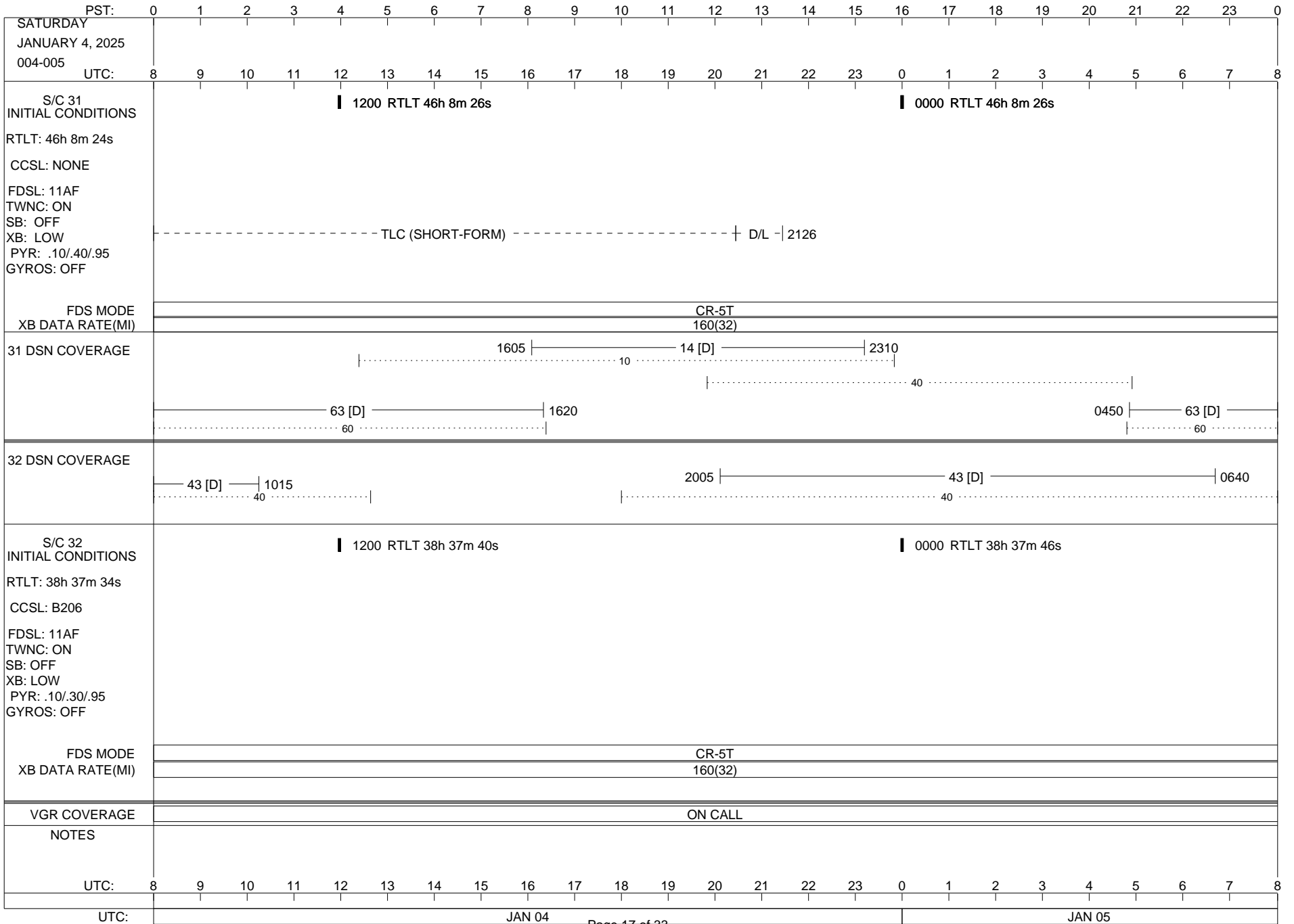




ISSUE DATE: 12/18/24 12:54



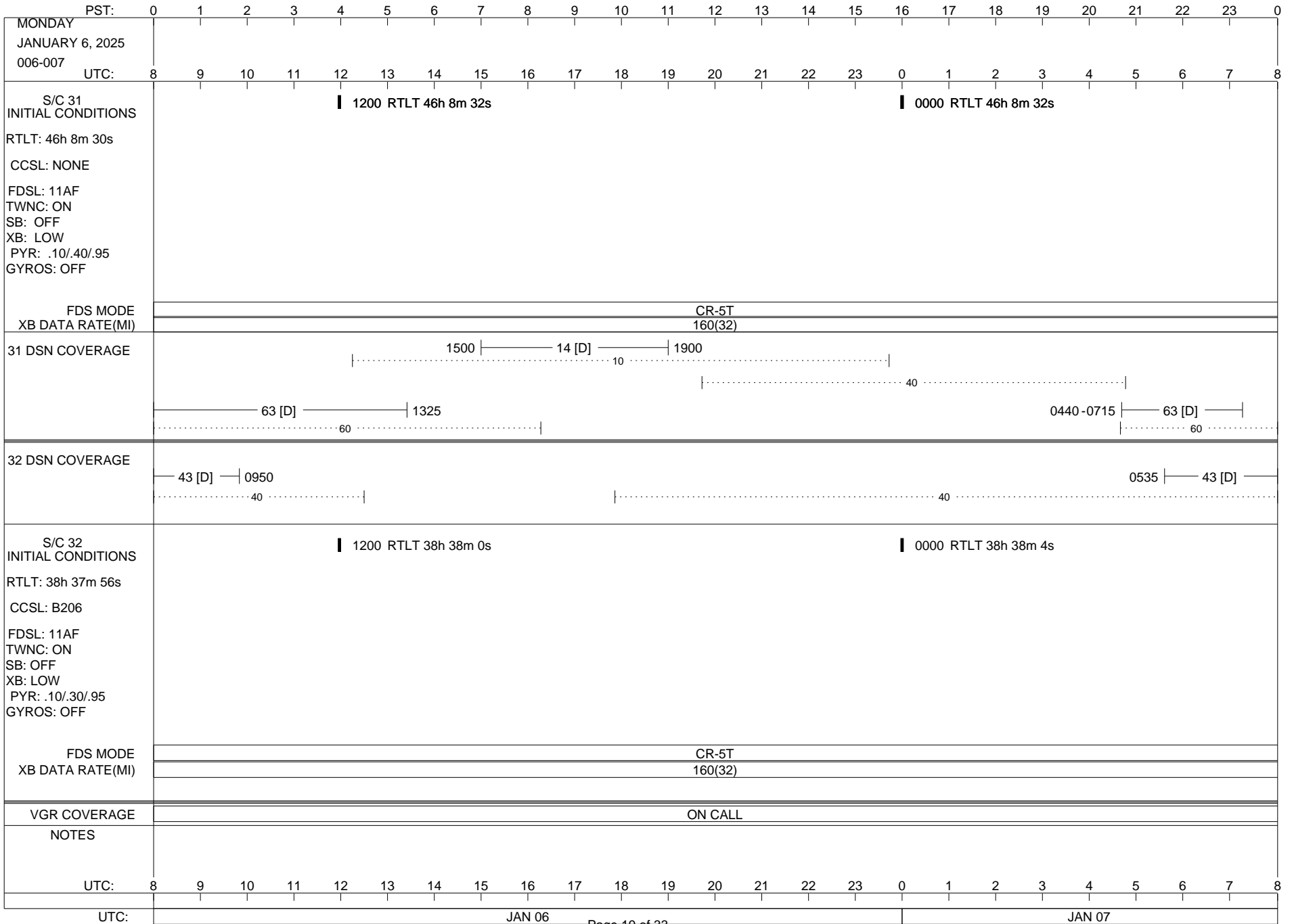
ISSUE DATE: 12/18/24 12:54



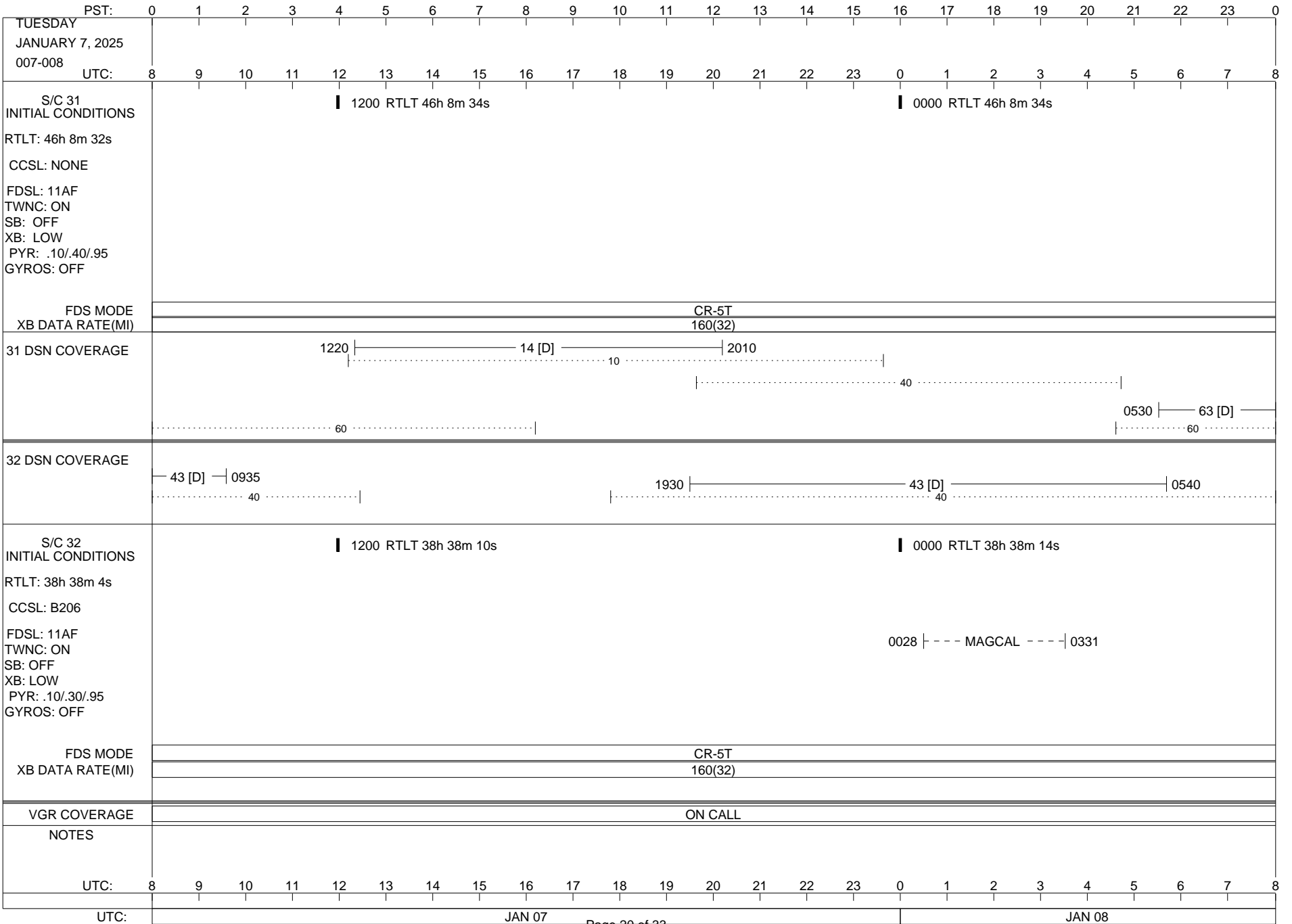
ISSUE DATE: 12/18/24 12:54

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 JANUARY 5, 2025 005-006	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: 46h 8m 26s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF	█ 1200 RTLT 46h 8m 28s												█ 0000 RTLT 46h 8m 30s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1515  -----  14 [D]  -----  2345 .....10.....												.....40..... 63 [D]  -----  1505  -----  0445  -----  63 [D] .....60.....												
32 DSN COVERAGE	.....40.....												1945  -----  43 [D]  -----  .....40.....												
S/C 32 INITIAL CONDITIONS RTLT: 38h 37m 46s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	█ 1200 RTLT 38h 37m 50s												█ 0000 RTLT 38h 37m 56s												
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:	JAN 05												JAN 06												

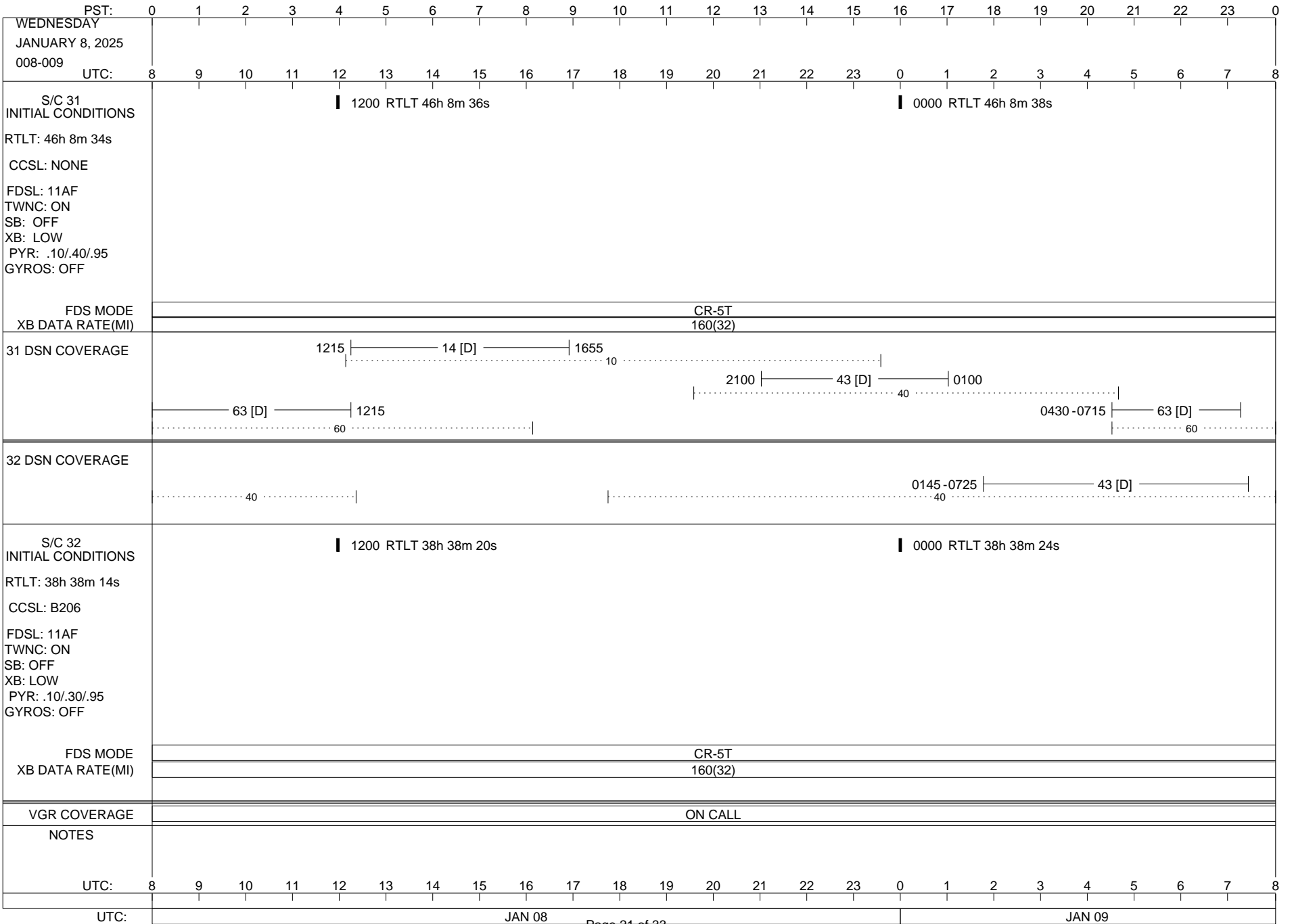
ISSUE DATE: 12/18/24 12:54



ISSUE DATE: 12/18/24 12:54



ISSUE DATE: 12/18/24 12:54



ISSUE DATE: 12/18/24 12:54

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 JANUARY 9, 2025 009-010																									
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S/C 31 INITIAL CONDITIONS RTLTL: 46h 8m 38s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF					█																				
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE					1205																				
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 38h 38m 24s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF					█																				
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:																									

ISSUE DATE: 12/18/24 12:54

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  
JANUARY 10, 2025  
010-011

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: 46h 8m 40s  
CCSL: NONE  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .10/.40/.95  
GYROS: OFF

1200 RTLTL 46h 8m 40s

0000 RTLTL 46h 8m 42s

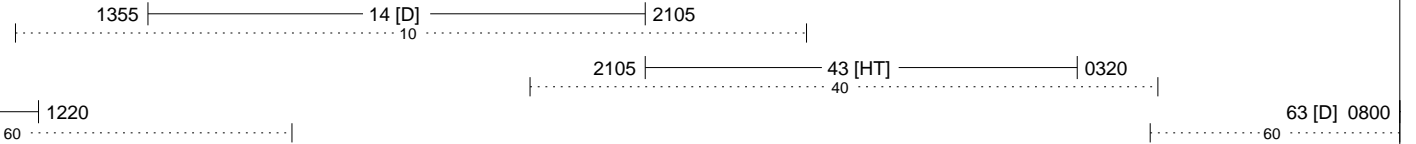
▼ 2220 CCS DIAG (20:29)

U/L 2245 | - | - - - - - TLC (SHORT-FORM) - - - - -

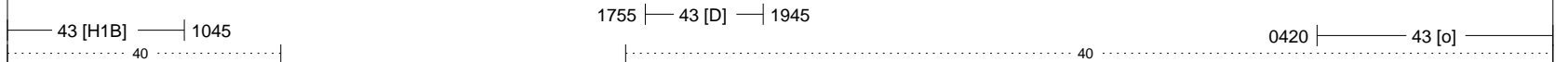
FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32  
INITIAL CONDITIONS  
RTLTL: 38h 38m 32s  
CCSL: B206  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .10/.30/.95  
GYROS: OFF

1200 RTLTL 38h 38m 38s

0000 RTLTL 38h 38m 42s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

VGR COVERAGE

ON CALL

VGR

ON CALL

NOTES

[1] DSS-43 HPTXT DRV OFF <= 10:45

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

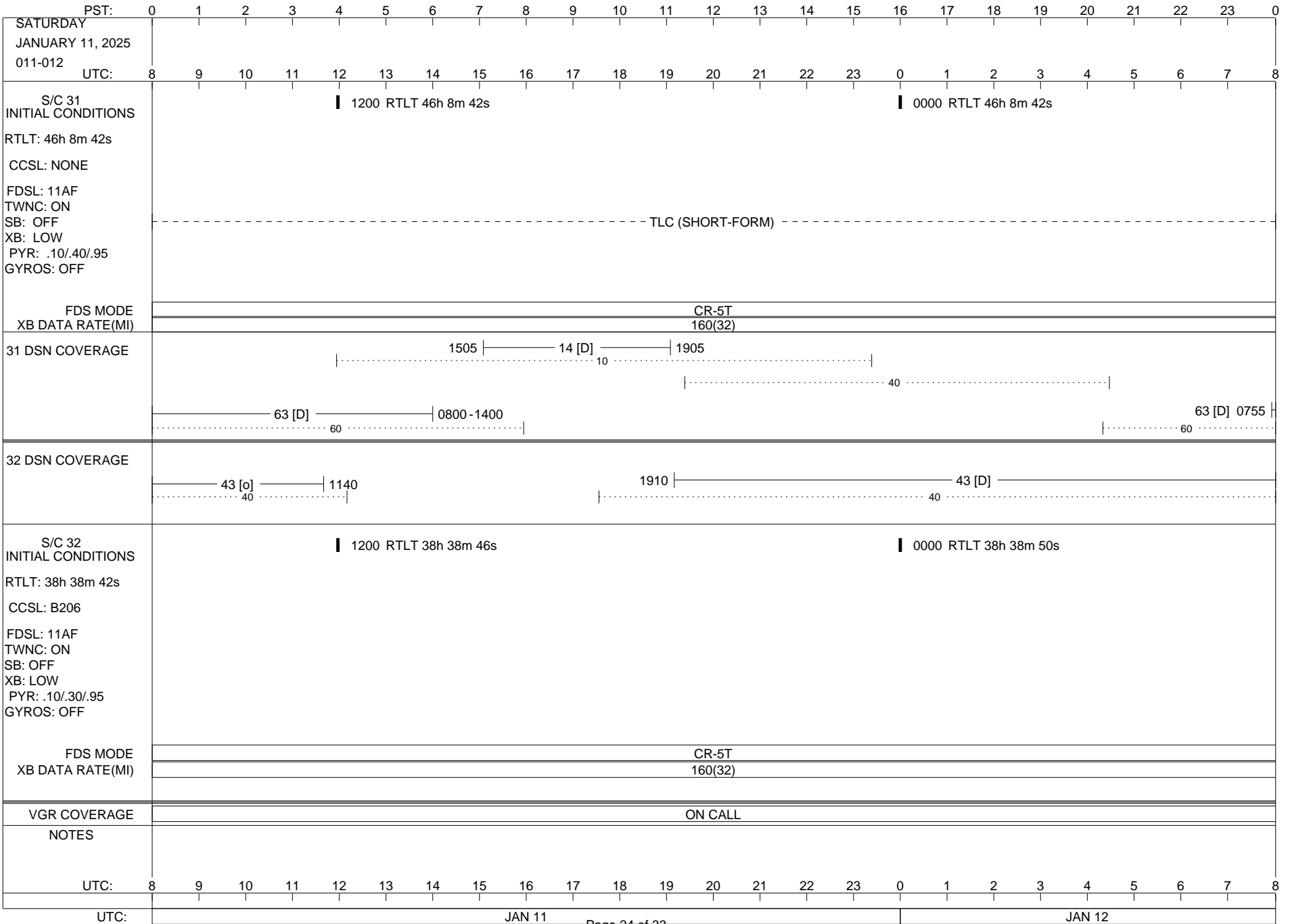
UTC:

JAN 10

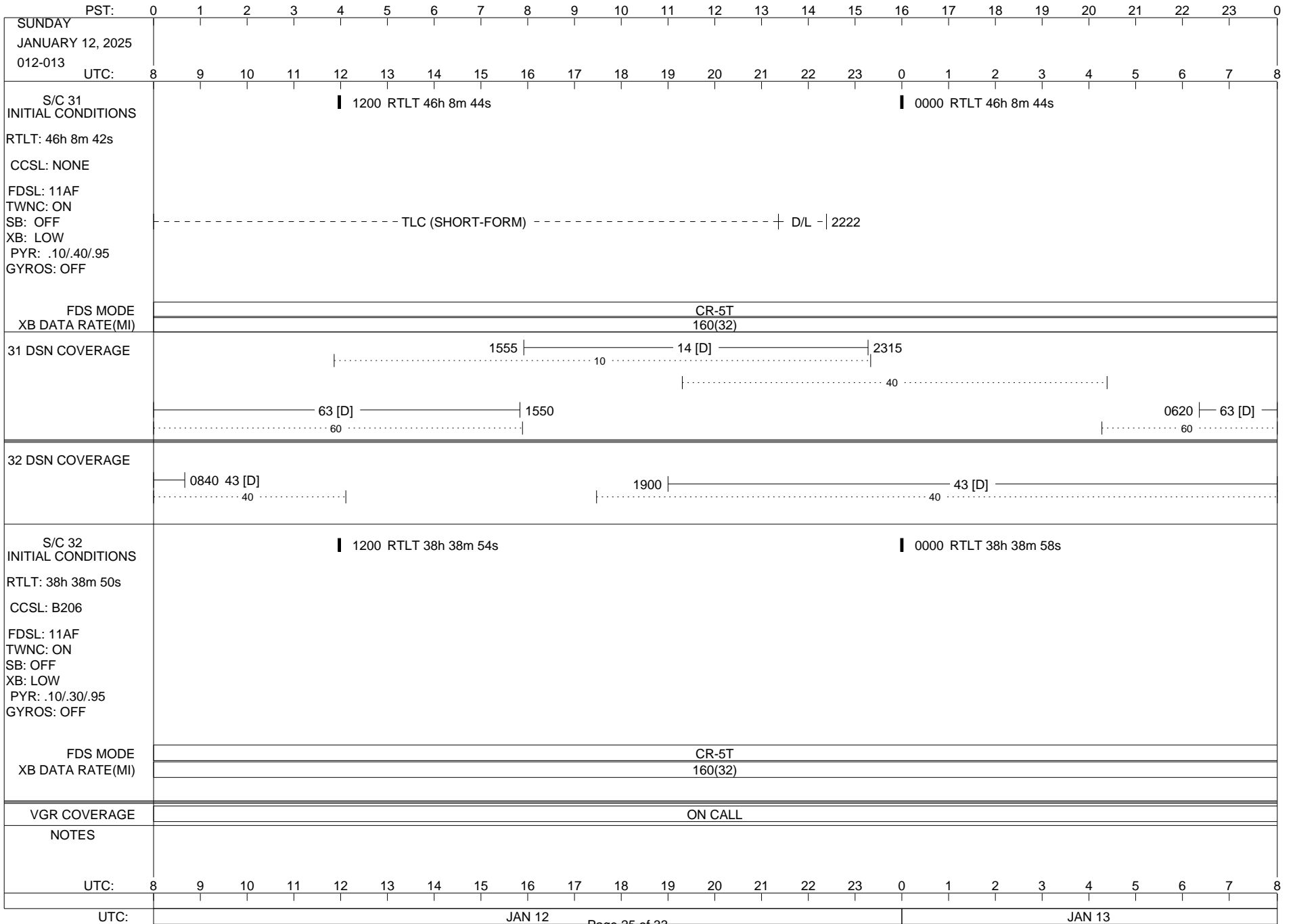
JAN 11



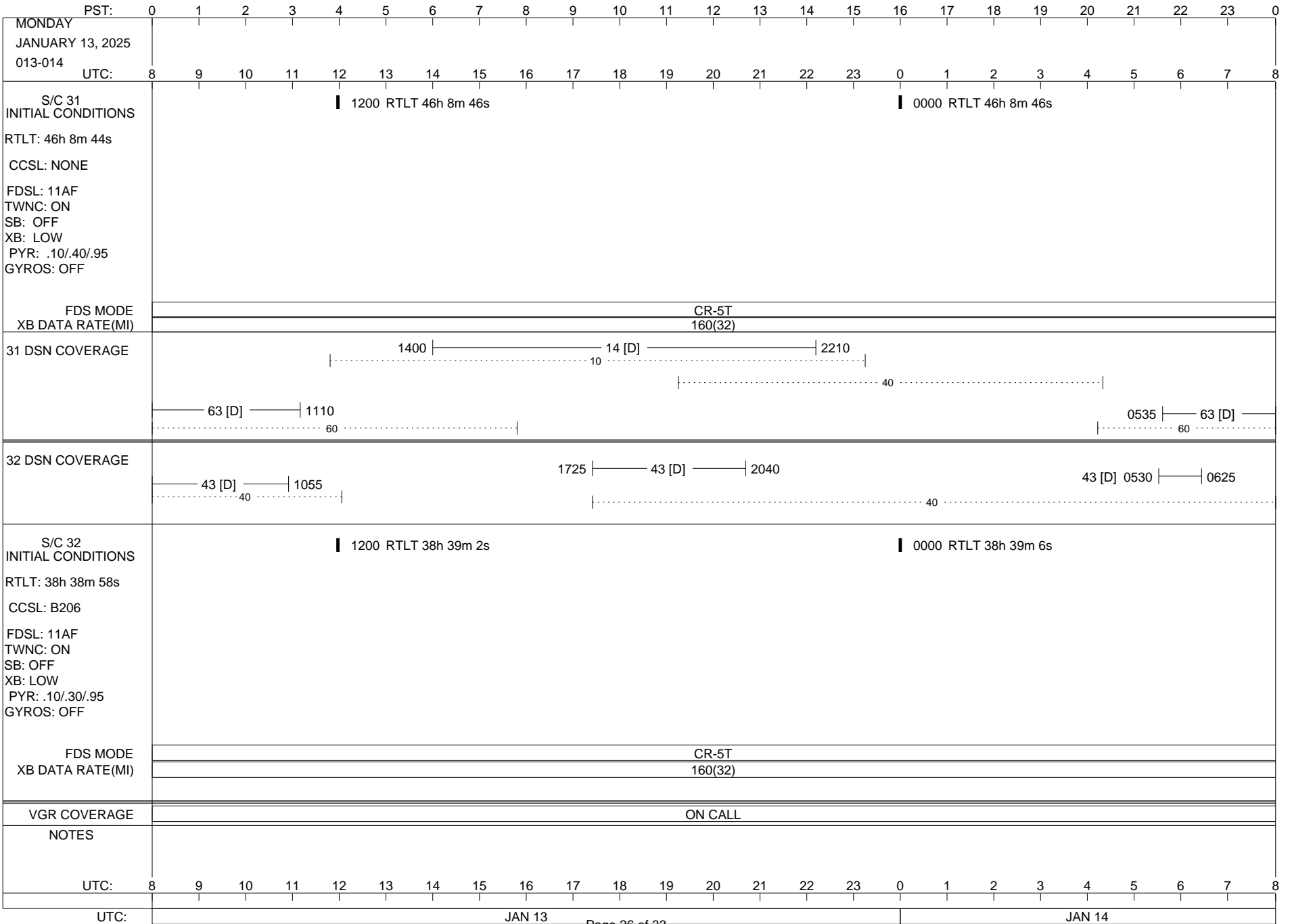
ISSUE DATE: 12/18/24 12:54



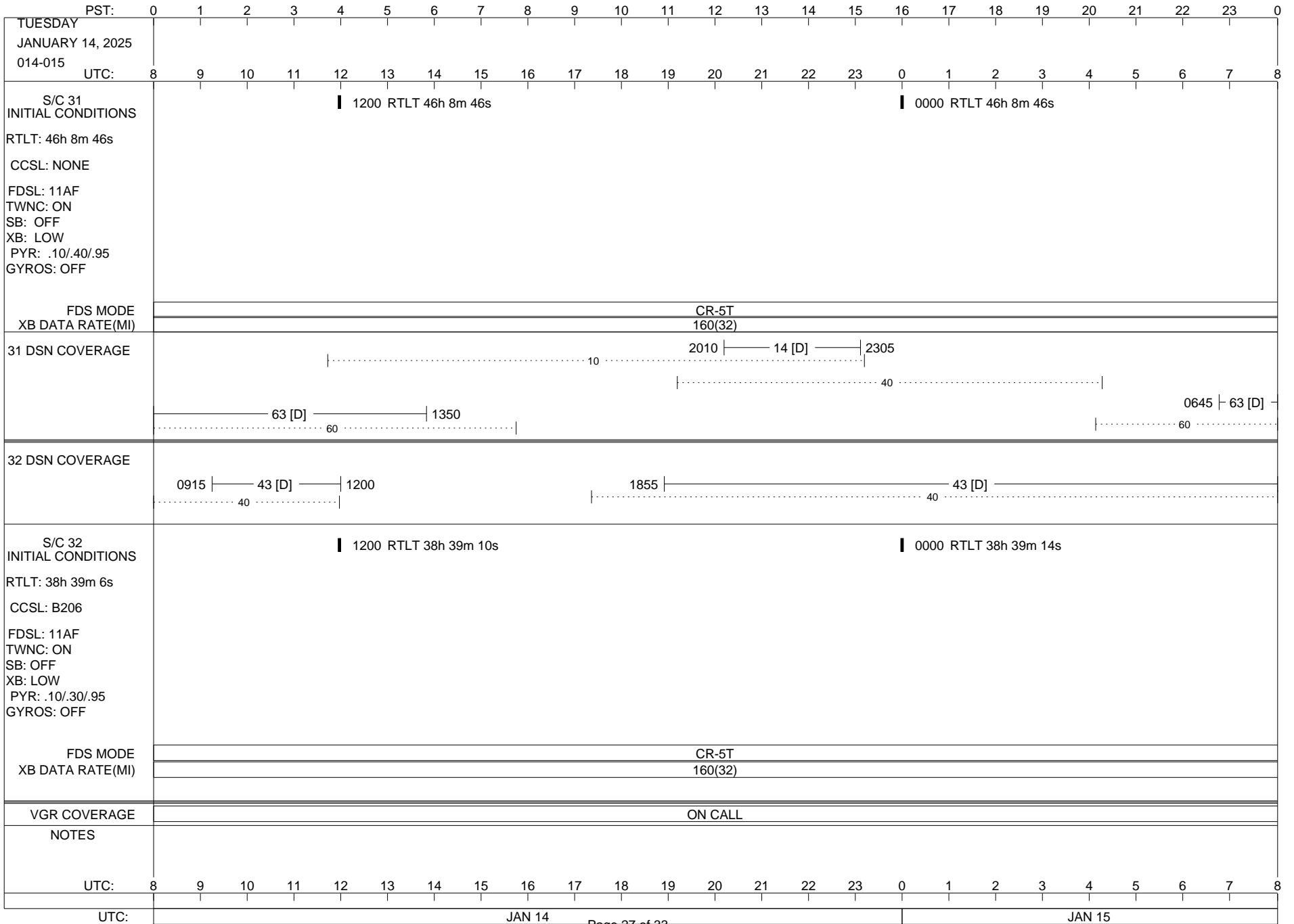
ISSUE DATE: 12/18/24 12:54



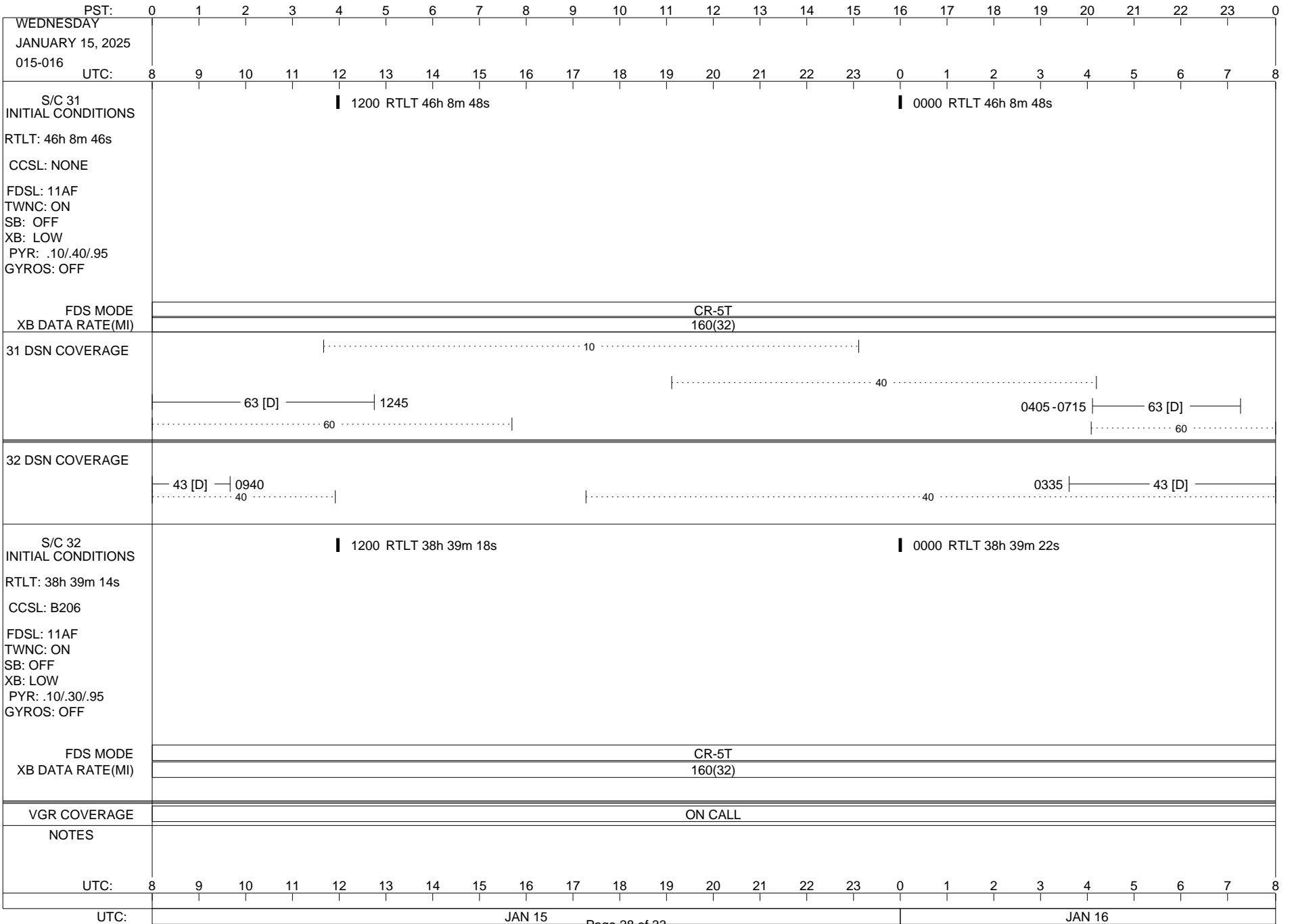
ISSUE DATE: 12/18/24 12:54



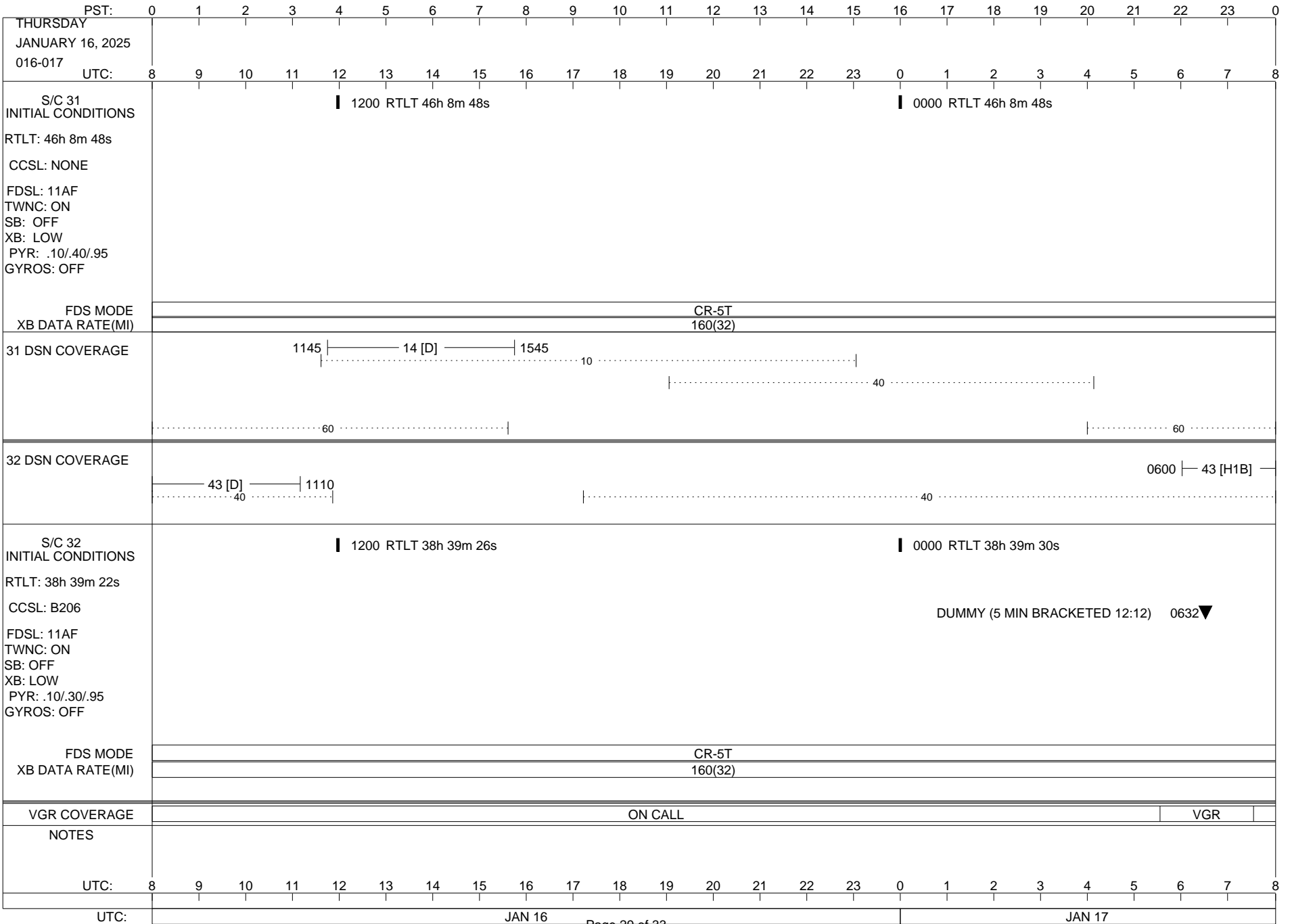
ISSUE DATE: 12/18/24 12:54



ISSUE DATE: 12/18/24 12:54



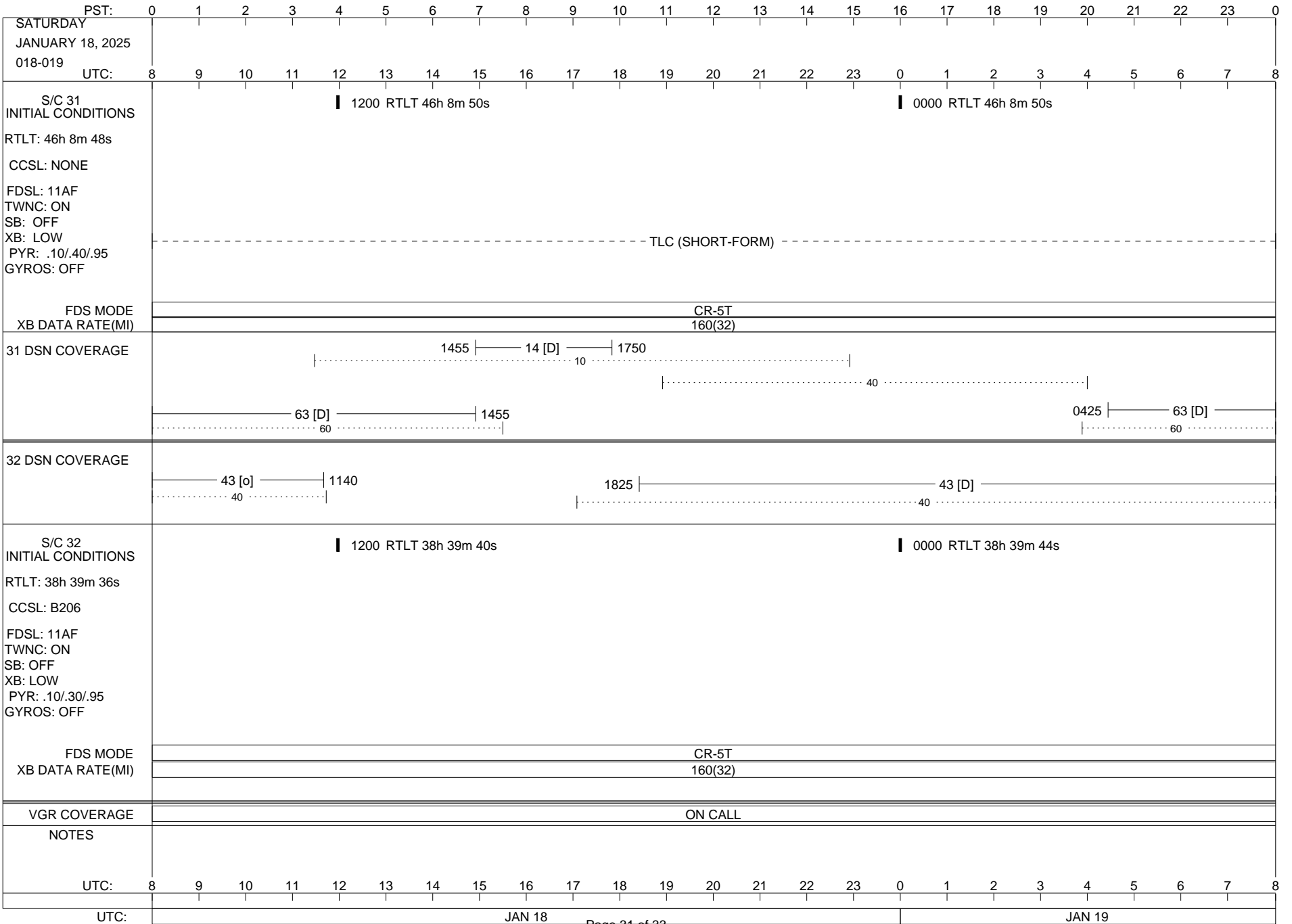
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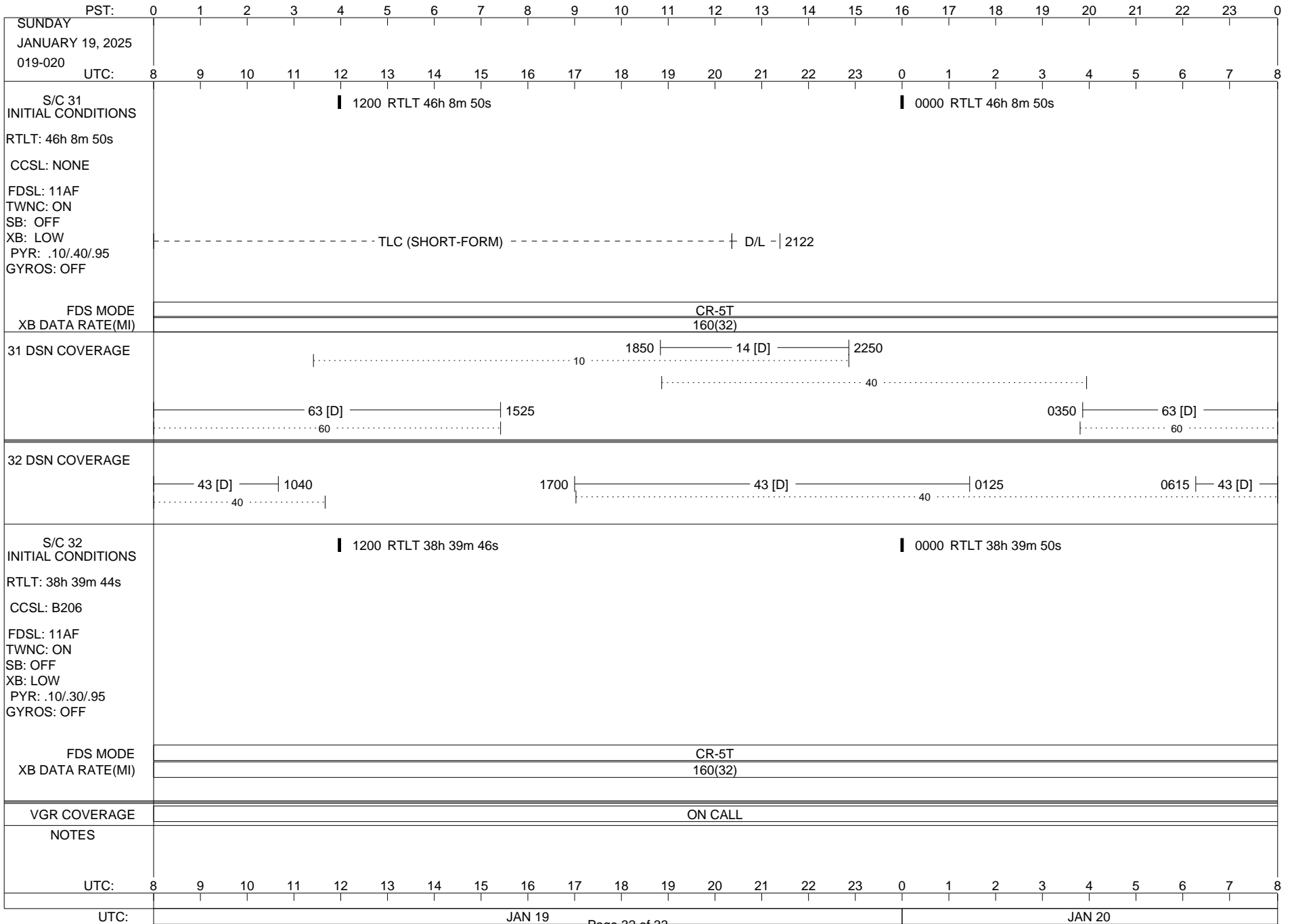
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FRIDAY JANUARY 17, 2025 017-018																													
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLT: 46h 8m 48s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF		█ 1200 RTLT 46h 8m 48s														█ 0000 RTLT 46h 8m 48s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
31 DSN COVERAGE		<p>0845  ----- 63 [D] -----  1245</p> <p>1245  ----- 14 [D] -----  1655</p> <p>2000  ----- 43 [HT] -----  0105</p> <p>0410  ----- 63 [D] ----- </p>																											
32 DSN COVERAGE		<p>43 [H1B]  -----  1145</p> <p>1725  ----- 43 [D] -----  1840</p> <p>0205  ----- 43 [o] ----- </p>																											
S/C 32 INITIAL CONDITIONS RTLT: 38h 39m 30s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF		█ 1200 RTLT 38h 39m 32s														█ 0000 RTLT 38h 39m 36s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
VGR COVERAGE		ON CALL														VGR		ON CALL											
NOTES		[1] DSS-43 HPTXR DRV OFF <= 10:15																											
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:		JAN 17														JAN 18													

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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																											
JANUARY 20, 2025																											
020-021																											
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: 46h 8m 50s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF  FDS MODE XB DATA RATE(MI)																											
CR-5T 160(32)																											
31 DSN COVERAGE 1220  ----- 14 [D] -----  1915  ----- 10 -----   ----- 40 -----  63 [D]  ----- 0920 -----   ----- 60 -----																											
32 DSN COVERAGE 43 [D]  ----- 1055 -----   ----- 40 -----  1815  ----- 43 [D] -----  2040  ----- 40 -----  0535  ----- 43 [D] -----																											
S/C 32 INITIAL CONDITIONS RTLT: 38h 39m 50s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF  FDS MODE XB DATA RATE(MI)																											
CR-5T 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: JAN 20														JAN 21													