

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 5, 2024

For the Period: 12/05/24 to 12/23/24 (24/340 – 24/358)

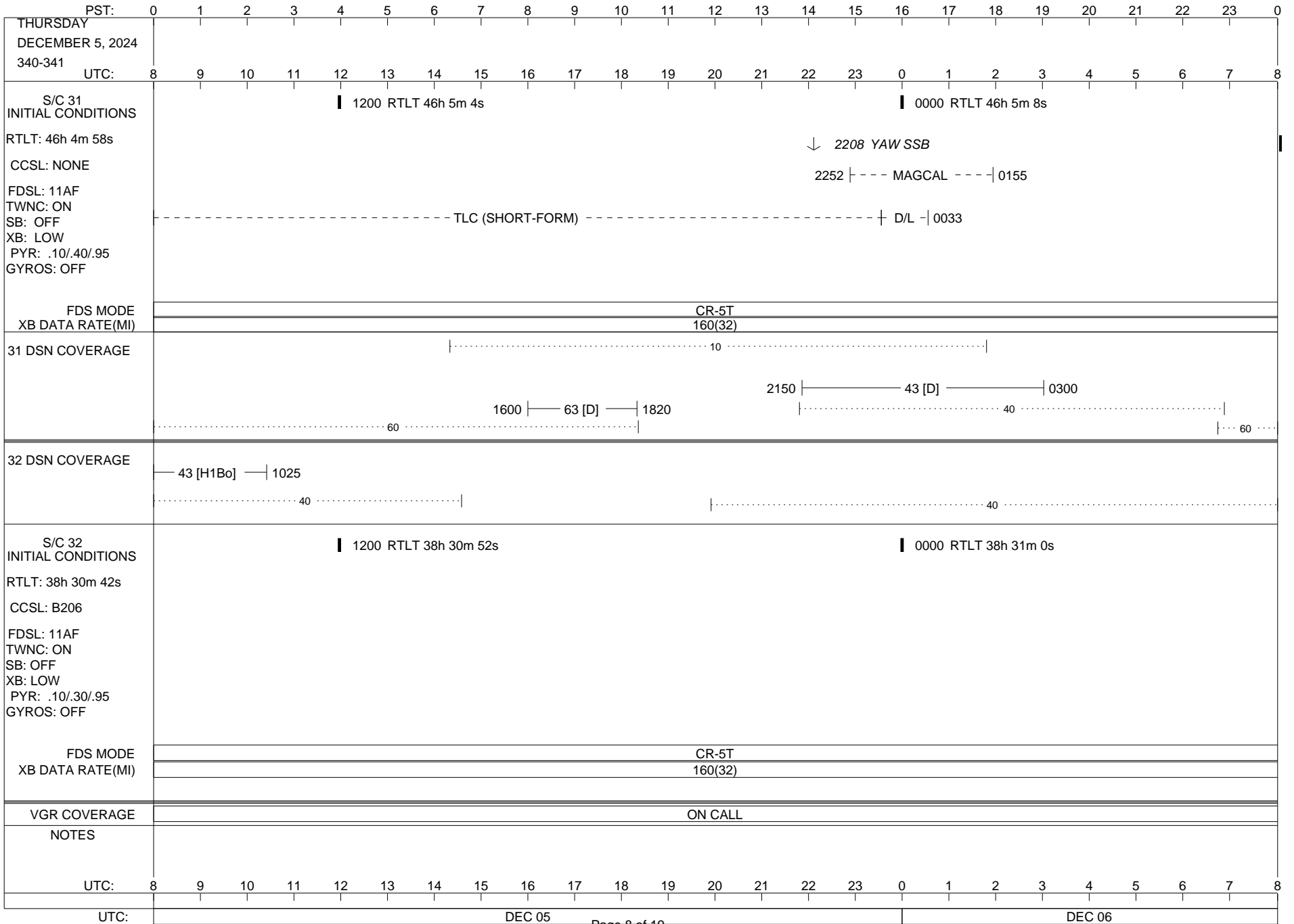


Posted at <https://voyager.jpl.nasa.gov/mission/status/>

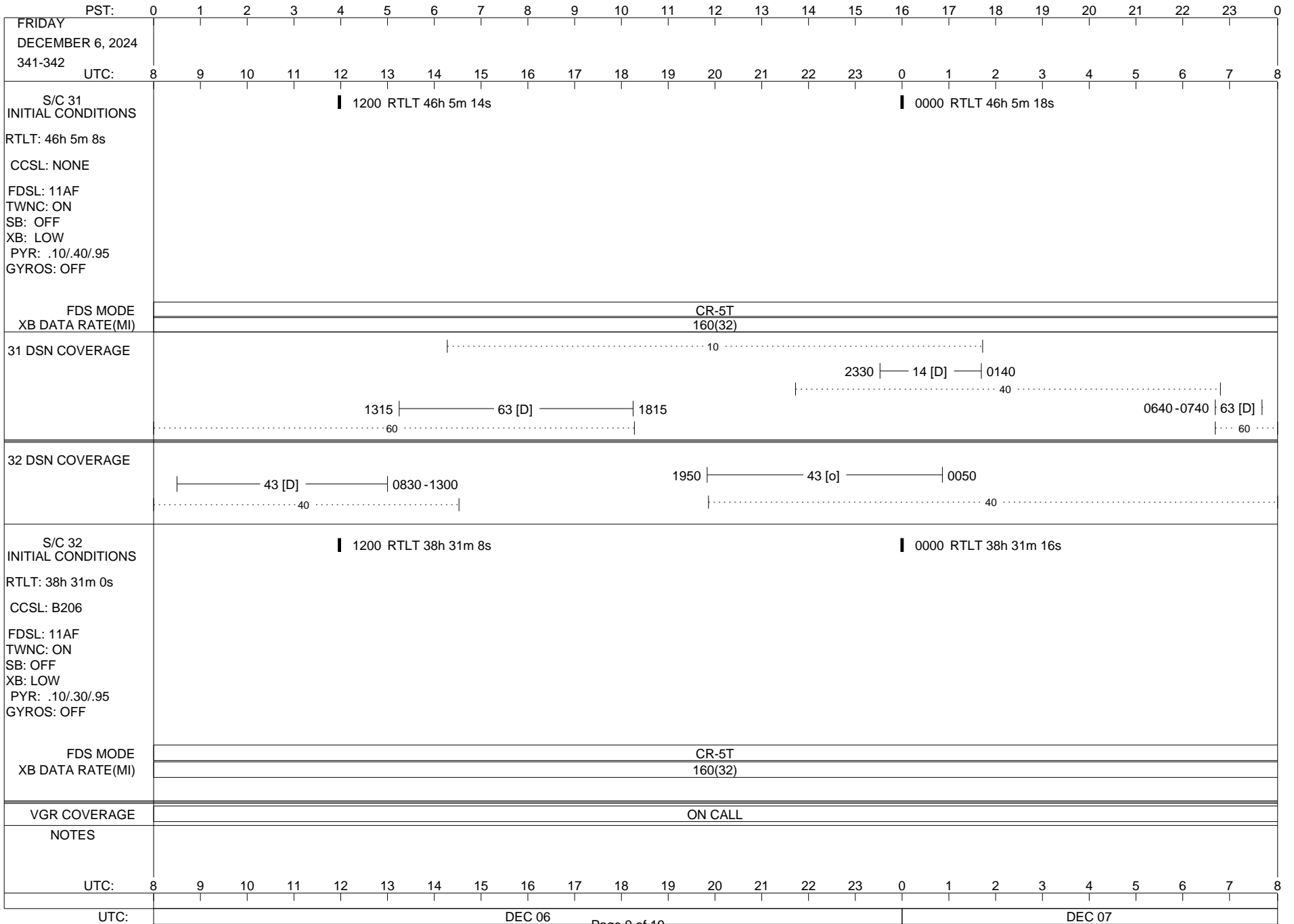
LEGEND:

- ▽ = 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

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ISSUE DATE: 12/05/24 12:24

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

SATURDAY
DECEMBER 7, 2024
342-343
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 5m 18s
CCSL: NONE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.40/.95
GYROS: OFF

1200 RTLT 46h 5m 24s 0000 RTLT 46h 5m 28s

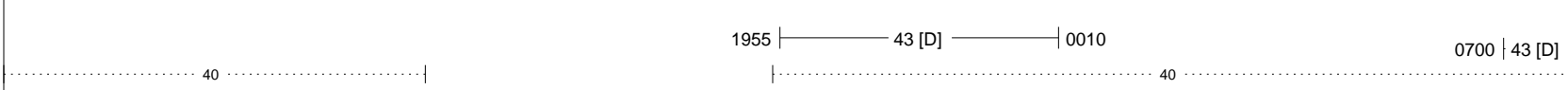
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 38h 31m 16s
CCSL: B206
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.30/.95
GYROS: OFF

1200 RTLT 38h 31m 24s 0000 RTLT 38h 31m 32s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

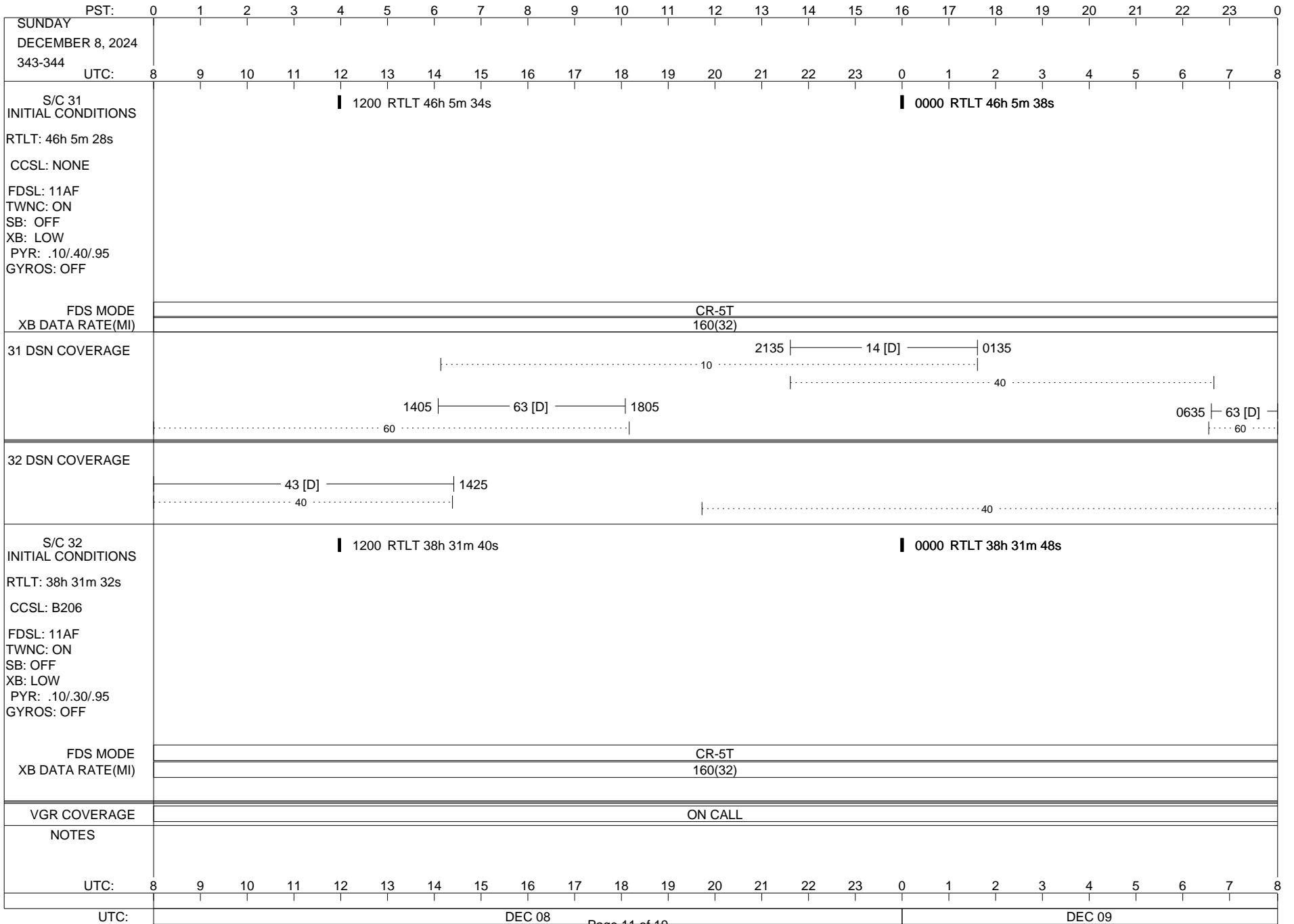
ON CALL

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 07 Page 10 of 19 DEC 08

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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 DECEMBER 9, 2024 344-345																										
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 5m 38s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF	1200 RTLT 46h 5m 44s												0000 RTLT 46h 5m 48s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1430 ----- 14 [D] ----- 1830 ----- 10 -----												----- 40 ----- 63 [D] ----- 1035 ----- 60 -----													
32 DSN COVERAGE	43 [D] ----- 0805-1350 ----- 40 -----												0355-0755 ----- 34 [DAR] ----- 0355-0755 ----- 43 [DA] ----- ----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLTL: 38h 31m 48s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLT 38h 31m 56s												0000 RTLT 38h 32m 4s													
FDS MODE	CR-5T												EL-40				CR-5T									
XB DATA RATE(MI)	160(32)												40(30)				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 09												DEC 10													

ISSUE DATE: 12/05/24 12:24

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 10, 2024

345-346 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 5m 52s

0000 RTLT 46h 5m 56s

RTLT: 46h 5m 48s

CCSL: NONE

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.40/.95
GYROS: OFF

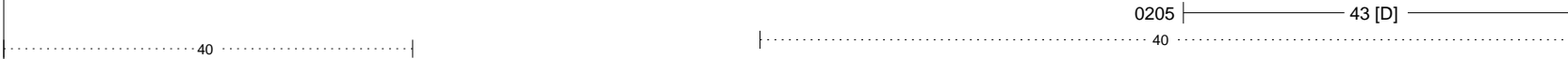
FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS

1200 RTLT 38h 32m 12s

0000 RTLT 38h 32m 20s

RTLT: 38h 32m 4s

CCSL: B206

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.30/.95
GYROS: OFF

0201 |--- MAGCAL ---| 0504
0201 |--- PESCAL ---| 0521

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 10 Page 13 of 19 DEC 11

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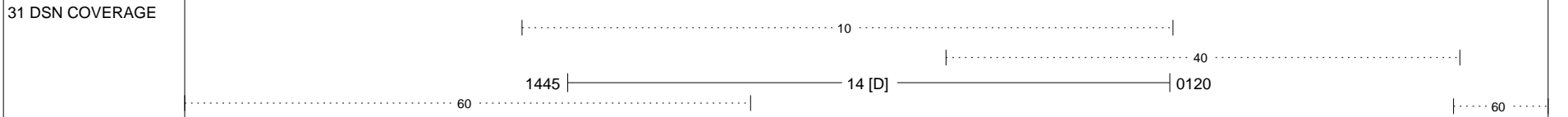
PST: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

WEDNESDAY
DECEMBER 11, 2024
346-347 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 5m 56s
CCSL: NONE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.40/.95
GYROS: OFF

1200 RTLTL 46h 6m 2s 0000 RTLTL 46h 6m 6s

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



S/C 32
INITIAL CONDITIONS
RTLTL: 38h 32m 20s
CCSL: B206
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.30/.95
GYROS: OFF

1200 RTLTL 38h 32m 28s 0000 RTLTL 38h 32m 36s

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: DEC 11 Page 14 of 19 DEC 12

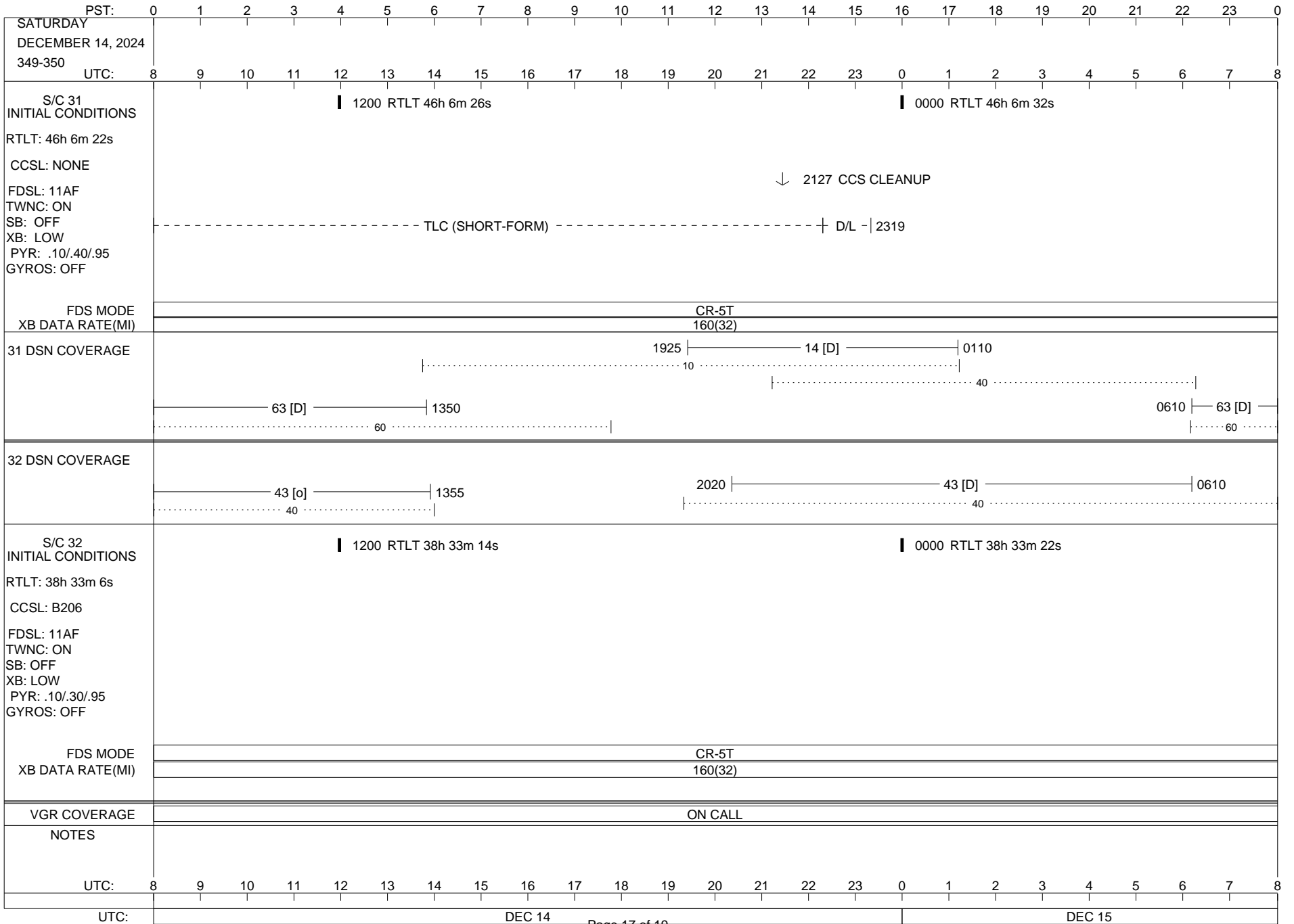
ISSUE DATE: 12/05/24 12:24

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 12, 2024 347-348																											
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 6m 6s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF	1200 RTLTL 46h 6m 10s											0000 RTLTL 46h 6m 14s															
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	60											1600 63 [D] 1745 2200 43 [HT] 0200 40 60															
32 DSN COVERAGE	40											0920 43 [D] 1330 0615 43 [H1] 40															
S/C 32 INITIAL CONDITIONS RTLTL: 38h 32m 36s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLTL 38h 32m 44s											0000 RTLTL 38h 32m 52s															
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
VGR COVERAGE	ON CALL											VGR			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 12													DEC 13													

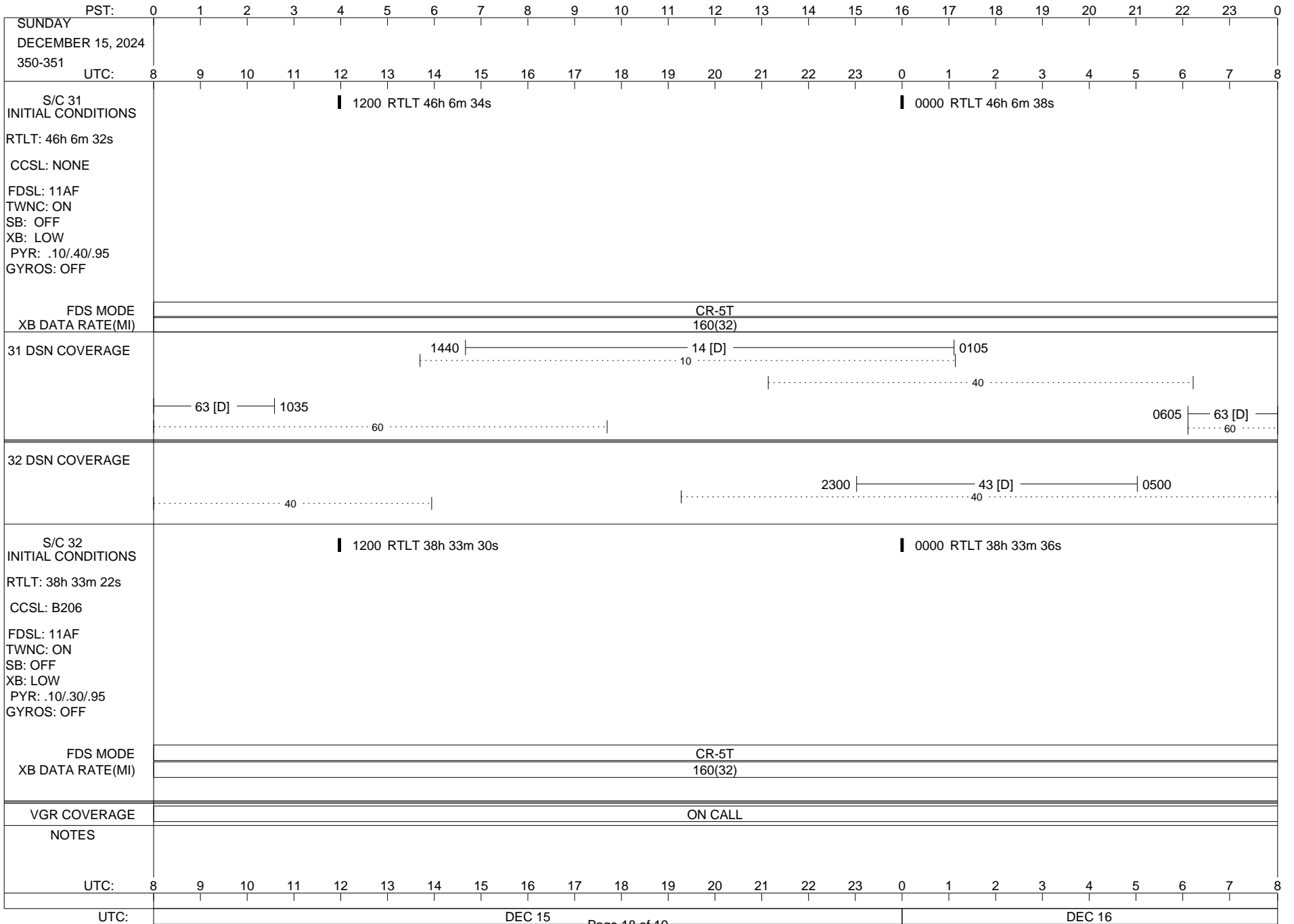
ISSUE DATE: 12/05/24 12:24

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FRIDAY DECEMBER 13, 2024 348-349		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 6m 14s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF				1200 RTLT 46h 6m 18s											0000 RTLT 46h 6m 22s														
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)																
31 DSN COVERAGE				1255 ----- 63 [D] ----- 1725											2330 --- 14 [D] --- 0115														
32 DSN COVERAGE				43 [H1] ----- 1235											0240 ----- 43 [D] ----- 0645														
S/C 32 INITIAL CONDITIONS RTLT: 38h 32m 52s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF				1200 RTLT 38h 33m 0s											0000 RTLT 38h 33m 6s														
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)																
VGR COVERAGE		VGR											ON CALL																
NOTES		[1] DSS-43 HP TXR DRV OFF <= 12:50																											
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 13														DEC 14													

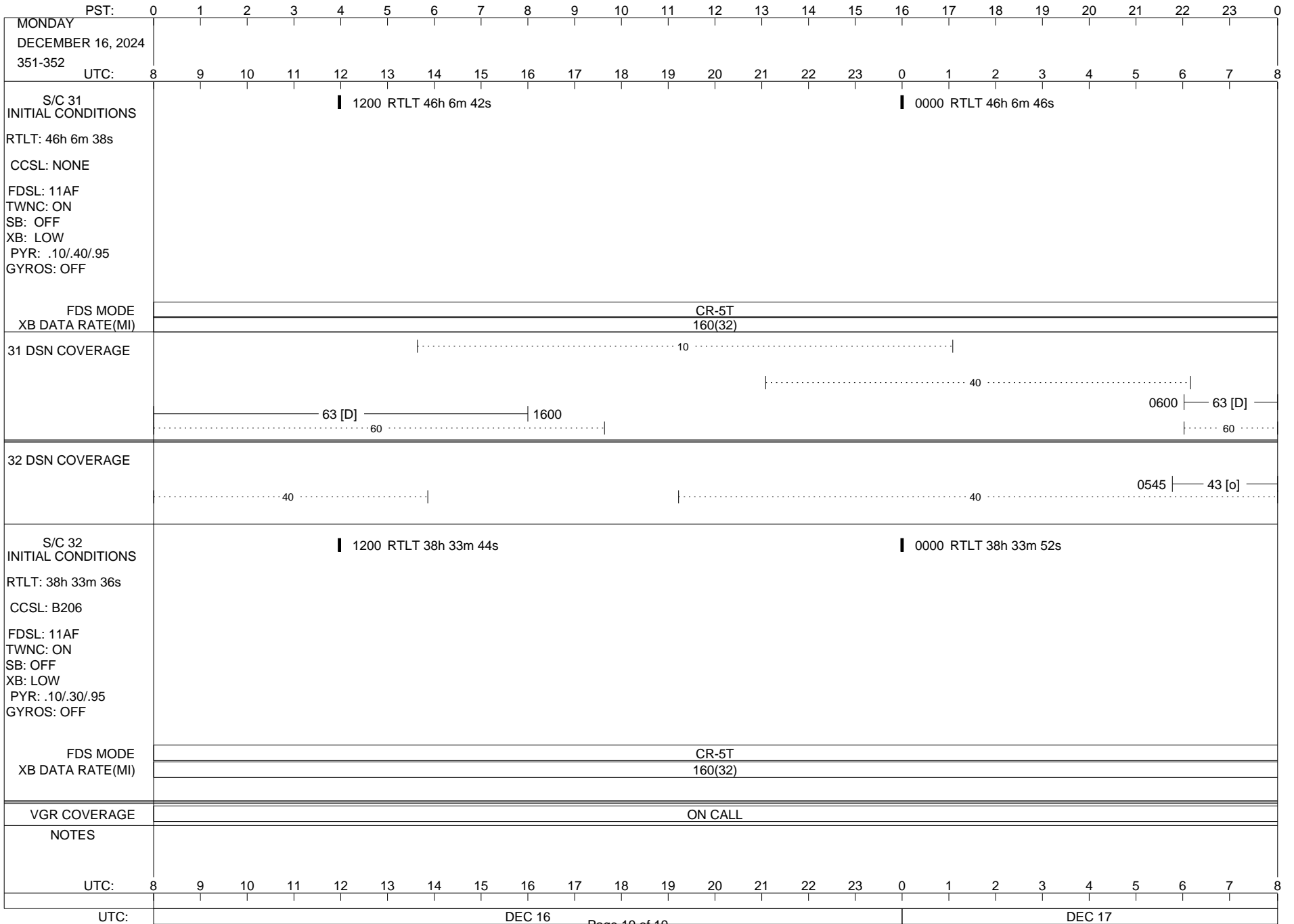
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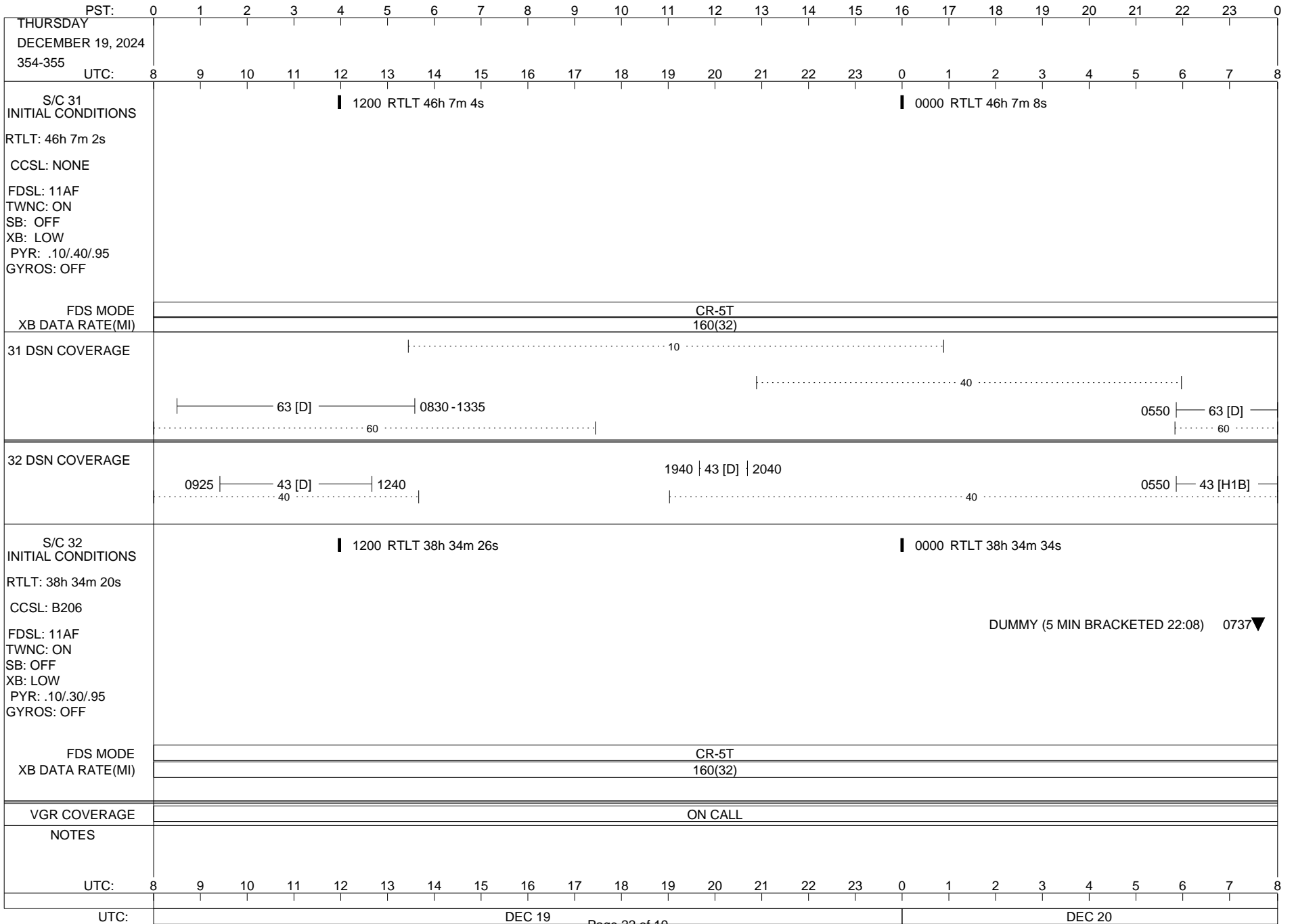
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PST:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0				
TUESDAY																														
DECEMBER 17, 2024																														
352-353																														
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8				
S/C 31 INITIAL CONDITIONS		1200 RTLT 46h 6m 50s												0000 RTLT 46h 6m 54s																
RTLT: 46h 6m 46s																														
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 33m 58s												0000 RTLT 38h 34m 6s																
RTLT: 38h 33m 52s																														
CCSL: B206																														
FDSL: 11AF																														
TWNC: ON																														
SB: OFF																														
XB: LOW																														
PYR: .10/.30/.95																														
GYROS: OFF																														
FDS MODE														EL-40 2351↓					CR-5T 0634↓											
XB DATA RATE(MI)														CR-5T 160(32)					EL-40 40(30)							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 17												DEC 18																

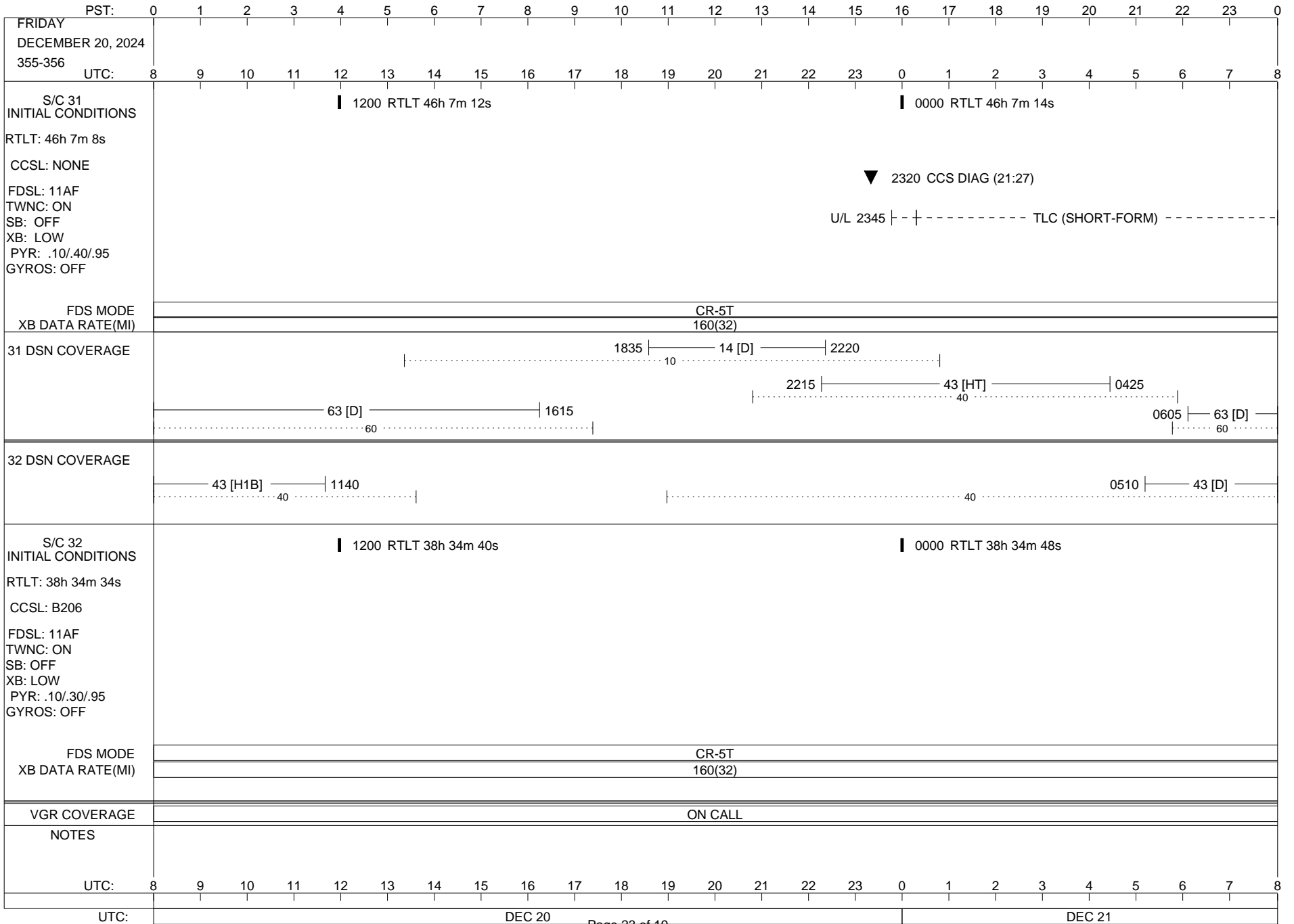
ISSUE DATE: 12/05/24 12:24

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 18, 2024 353-354																										
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 6m 54s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF					█	1200	RTLT 46h 6m 58s																			
FDS MODE XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 38h 34m 6s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF					█	1200	RTLT 38h 34m 12s																			
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 18													DEC 19												

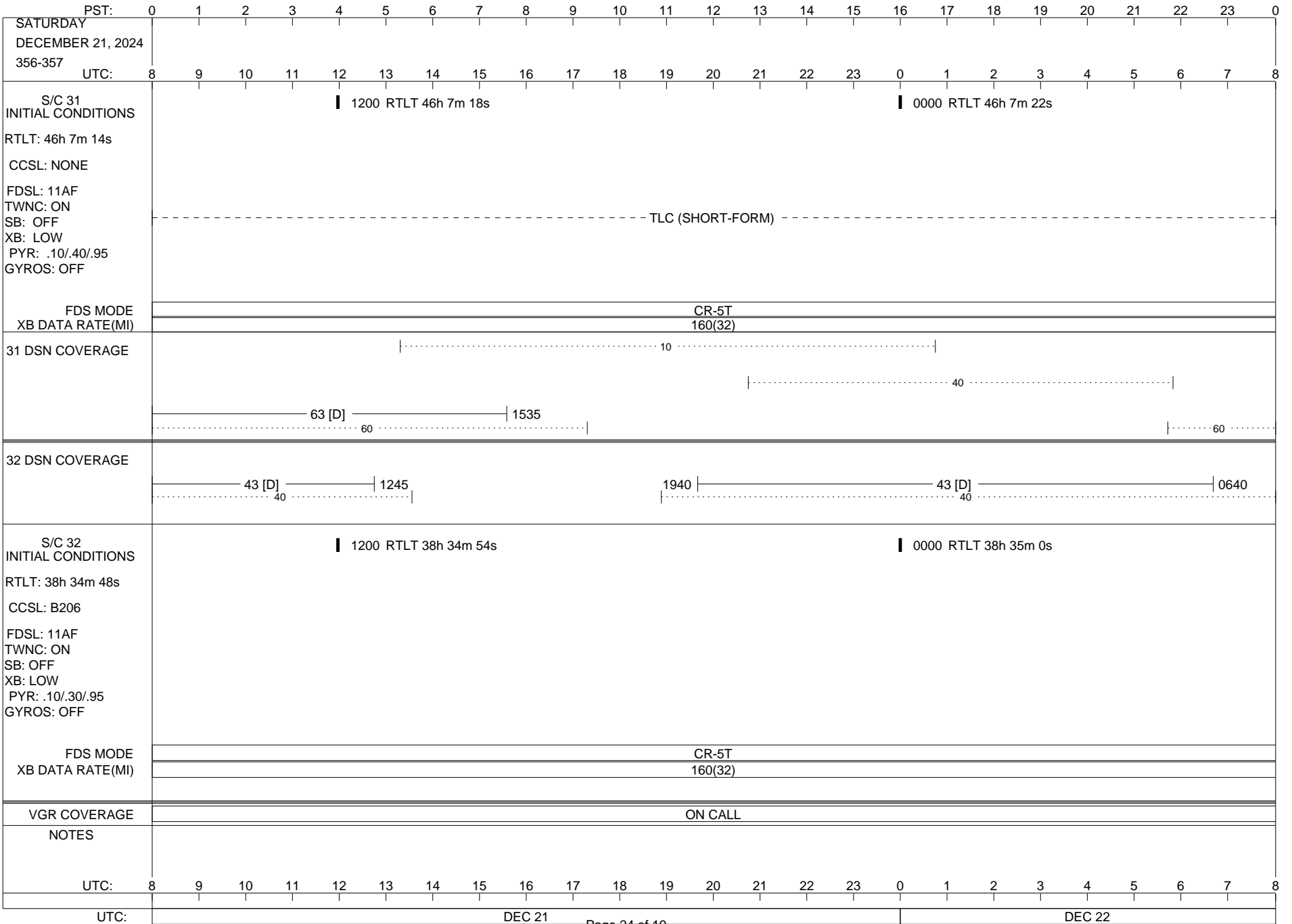
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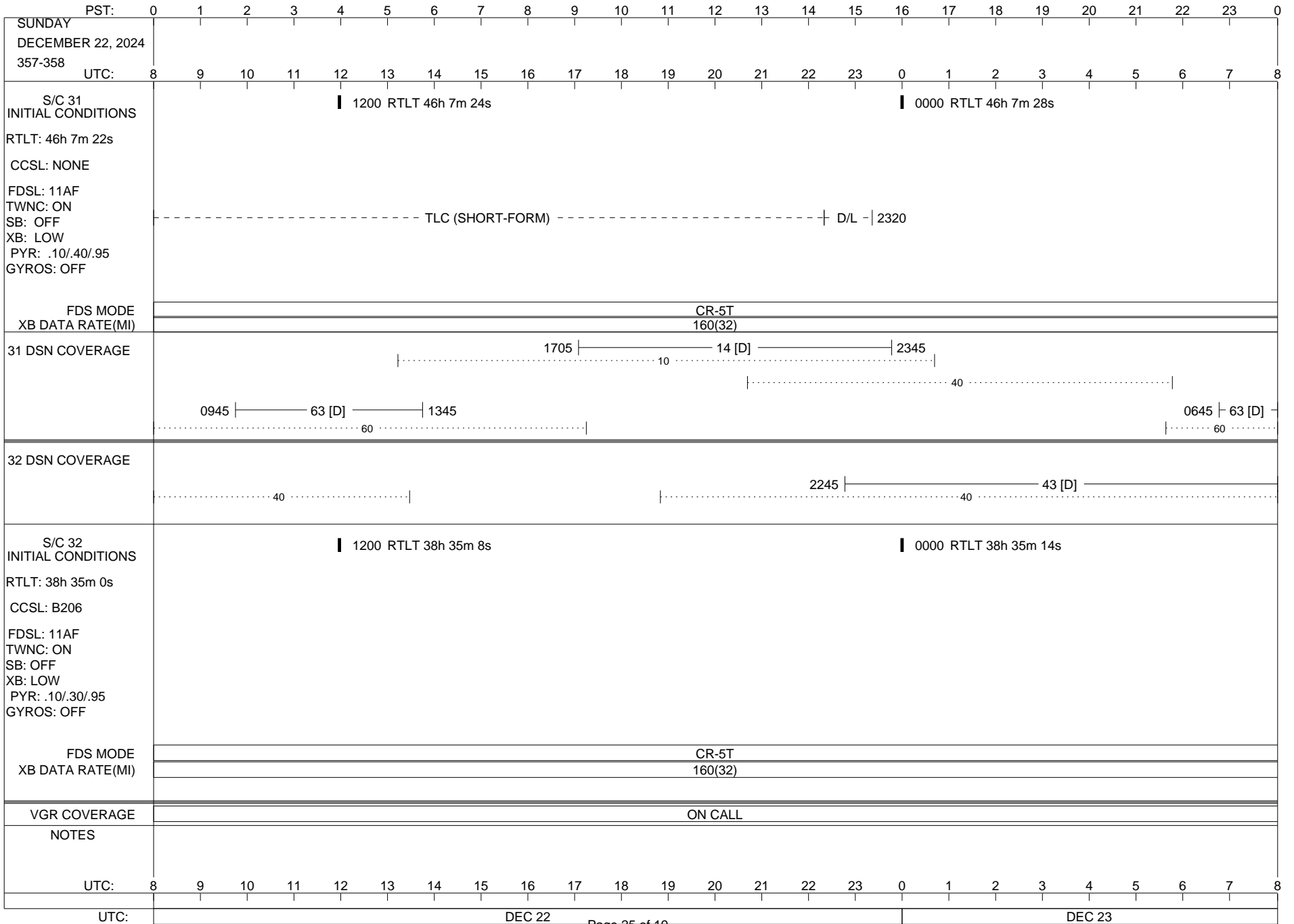
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