

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 20, 2023

For the Period: 12/21/23 to 01/15//24 (23/355 – 24/015)



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

LEGEND:

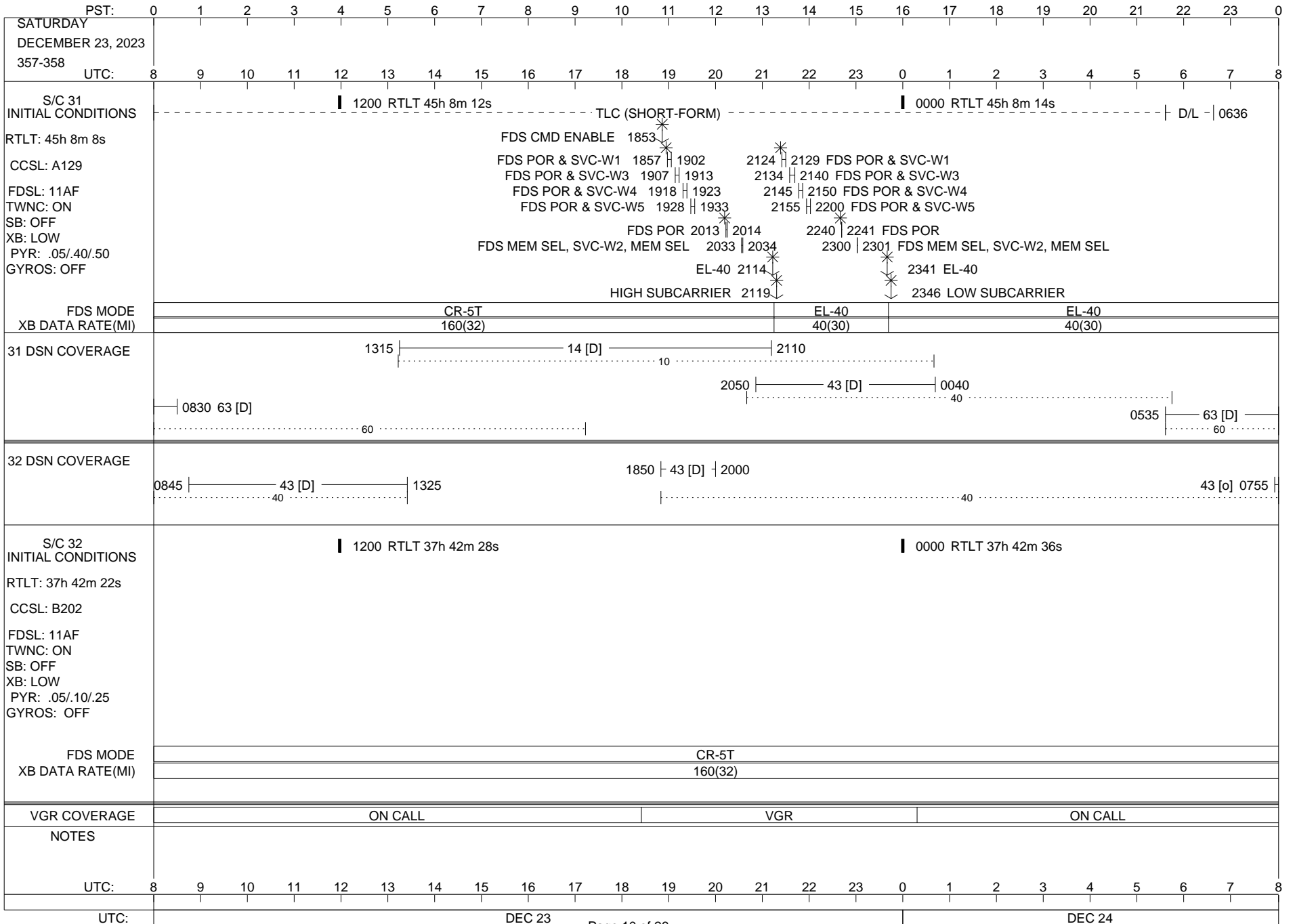
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

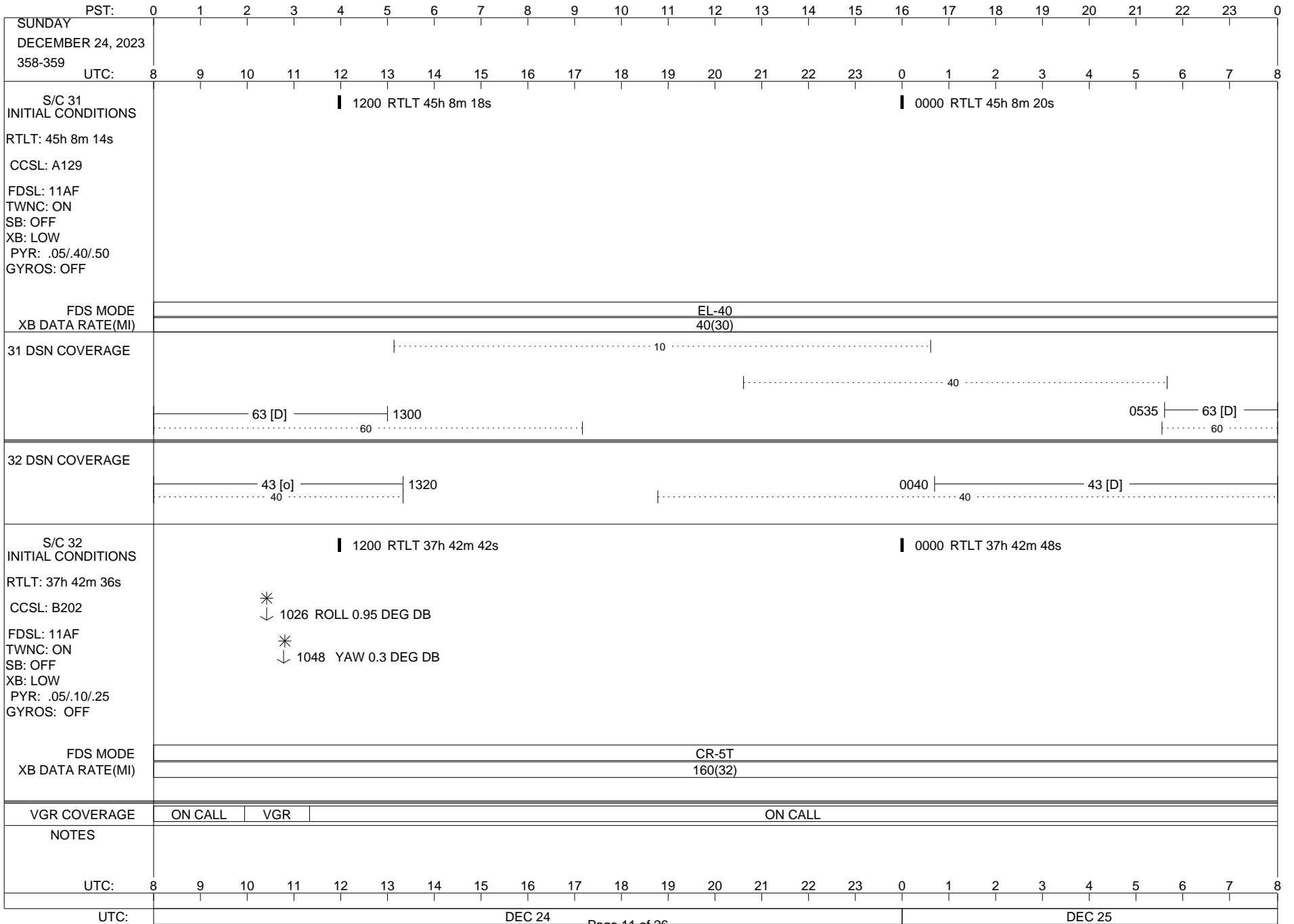
ISSUE DATE: 01/03/24 08:56

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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	1200 RTLTL 45h 7m 58s												0000 RTLTL 45h 8m 2s															
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE																												
32 DSN COVERAGE																												
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	1200 RTLTL 37h 42m 2s												0000 RTLTL 37h 42m 8s															
FDS MODE															CR-5T													
XB DATA RATE(MI)															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 21																					DEC 22						

ISSUE DATE: 01/03/24 08:56

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 DECEMBER 22, 2023 356-357	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 2s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLTL 45h 8m 6s												0000 RTLTL 45h 8m 8s												
U/L	0800-																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1320 ----- 14 [D] ----- 1545												10 ----- 40 ----- 0540 ----- 63 [D] -----												
	63 [T] ----- 0950												60 ----- 60 -----												
32 DSN COVERAGE	1005 ----- 43 [D] ----- 1330												1915 ----- 43 [H1] ----- 2300												
	40 ----- 40 -----																								
S/C 32 INITIAL CONDITIONS RTLTL: 37h 42m 8s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 42m 16s												0000 RTLTL 37h 42m 22s												
													▼ 2043 ROLL 0.95 DEG DB (10:25) ▼ 2105 YAW 0.3 DEG DB (10:47)												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES	[1] DSS-43 HPTXR DRV ON >= 20:25																								
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
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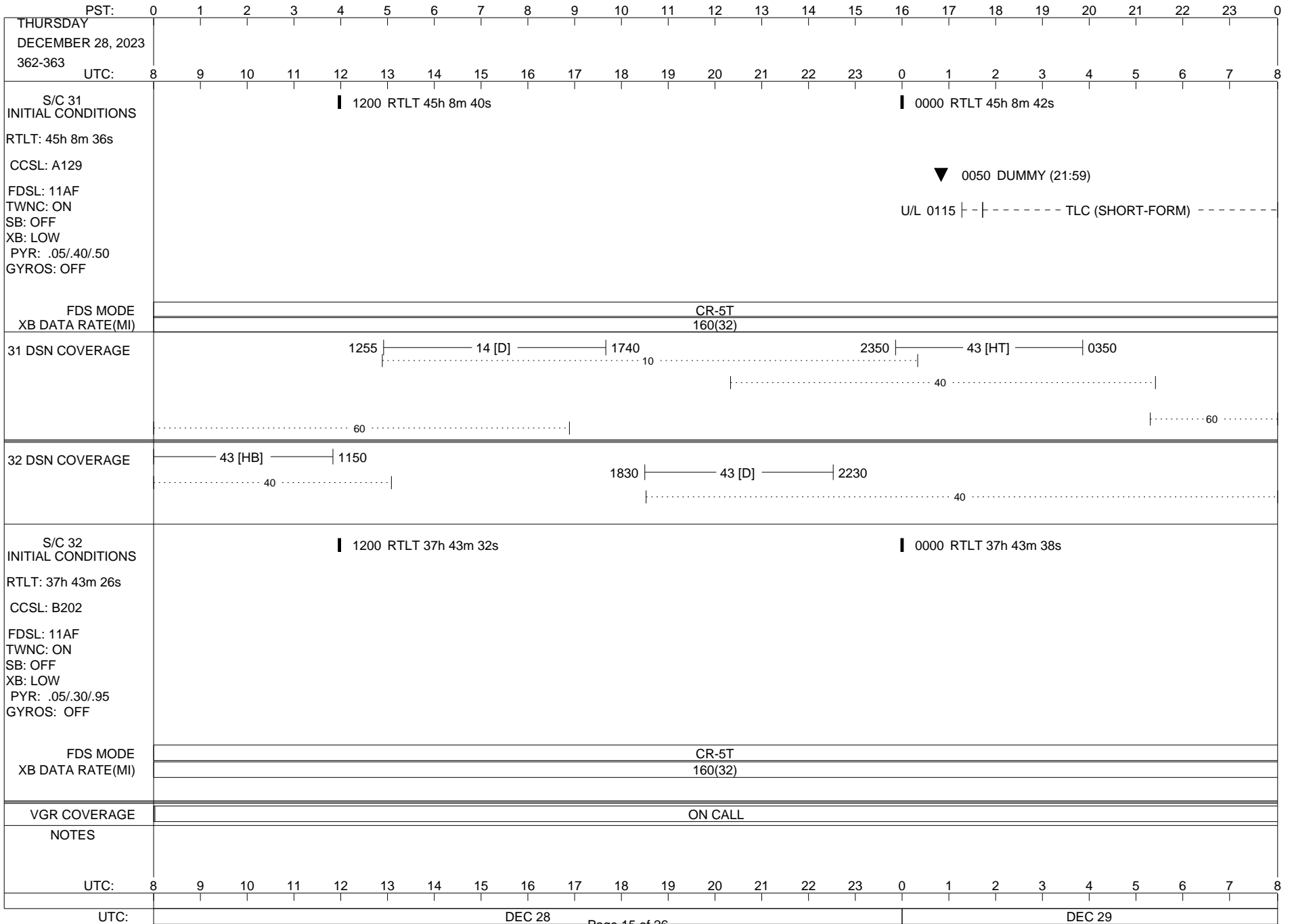
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MONDAY																											
DECEMBER 25, 2023																											
359-360		UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS							█	1200	RTLTL	45h	8m	24s								█	0000	RTLTL	45h	8m	26s		
RTLTL: 45h 8m 20s																											
CCSL: A129																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.40/.50																											
GYROS: OFF																											
FDS MODE																											
XB DATA RATE(MI)																											
31 DSN COVERAGE								1305		14 [D]		1705		10		40		0530		63 [D]		60		60			
32 DSN COVERAGE								43 [D]		1315		1940		43 [D]		0050		40									
S/C 32 INITIAL CONDITIONS							█	1200	RTLTL	37h	42m	54s							█	0000	RTLTL	37h	43m	0s			
RTLTL: 37h 42m 48s																											
CCSL: B202																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.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:																											

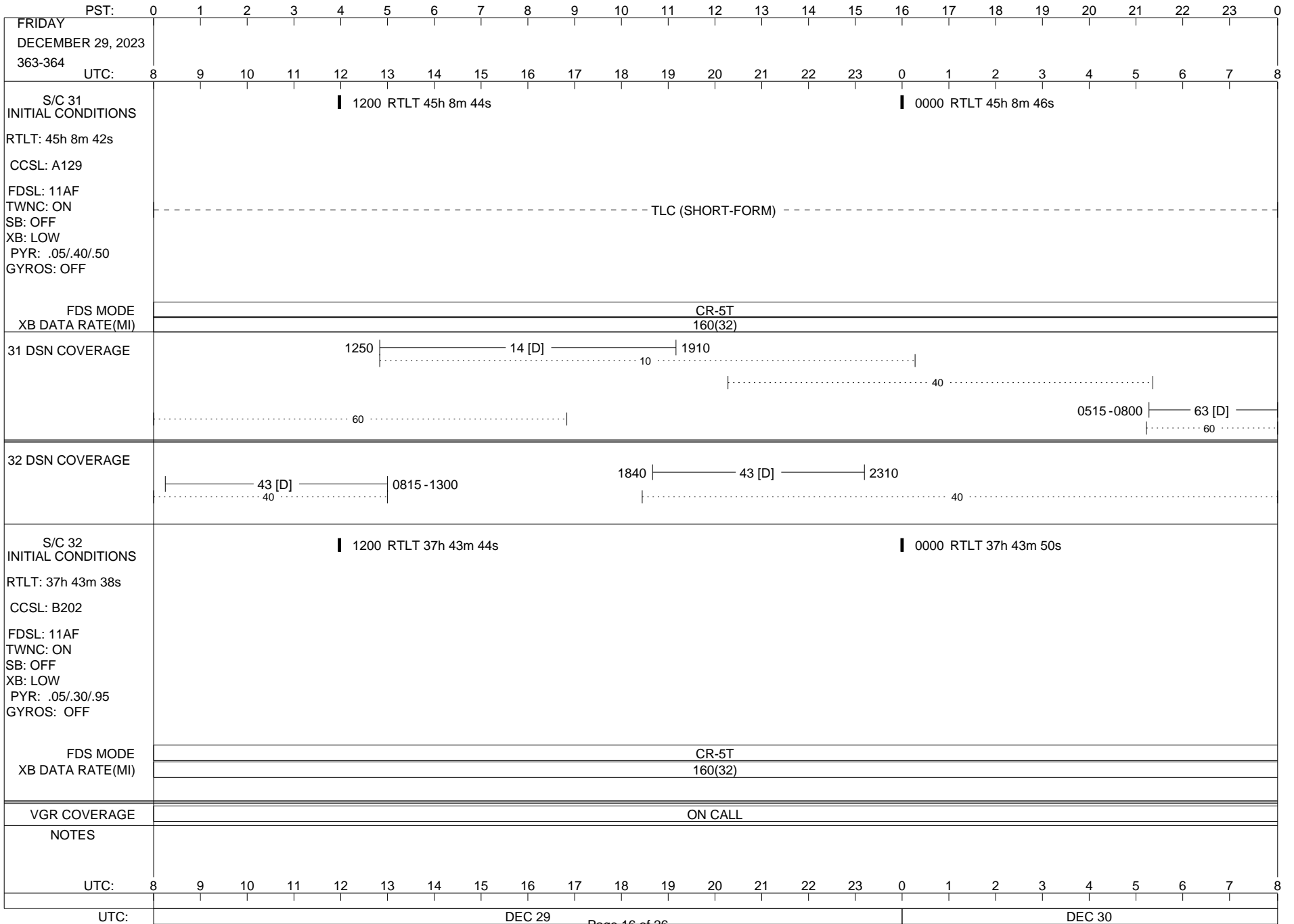
JPL HOLIDAY!

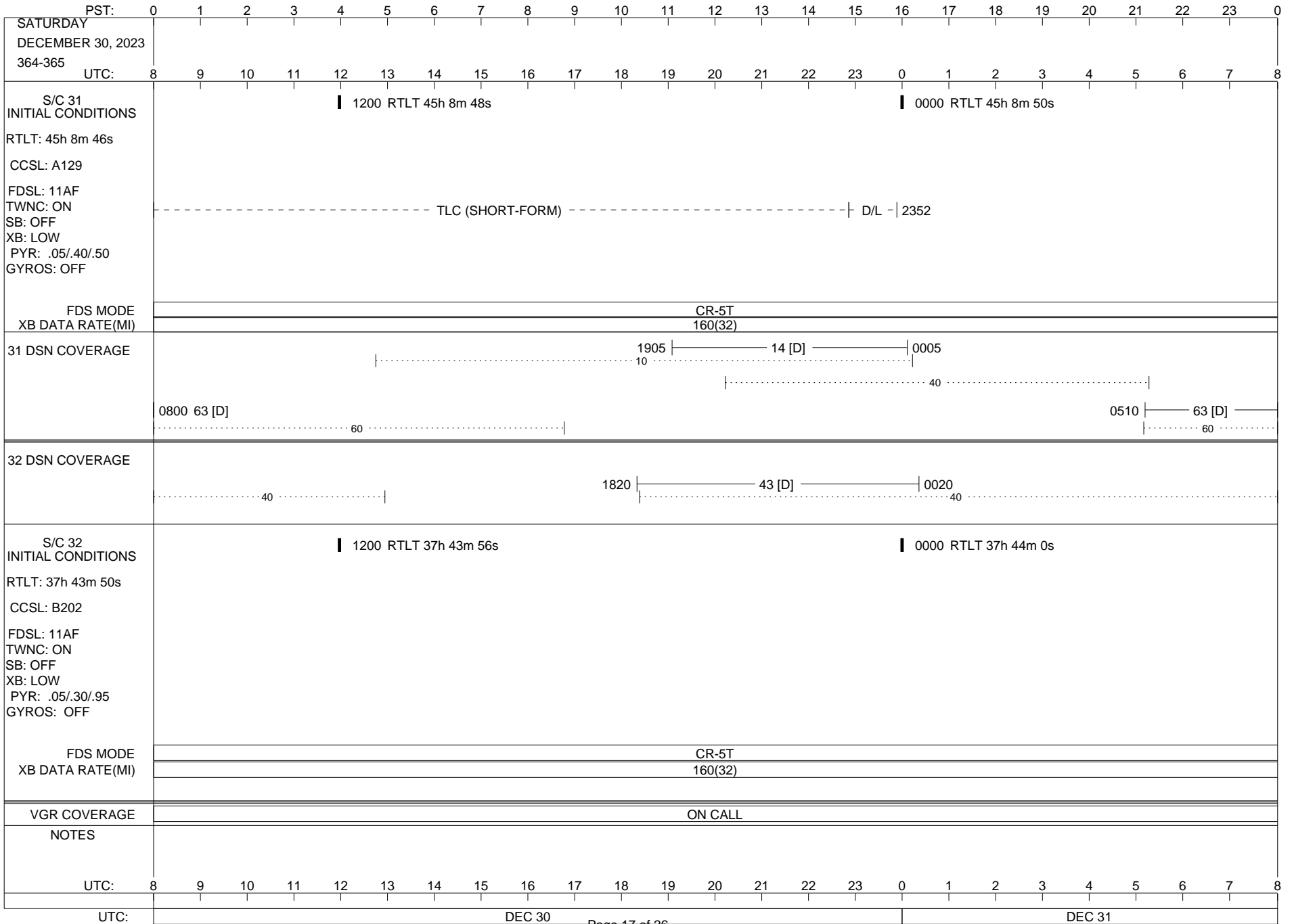
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DECEMBER 26, 2023																									
360-361		UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8																							
S/C 31 INITIAL CONDITIONS		1200 RTLT 45h 8m 28s												0000 RTLT 45h 8m 32s											
RTLTL: 45h 8m 26s																									
CCSL: A129																									
FDSL: 11AF		2252 2253 PWS/RH																							
TWNC: ON																									
SB: OFF																									
XB: LOW																									
PYR: .05/.40/.50																									
GYROS: OFF																									
FDS MODE		EL-40												CR-5T											
XB DATA RATE(MI)		40(30)												160(32)											
31 DSN COVERAGE		<p>.....10.....</p> <p>.....40.....</p> <p>63 [D] 0955 0530 63 [D] </p> <p>.....60.....60.....</p>																							
32 DSN COVERAGE		<p>0915 43 [D] 1315 1855 43 [o] 2340</p> <p>.....40.....40.....</p>																							
S/C 32 INITIAL CONDITIONS		1200 RTLT 37h 43m 8s												0000 RTLT 37h 43m 14s											
RTLTL: 37h 43m 0s																									
CCSL: B202																									
FDSL: 11AF																									
TWNC: ON																									
SB: OFF																									
XB: LOW																									
PYR: .05/.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 26												DEC 27											

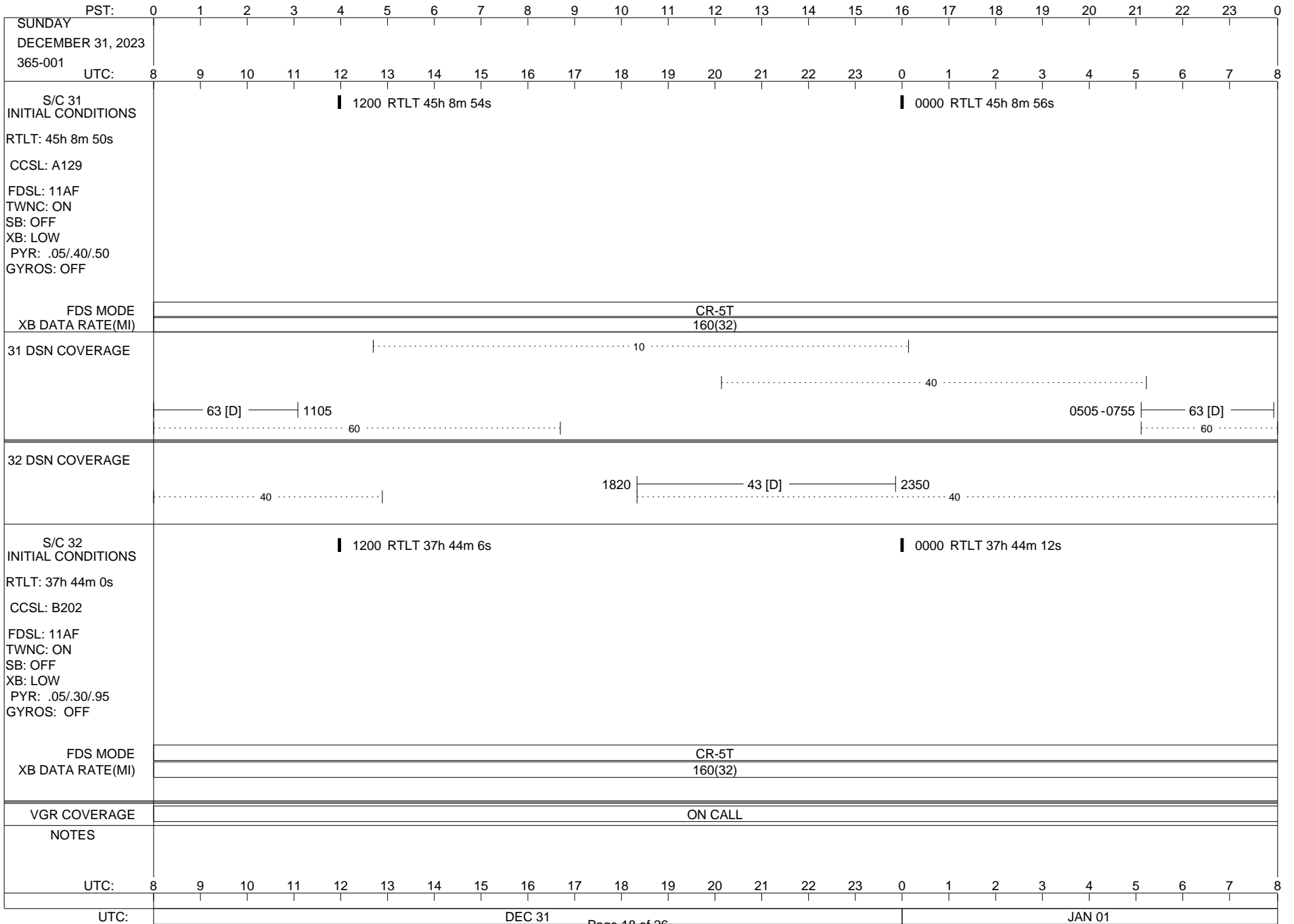
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WEDNESDAY DECEMBER 27, 2023 361-362																									
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S/C 31 INITIAL CONDITIONS RTLT: 45h 8m 32s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLT 45h 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 -----												0520-0715 ----- 63 [D] ----- ----- 60 -----												
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																					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
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ISSUE DATE: 01/03/24 08:56



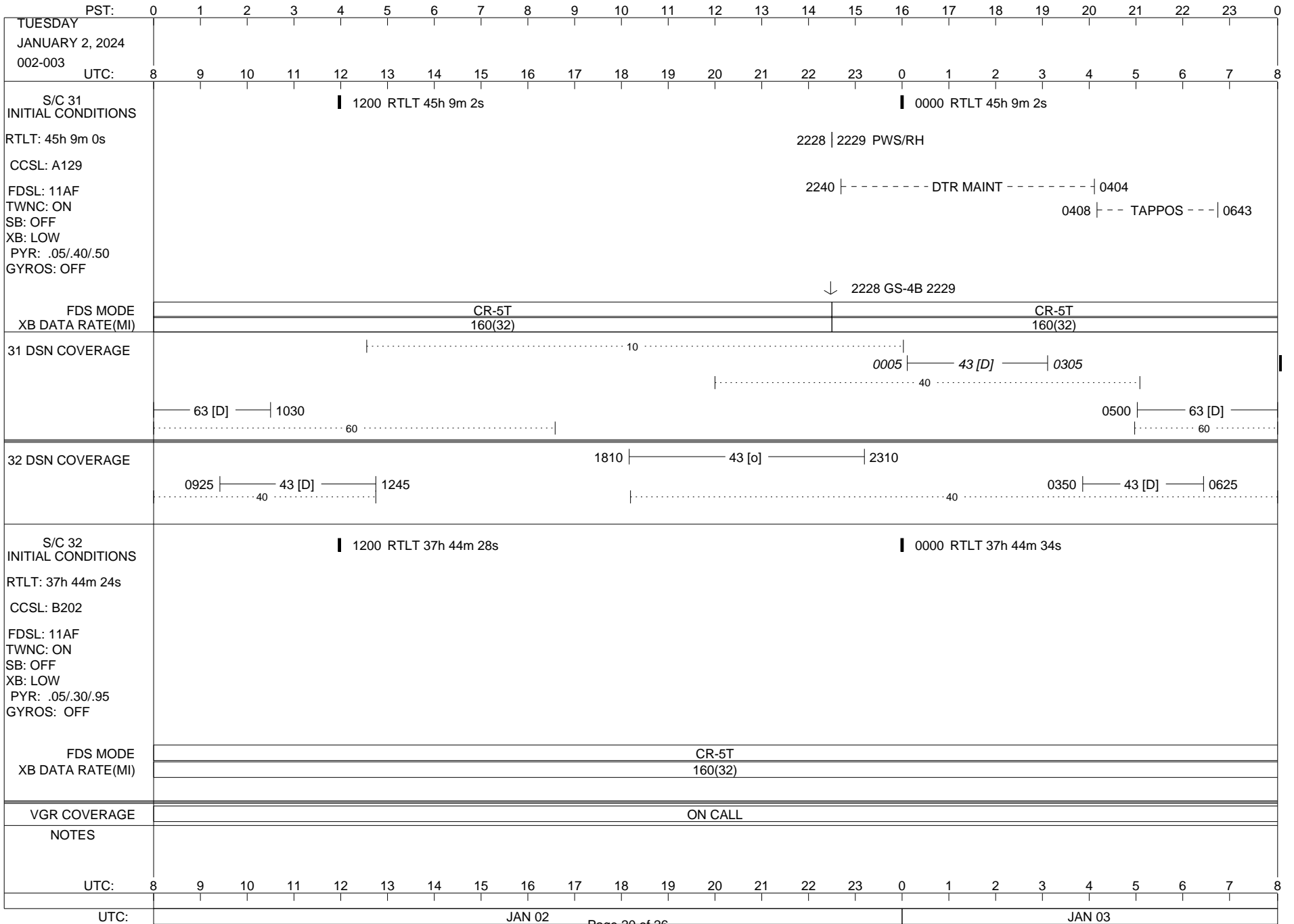


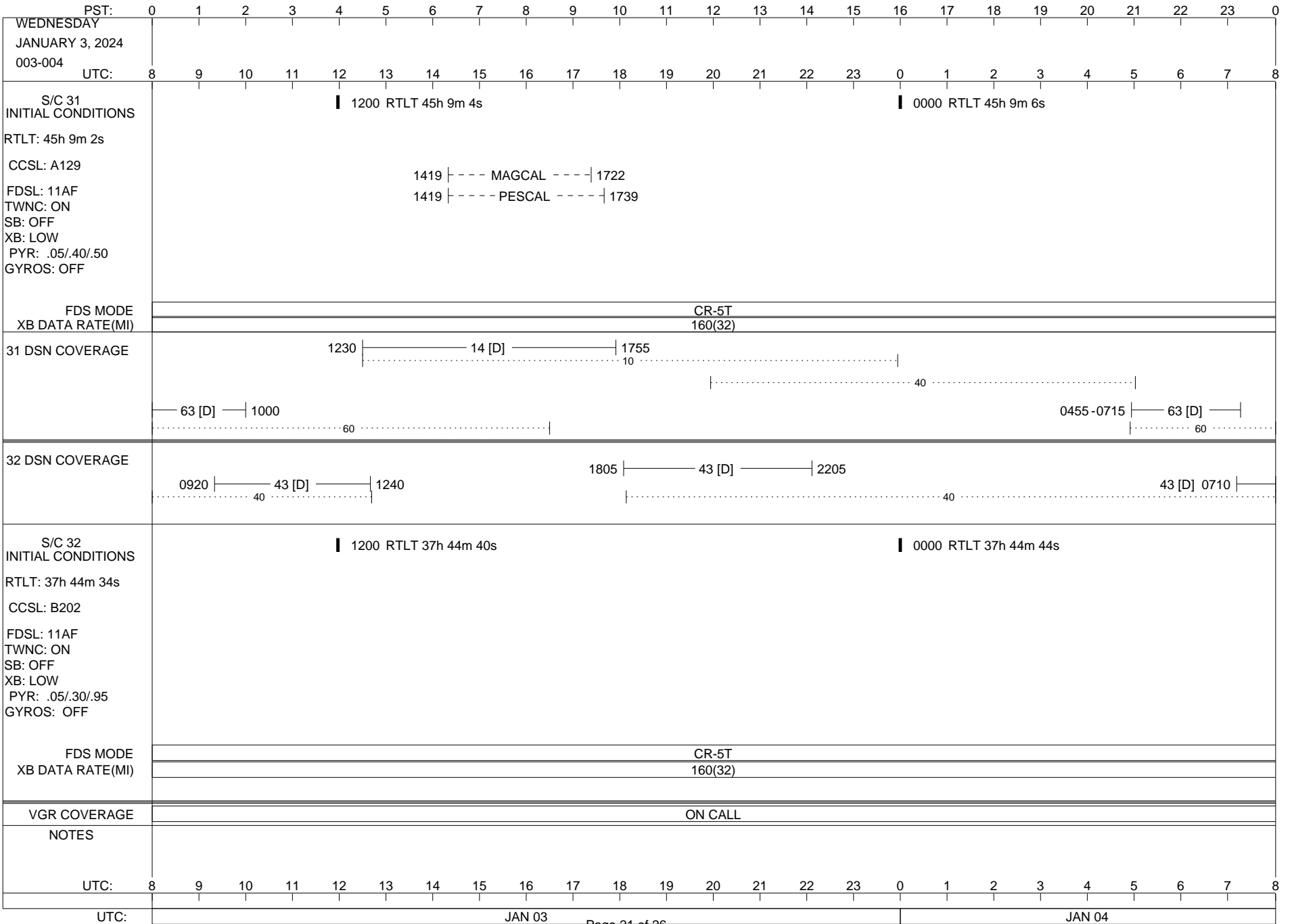


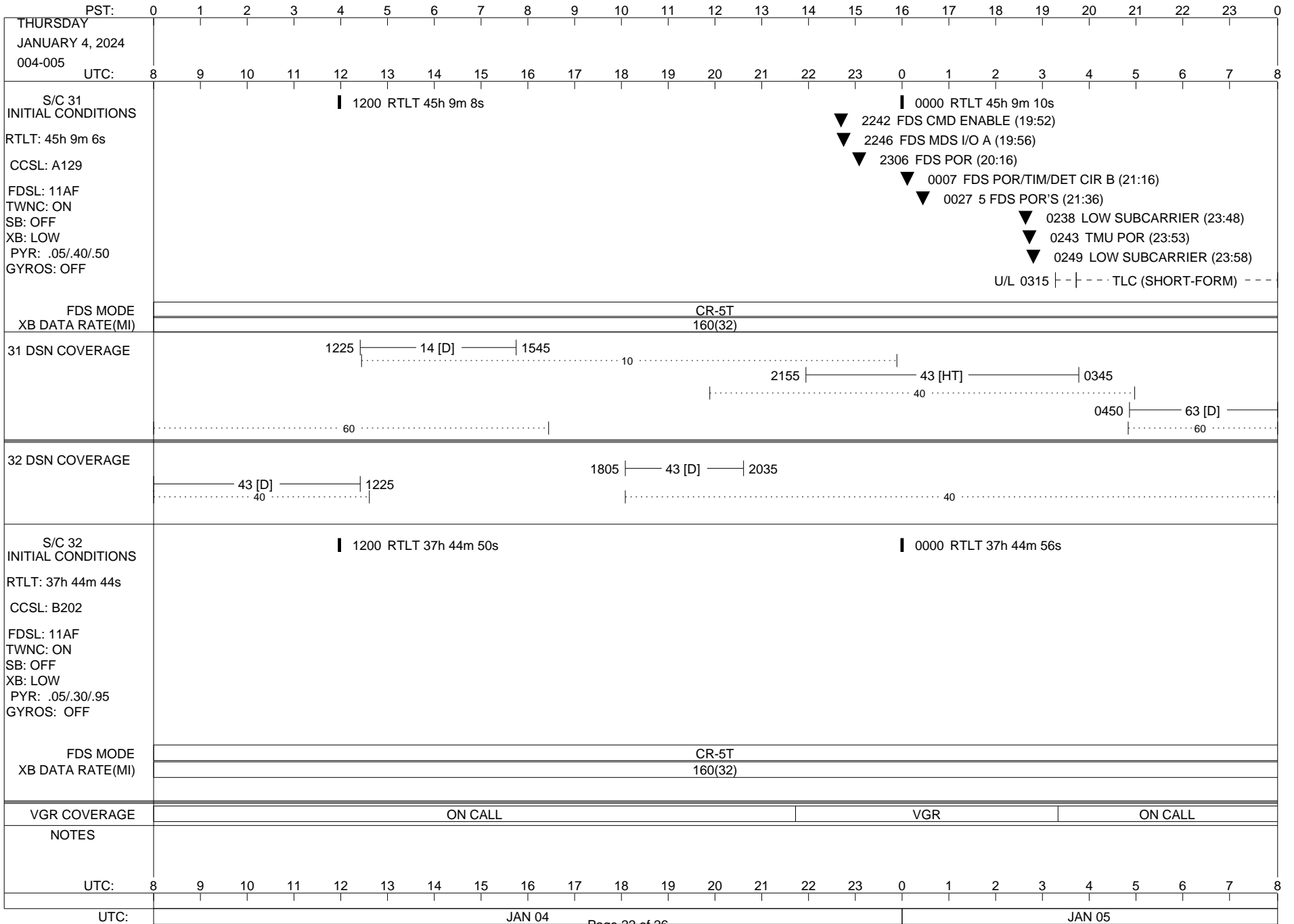


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MONDAY JANUARY 1, 2024 001-002	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS RTLTL: 45h 8m 56s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 8m 58s												0000 RTLT 45h 9m 0s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	1240 ----- 14 [D] ----- 1820 ----- 10 ----- ----- 40 -----												0505 ----- 63 [D] ----- ----- 60 -----													
32 DSN COVERAGE	0850 ----- 43 [D] ----- 1250 ----- 40 -----												1815 ----- 43 [D] ----- 2040 ----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLTL: 37h 44m 12s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.95 GYROS: OFF	1200 RTLT 37h 44m 18s												0000 RTLT 37h 44m 24s													
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 01													JAN 02												

ISSUE DATE: 01/03/24 08:56

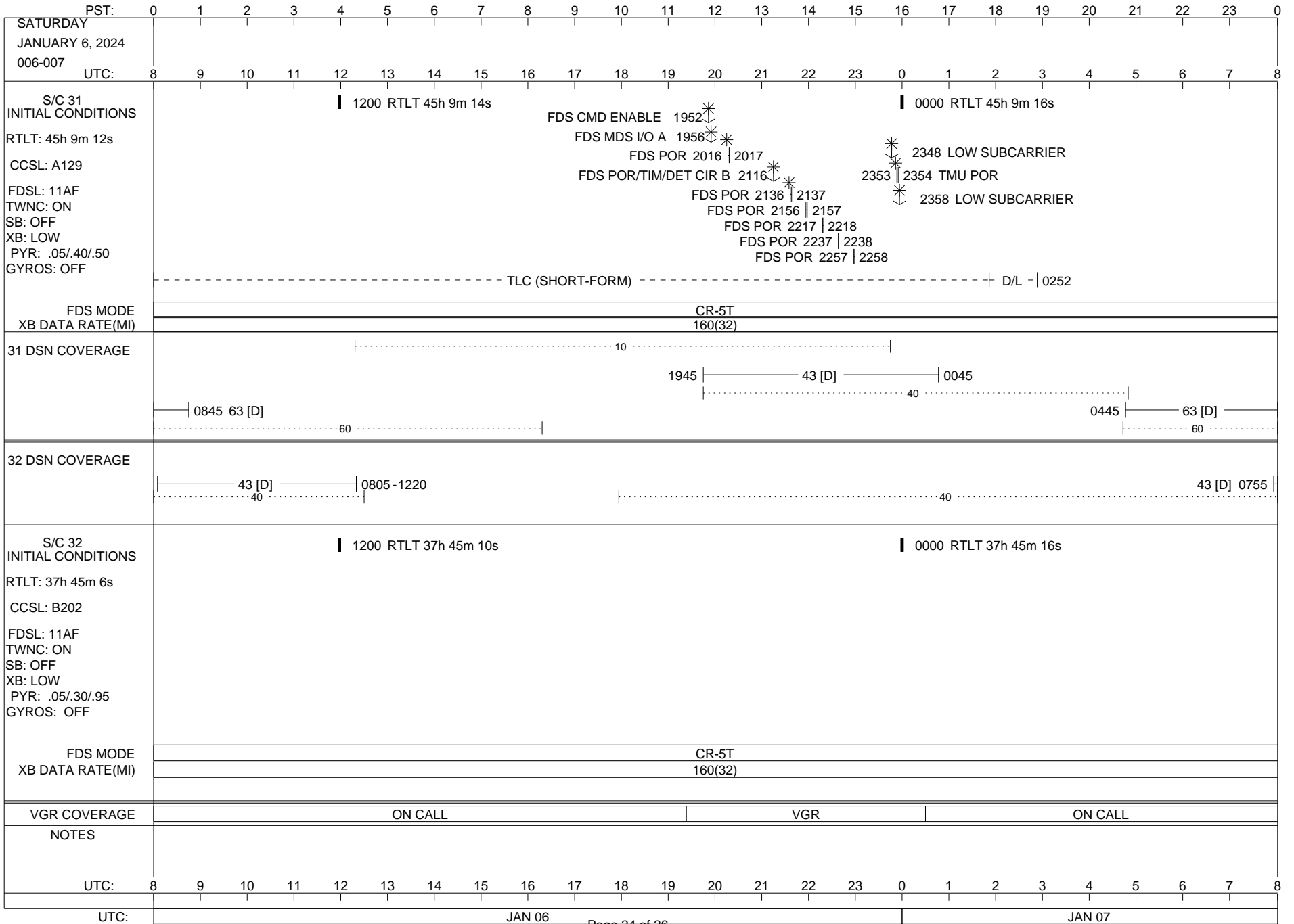


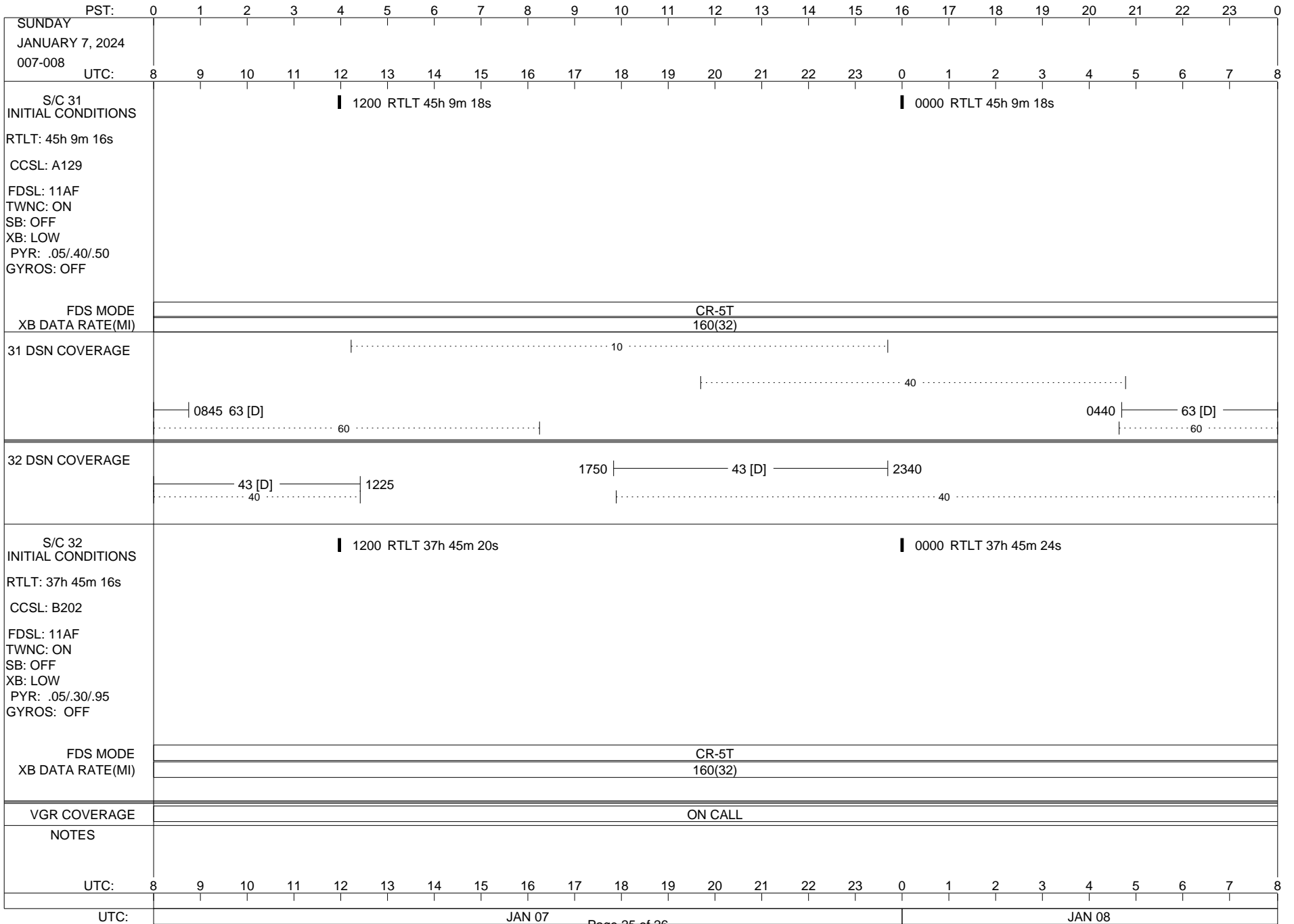


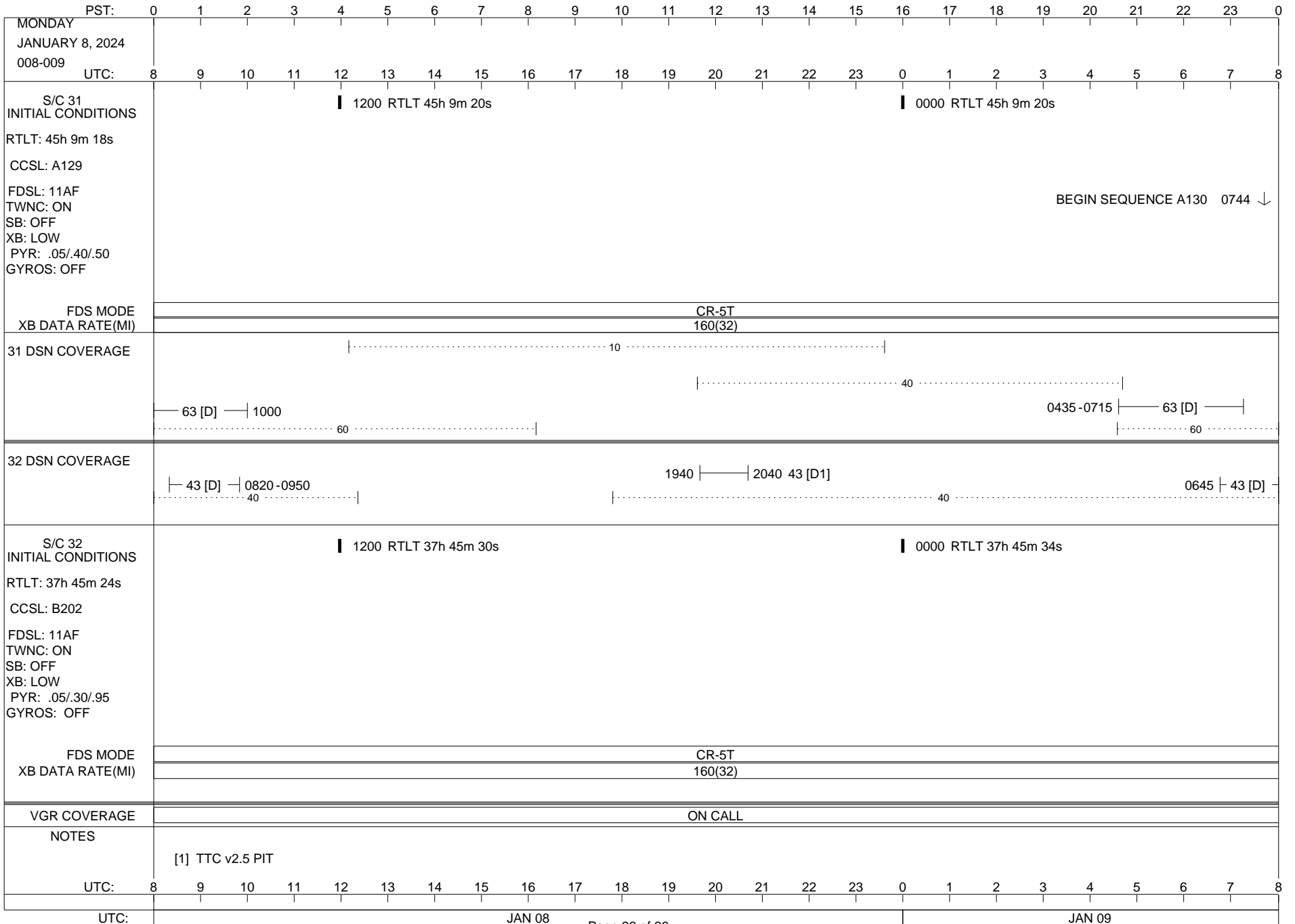


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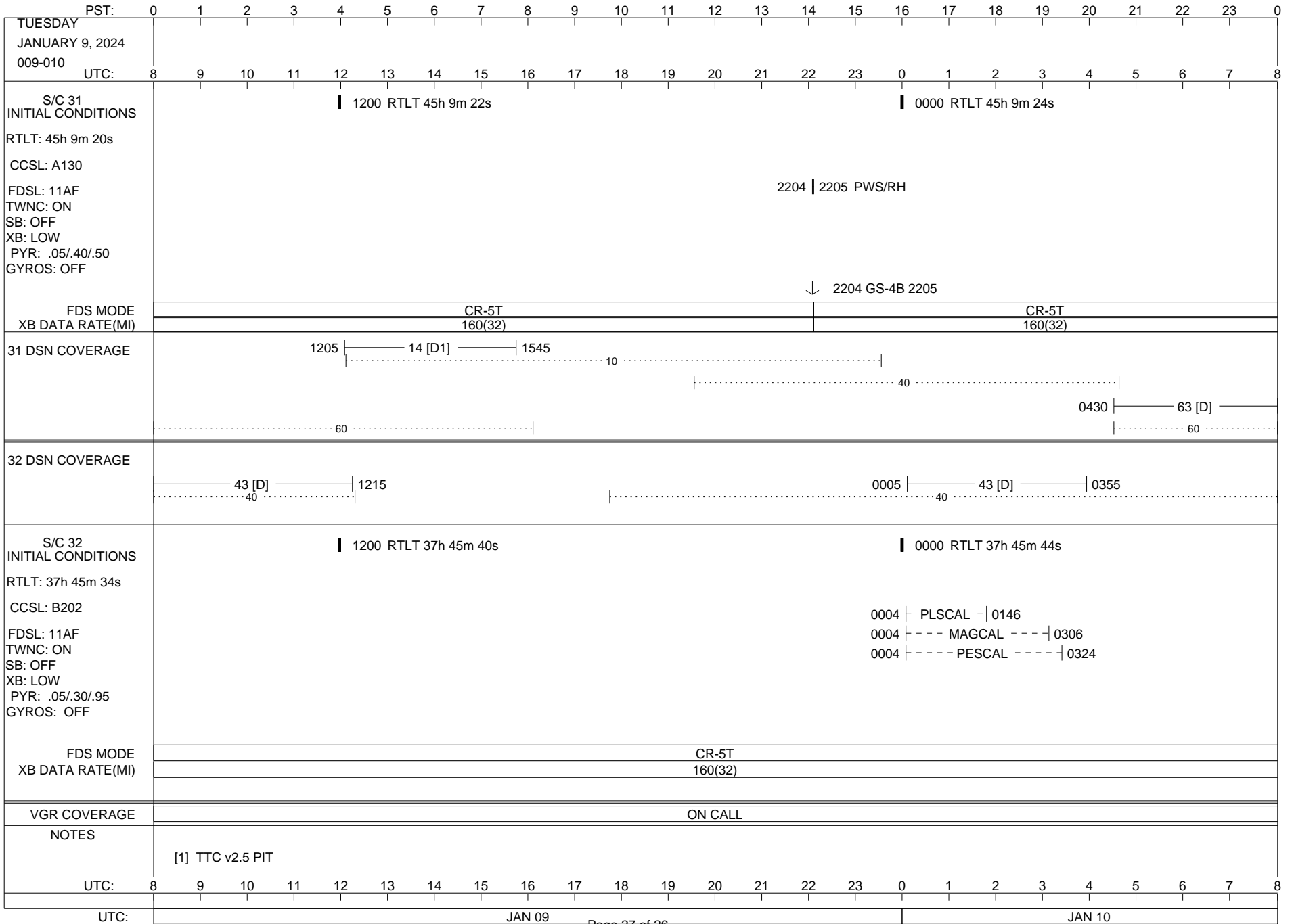
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FRIDAY JANUARY 5, 2024 005-006	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
S/C 31 INITIAL CONDITIONS RTLT: 45h 9m 10s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	<p>1200 RTLT 45h 9m 12s</p> <p>0000 RTLT 45h 9m 12s</p> <p>----- TLC (SHORT-FORM) -----</p> <p>FDS MODE CR-5T XB DATA RATE(MI) 160(32)</p>
31 DSN COVERAGE	<p>1225 ----- 14 [D] ----- 1445</p> <p>..... ----- 10 ----- </p> <p>..... ----- 40 ----- </p> <p>63 [D] 0900</p> <p>..... ----- 60 ----- </p> <p>..... ----- 0445 ----- 63 [D] </p> <p>..... ----- 60 ----- </p>
32 DSN COVERAGE	<p>1825 ----- 43 [HB] ----- 2200</p> <p>0915 ----- 43 [D] ----- 1235</p> <p>..... ----- 40 ----- </p> <p>..... ----- 40 ----- </p>
S/C 32 INITIAL CONDITIONS RTLT: 37h 44m 56s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.95 GYROS: OFF	<p>1200 RTLT 37h 45m 0s</p> <p>0000 RTLT 37h 45m 6s</p> <p>▼ 2002 DUMMY (5 MIN BRACKETED 09:48)</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	ON CALL VGR ON CALL
NOTES	[1] DSS-43 HPTXR DRV ON >= 19:30
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 Page 23 of 26 JAN 06

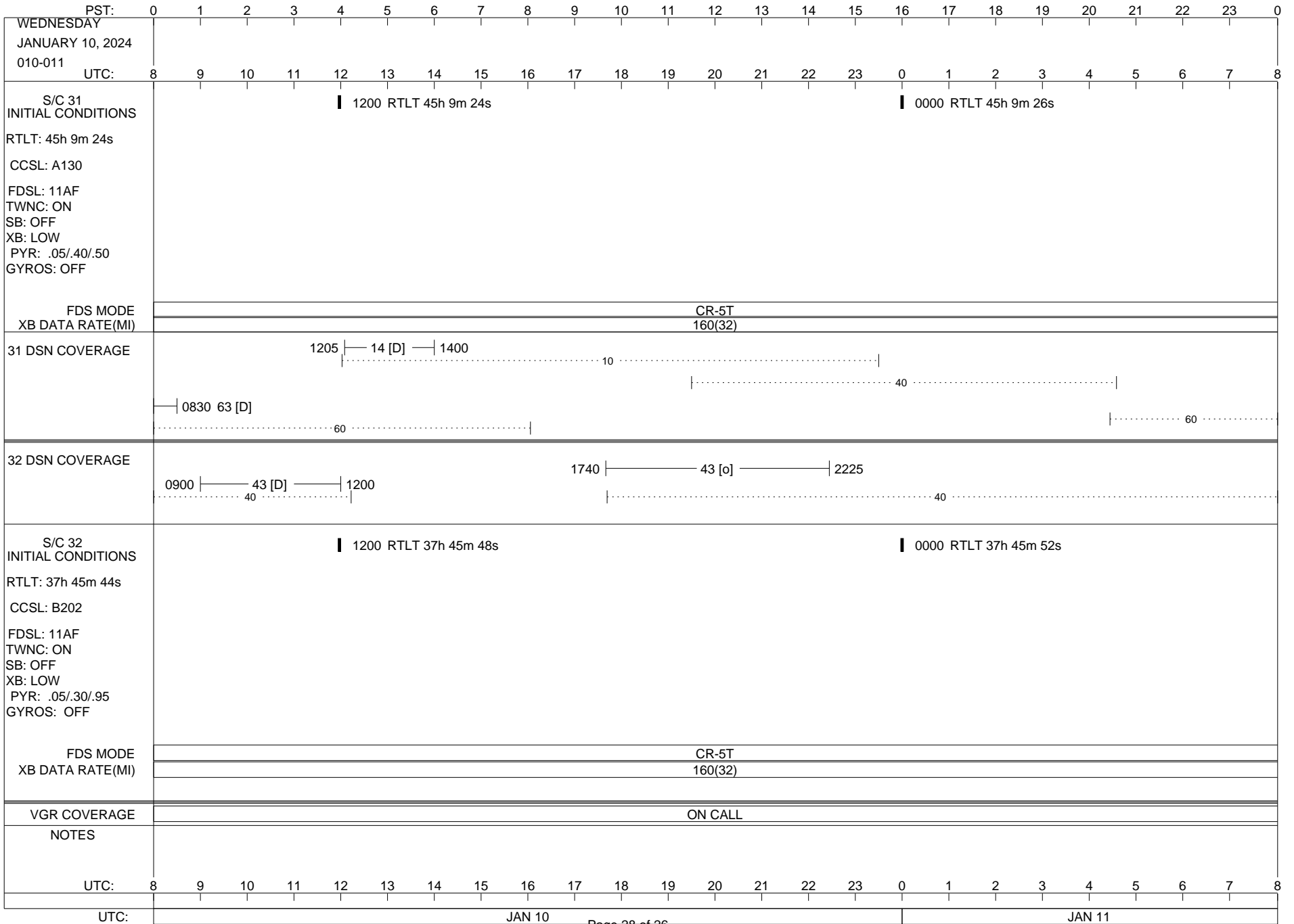




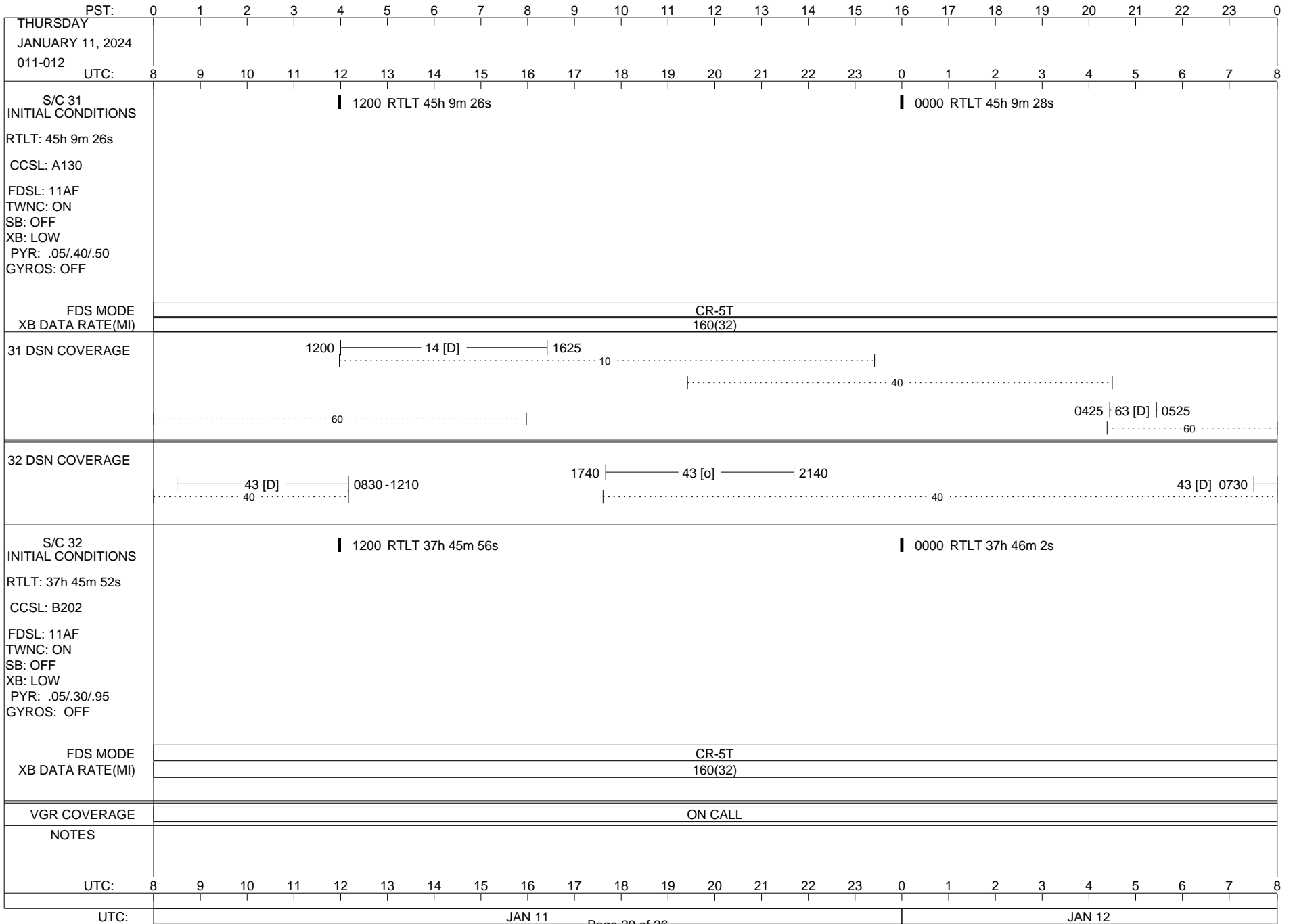


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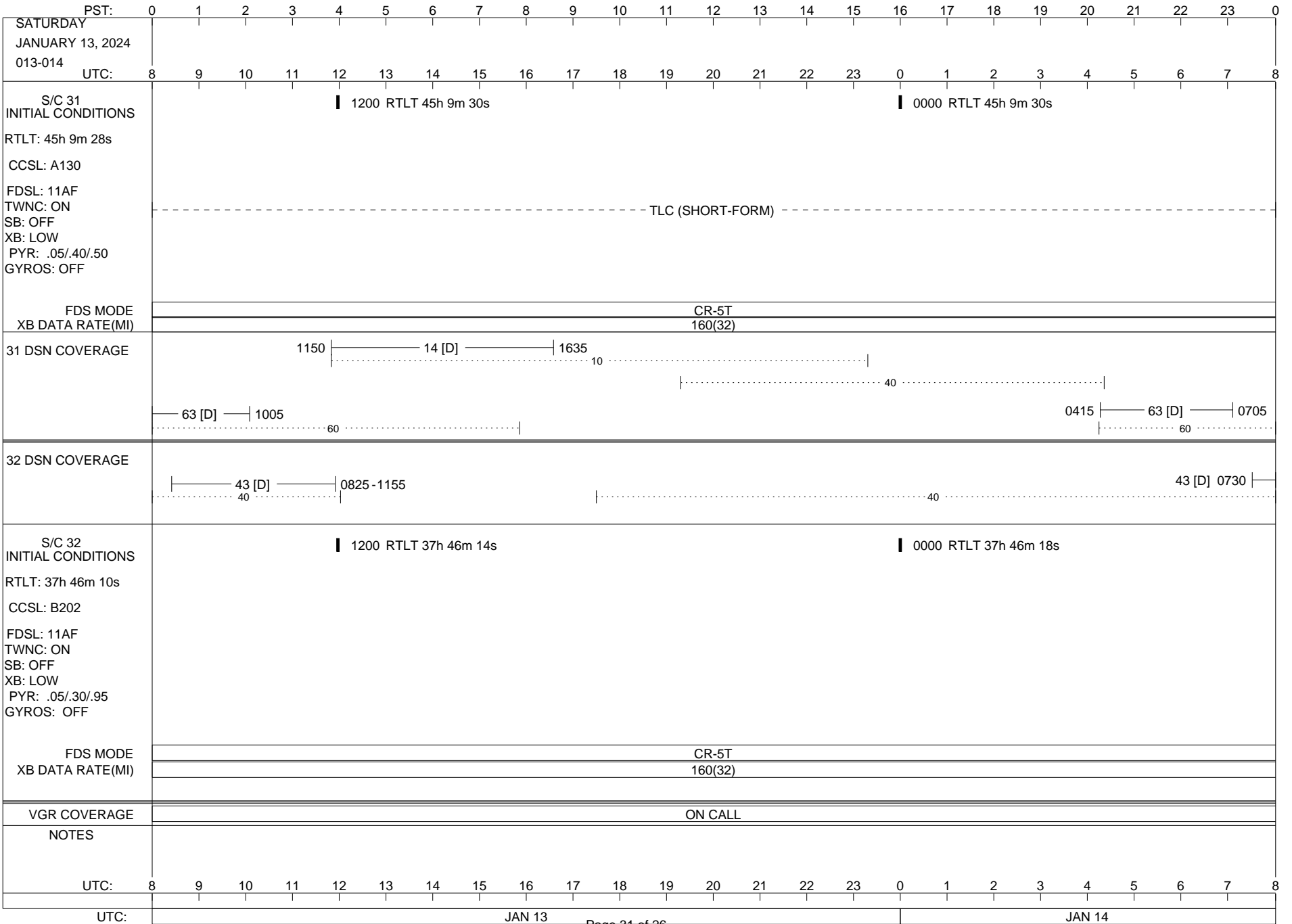


ISSUE DATE: 01/03/24 08:56



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 12, 2024																								
012-013																								
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	1200 RTLTL 45h 9m 28s												0000 RTLTL 45h 9m 28s											
INITIAL CONDITIONS																								
RTLT: 45h 9m 28s																								
CCSL: A130													▼ 2050 DUMMY (17:59)											
FDSL: 11AF																								
TWNC: ON																								
SB: OFF																								
XB: LOW																								
PYR: .05/.40/.50																								
GYROS: OFF																								
FDS MODE	CR-5T																							
XB DATA RATE(MI)	160(32)																							
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <p>1155 ——— 14 [D] ——— 1625</p> <p>..... 10</p> </div> <div style="text-align: center;"> <p>1920 ——— 43 [HT] ——— 0000</p> <p>..... 40</p> </div> <div style="text-align: center;"> <p>0430 ——— 63 [D] ———</p> <p>..... 60</p> </div> </div> <p>..... 60</p>																							
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <p>——— 43 [D] ——— 1155</p> <p>..... 40</p> </div> <div style="text-align: center;"> <p>..... 40</p> </div> </div>																							
S/C 32	1200 RTLTL 37h 46m 6s												0000 RTLTL 37h 46m 10s											
INITIAL CONDITIONS																								
RTLT: 37h 46m 2s																								
CCSL: B202																								
FDSL: 11AF																								
TWNC: ON																								
SB: OFF																								
XB: LOW																								
PYR: .05/.30/.95																								
GYROS: OFF																								
FDS MODE	CR-5T																							
XB DATA RATE(MI)	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:	JAN 12												Page 30 of 26		JAN 13									

ISSUE DATE: 01/03/24 08:56



ISSUE DATE: 01/03/24 08:56

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 14, 2024 014-015	
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 9m 30s CCSL: A130 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	<p>1200 RTLT 45h 9m 30s</p> <p>0000 RTLT 45h 9m 32s</p> <p>----- TLC (SHORT-FORM) ----- D/L - 1952</p> <hr/> <p>FDS MODE CR-5T XB DATA RATE(MI) 160(32)</p>
31 DSN COVERAGE	<p>1345 ----- 14 [D] ----- 1910</p> <p>..... ----- 10 ----- </p> <p>..... ----- 40 ----- </p> <p>..... ----- 60 ----- </p> <p>0410 ----- 63 [D] ----- 0700</p> <p>..... ----- 60 ----- </p>
32 DSN COVERAGE	<p>----- 43 [D] ----- 1155</p> <p>..... ----- 40 ----- </p> <p>1755 ----- 43 [HB] ----- 2040</p> <p>..... ----- 40 ----- </p> <p>..... ----- 43 [D] ----- 0755</p>
S/C 32 INITIAL CONDITIONS RTLTL: 37h 46m 18s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.95 GYROS: OFF	<p>1200 RTLT 37h 46m 22s</p> <p>0000 RTLT 37h 46m 26s</p> <p>▼ 2002 DUMMY (5 MIN BRACKETED 20:49)</p>
FDS MODE XB DATA RATE(MI)	<p>CR-5T 160(32)</p>
VGR COVERAGE	<p>ON CALL</p> <p>VGR</p> <p>ON CALL</p>
NOTES	<p>[1] DSS-43 HPTXR DRV ON >= 18:55</p>
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 14 Page 32 of 26 JAN 15	

