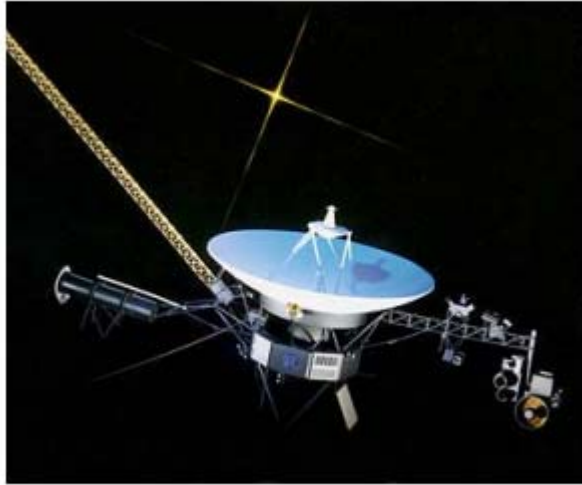


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 6, 2023

For the Period: 12/07/23 to 12/25/23 (23/341 – 23/359)



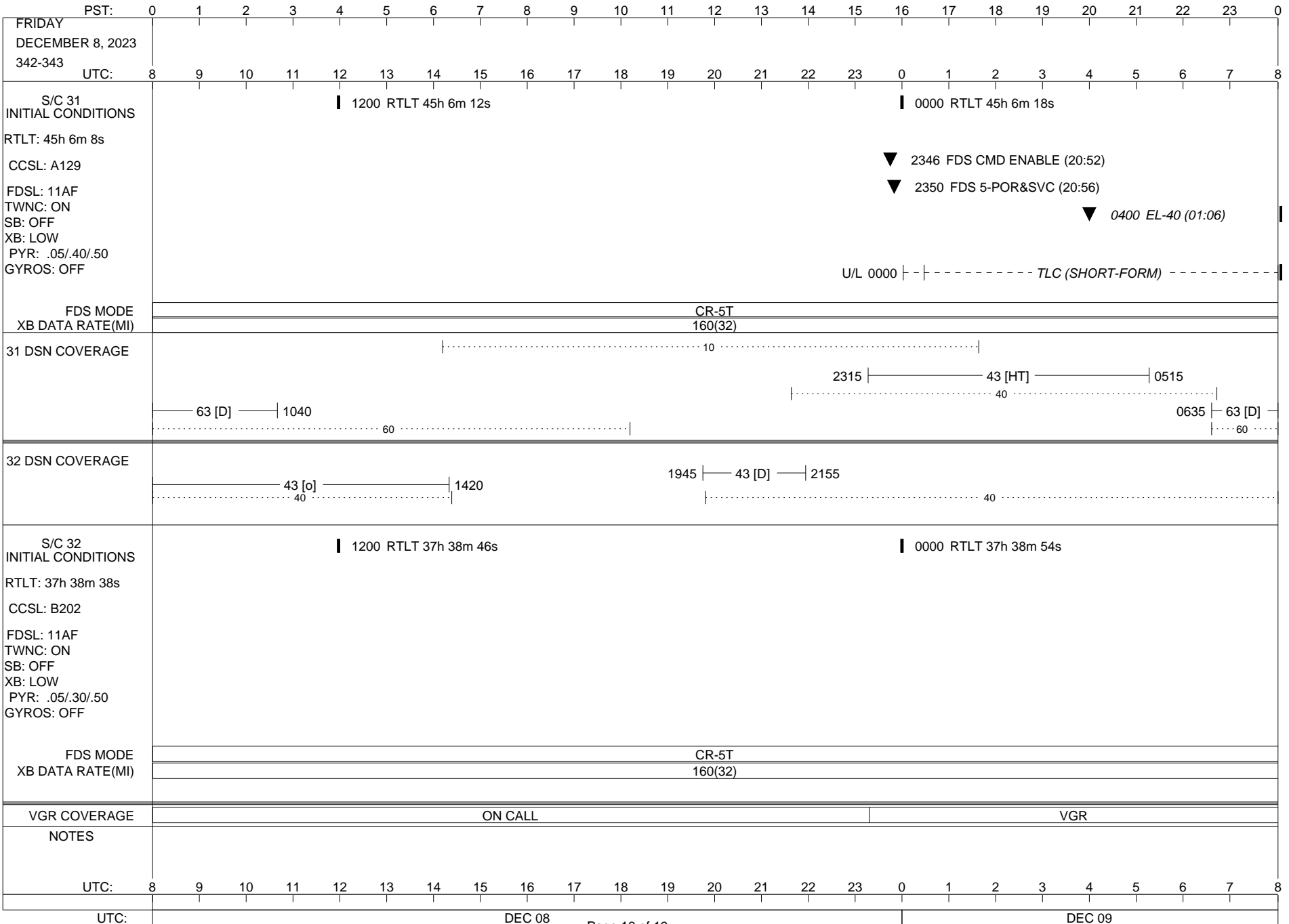
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

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

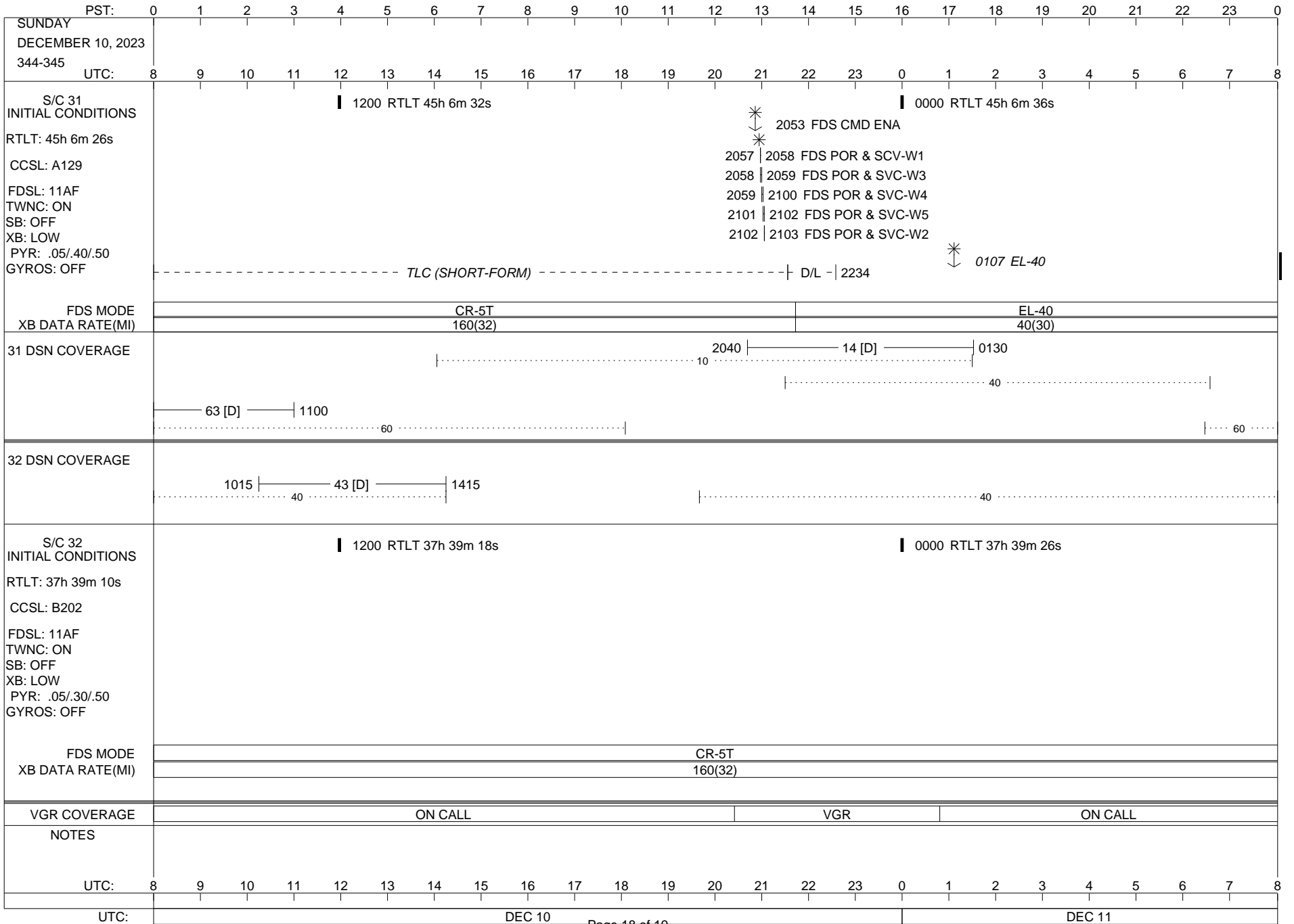
ISSUE DATE: 12/08/23 19:40

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THURSDAY DECEMBER 7, 2023 341-342																												
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 5m 58s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLT 45h 6m 2s														█ 0000 RTLT 45h 6m 8s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE	<p>..... 10 0030 14 [D] 0140</p> <p>..... 40</p> <p>..... 60 1600 63 [D] 1810 0640 63 [D] </p> <p>..... 60</p>																											
32 DSN COVERAGE	<p>..... 40 1105 43 [D] 1425 0650 43 [o] </p> <p>..... 40</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 37h 38m 22s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	█ 1200 RTLT 37h 38m 30s														█ 0000 RTLT 37h 38m 38s													
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 07														DEC 08													



ISSUE DATE: 12/08/23 19:40

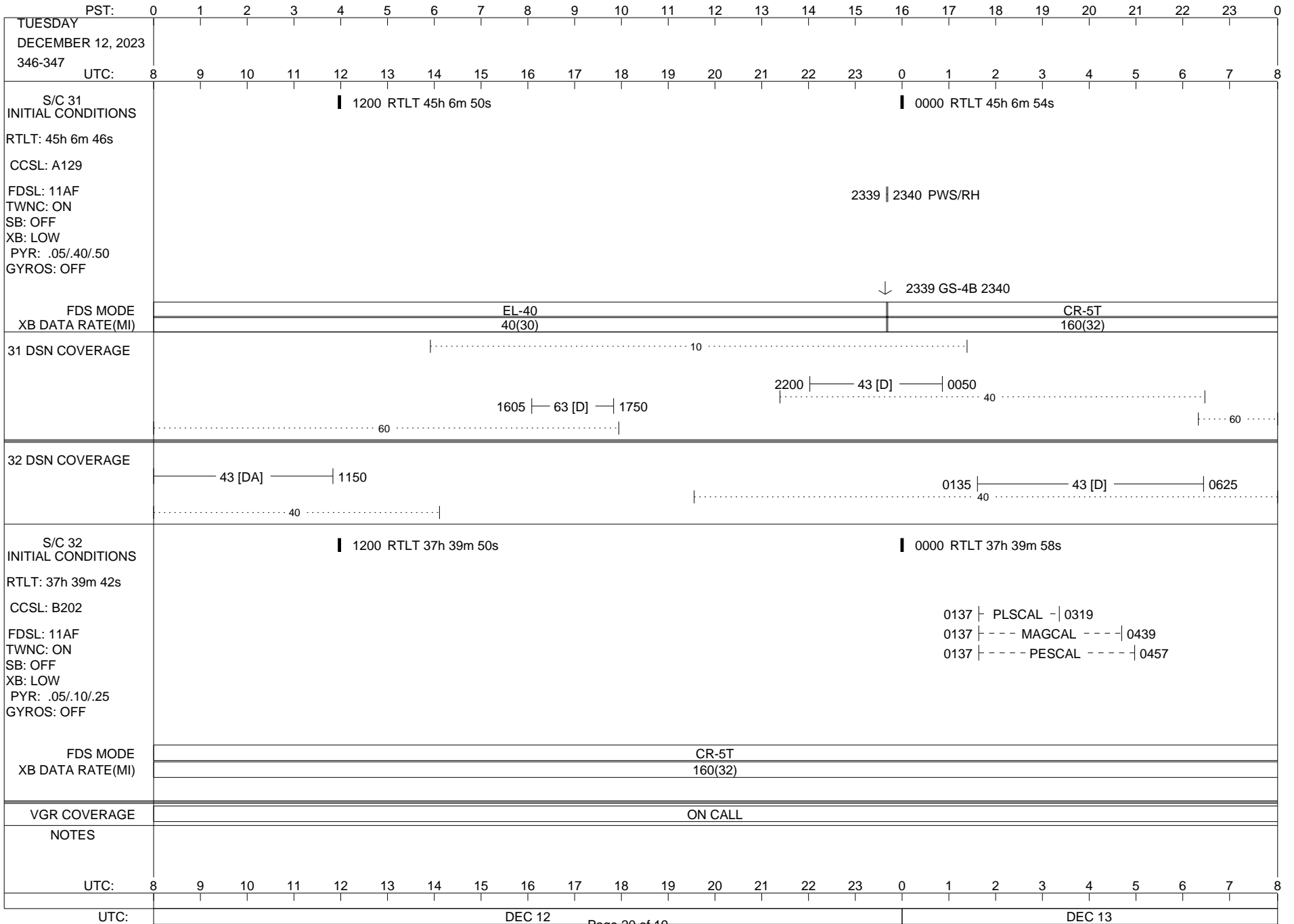
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SATURDAY DECEMBER 9, 2023 343-344	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 45h 6m 18s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLTL 45h 6m 22s												█ 0000 RTLTL 45h 6m 26s															
----- TLC (SHORT-FORM) -----																												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	----- 10 -----												----- 40 -----															
	63 [D] ----- 1045 -----												0645 ----- 63 [D] -----															
	----- 60 -----												----- 60 -----															
32 DSN COVERAGE	1055 ----- 43 [D] ----- 1415												2135 ----- 43 [HB] ----- 0230															
	----- 40 -----												----- 40 -----															
S/C 32 INITIAL CONDITIONS RTLTL: 37h 38m 54s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	█ 1200 RTLTL 37h 39m 2s												█ 0000 RTLTL 37h 39m 10s															
													▼ 2202 DUMMY (5 MIN BRACKETED 11:42)															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
VGR COVERAGE	VGR												VGR						ON CALL									
NOTES	[1] DSS-43 HPTXR ON >= 21:15																											
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:	DEC 09														DEC 10													



ISSUE DATE: 12/08/23 19:40

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 11, 2023 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 RTLT: 45h 6m 36s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 6m 40s												0000 RTLT 45h 6m 46s												
FDS MODE	EL-40																								
XB DATA RATE(MI)	40(30)																								
31 DSN COVERAGE	1340 ----- 63 [D] ----- 1800												40 ----- 60 -----												
32 DSN COVERAGE	1000 ----- 43 [D] ----- 1410												0245 ----- 43 [DA] ----- 0700 0335 ----- 35 [DAR] -----												
S/C 32 INITIAL CONDITIONS RTLT: 37h 39m 26s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	1200 RTLT 37h 39m 34s												0000 RTLT 37h 39m 42s												
													PYR=.05/.05/.05 0432↓ ASCAL 0436 - 0507 PYR=.05/.10/.25 0508 ↓ AACSSIN FCP SWAP TABLE NOP 0509↓ 1 SID MRO 0511↓												
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 11												DEC 12												

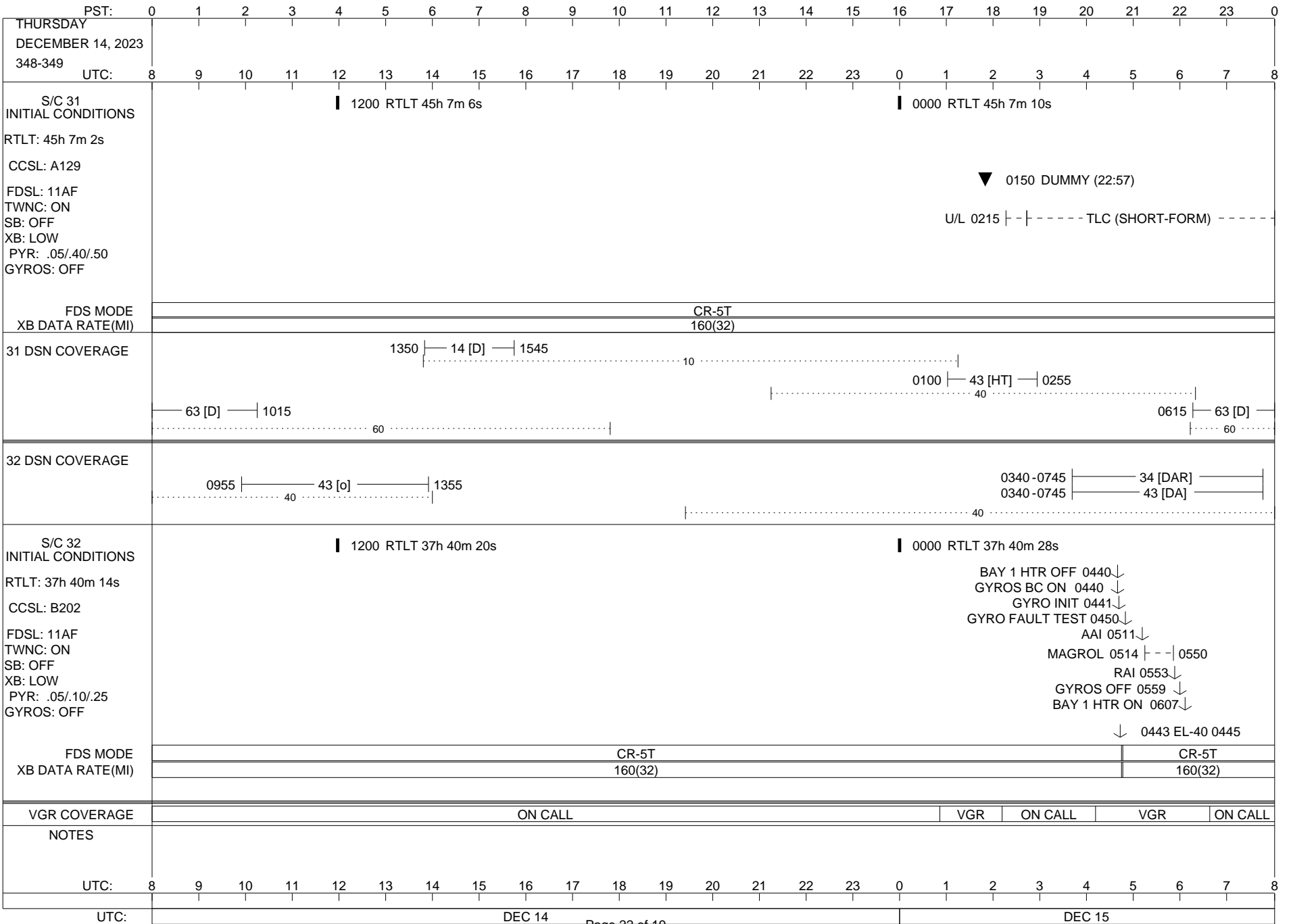
ISSUE DATE: 12/08/23 19:40



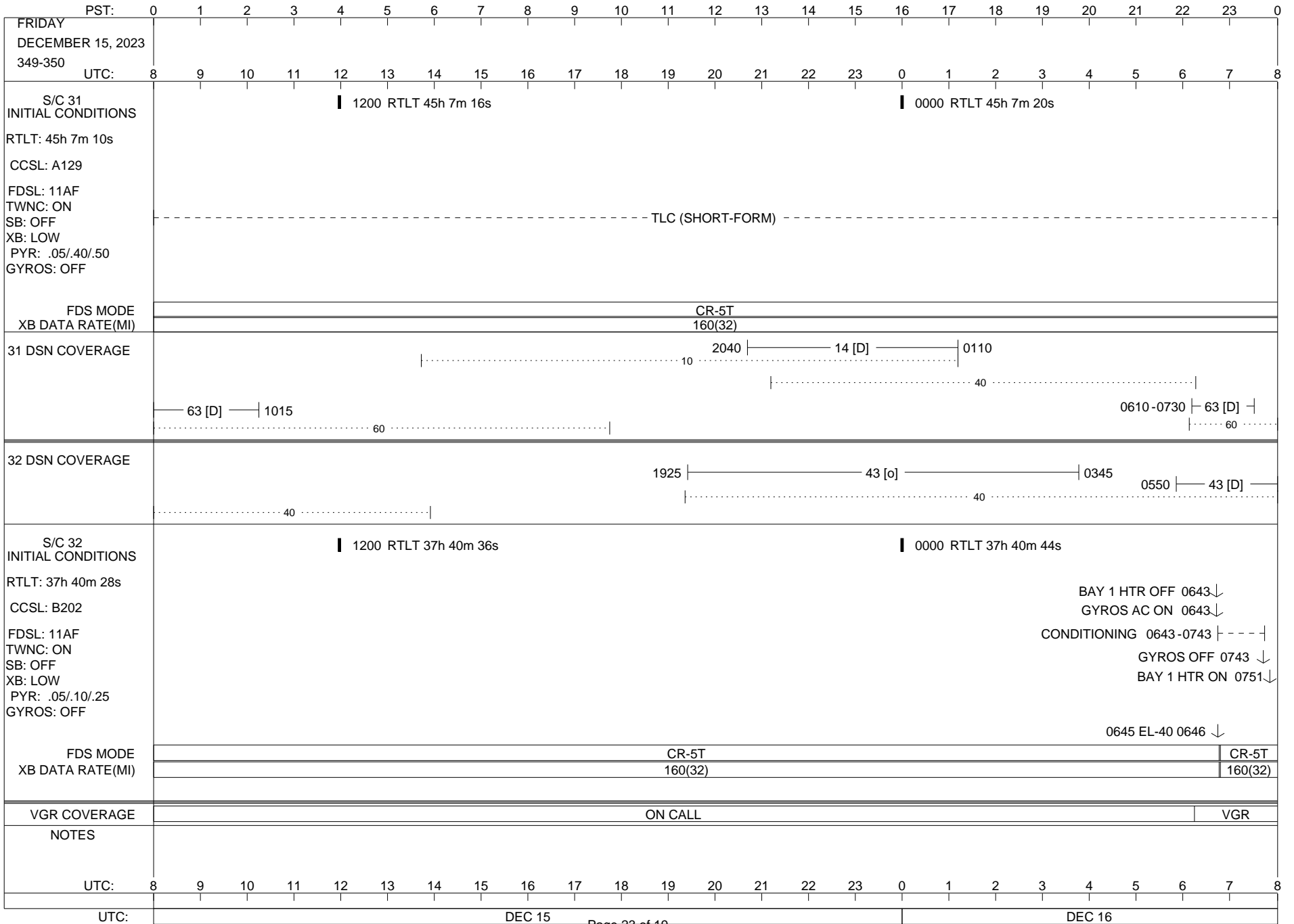
ISSUE DATE: 12/08/23 19:40

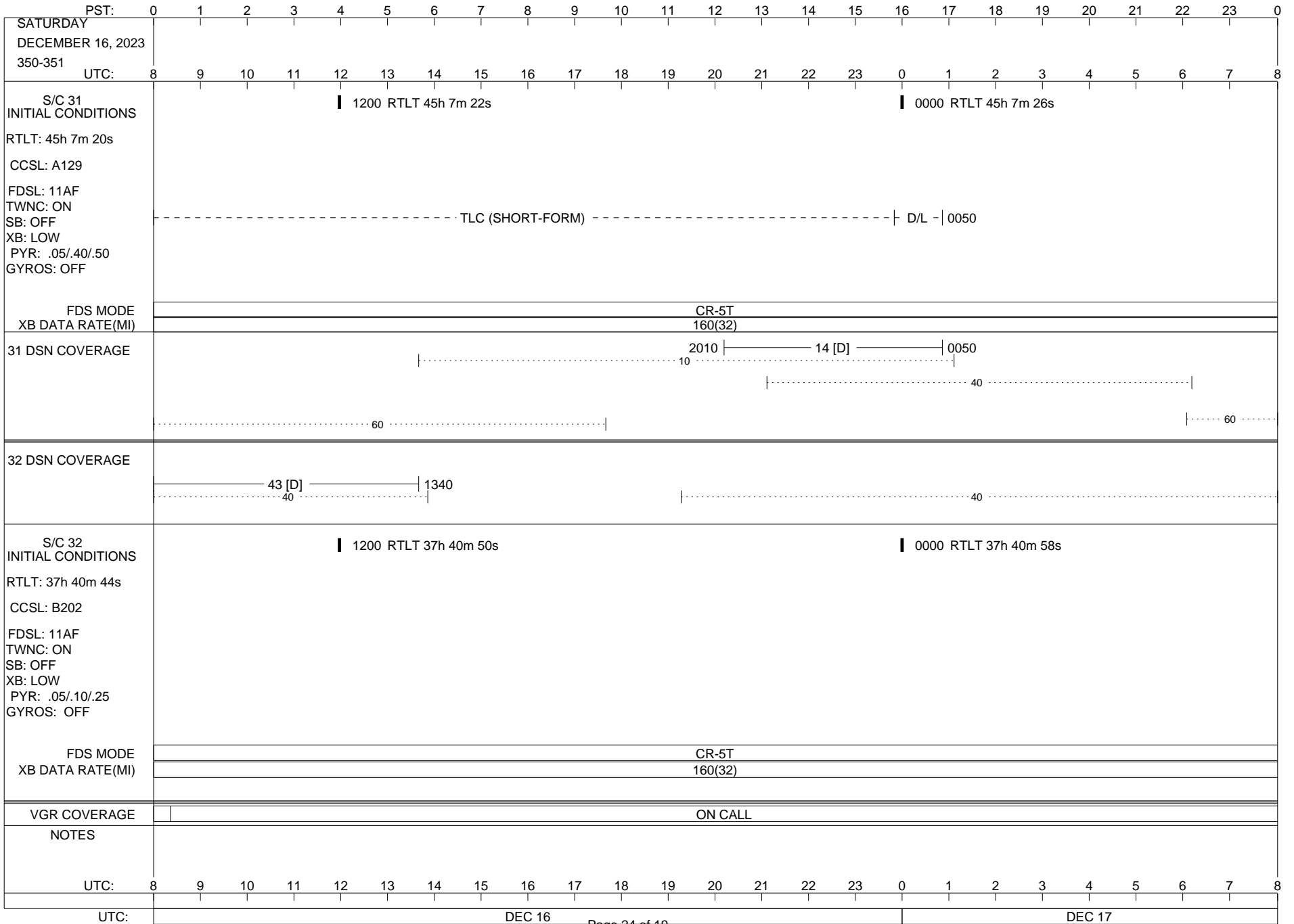
PST: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0																																																																							
WEDNESDAY																																																																							
DECEMBER 13, 2023																																																																							
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 RTLT: 45h 6m 54s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF												1200 RTLT 45h 6m 58s												0000 RTLT 45h 7m 2s																																															
FDS MODE												EL-40 1556 ↓												↓ 2241 CR-5T																																															
XB DATA RATE(MI)												CR-5T 160(32)												EL-40 40(30)												CR-5T 160(32)																																			
31 DSN COVERAGE												1355 ----- 14 [D] ----- 2320												10												40												60												0615 63 [D] ----- 60											
32 DSN COVERAGE												0915 ----- 43 [D] ----- 1405												40												40																																			
S/C 32 INITIAL CONDITIONS RTLT: 37h 39m 58s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF												1200 RTLT 37h 40m 6s												0000 RTLT 37h 40m 14s																																															
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 13												DEC 14																																															

ISSUE DATE: 12/08/23 19:40

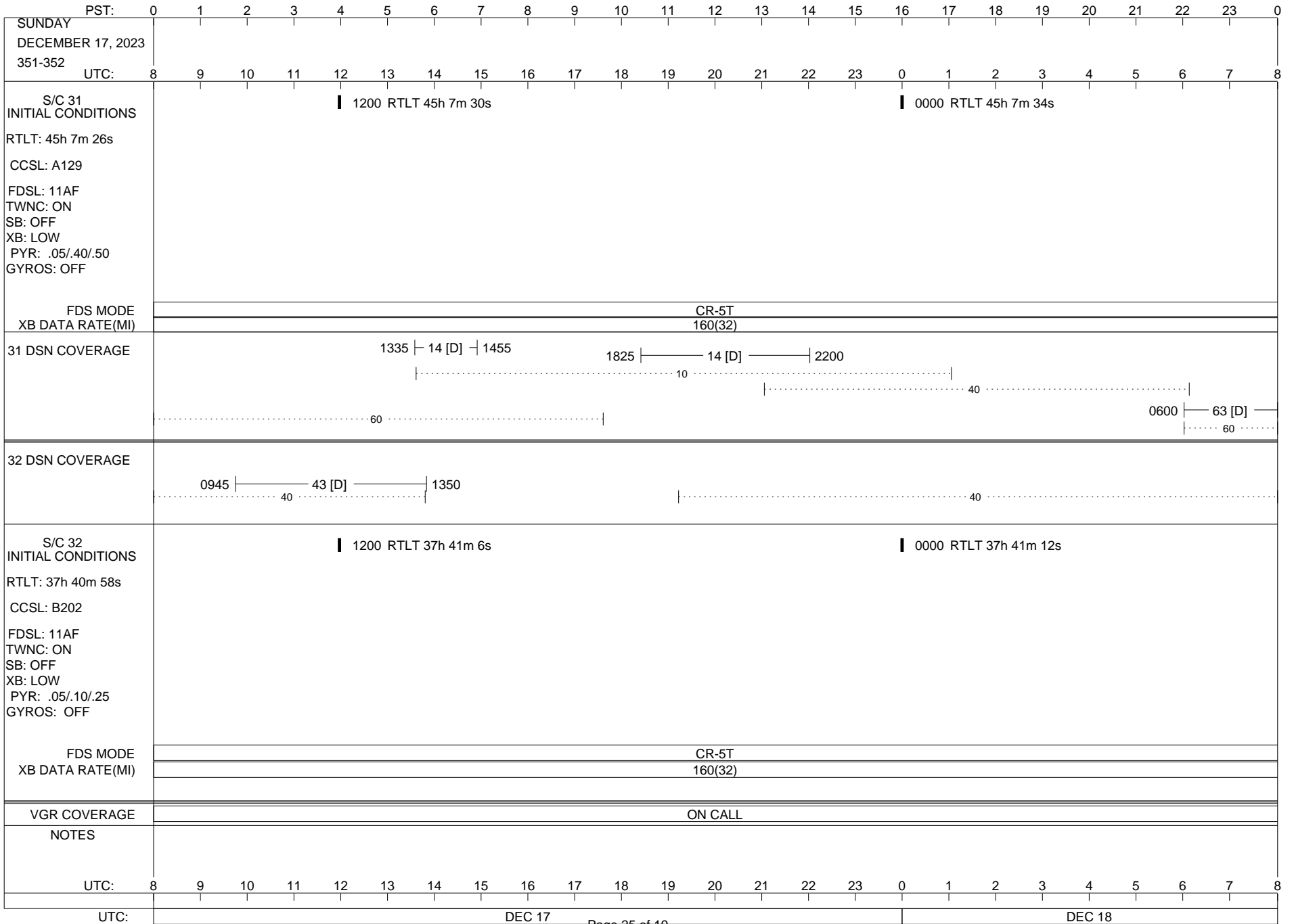


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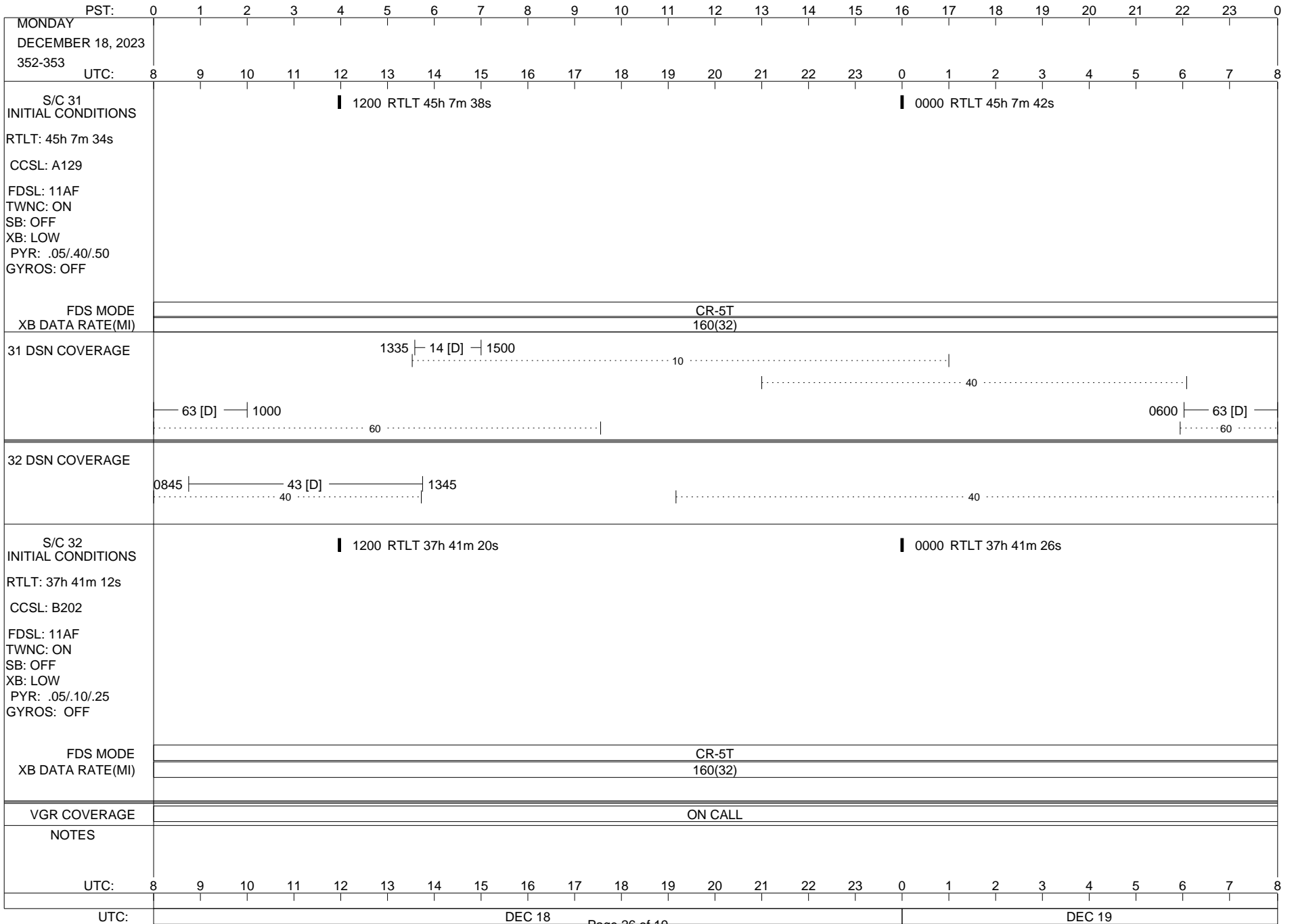


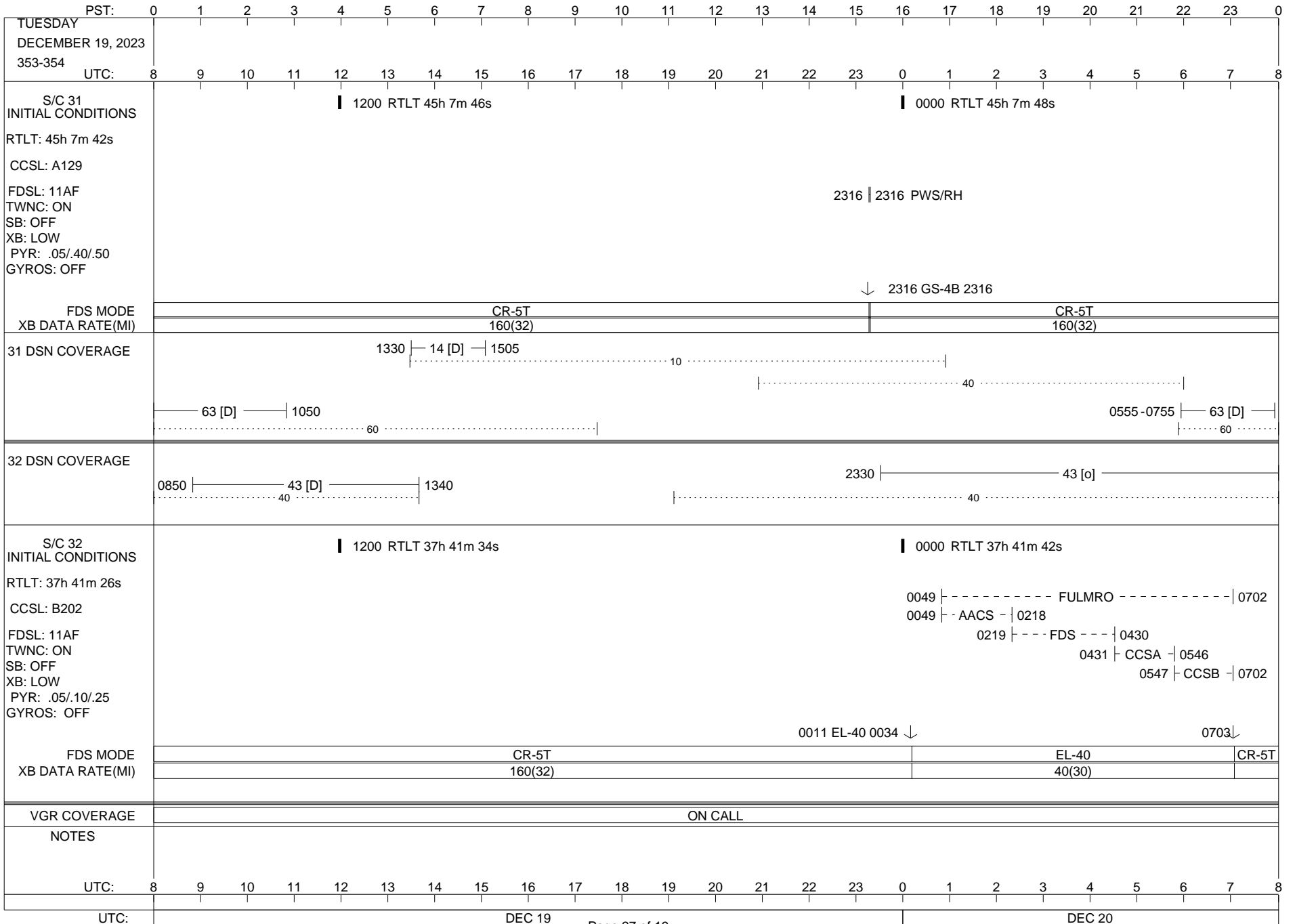


ISSUE DATE: 12/08/23 19:40



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ISSUE DATE: 12/08/23 19:40

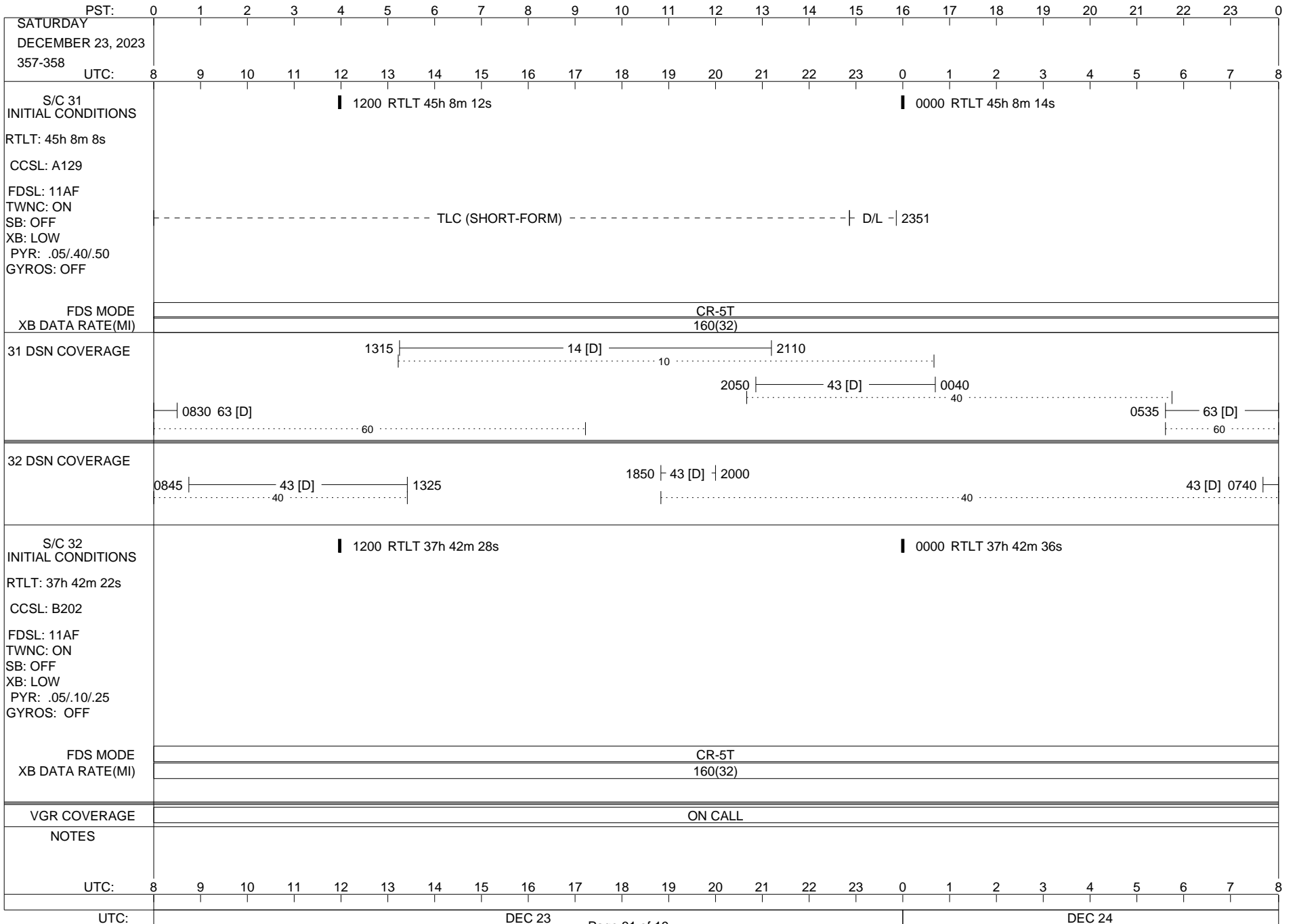
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WEDNESDAY DECEMBER 20, 2023 354-355	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 45h 7m 48s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 7m 52s												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												
32 DSN COVERAGE	43 [o] ----- 1335												1915 ----- 43 [o] ----- 2255 40 40												
S/C 32 INITIAL CONDITIONS RTLT: 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: 12/08/23 19:40

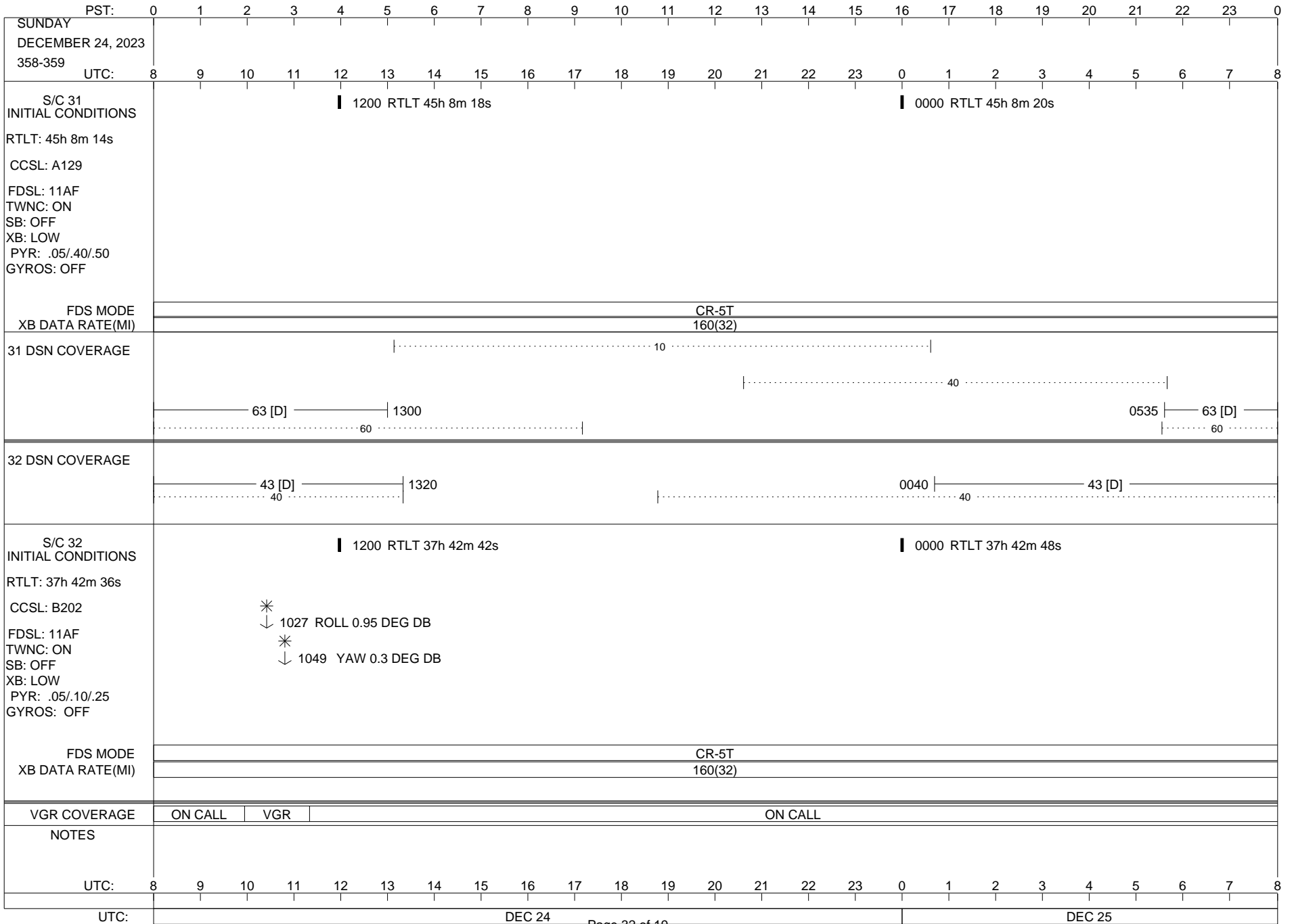
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
THURSDAY DECEMBER 21, 2023 355-356																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 45h 7m 56s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLTL 45h 7m 58s											█ 0000 RTLTL 45h 8m 2s																
																						▼ 0050 DUMMY (21:58)						
																						U/L 0115 - - - - - - TLC (SHORT-FORM) - - - - -						
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)														
31 DSN COVERAGE	1320 ----- 14 [D] ----- 1545											10 ----- 0015 ----- 43 [HT] ----- 0415																
	60 -----											40 ----- 0545 ----- 63 [D] ----- 60																
32 DSN COVERAGE	1010 ----- 43 [D] ----- 1330											1840 ----- 43 [D] ----- 2255																
	40 -----											40 -----																
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 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													

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															
----- TLC (SHORT-FORM) -----																												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	1320 ----- 14 [D] ----- 1545												10 ----- 40 -----															
	63 [D] ----- 0950 -----												0540 ----- 63 [D] -----															
	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 (10:26)																
												▼ 2105 YAW 0.3 DEG DB (10:48)																
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			
UTC:	DEC 22														DEC 23													

ISSUE DATE: 12/08/23 19:40



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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 25, 2023 359-360	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 XB DATA RATE(MI)													CR-5T 160(32)																							
31 DSN COVERAGE	1305 ----- 14 [D] ----- 1705 ----- 10 ----- ----- 40 -----												63 [D] ----- 1220 ----- 60 -----												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 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:	DEC 25												DEC 26																							