

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 29, 2023

For the Period: 11/30/23 to 12/18/23 (23/334 – 23/352)



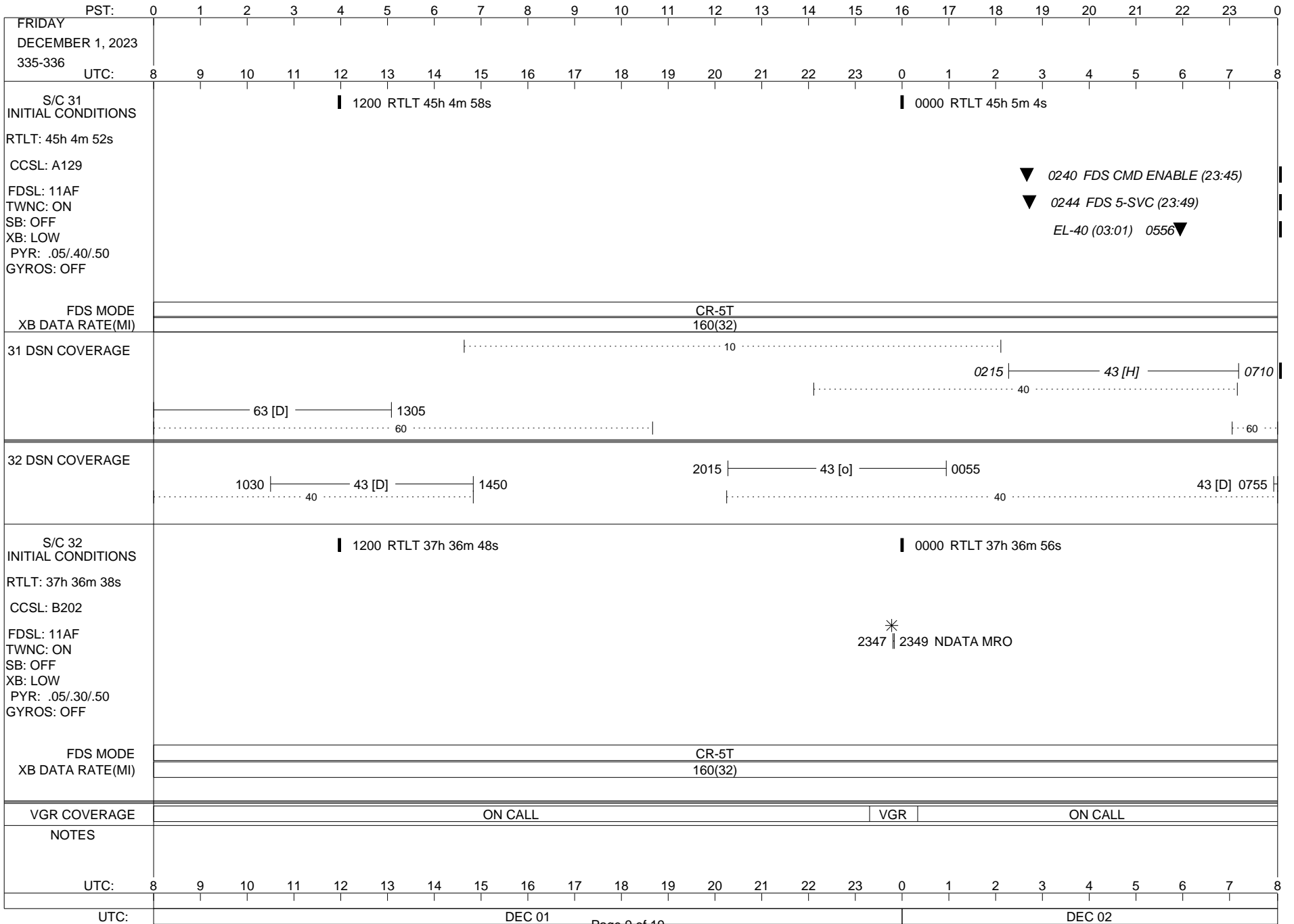
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

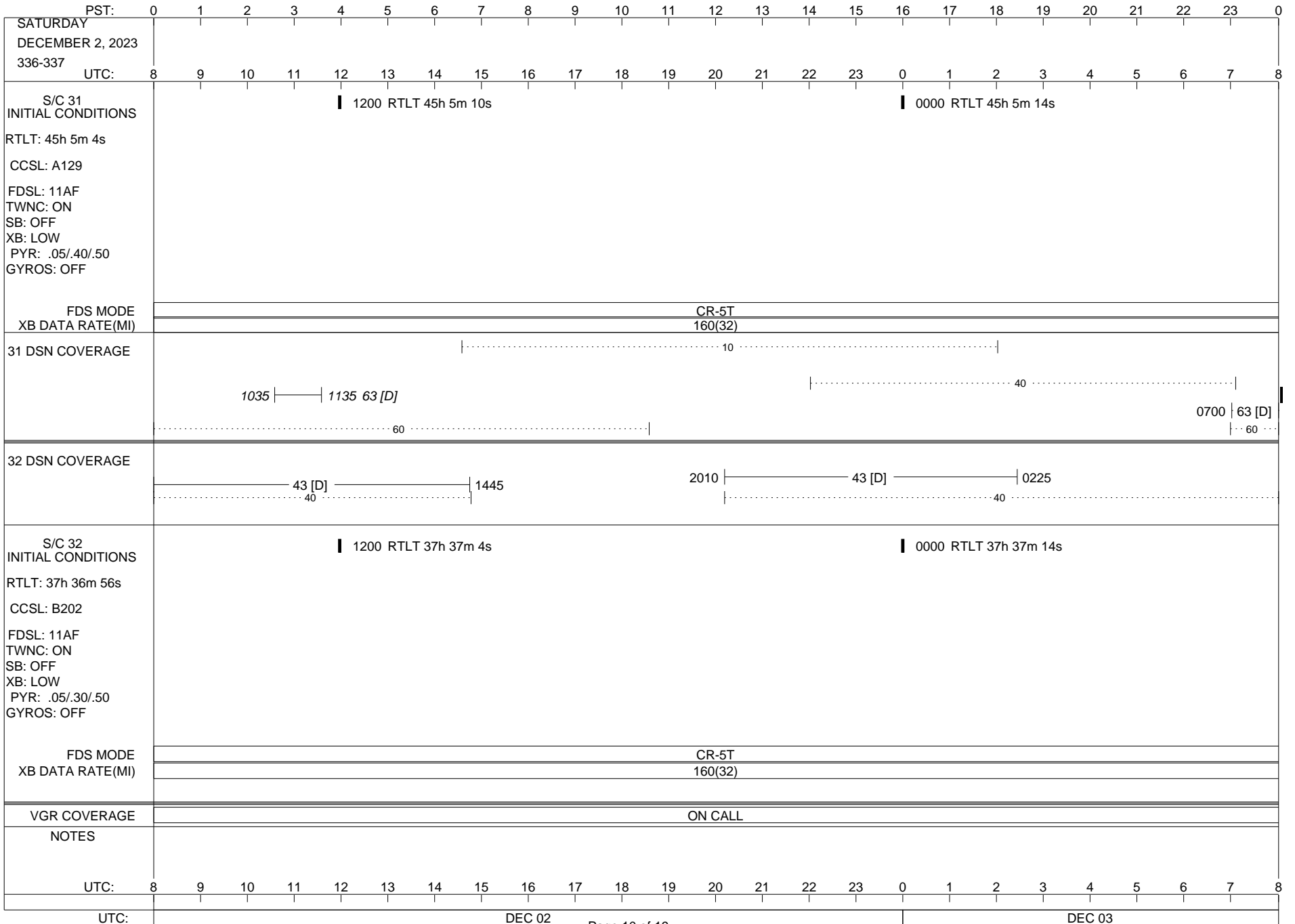
LEGEND:

- ▽ = 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

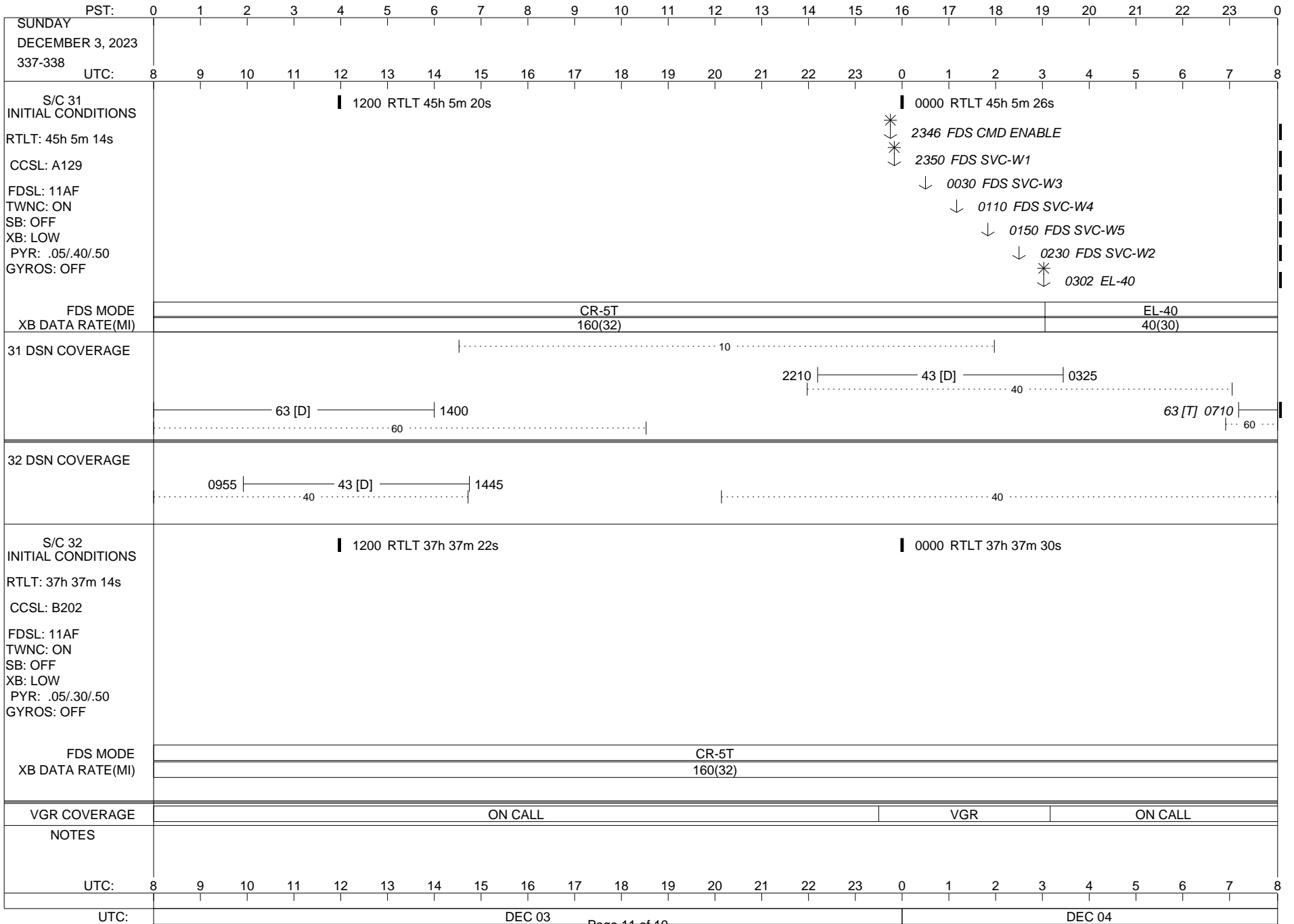
ISSUE DATE: 12/06/23 11:53

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THURSDAY NOVEMBER 30, 2023 334-335																									
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 4m 40s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLTL 45h 4m 46s												█ 0000 RTLTL 45h 4m 52s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	-----63 [D]----- 1325												0030 ---14 [D]--- 0205 -----40----- -----63 [D] 0705 -----60-----												
32 DSN COVERAGE	0855 -----43 [H1]----- 1450 -----40-----												-----40-----												
S/C 32 INITIAL CONDITIONS RTLTL: 37h 36m 20s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	█ 1200 RTLTL 37h 36m 30s												█ 0000 RTLTL 37h 36m 38s												
	▼ 1010 NDATA MRO (23:46)																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] DSS-43 HPTXR DRV OFF <= 13:24																								
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:	NOV 30												DEC 01												

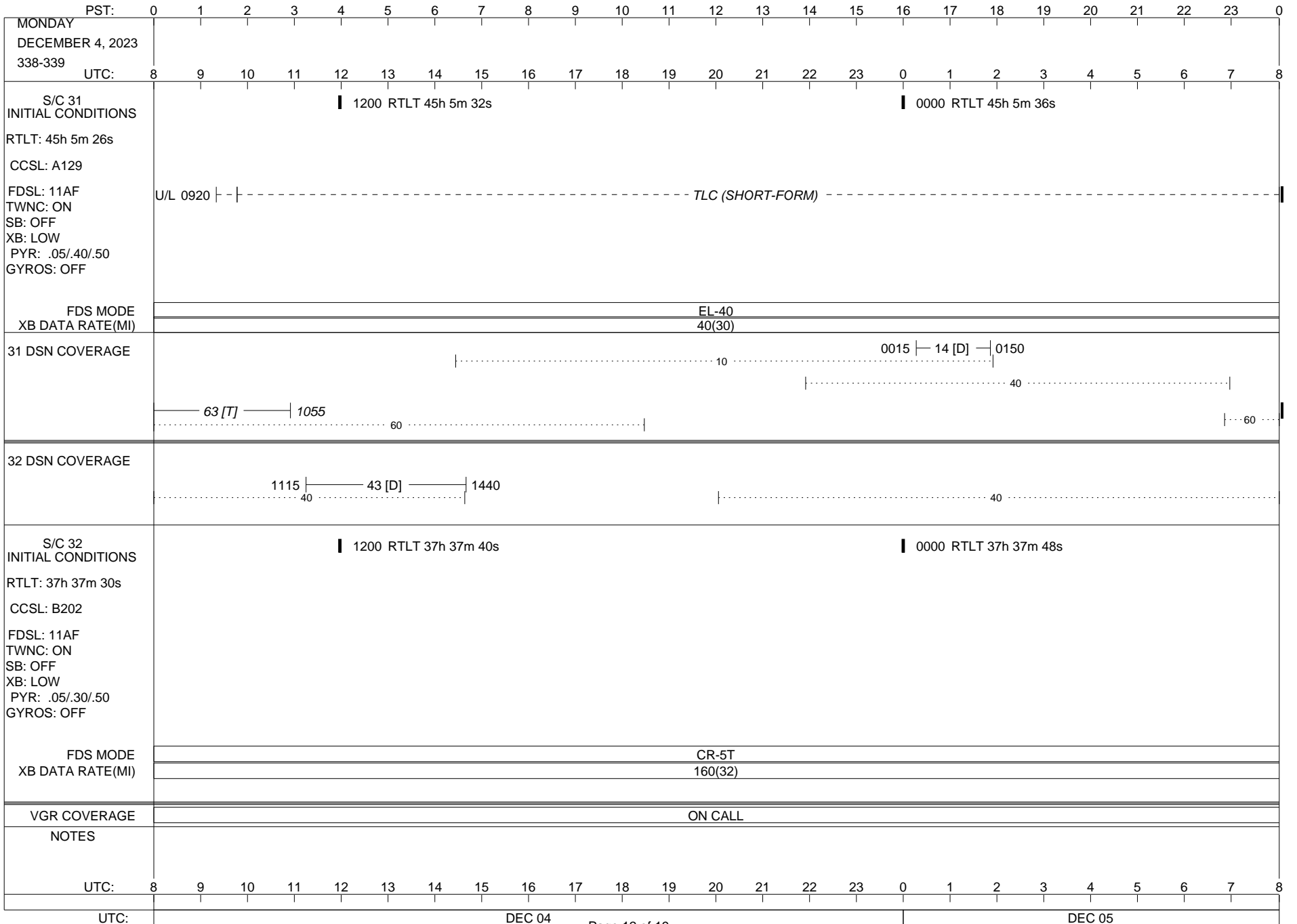




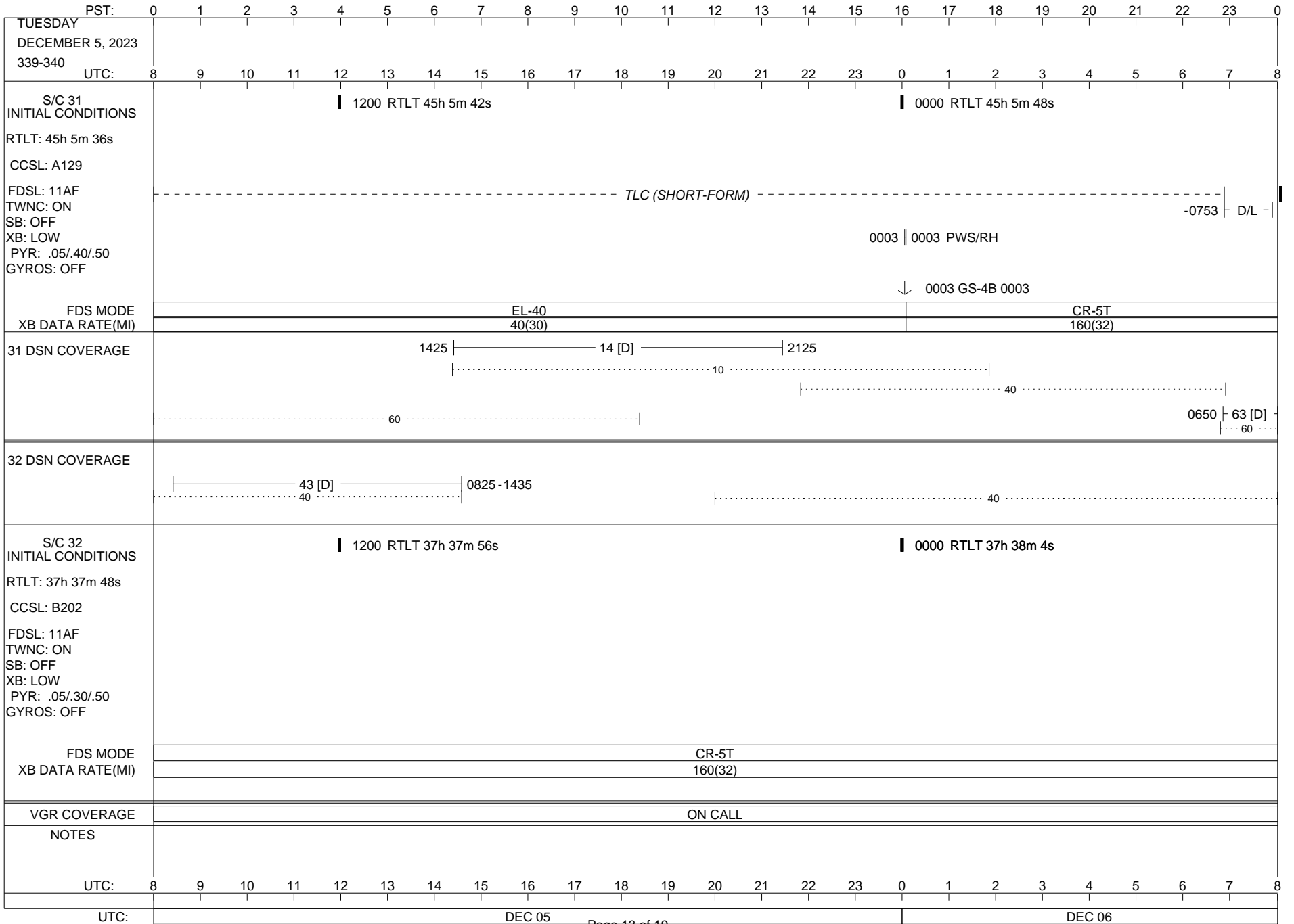
ISSUE DATE: 12/06/23 11:53



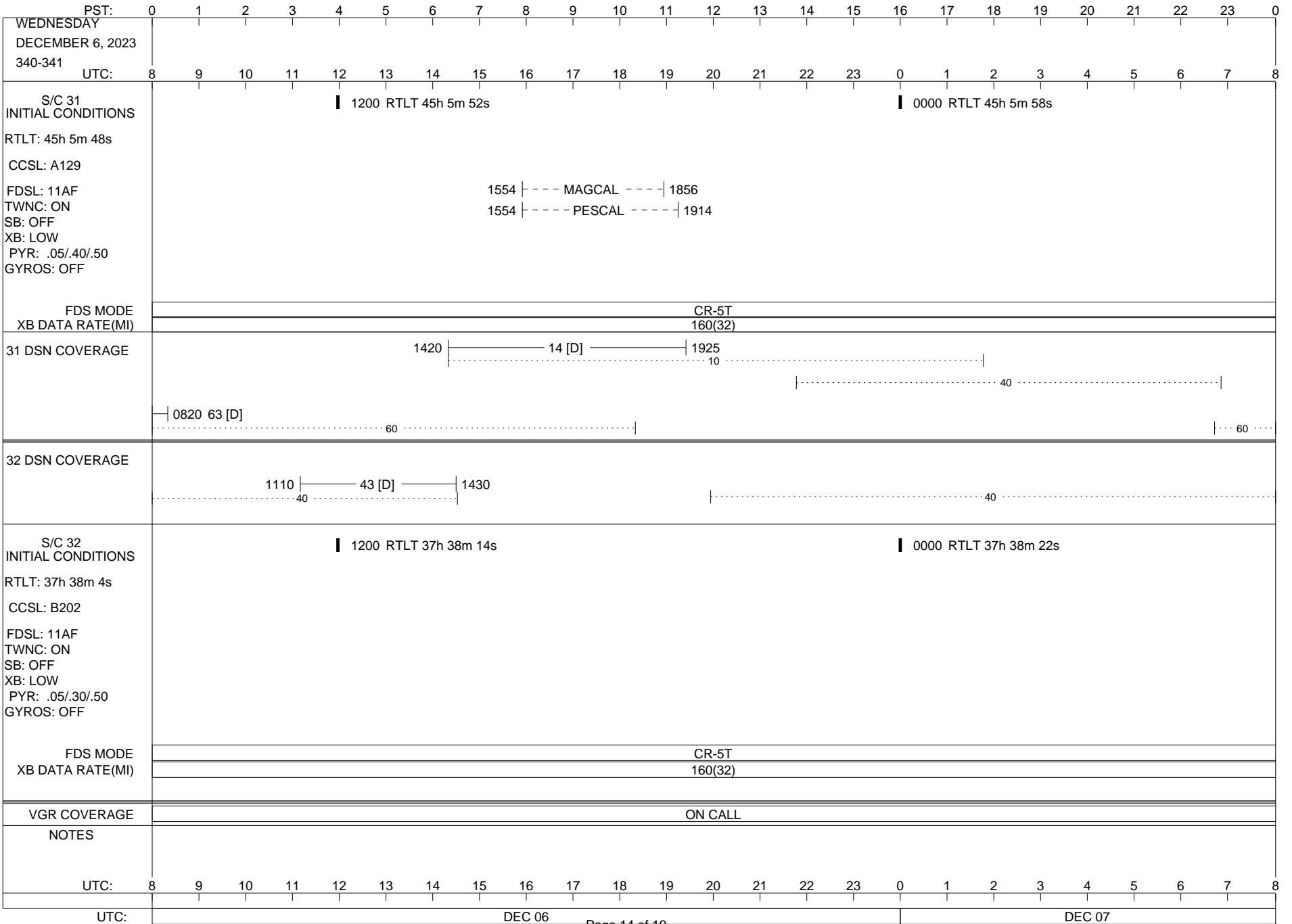
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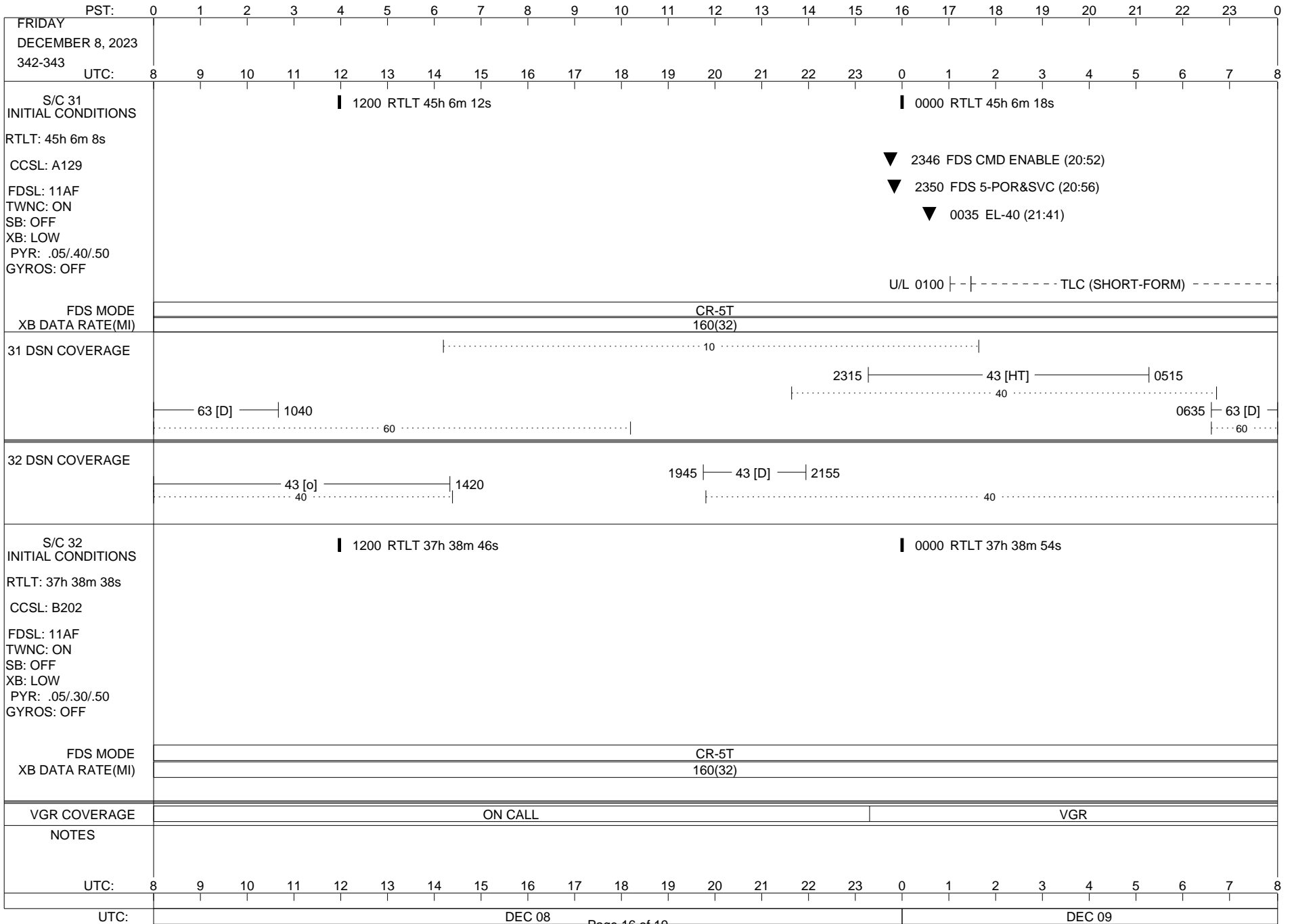
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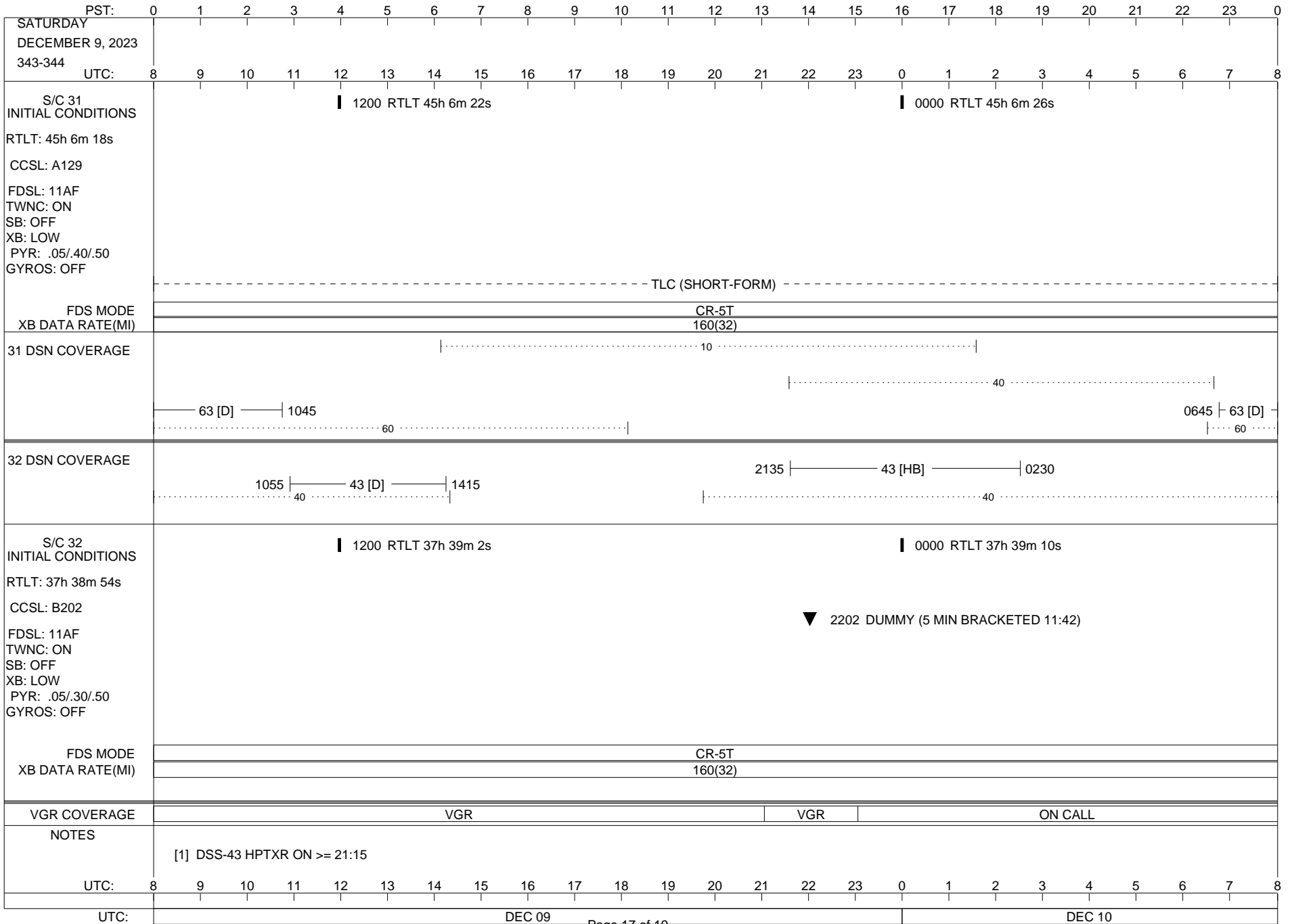
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THURSDAY DECEMBER 7, 2023 341-342																													
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS		1200 RTLT 45h 6m 2s														0000 RTLT 45h 6m 8s													
RTLT: 45h 5m 58s CCSL: A129 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																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS		1200 RTLT 37h 38m 30s														0000 RTLT 37h 38m 38s													
RTLT: 37h 38m 22s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF		0215 0221 CCSTIMB FINE																											
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: 12/06/23 11:53

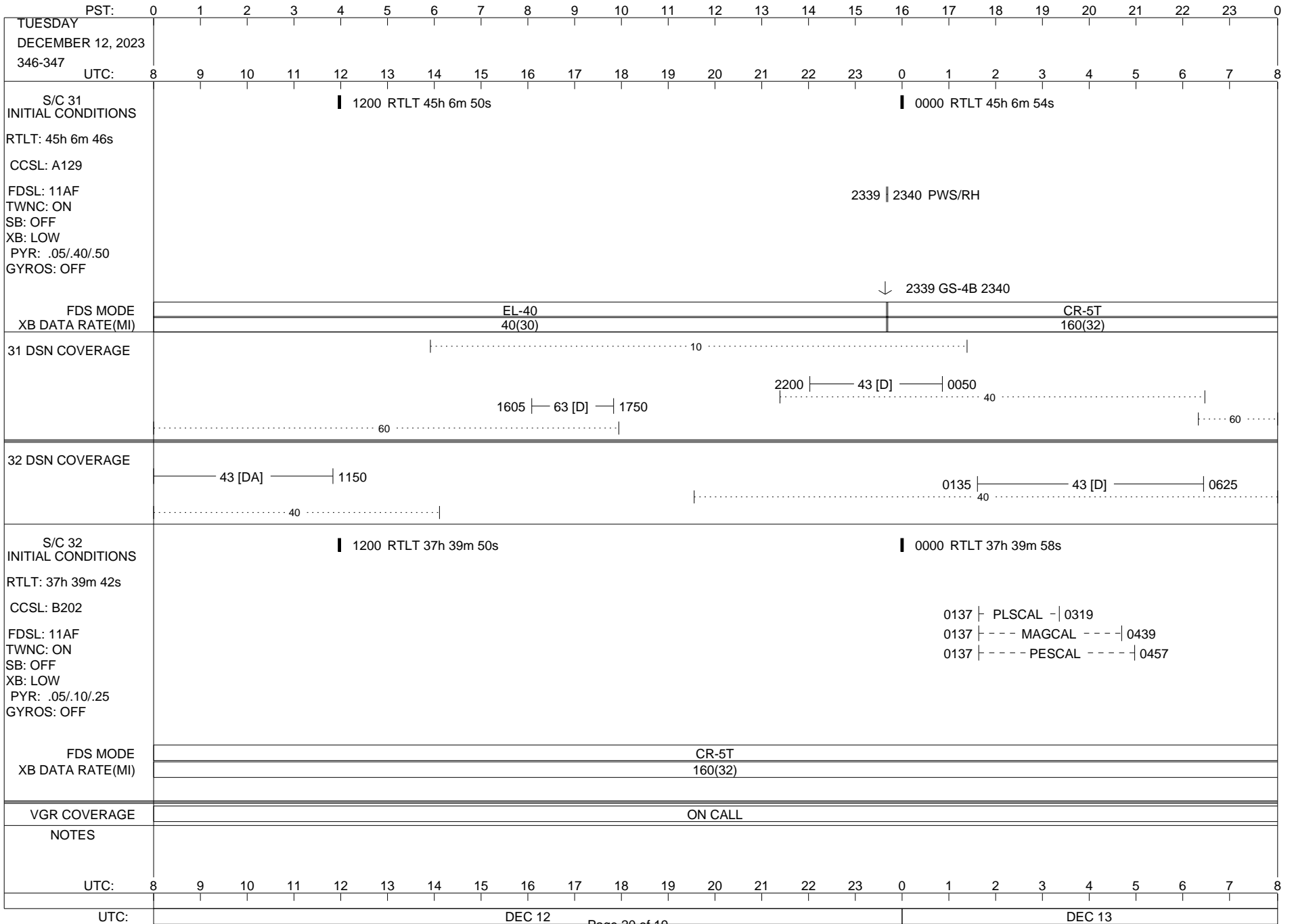


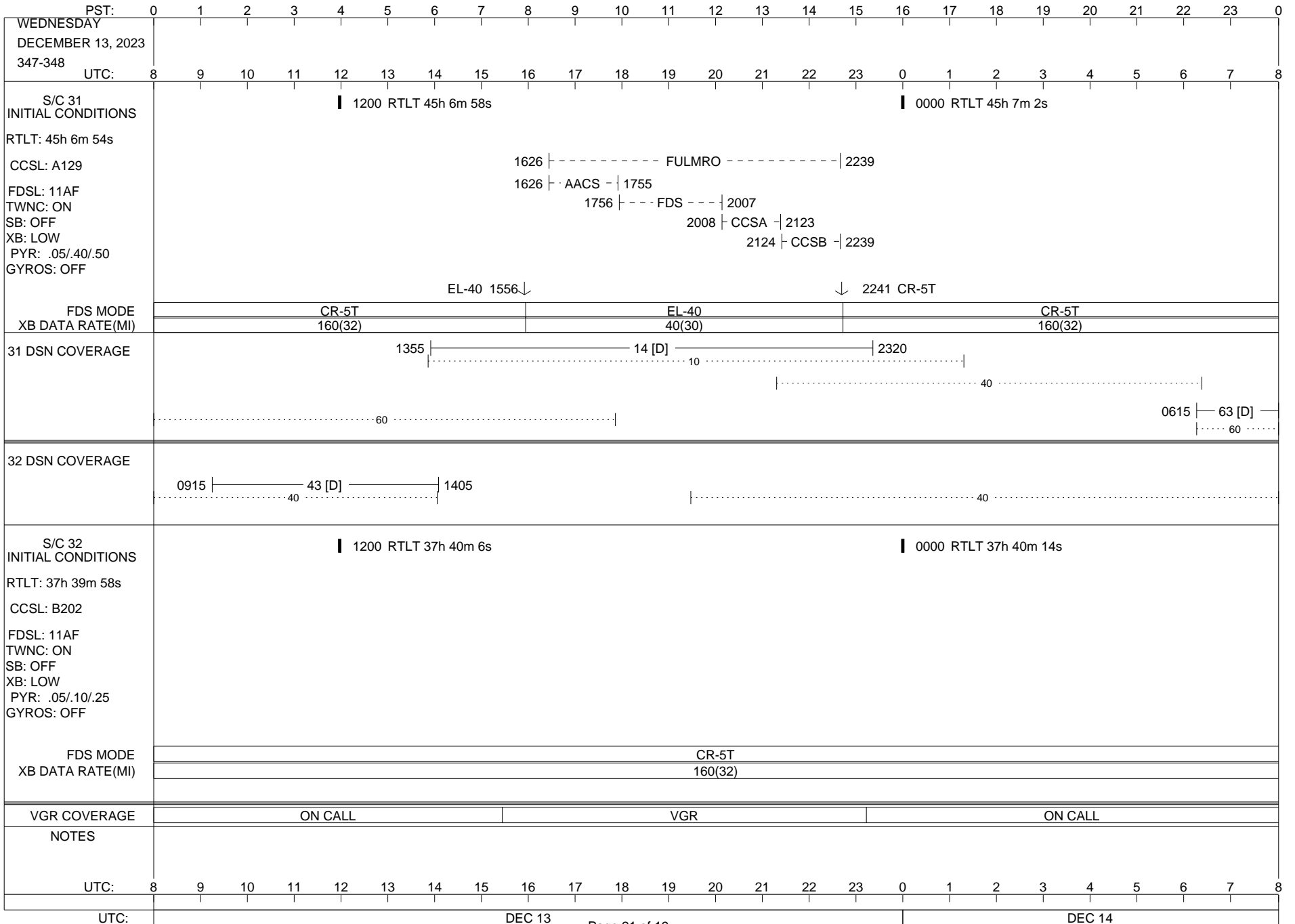
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SUNDAY DECEMBER 10, 2023 344-345																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 45h 6m 26s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLTL 45h 6m 32s												0000 RTLTL 45h 6m 36s												
													* ↓ 2053 FDS CMD ENA * 2057 2058 FDS POR & SCV-W1 2058 2059 FDS POR & SVC-W3 2059 2100 FDS POR & SVC-W4 2101 2102 FDS POR & SVC-W5 2102 2103 FDS POR & SVC-W2 * ↓ 2142 EL-40												
	----- TLC (SHORT-FORM) -----																							D/L - 2334	
FDS MODE	CR-5T												EL-40												
XB DATA RATE(MI)	160(32)												40(30)												
31 DSN COVERAGE 60 63 [D] 1100 60												2040 ----- 14 [D] ----- 0130 40 60												
32 DSN COVERAGE 40 1015 ----- 43 [D] ----- 1415 40 40												
S/C 32 INITIAL CONDITIONS RTLTL: 37h 39m 10s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	1200 RTLTL 37h 39m 18s												0000 RTLTL 37h 39m 26s												
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 10												Page 18 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
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												

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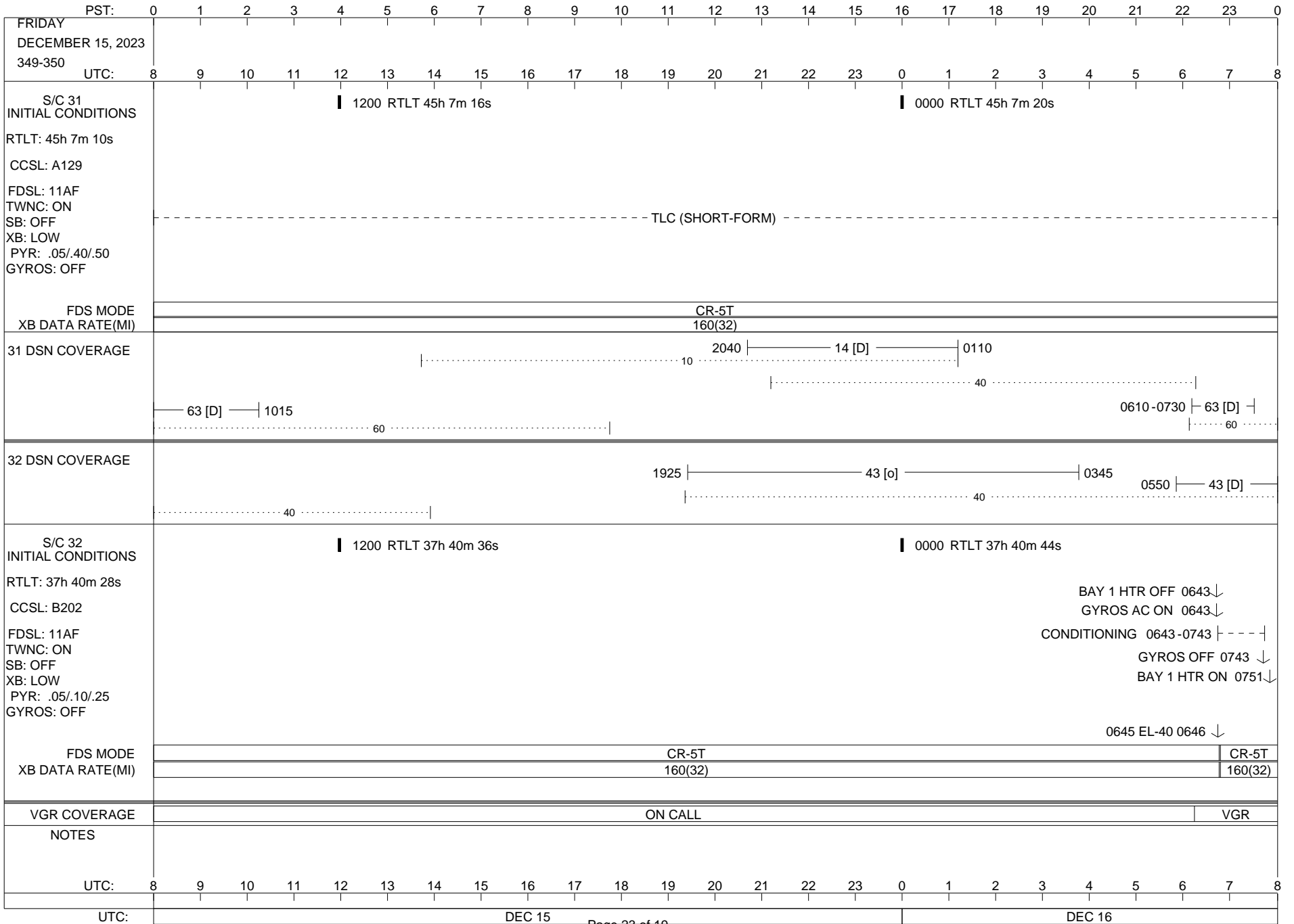




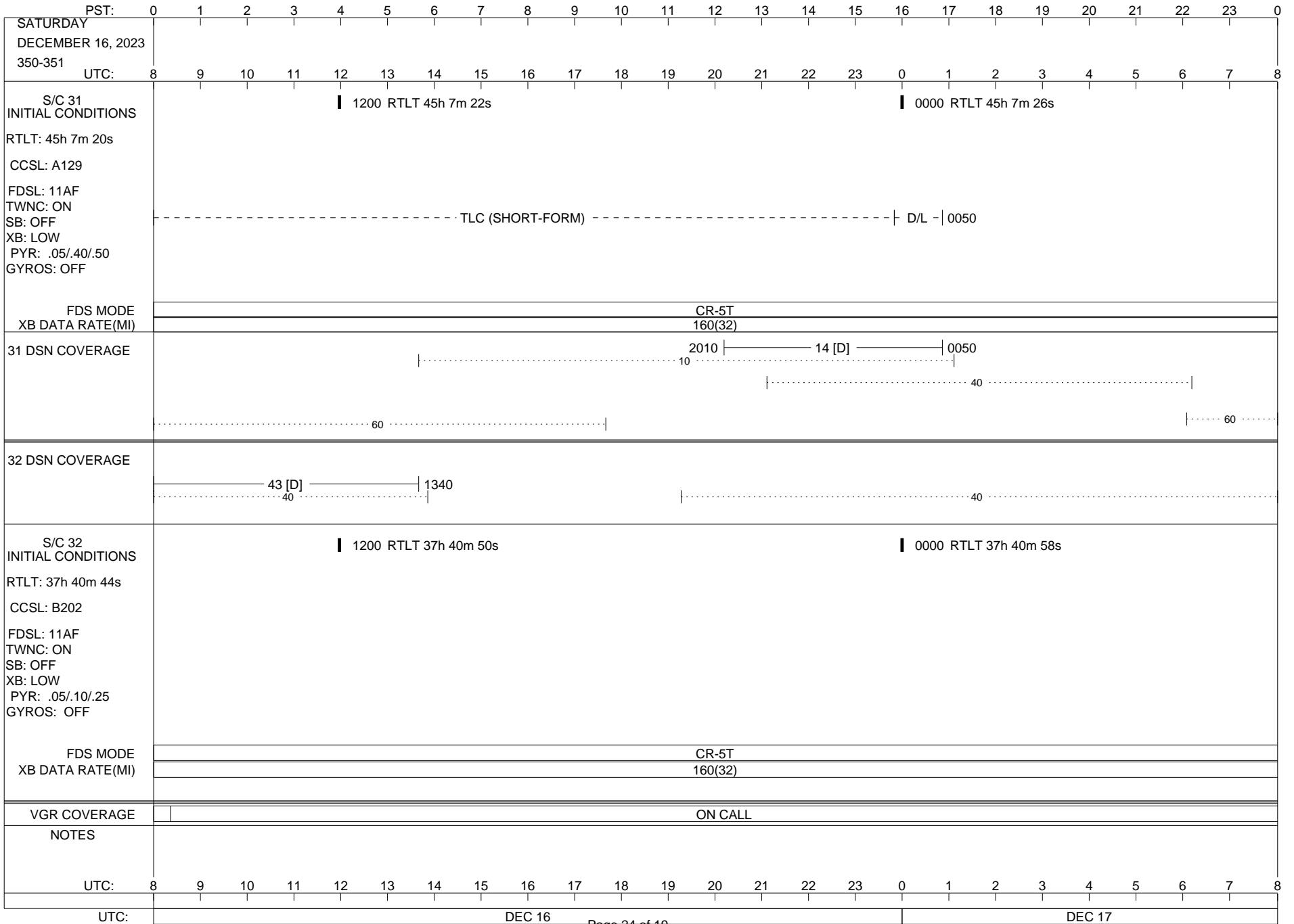
ISSUE DATE: 12/06/23 11:53

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THURSDAY DECEMBER 14, 2023 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 RTLTL: 45h 7m 2s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLTL 45h 7m 6s														█ 0000 RTLTL 45h 7m 10s															
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)															
31 DSN COVERAGE	<p>1350 14 [D] 1545</p> <p>63 [D] 1015</p> <p>0100 43 [HT] 0255</p> <p>0615 63 [D]</p>																													
32 DSN COVERAGE	<p>0955 43 [o] 1355</p> <p>0340-0745 34 [DAR]</p> <p>0340-0745 43 [DA]</p>																													
S/C 32 INITIAL CONDITIONS RTLTL: 37h 40m 14s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 37h 40m 20s														█ 0000 RTLTL 37h 40m 28s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)														CR-5T 160(32)															
VGR COVERAGE	ON CALL														VGR				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 14														DEC 15															

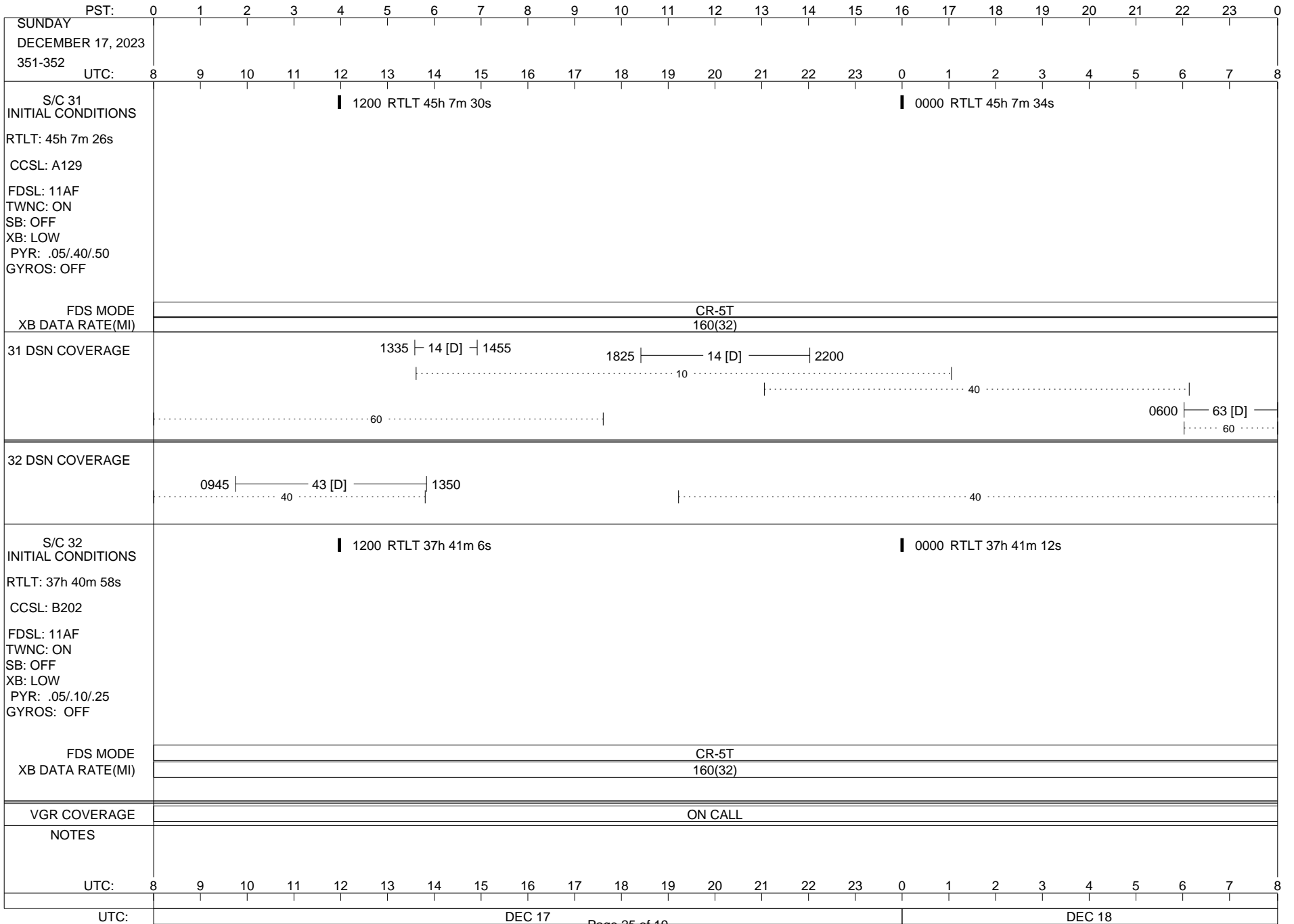
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