

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 7, 2022

For the Period: 12/08/22 to 12/26/22 (22/342 – 22/360)



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

02/27/19

ISSUE DATE: 12/07/22 09:16

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

THURSDAY
DECEMBER 8, 2022
342-343 UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

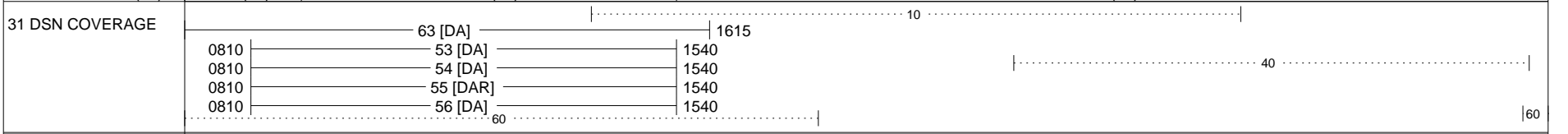
S/C 31
INITIAL CONDITIONS
 RTLT: 44h 6m 56s
 CCSL: BASELINE
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/100/.25
 GYROS: OFF

1200 RTLT 44h 7m 2s
 0000 RTLT 44h 7m 6s

↓ 0826 BAY 1 HTR OFF
 ↓ 0830 X/B HI POWER
 ↓ 0852 YAW=.05
 0903 |----- PLAYBACK -----| 1539
 ↓ 1543 X/B LOW POWER
 ↓ 1547 BAY 1 HTR ON
 ↓ 1548 YAW=.10

↓ 0903 PB-14 0903
 ↓ 1539 CR-5T 1539

FDS MODE	CR-5T	PB-14	CR-5T
XB DATA RATE(MI)	160(32)	1.4K(39)	160(32)



S/C 32
INITIAL CONDITIONS
 RTLT: 36h 46m 0s
 CCSL: BASELINE
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/10/.25
 GYROS: OFF

1200 RTLT 36h 46m 10s
 0000 RTLT 36h 46m 18s

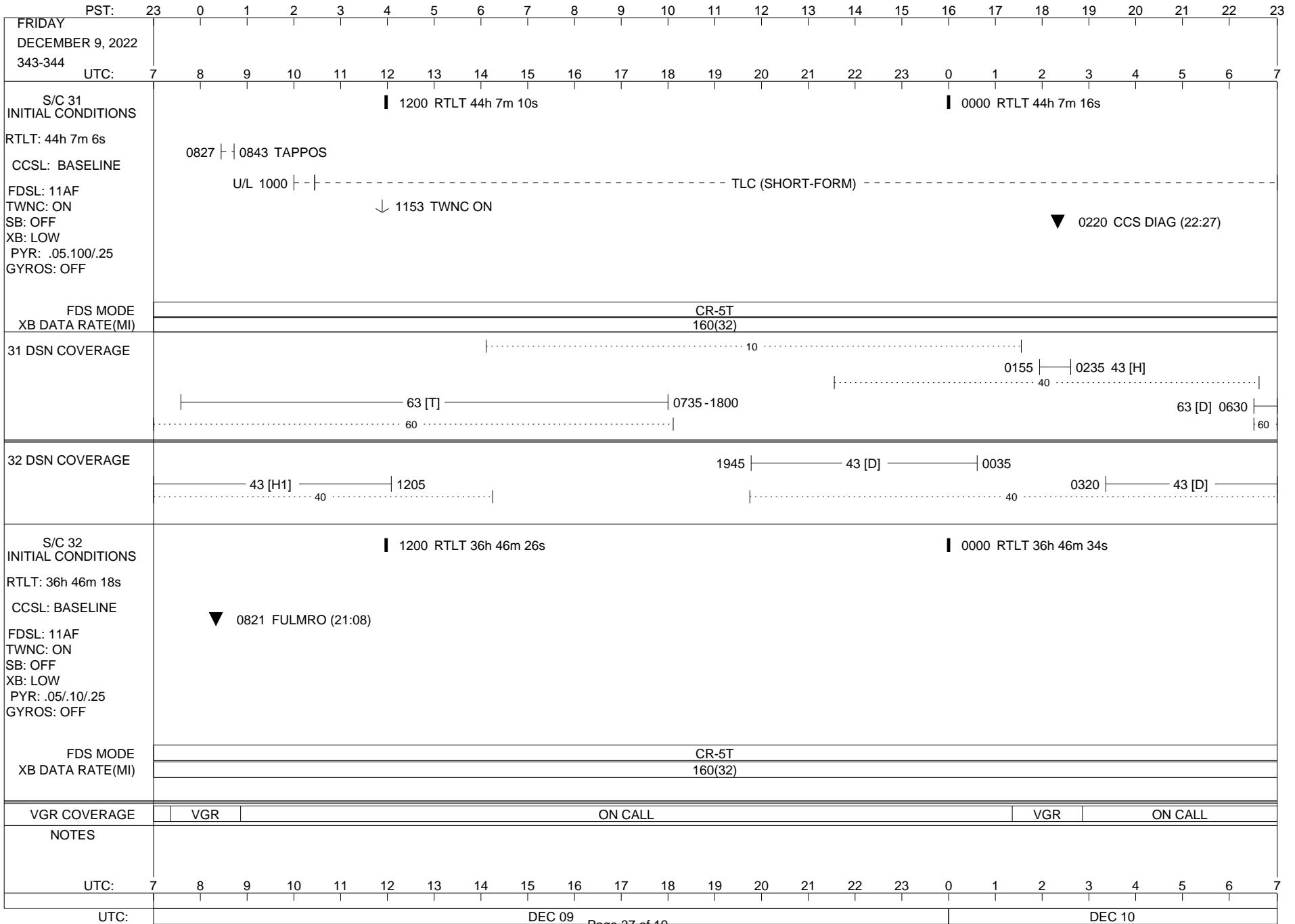
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)

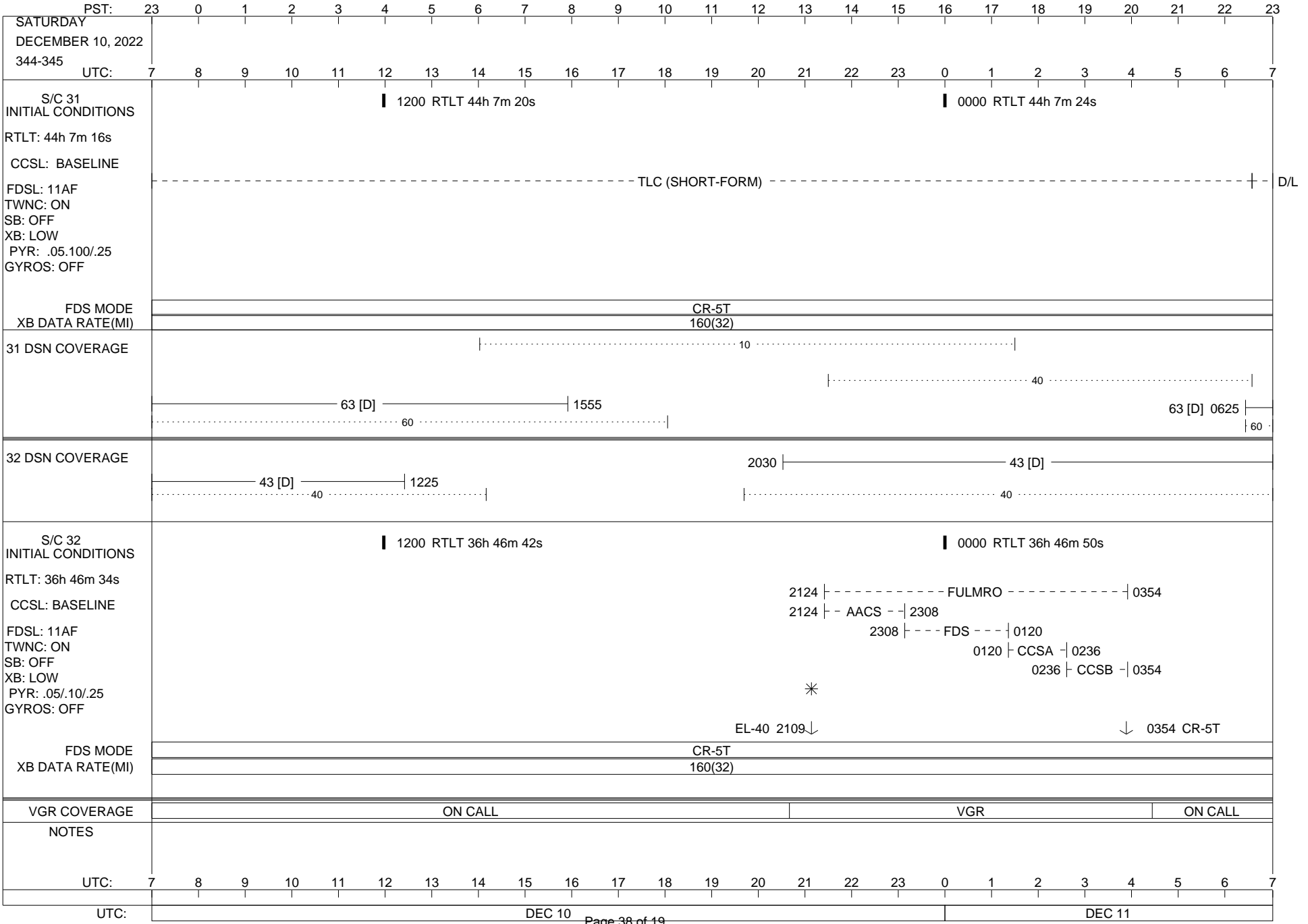
VGR COVERAGE VGR ON CALL

NOTES
 [1] HP TXR DRV ON >= 21:13 AND OFF <= 12:48

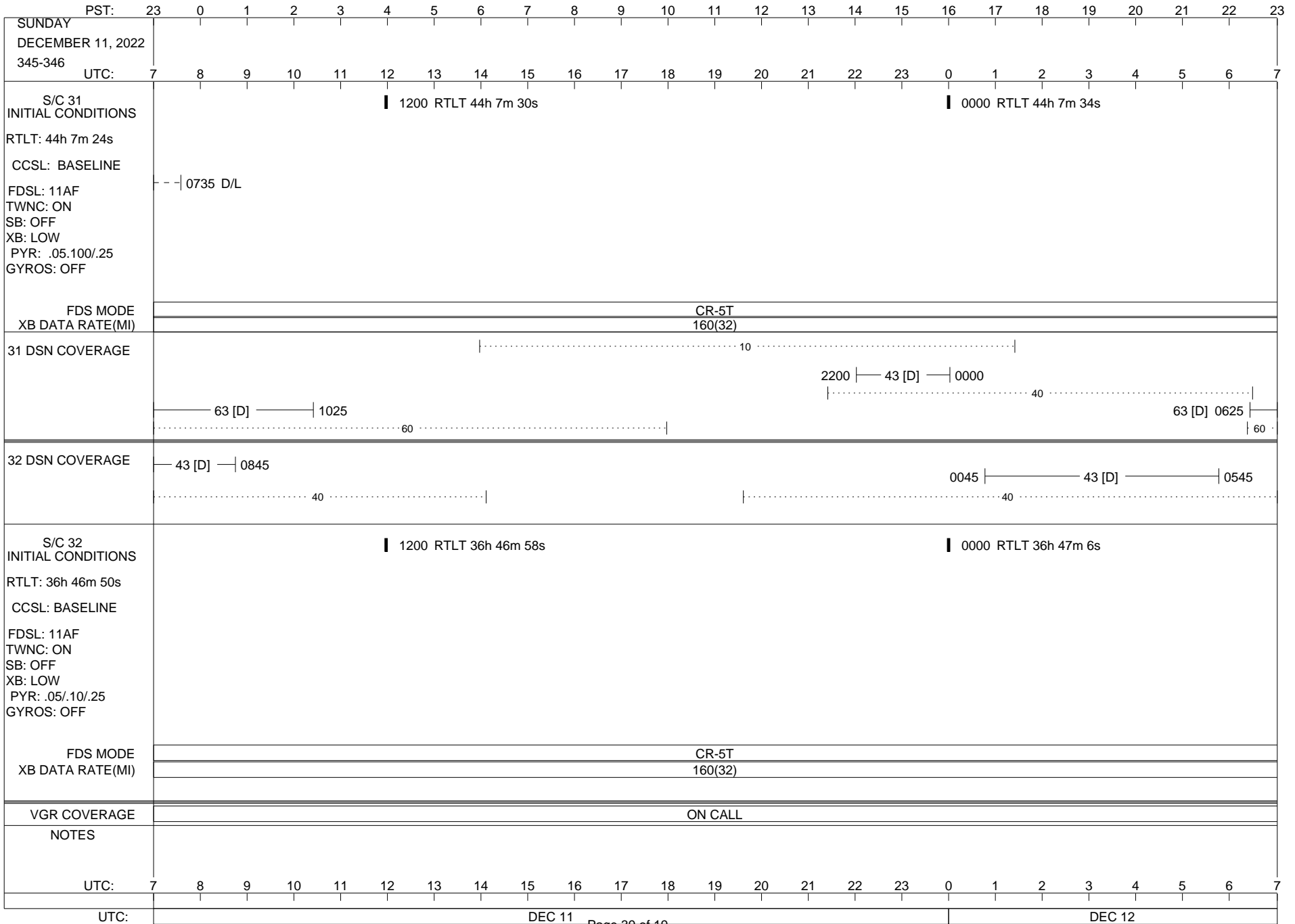
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: DEC 08 DEC 09



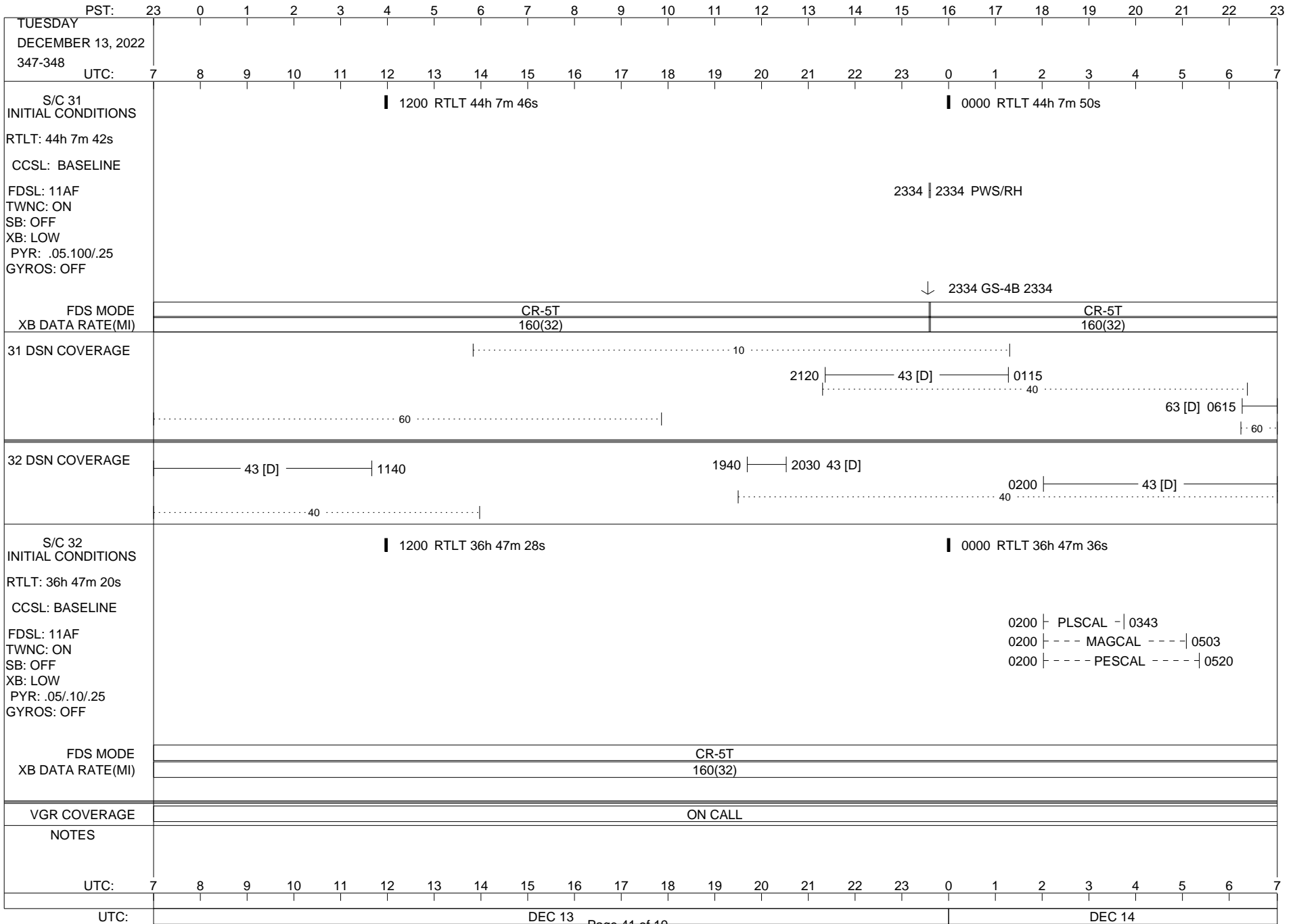


ISSUE DATE: 12/07/22 09:16

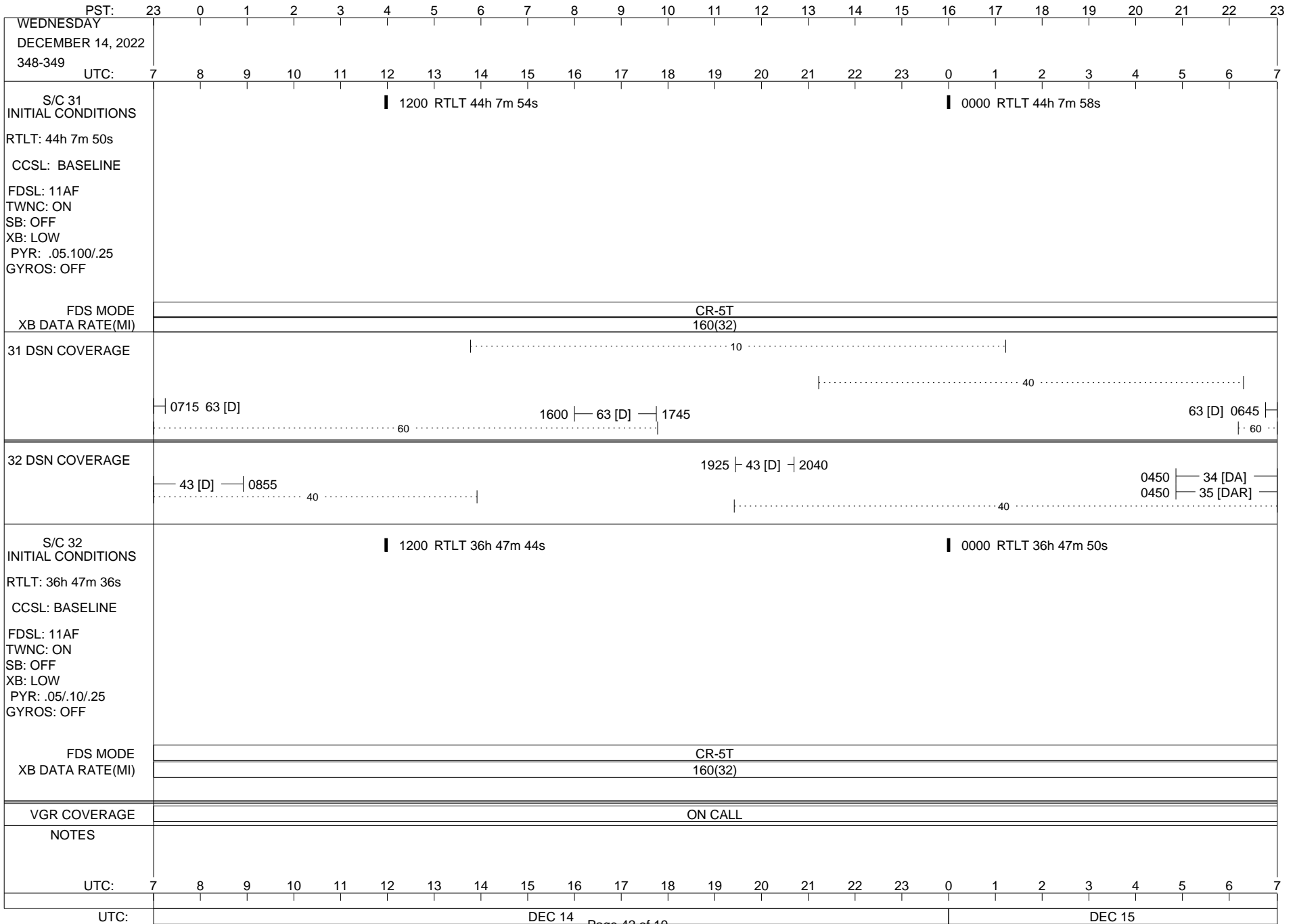


PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MONDAY DECEMBER 12, 2022 346-347	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 44h 7m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/100/.25 GYROS: OFF	1200 RTLT 44h 7m 38s												0000 RTLT 44h 7m 42s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	63 [D] 1230												2120 43 [D] 0305												
32 DSN COVERAGE	40												0350 43 [D]												
S/C 32 INITIAL CONDITIONS RTLTL: 36h 47m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	1200 RTLT 36h 47m 12s												0000 RTLT 36h 47m 20s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
UTC:	DEC 12												DEC 13												

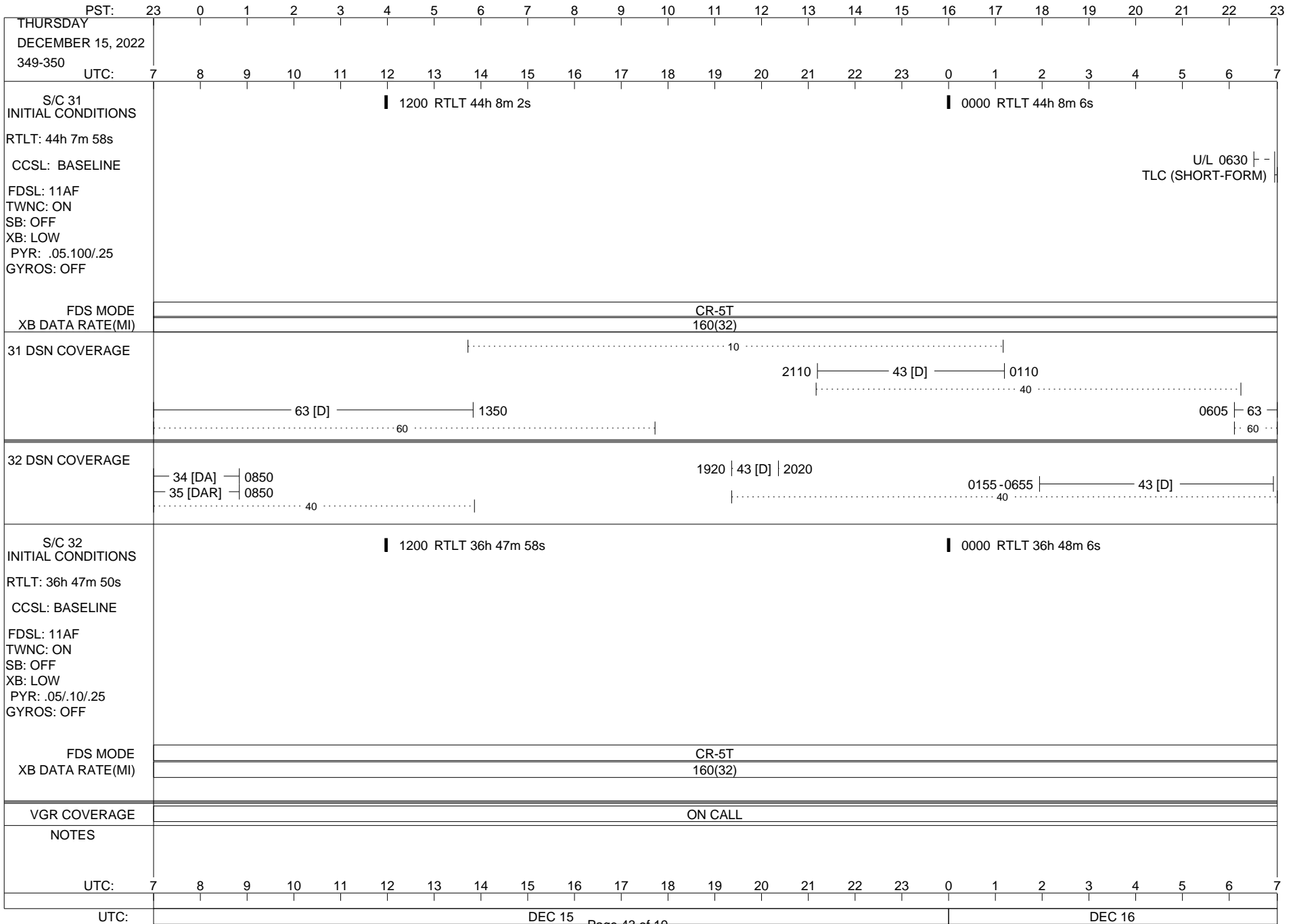
ISSUE DATE: 12/07/22 09:16



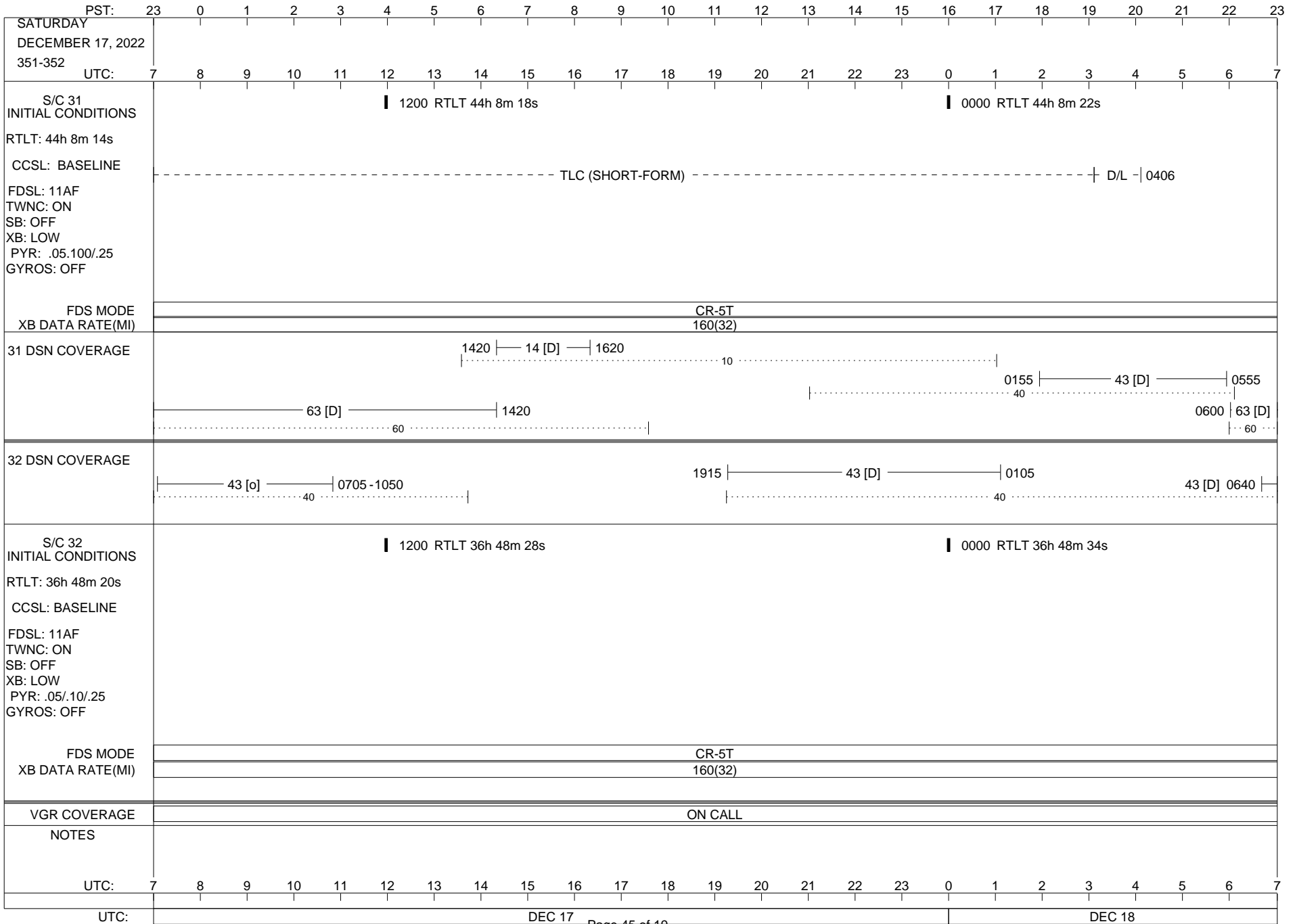
ISSUE DATE: 12/07/22 09:16

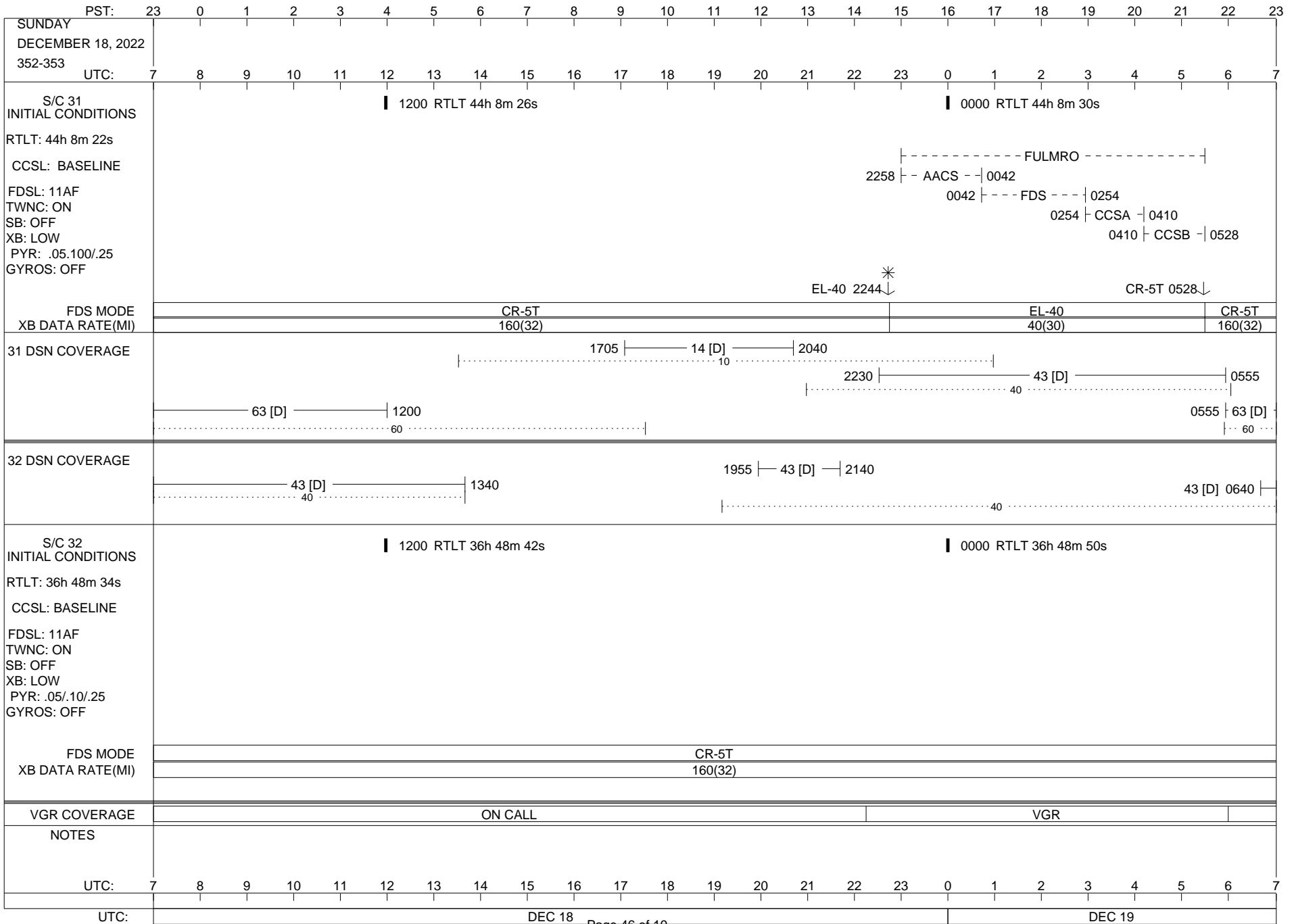


ISSUE DATE: 12/07/22 09:16



		PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23									
FRIDAY DECEMBER 16, 2022 350-351		UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7									
S/C 31 INITIAL CONDITIONS RTLTL: 44h 8m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/100/.25 GYROS: OFF FDS MODE XB DATA RATE(MI)		1200 RTLTL 44h 8m 10s											0000 RTLTL 44h 8m 14s																							
		----- TLC (SHORT-FORM) -----																																		
		▼ 0235 FULMRO (22:43)																																		
31 DSN COVERAGE		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>63 ————— 1225</p> <p>60</p> </div> <div style="width: 10%; text-align: center;">10</div> <div style="width: 40%;"> <p>0210 ————— 43 [H] ————— 0605</p> <p>40</p> <p>63 [D] 0620 </p> <p>60</p> </div> </div>																																		
32 DSN COVERAGE		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>40</p> </div> <div style="width: 10%; text-align: center;">1920</div> <div style="width: 40%;"> <p>43 [B] ————— 0050</p> <p>40</p> </div> </div>																																		
S/C 32 INITIAL CONDITIONS RTLTL: 36h 48m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF FDS MODE XB DATA RATE(MI)		1200 RTLTL 36h 48m 14s											0000 RTLTL 36h 48m 20s																							
		▼ 2032 DUMMY (5 MIN BRACKETED 09:21)																																		
VGR COVERAGE		ON CALL							VGR							ON CALL							VGR							ON CALL						
NOTES																																				
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7										
UTC:		DEC 16														DEC 17																				

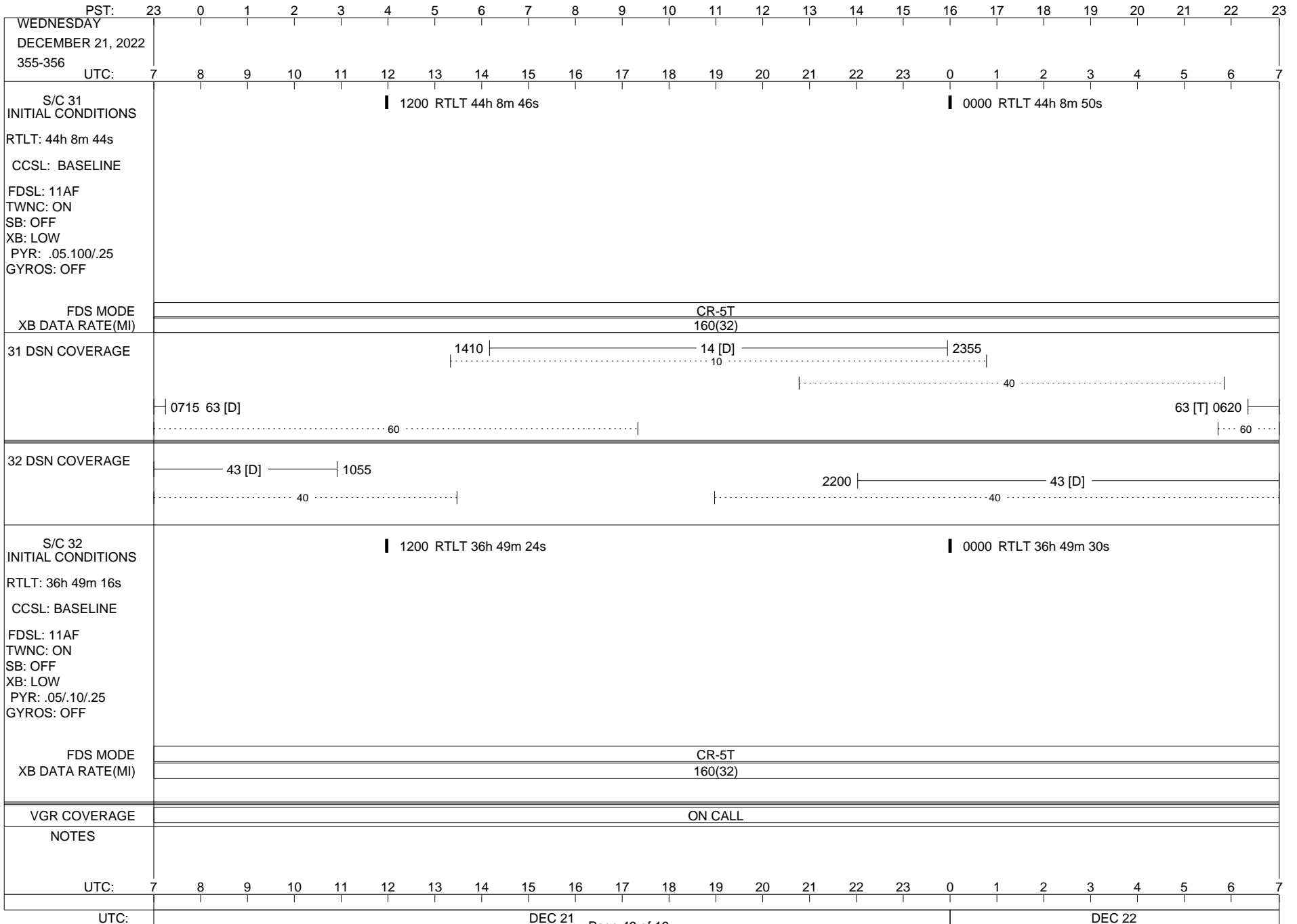




		PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
MONDAY																												
DECEMBER 19, 2022																												
353-354		UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS								1200													0000							
RTLT: 44h 8m 30s																												
CCSL: BASELINE																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: LOW																												
PYR: .05/100/.25																												
GYROS: OFF																												
FDS MODE																												
XB DATA RATE(MI)																												
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS								1200													0000							
RTLT: 36h 48m 50s																												
CCSL: BASELINE																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: LOW																												
PYR: .05/10/.25																												
GYROS: OFF																												
FDS MODE																												
XB DATA RATE(MI)																												
VGR COVERAGE																												
NOTES																												
UTC:			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:			DEC 19													DEC 20												

		PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
TUESDAY DECEMBER 20, 2022 354-355		UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 44h 8m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/100/.25 GYROS: OFF		1200 RTLT 44h 8m 40s											0000 RTLT 44h 8m 44s														
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)											CR-5T 160(32)														
31 DSN COVERAGE		1410 ----- 14 [D] ----- 1840 ----- 10 -----											----- 40 -----														
		60 ----- 60 -----											0550 63 [D] ----- 60 -----														
32 DSN COVERAGE		0915 ----- 43 [D] ----- 1315 ----- 40 -----											1955 ----- 43 [D] ----- ----- 40 -----														
S/C 32 INITIAL CONDITIONS RTLT: 36h 49m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF		1200 RTLT 36h 49m 10s											0000 RTLT 36h 49m 16s														
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																									
VGR COVERAGE		ON CALL																									
NOTES																											
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:		DEC 20											DEC 21														

ISSUE DATE: 12/07/22 09:16



PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
THURSDAY DECEMBER 22, 2022 356-357																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 44h 8m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/100/.25 GYROS: OFF	1200 RTLT 44h 8m 52s												0000 RTLT 44h 8m 56s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
31 DSN COVERAGE	63 [T] ----- 1515 60												2355 43 [H] 0105 40													
32 DSN COVERAGE	43 [D] ----- 1320 40												1855 ----- 43 [D] ----- 2235 40													
S/C 32 INITIAL CONDITIONS RTLT: 36h 49m 30s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	1200 RTLT 36h 49m 38s												0000 RTLT 36h 49m 44s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE	ON CALL												VGR			ON CALL										
NOTES																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
UTC:	DEC 22												Page 50 of 19						DEC 23							

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		PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FRIDAY DECEMBER 23, 2022 357-358		UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 44h 8m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/100/.25 GYROS: OFF				1200 RTLTL 44h 8m 58s											0000 RTLTL 44h 9m 2s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)														
31 DSN COVERAGE				-----63 [D]----- 0950											-----1755----- 14 [D] -----2250-----												
				-----60-----											-----40-----												
32 DSN COVERAGE				0750 -----43 [D]----- 1140											1855 -----43 [B]----- 2305												
				-----40-----											-----40-----												
S/C 32 INITIAL CONDITIONS RTLTL: 36h 49m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF				1200 RTLTL 36h 49m 50s											0000 RTLTL 36h 49m 58s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)														
VGR COVERAGE		ON CALL											VGR														
NOTES													▼ 1932 DUMMY (5 MIN BRACKETED 08:22)														
		UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
		UTC:	DEC 23											DEC 24													

