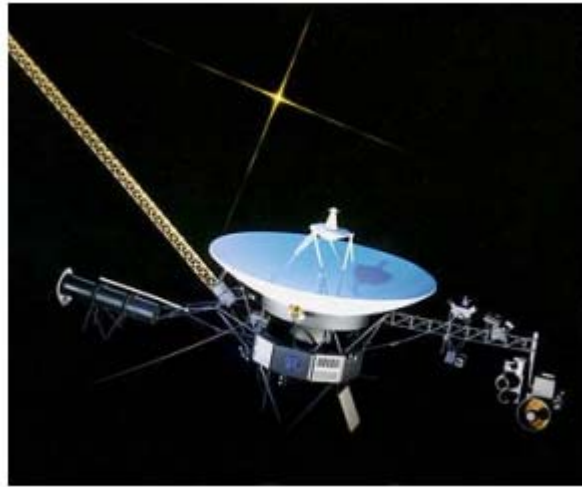


# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: November 10, 2021

For the Period: 11/11/21 to 11/29/21 (21/315 – 21/333)

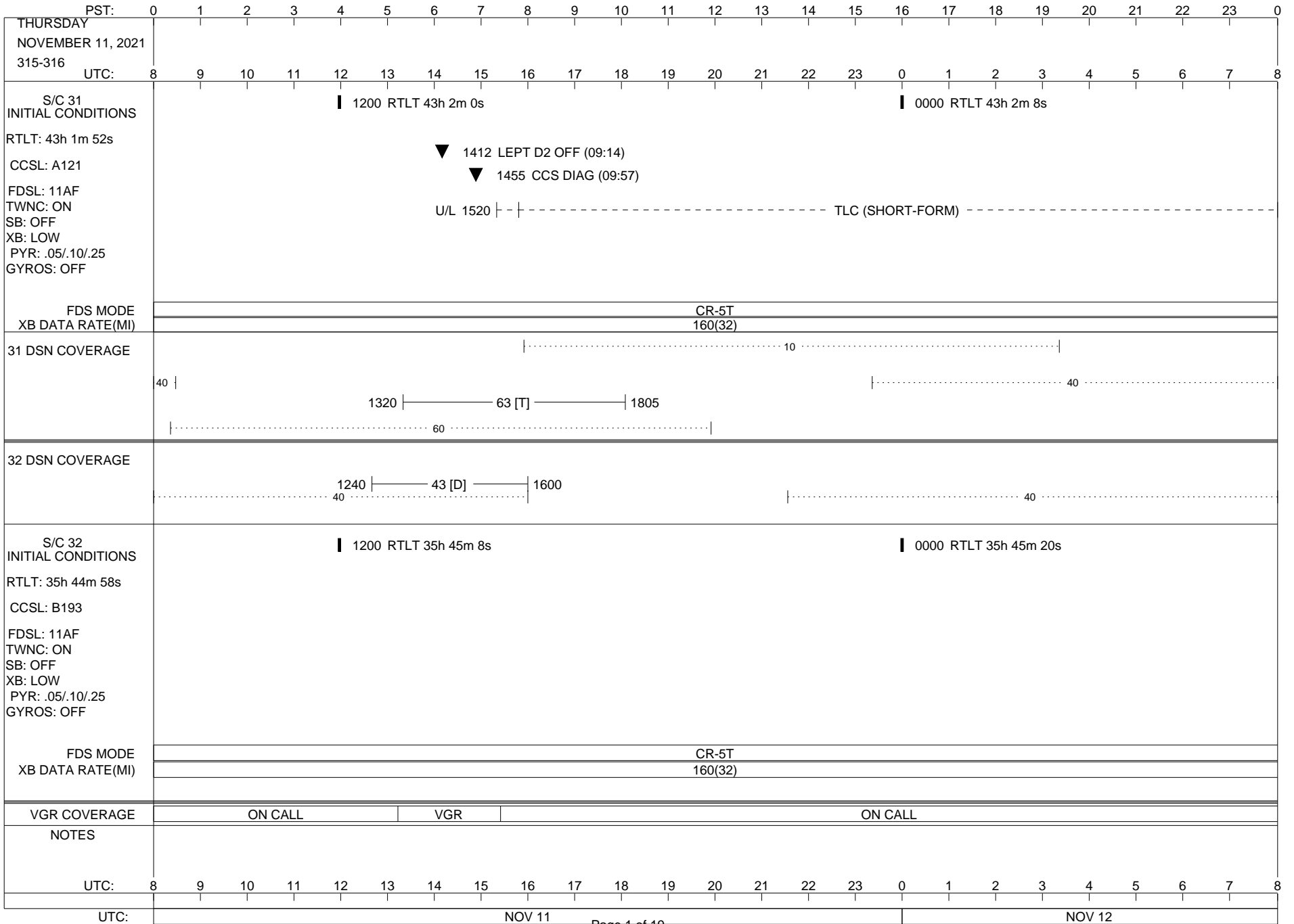


Posted at <https://voyager.jpl.nasa.gov/mission/status/>

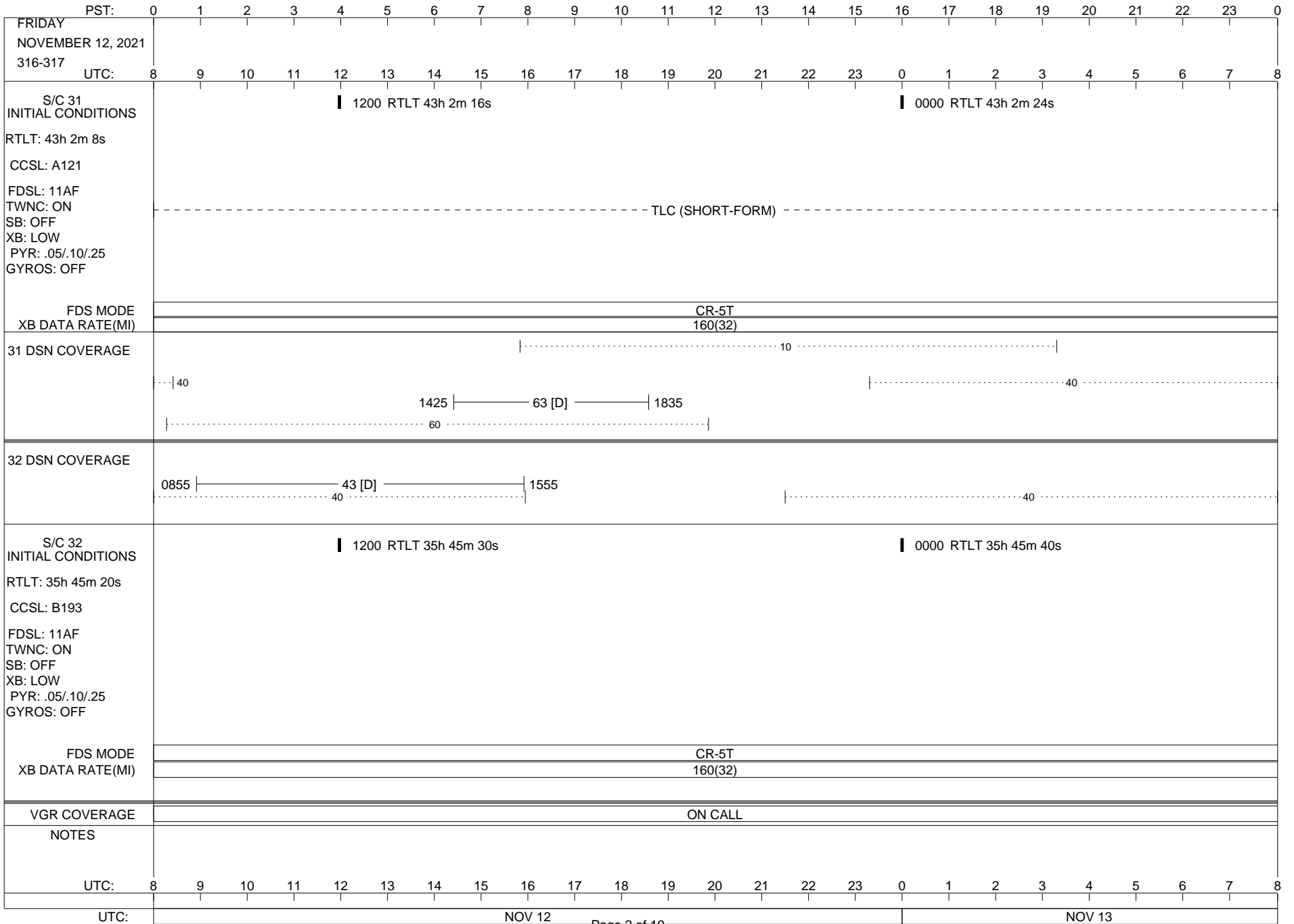
**LEGEND:**

- ▽ = 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

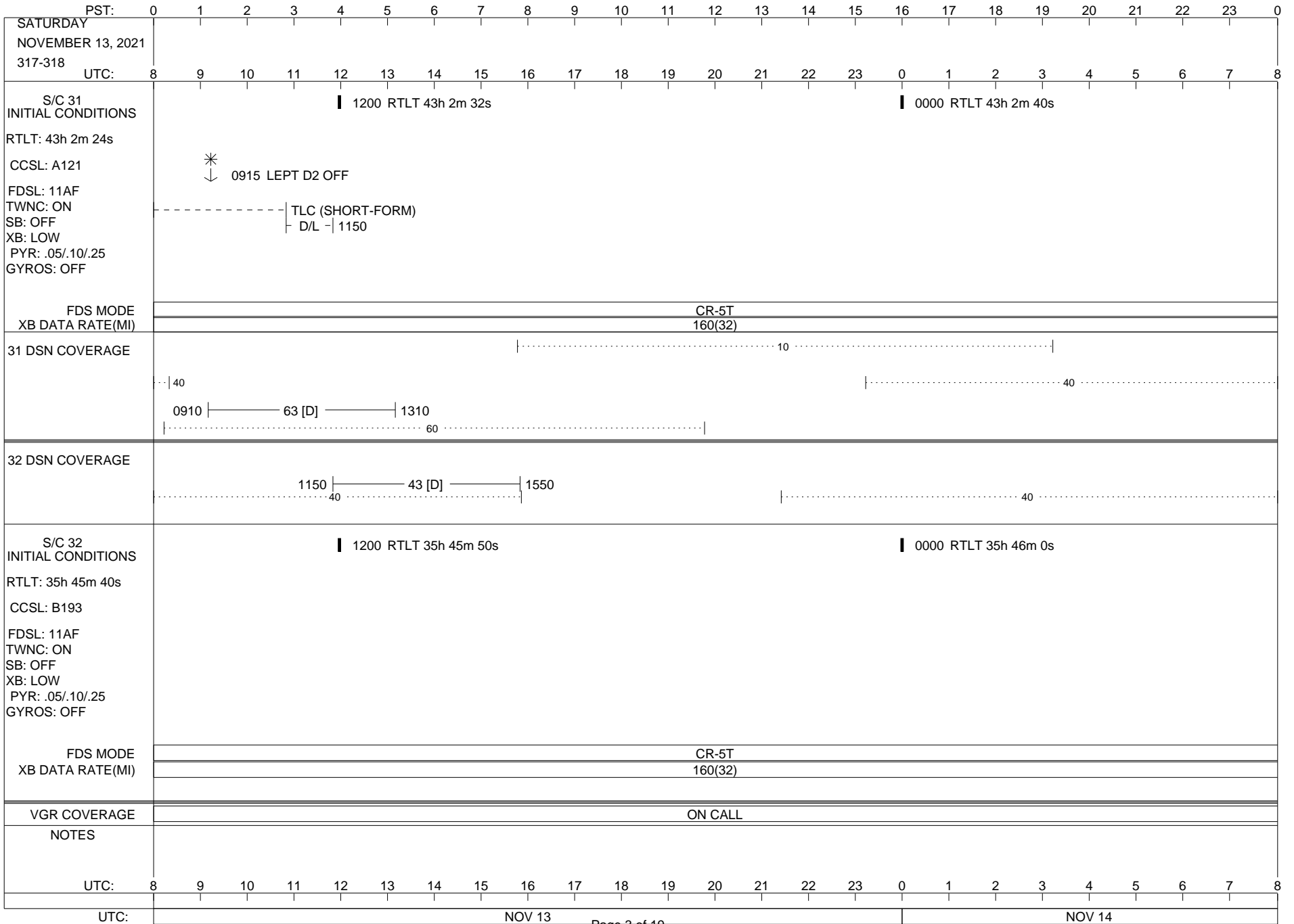
02/27/19



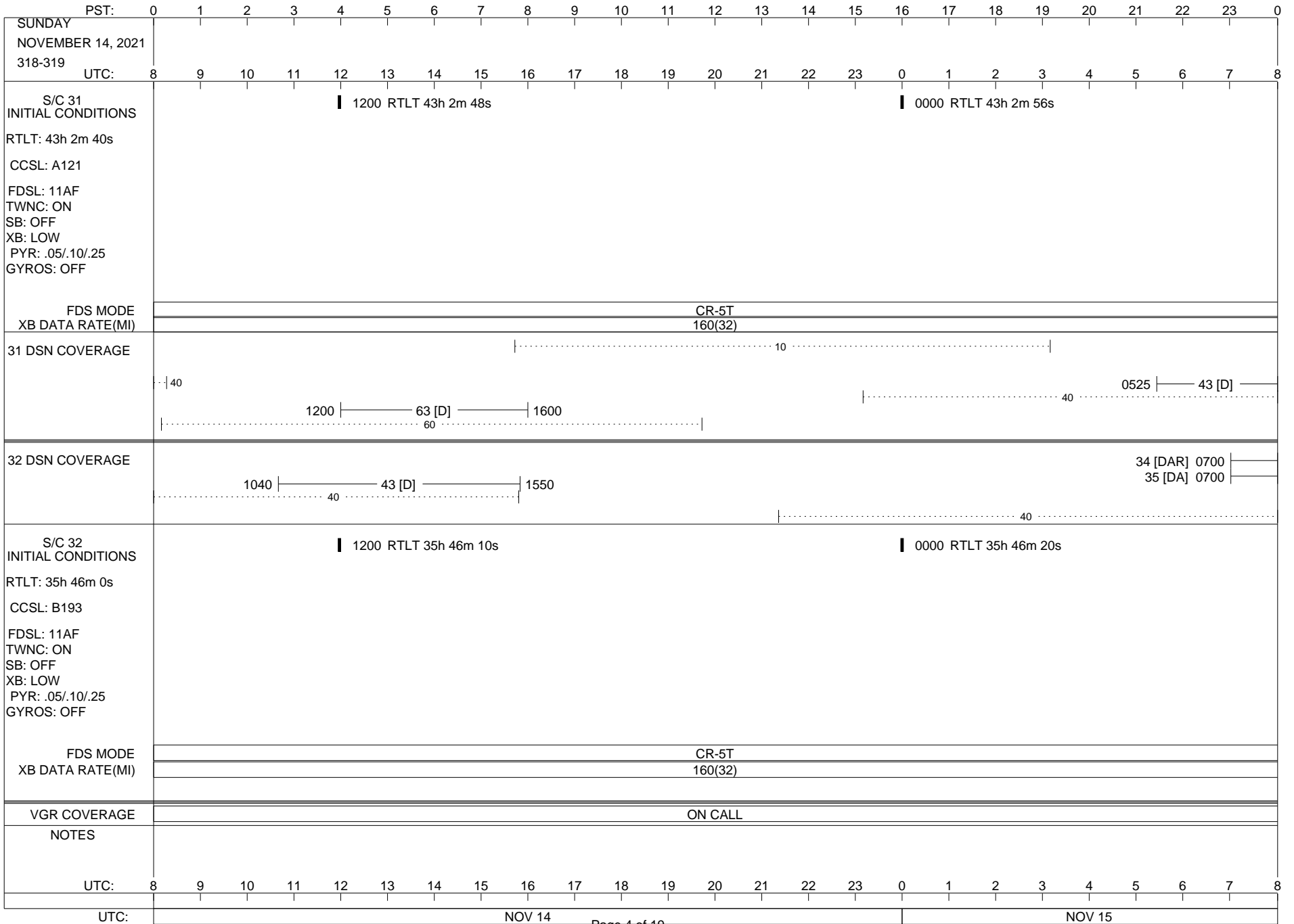
ISSUE DATE: 12/02/21 08:35



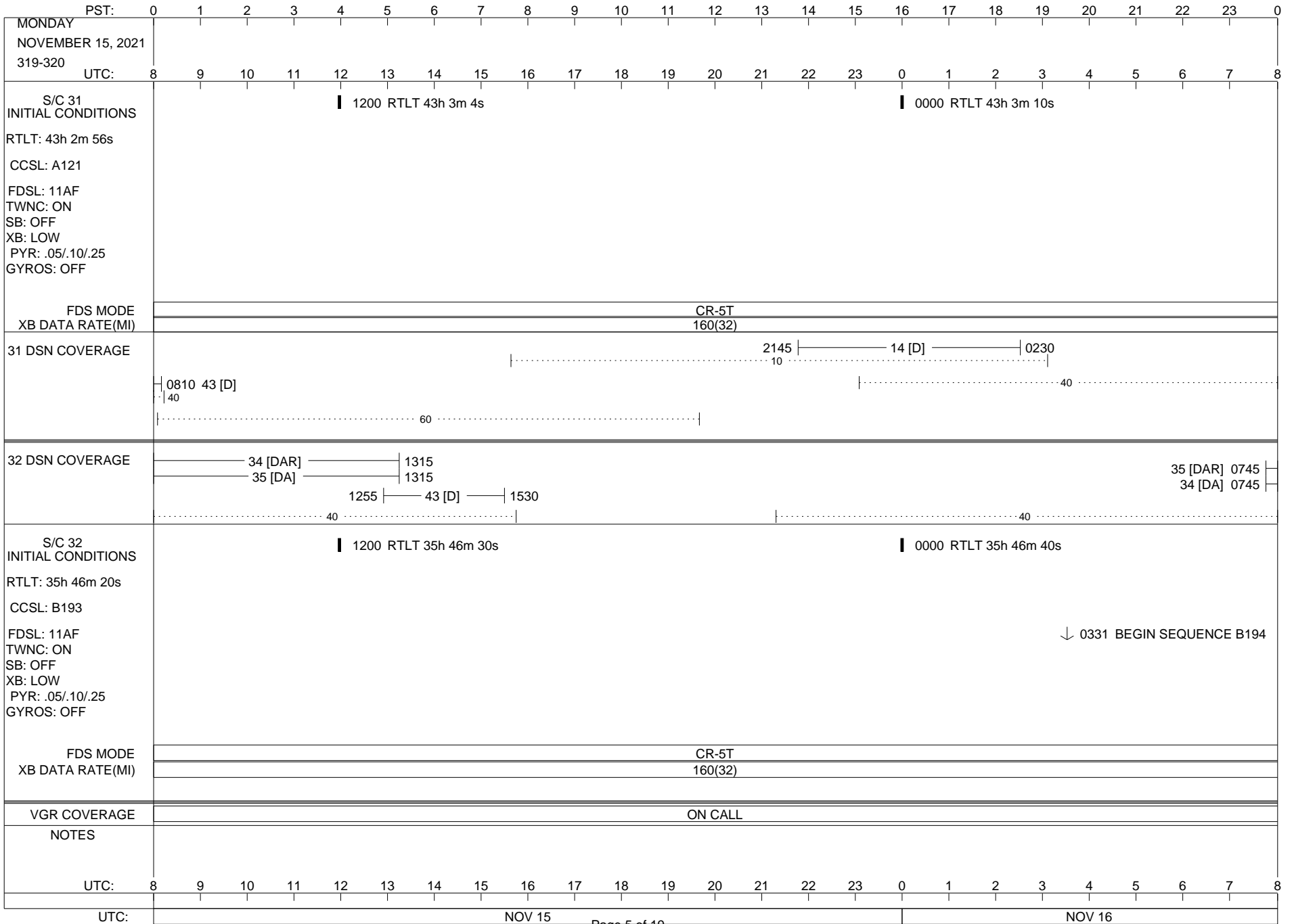
ISSUE DATE: 12/02/21 08:35



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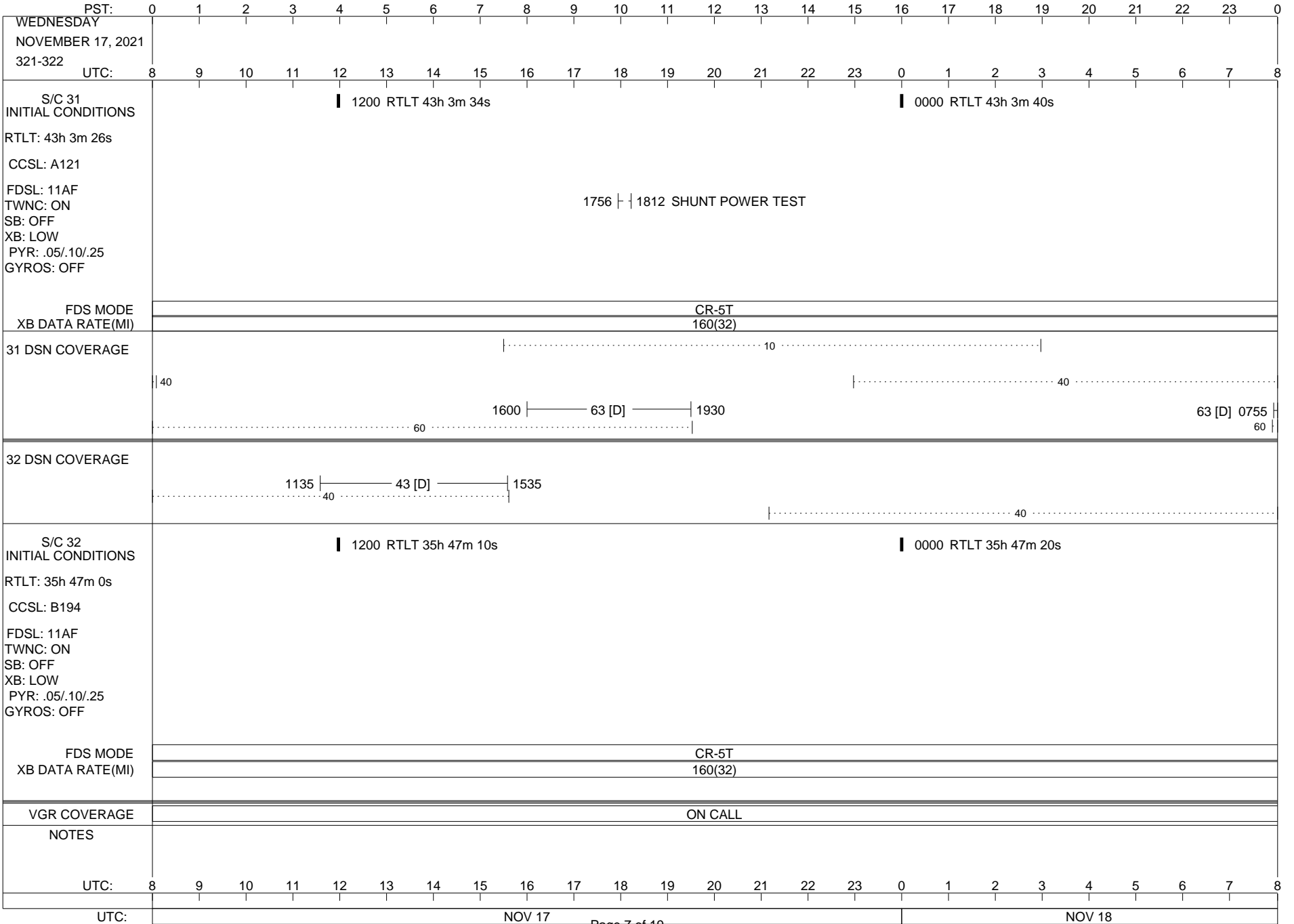
ISSUE DATE: 12/02/21 08:35



ISSUE DATE: 12/02/21 08:35

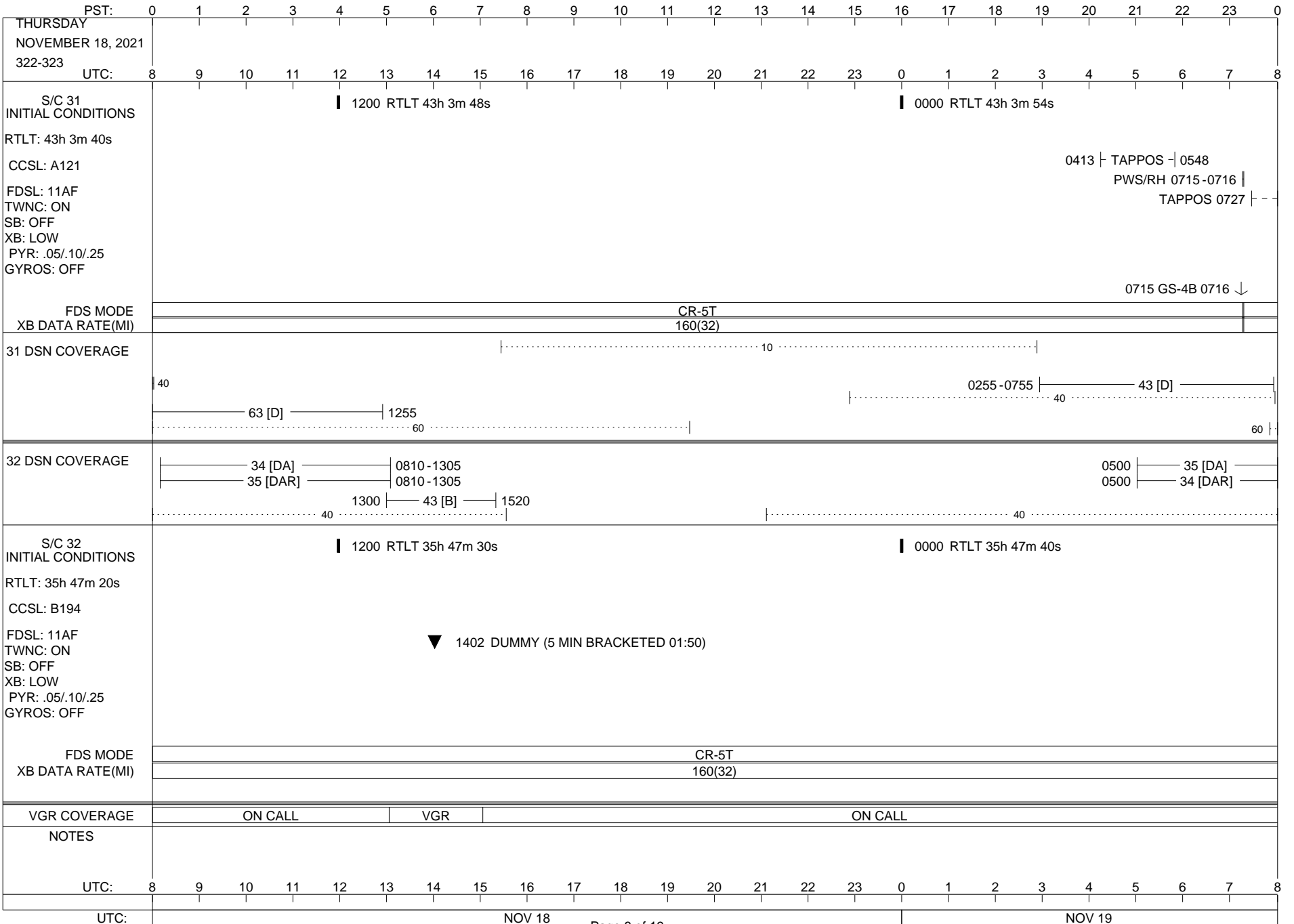
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TUESDAY NOVEMBER 16, 2021 320-321	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 43h 3m 10s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 43h 3m 18s												0000 RTLT 43h 3m 26s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1830  -----  14 [D]  -----  2230												0101   0102 PWS/RH												
	40												40												
	60												60												
32 DSN COVERAGE	35 [DAR]  -----  1310												0215  -----  43 [D]  -----  0710												
	34 [DA]  -----  1310												40												
	1250  -----  43 [D]  -----  1540												40												
S/C 32 INITIAL CONDITIONS RTLT: 35h 46m 40s CCSL: B194 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 46m 50s												0000 RTLT 35h 47m 0s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												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:	NOV 16												NOV 17												

ISSUE DATE: 12/02/21 08:35

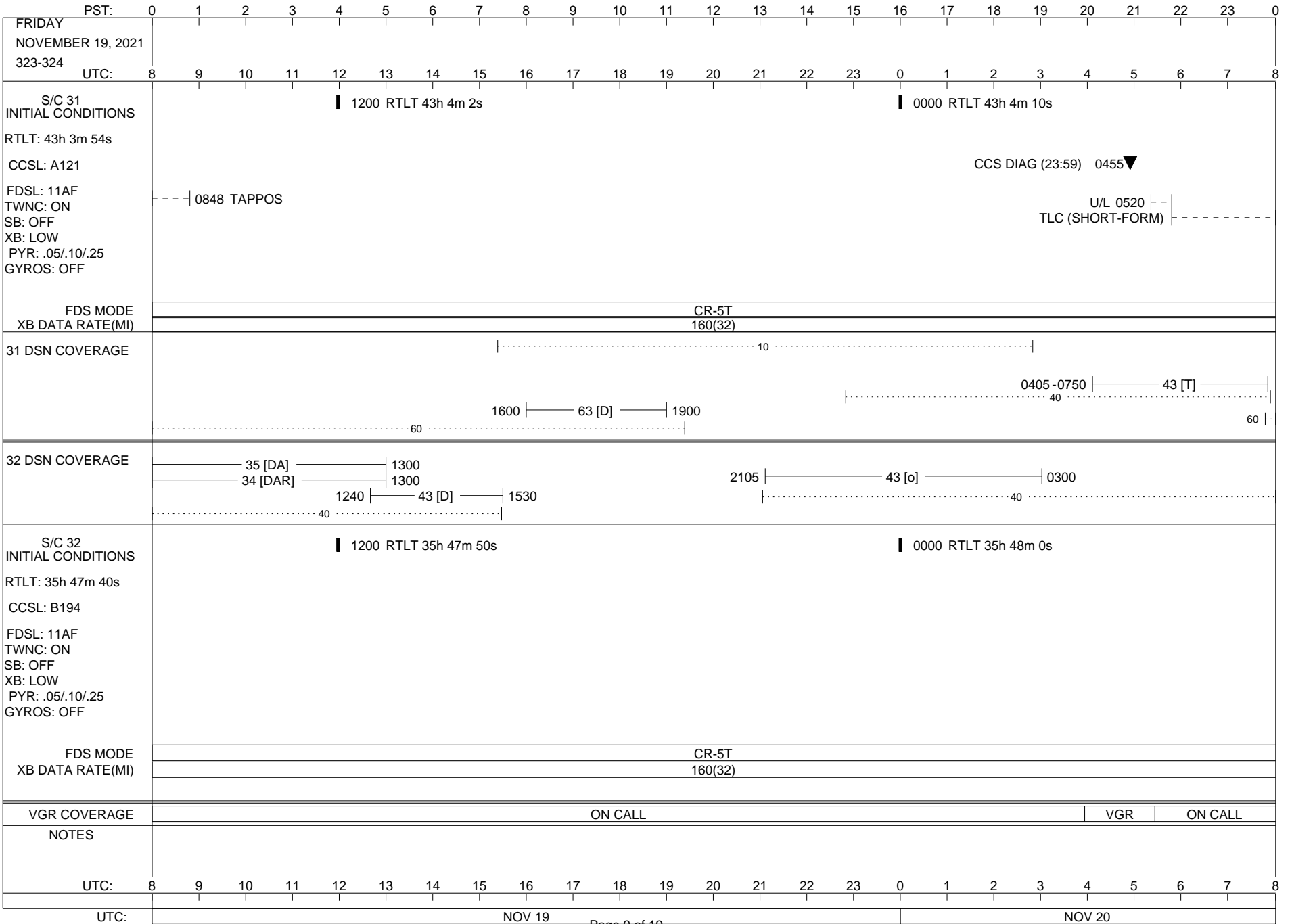




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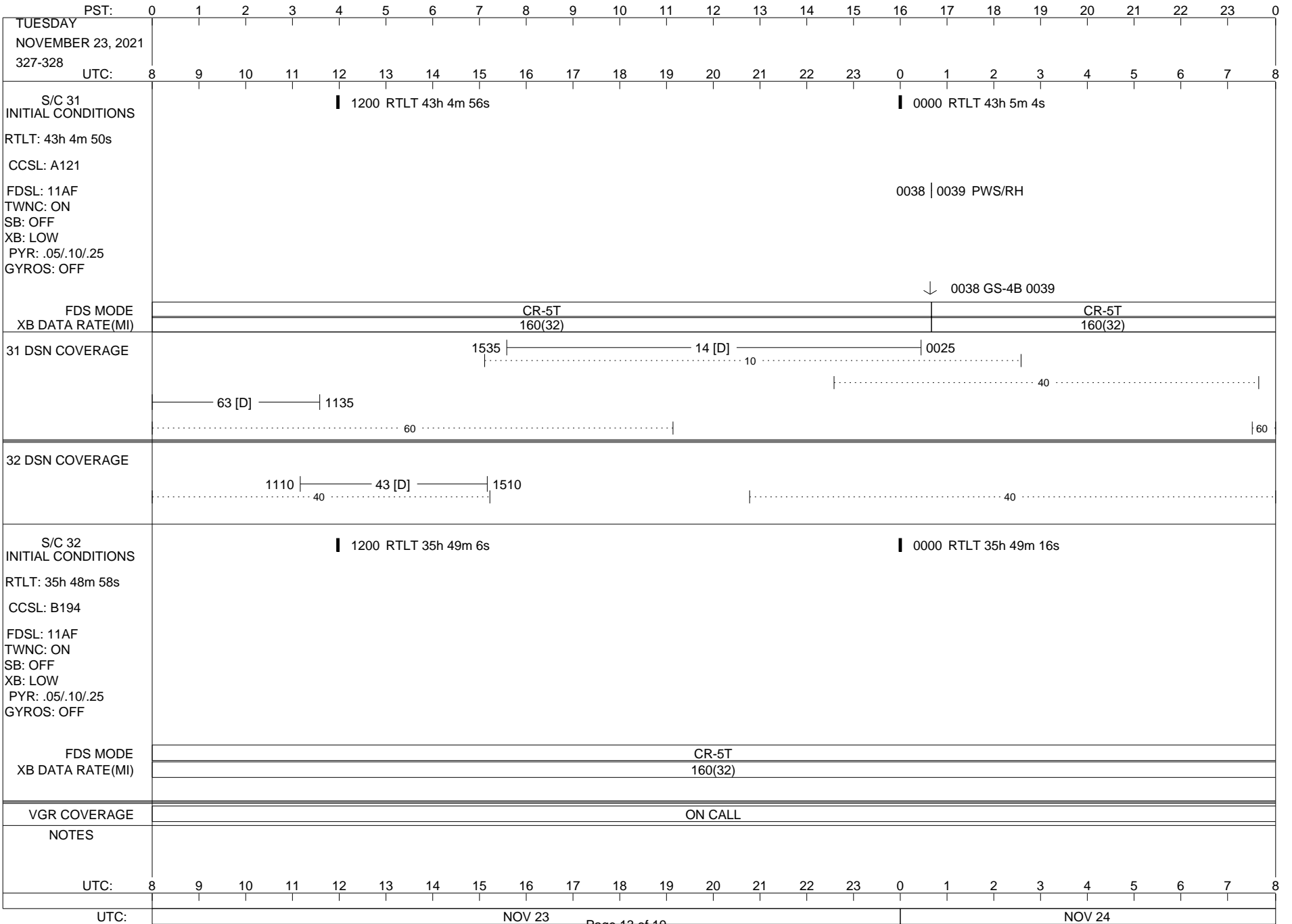




PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
SUNDAY NOVEMBER 21, 2021 325-326																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS	1200 RTLT 43h 4m 30s												0000 RTLT 43h 4m 36s													
RTL: 43h 4m 22s	--  0835 TAPPOS																									
CCSL: A121	1015   1016 PWS/RH																									
FDSL: 11AF	1027  -----  1134 TAPPOS																									
TWNC: ON	----- TLC (SHORT-FORM) -----																									
SB: OFF	+ D/L -  0152																									
XB: LOW																										
PYR: .05/.10/.25																										
GYROS: OFF																										
	↓ 1015 GS-4B 1016																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	..... 60 .....   ..... 2315  ----- 14 [D] -----  0240 ..... ..... 60 .....   ..... 40 .....   ..... 63 [D] 0740   ..... ..... 60 .....																									
32 DSN COVERAGE	----- 43 [D] -----  0805-1520 ..... 2150  ----- 43 [D] -----  0435 ..... ..... 40 .....   ..... 40 .....																									
S/C 32 INITIAL CONDITIONS	1200 RTLT 35h 48m 28s												0000 RTLT 35h 48m 38s													
RTL: 35h 48m 18s																										
CCSL: B194																										
FDSL: 11AF																										
TWNC: ON																										
SB: OFF																										
XB: LOW																										
PYR: .05/.10/.25																										
GYROS: OFF																										
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:	NOV 21												NOV 22													



ISSUE DATE: 12/02/21 08:35

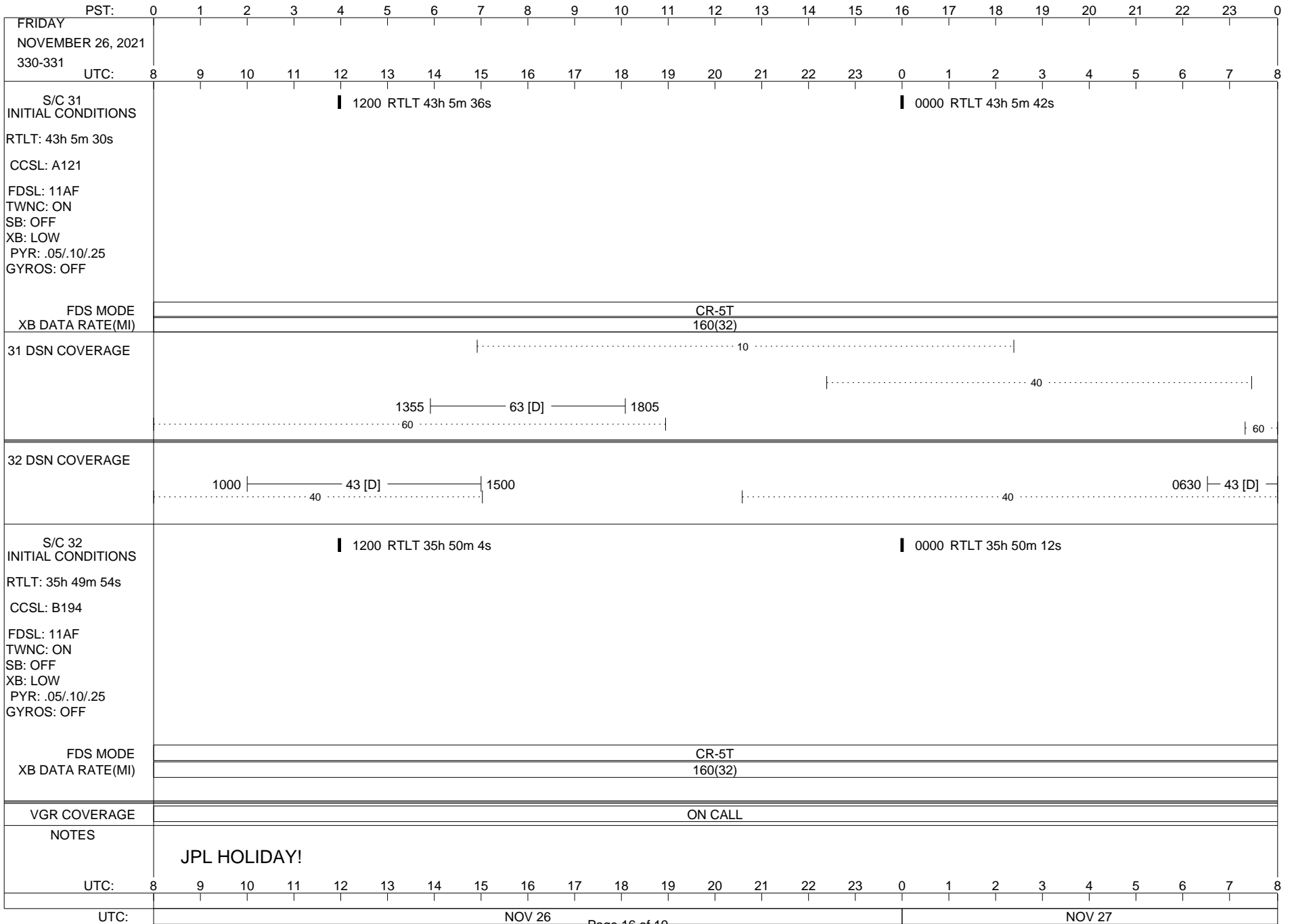




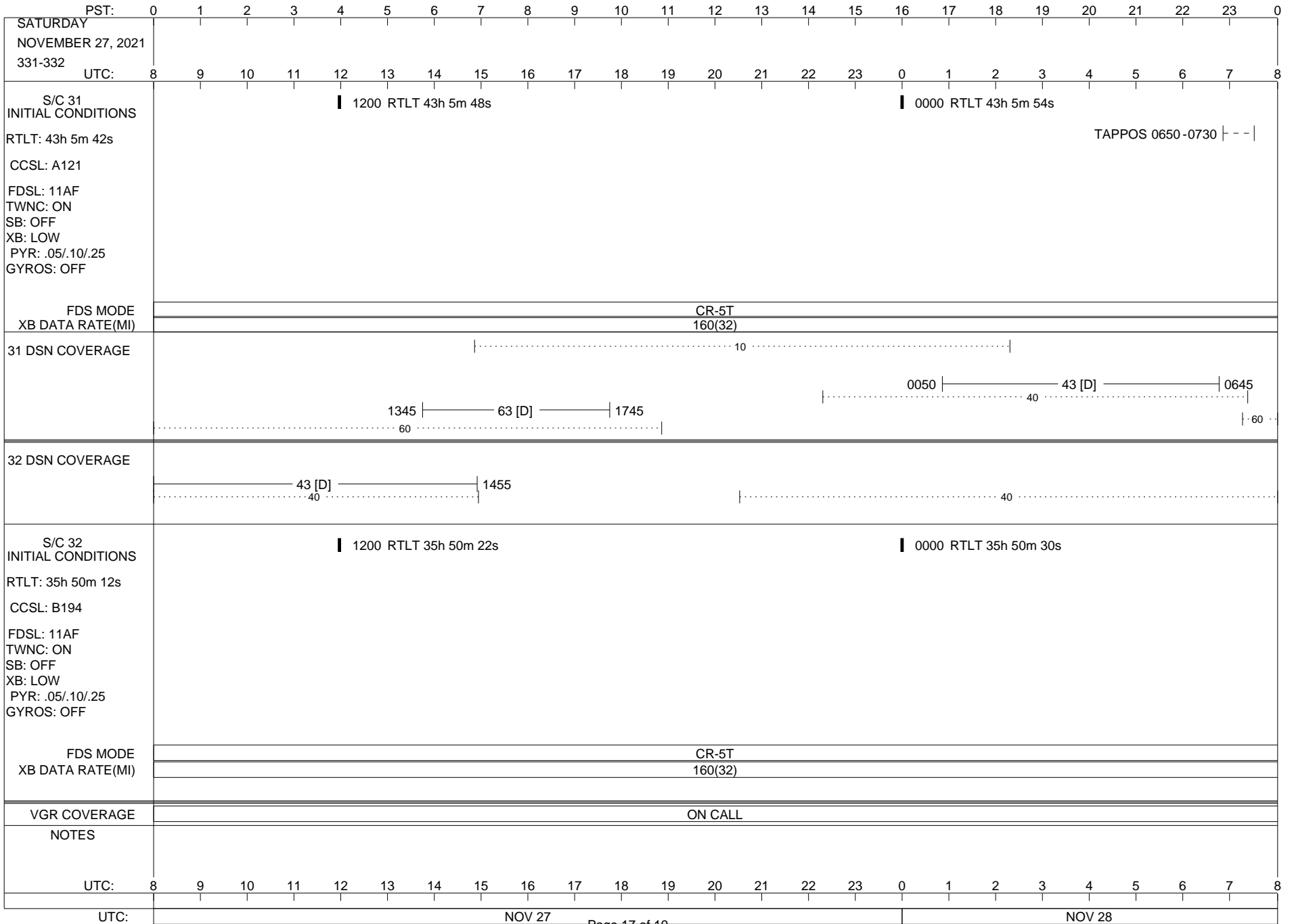




ISSUE DATE: 12/02/21 08:35



ISSUE DATE: 12/02/21 08:35



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 NOVEMBER 28, 2021 332-333	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: 43h 5m 54s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 43h 6m 0s 0952   0953 PWS/RH 1003   -   1030 TAPPOS ▼ 1610 LEPT D2 ON (11:17) ▼ 1650 CCS DIAG (11:56) U/L 1715   -   ----- TLC (SHORT-FORM) ----- ↓ 0952 GS-4B 0953												0000 RTLTL 43h 6m 6s														
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)														
31 DSN COVERAGE	1500  ----- 14 [T] -----  1750  ----- 10 -----   ----- 40 -----   ----- 60 -----												----- 40 -----   ----- 60 -----														
32 DSN COVERAGE	1055  ----- 43 [B] -----  1440  ----- 40 -----												0330-0715  ----- 36 [DA] -----  0330-0715  ----- 35 [DAR] -----   ----- 40 -----														
S/C 32 INITIAL CONDITIONS RTLTL: 35h 50m 30s CCSL: B194 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 50m 40s ▼ 1202 DUMMY (5 MIN BRACKETED 23:53) 1347     1403 SHUNT POWER TEST												0000 RTLTL 35h 50m 48s														
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:	NOV 28															NOV 29											

ISSUE DATE: 12/02/21 08:35

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 NOVEMBER 29, 2021 333-334	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: 43h 6m 6s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLTL 43h 6m 12s</p> <p>TLC (SHORT-FORM)</p> </div>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1445  -----  14 [D]  -----  1925																								
	.....60.....																								
32 DSN COVERAGE													.....40.....												
S/C 32 INITIAL CONDITIONS RTLTL: 35h 50m 48s CCSL: B194 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLTL 35h 50m 58s</p> </div>																								
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:	NOV 29												NOV 30												