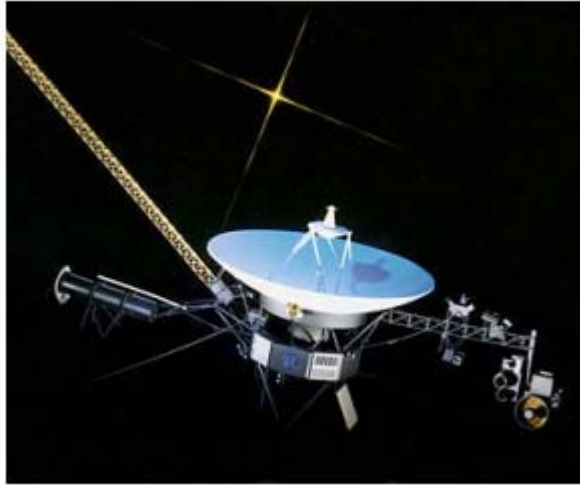


# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: November 10, 2021

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



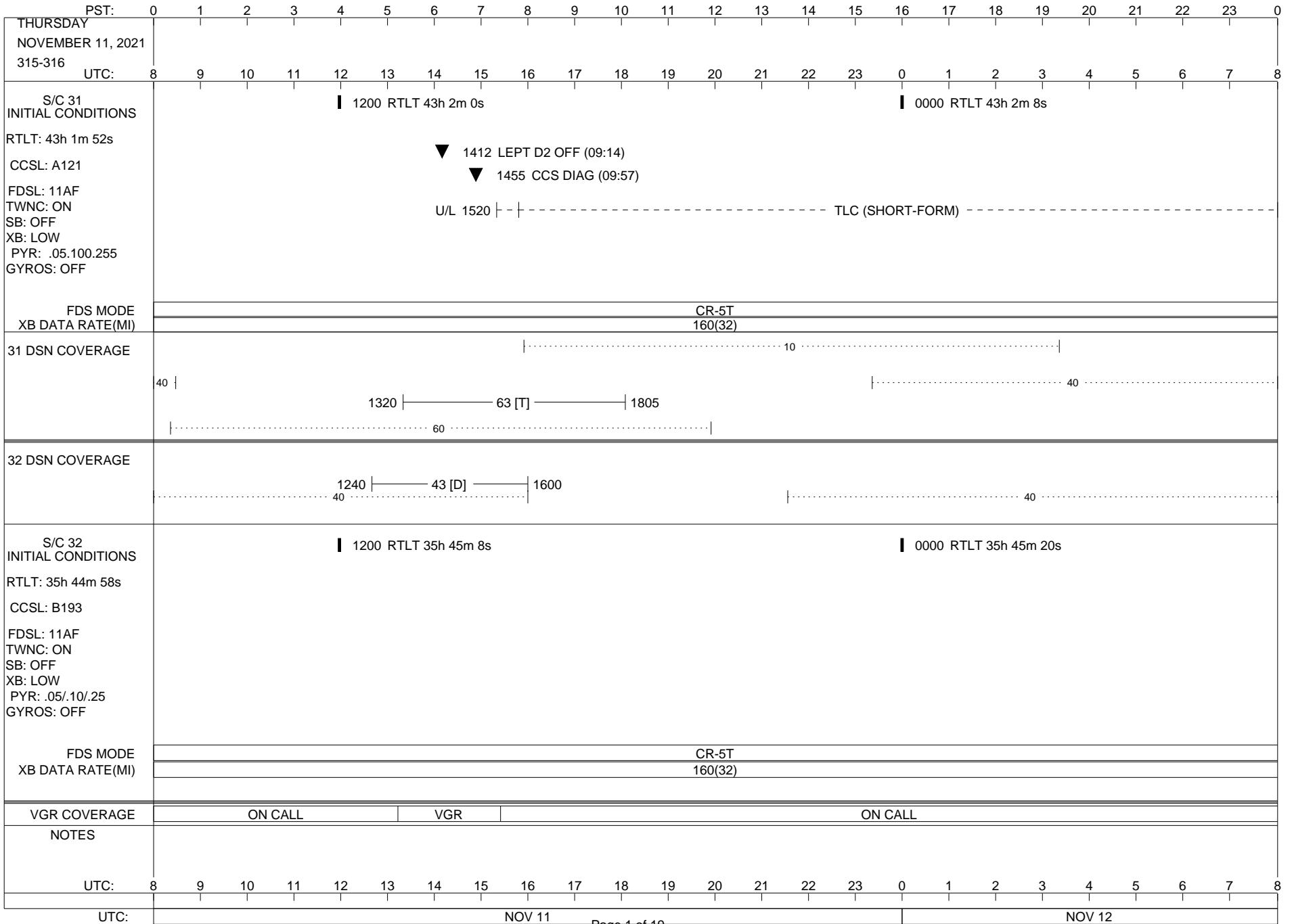
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

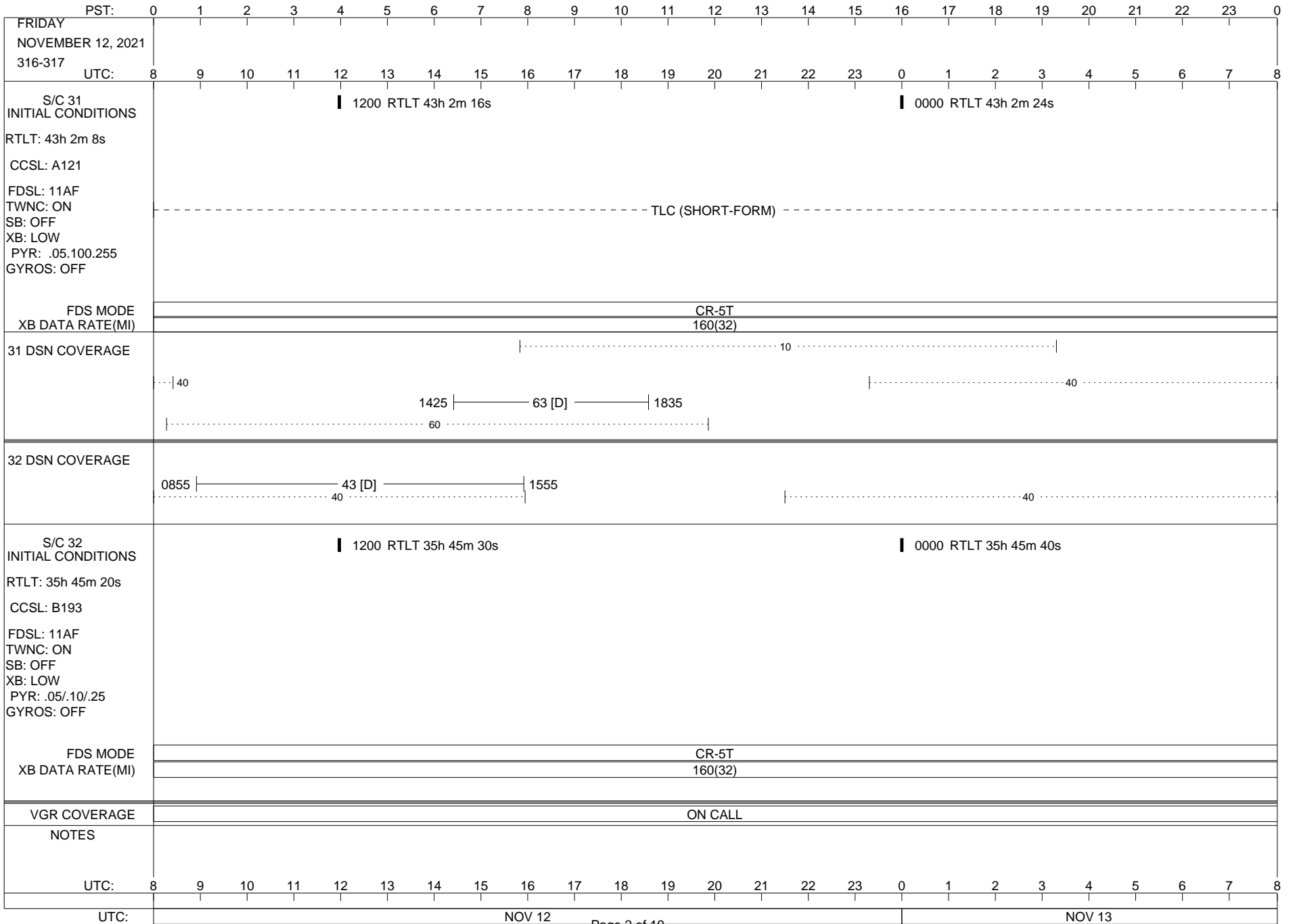
**LEGEND:**

- ▽ = 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

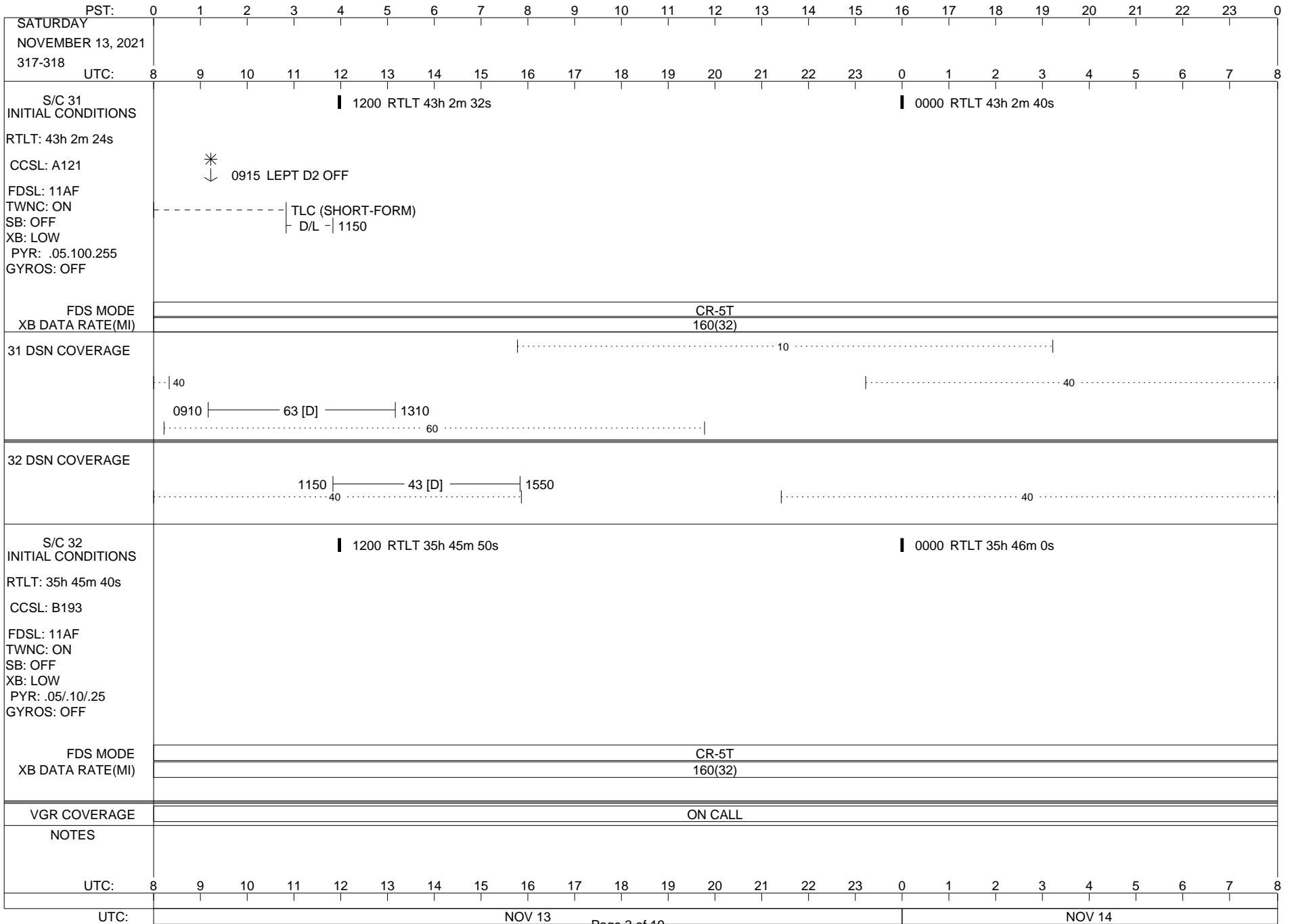
02/27/19

ISSUE DATE: 11/10/21 10:26

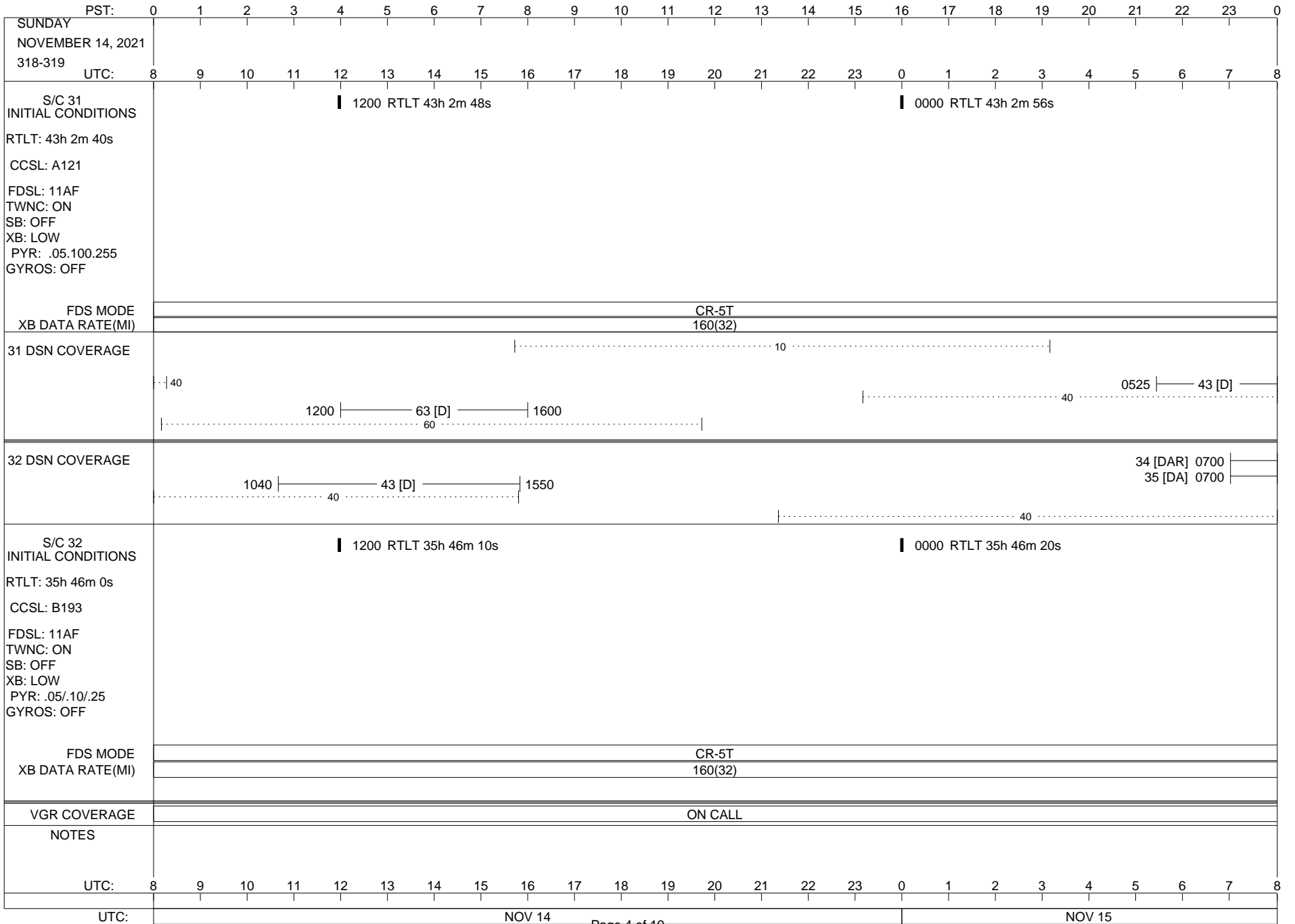




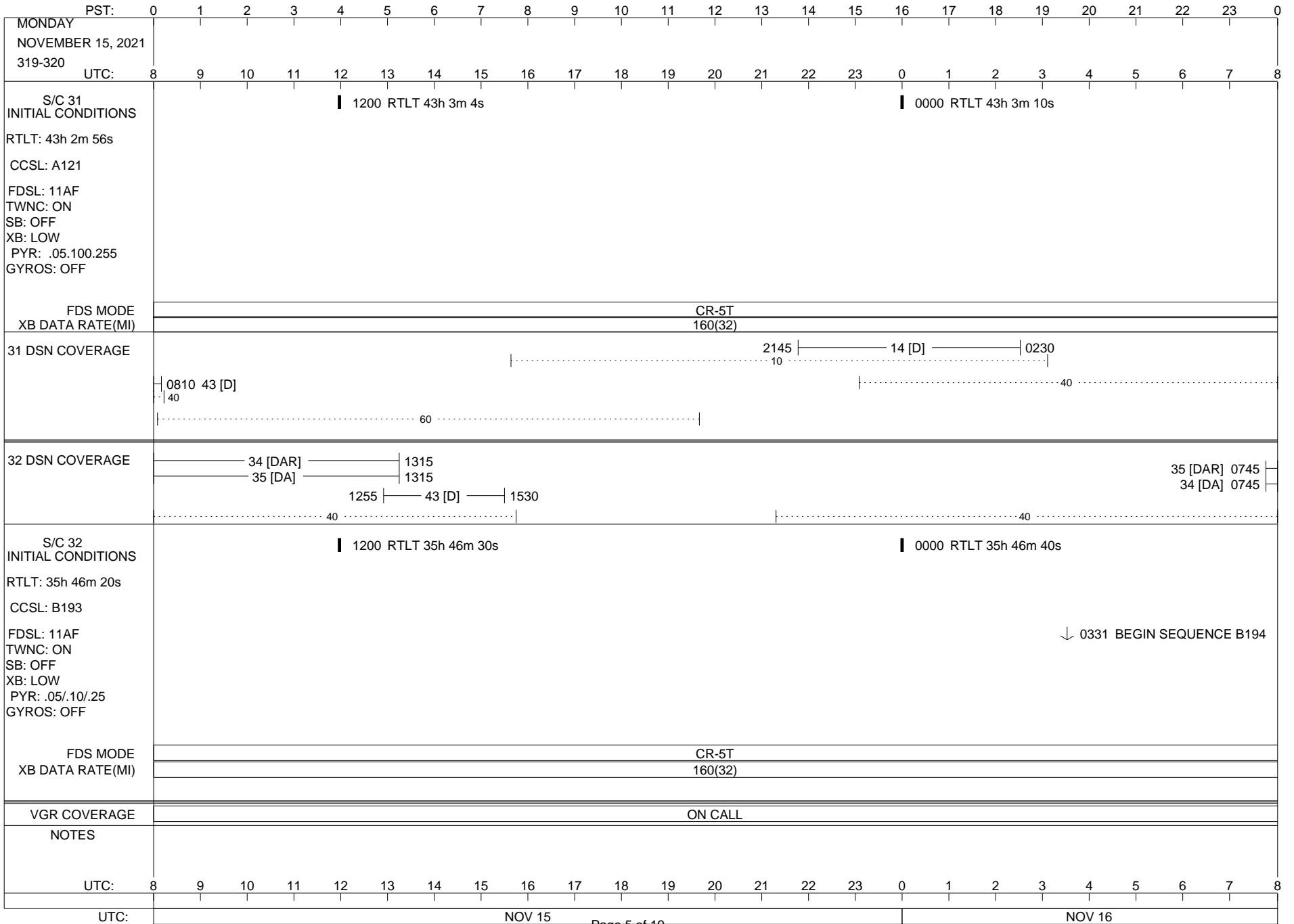
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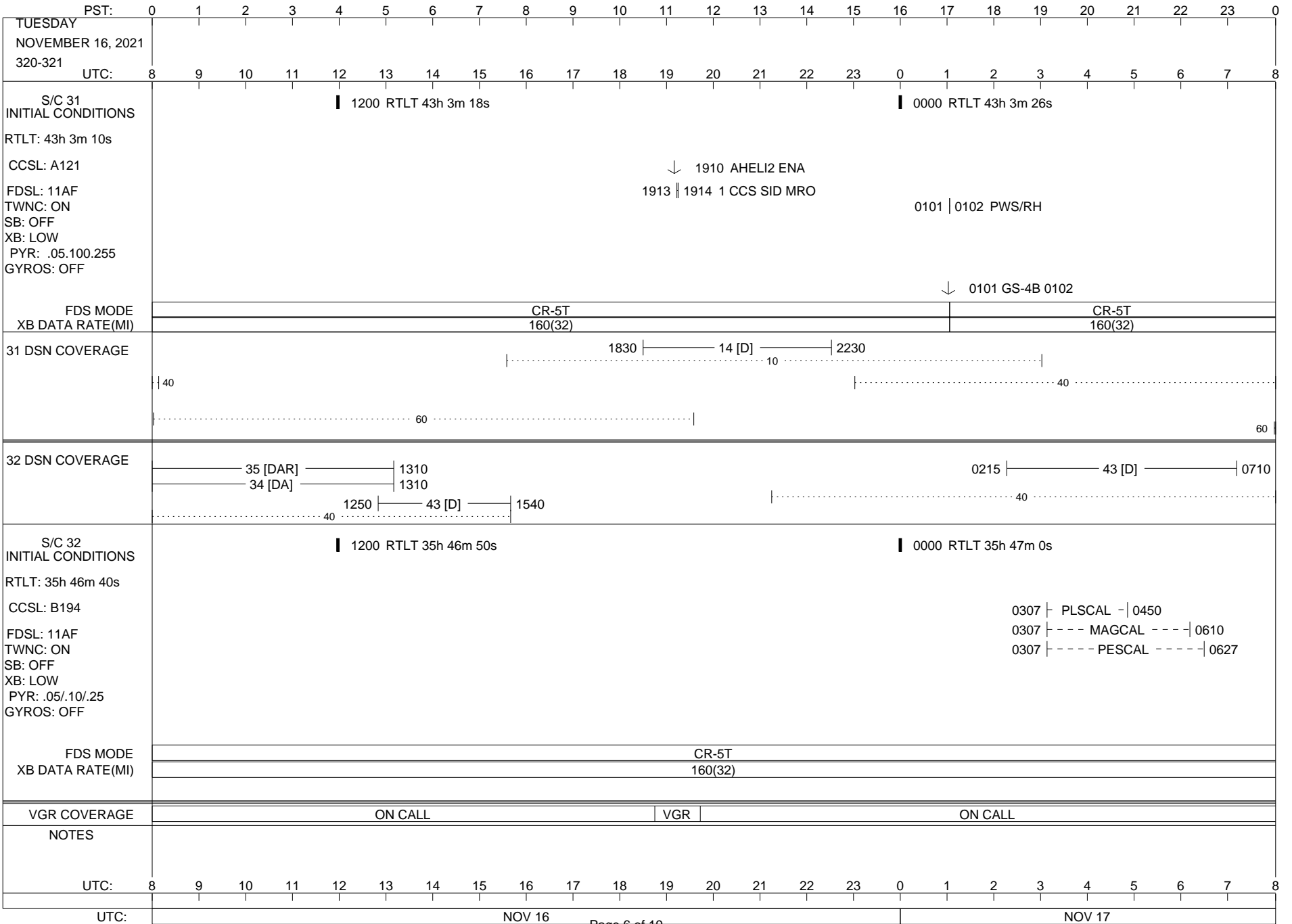
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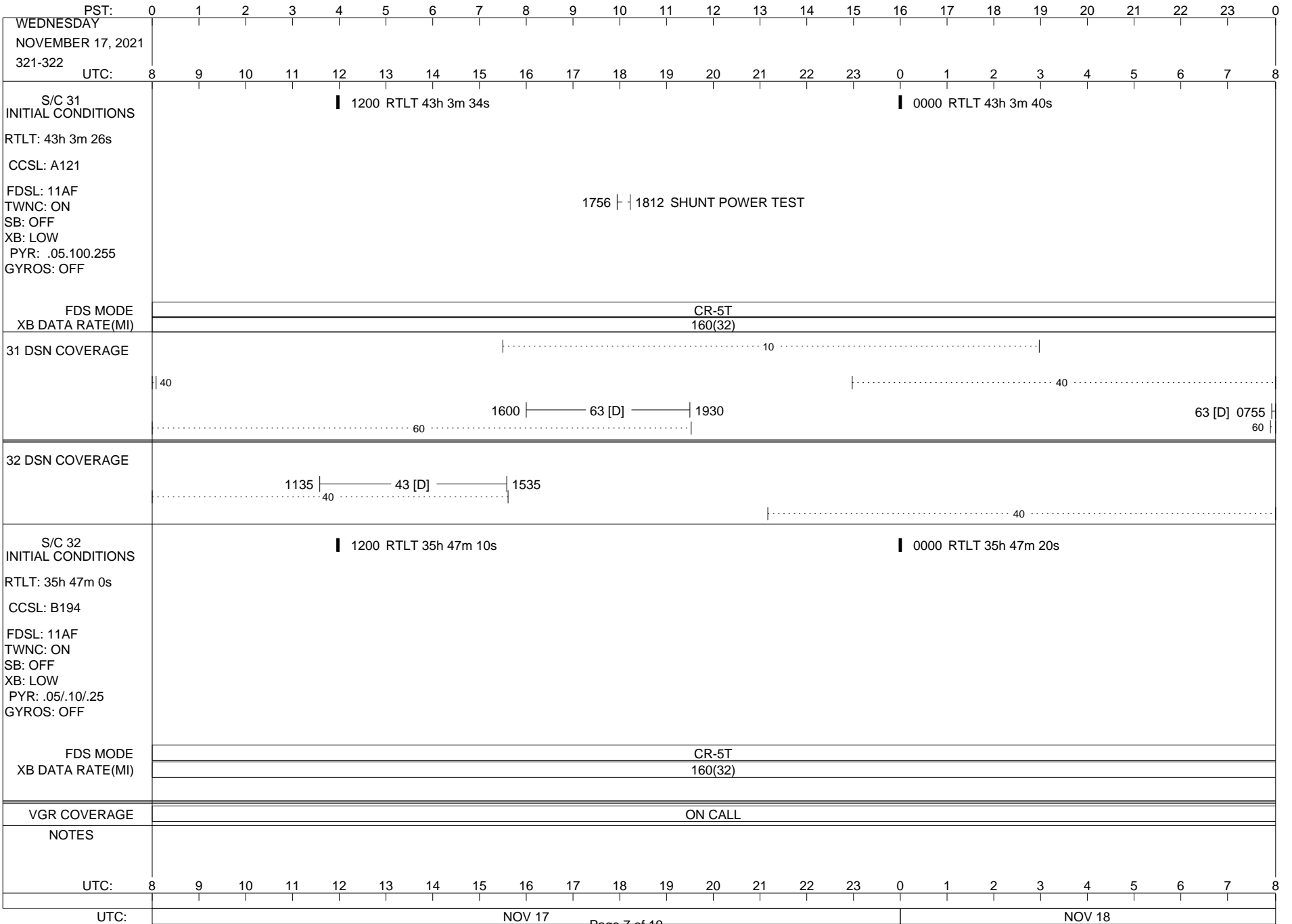
ISSUE DATE: 11/10/21 10:26



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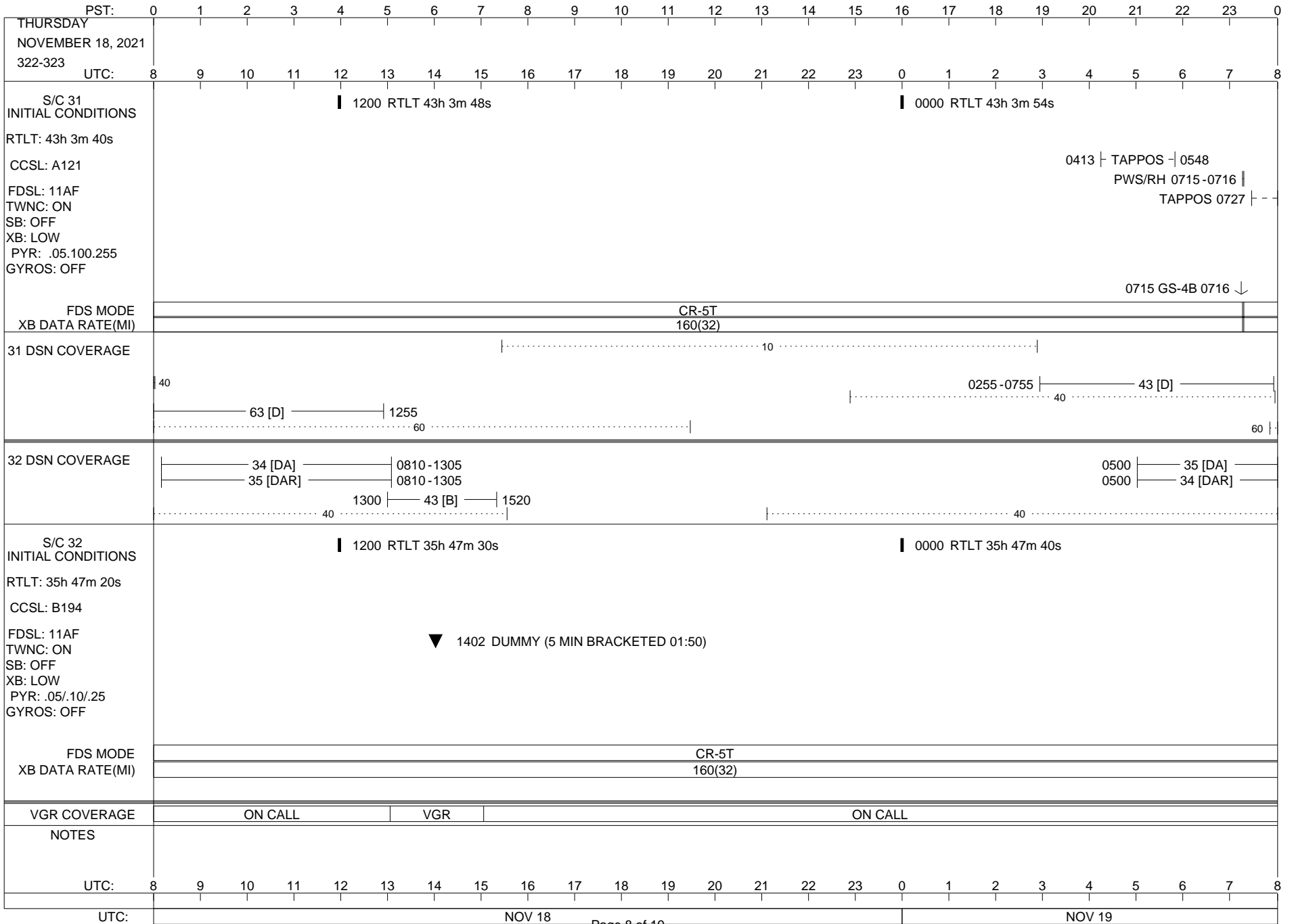


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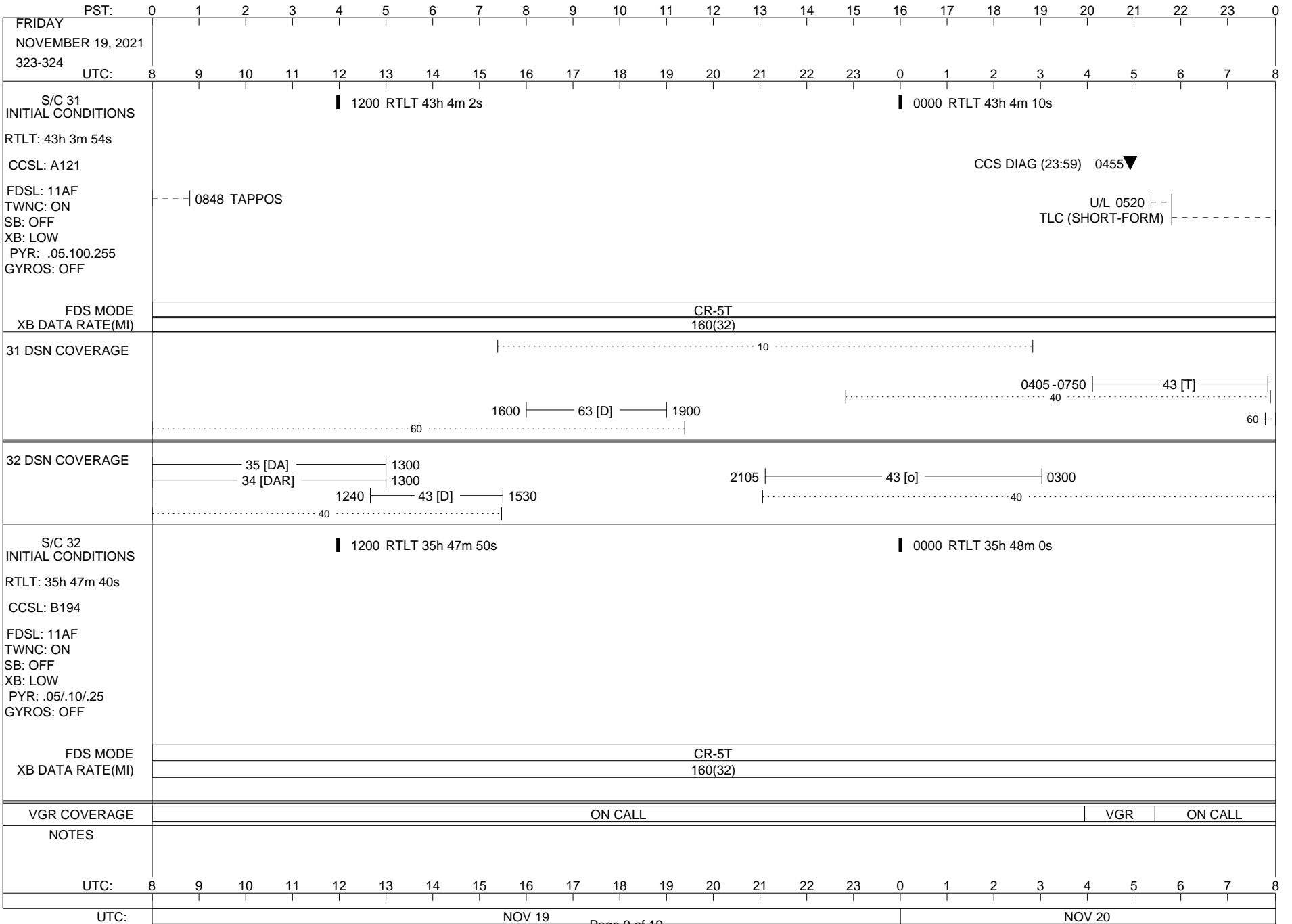




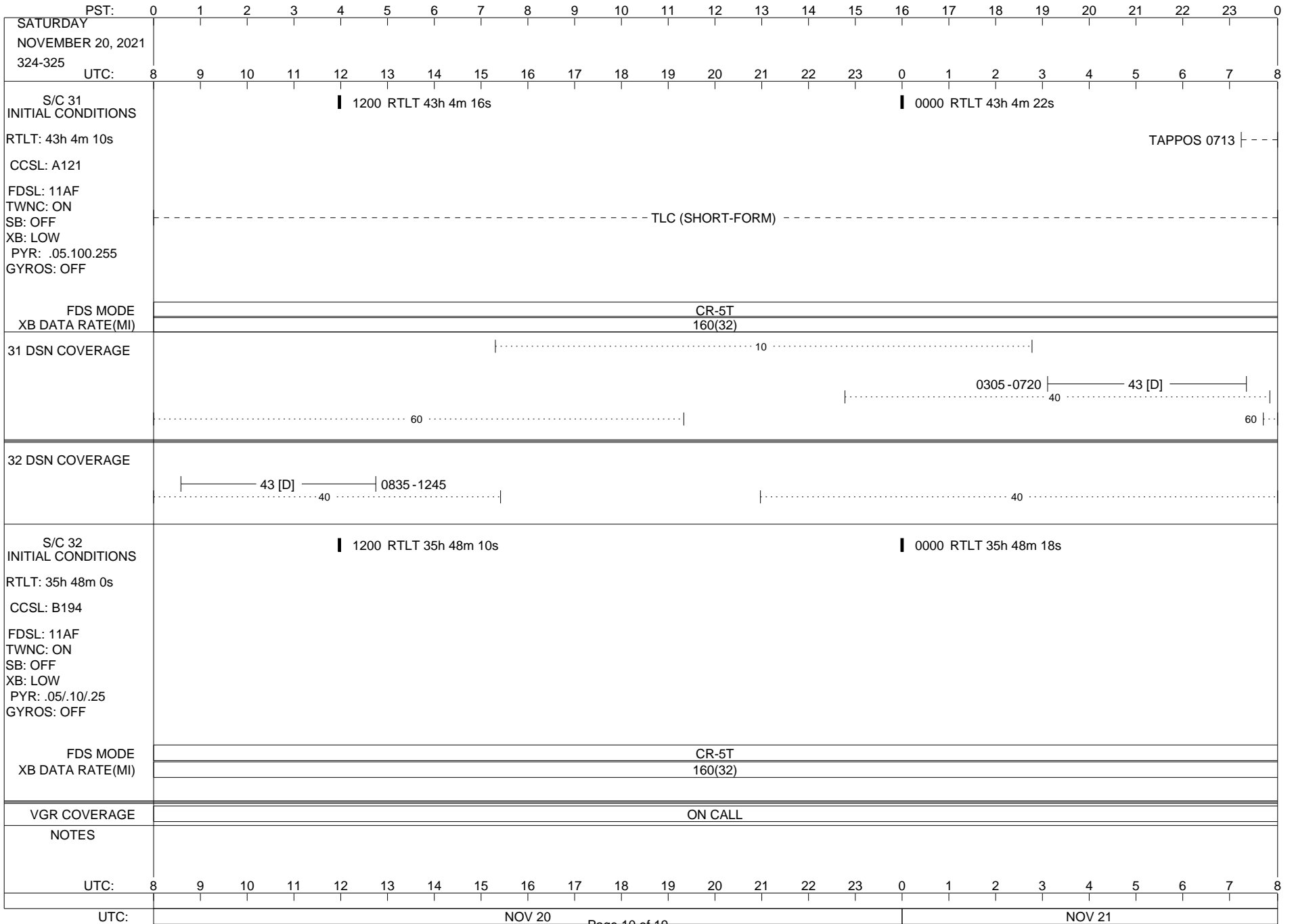
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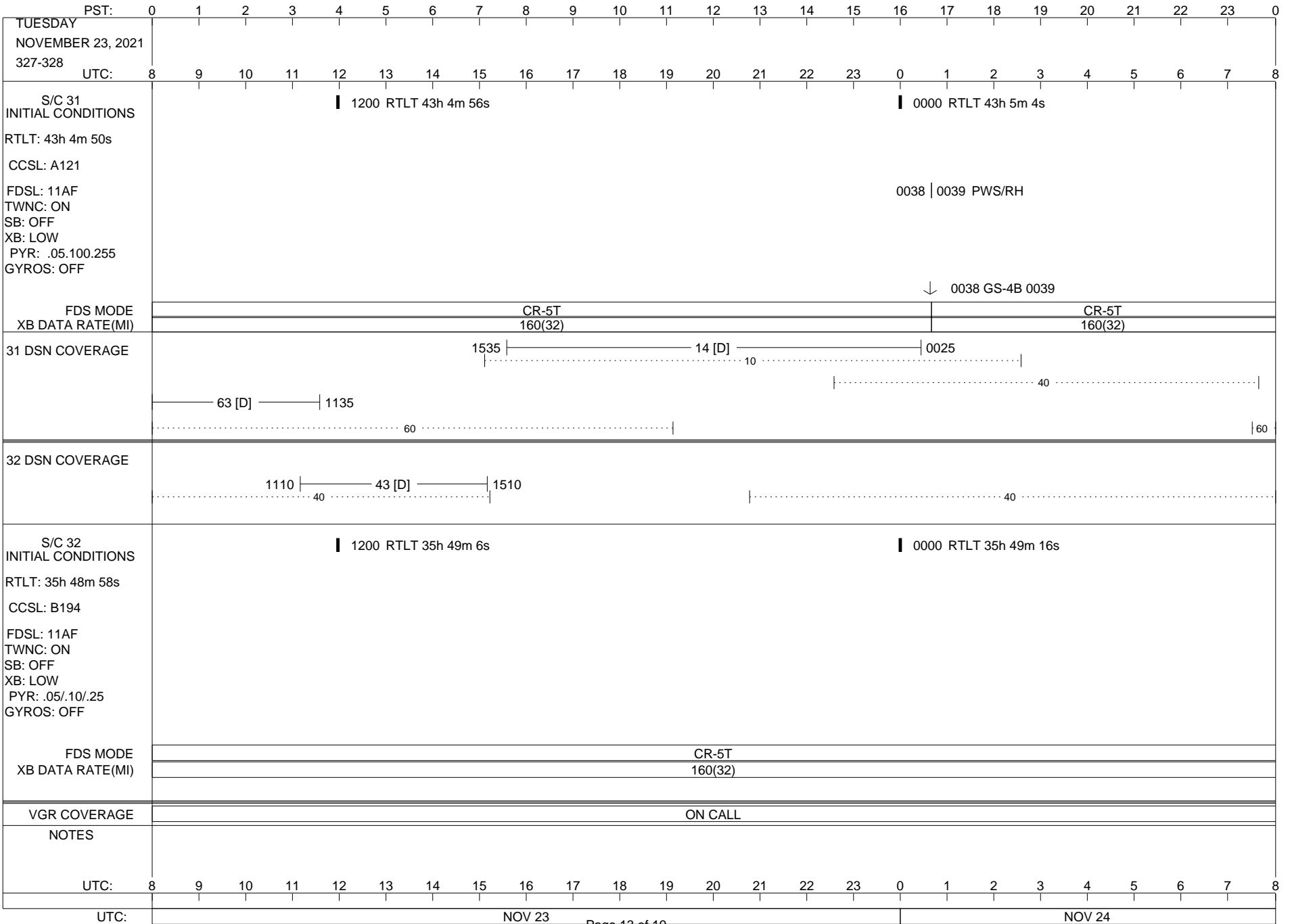


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SUNDAY NOVEMBER 21, 2021 325-326																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS	1200 RTLT 43h 4m 30s												0000 RTLT 43h 4m 36s													
RTLT: 43h 4m 22s	--  0835 TAPPOS																									
CCSL: A121	1015   1016 PWS/RH																									
FDSL: 11AF	1027  -----  1134 TAPPOS																									
TWNC: ON	----- TLC (SHORT-FORM) -----																									
SB: OFF	+ D/L -  0152																									
XB: LOW																										
PYR: .05.100.255																										
GYROS: OFF																										
	↓ 1015 GS-4B 1016																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	..... ..... 10 ..... 2315  ----- 14 [D] -----  0240 ..... ..... 40 ..... ..... 60 ..... ..... 63 [D] 0740   ..... 60 .....																									
32 DSN COVERAGE	----- 43 [D] -----  0805-1520 ..... 40 ..... ..... 40 ..... 2150  ----- 43 [D] -----  0435 ..... 40 .....																									
S/C 32 INITIAL CONDITIONS	1200 RTLT 35h 48m 28s												0000 RTLT 35h 48m 38s													
RTLT: 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: 11/10/21 10:26

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 22, 2021 326-327																									
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: 43h 4m 36s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05.100.255 GYROS: OFF					█ 1200																█ 0000				
FDS MODE																									
XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 35h 48m 38s CCSL: B194 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF					█ 1200																█ 0000				
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:	NOV 22													NOV 23											

ISSUE DATE: 11/10/21 10:26



ISSUE DATE: 11/10/21 10:26

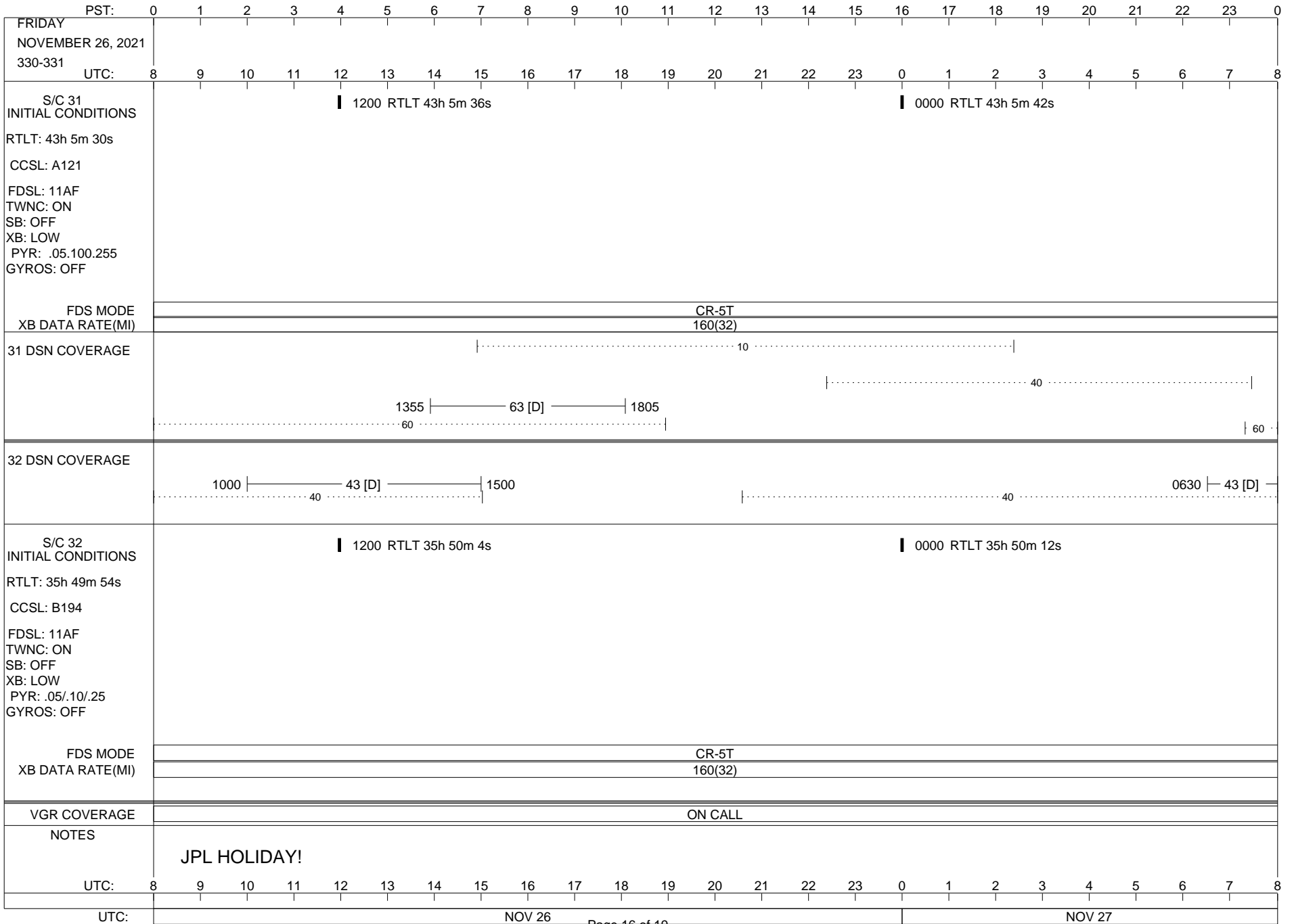
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WEDNESDAY NOVEMBER 24, 2021 328-329																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLTL: 43h 5m 4s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05.100.255 GYROS: OFF					█	1200	RTLTL 43h 5m 10s														█	0000	RTLTL 43h 5m 16s					
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE													-----10-----															
													-----40-----															
	1445  -----63 [D]-----  1845																											
	-----60-----												-----60-----															
32 DSN COVERAGE	1110  -----43 [D]-----  1510																											
	-----40-----												-----40-----															
S/C 32 INITIAL CONDITIONS RTLTL: 35h 49m 16s CCSL: B194 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF					█	1200	RTLTL 35h 49m 26s														█	0000	RTLTL 35h 49m 36s					
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 24														NOV 25													

ISSUE DATE: 11/10/21 10:26

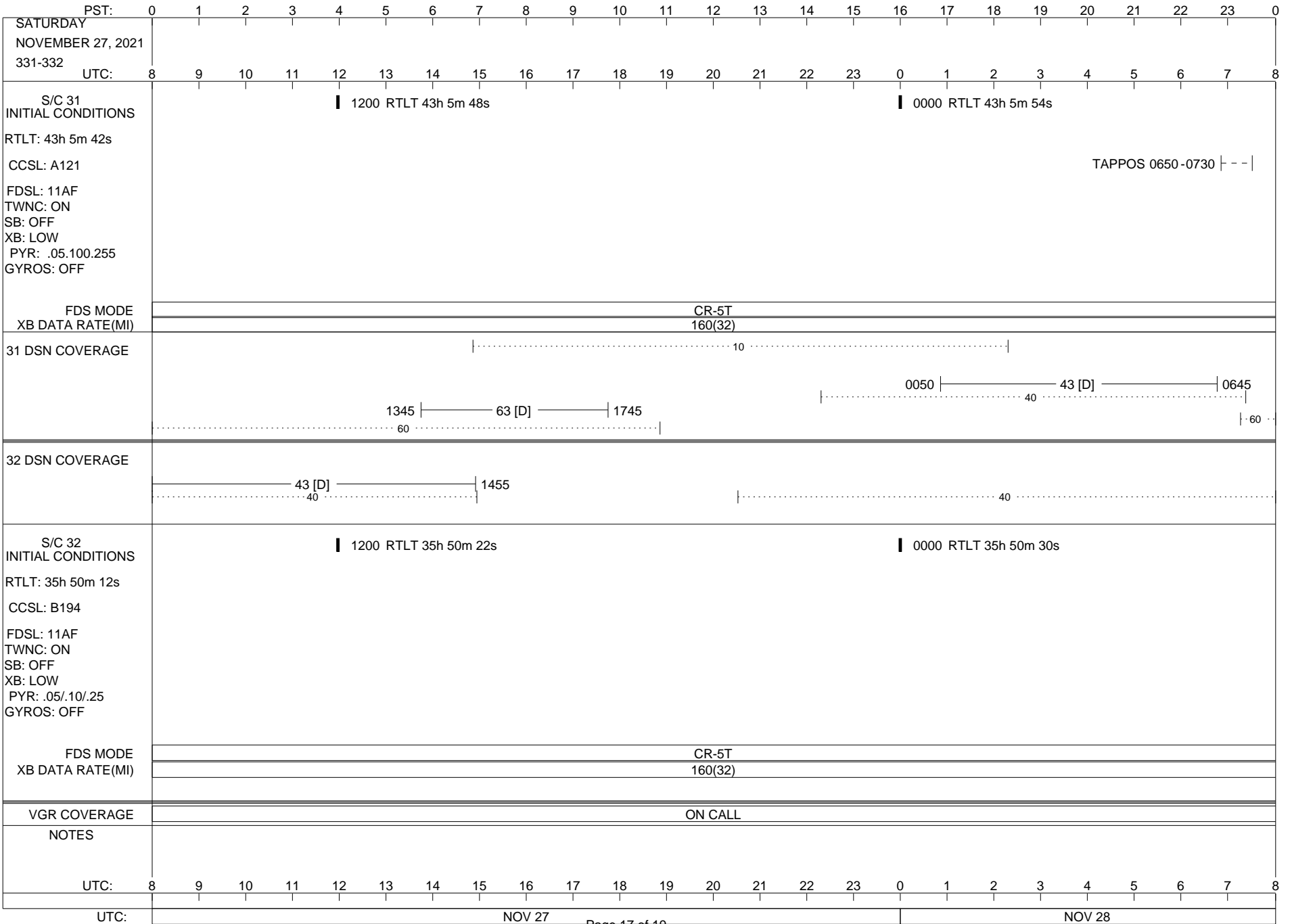
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THURSDAY NOVEMBER 25, 2021 329-330																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 43h 5m 16s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05.100.255 GYROS: OFF	1200 RTLT 43h 5m 24s												0000 RTLT 43h 5m 30s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	<p>..... .....10..... ..... .....40..... .....</p> <p>.....60.....1600  -----63 [D]----- 1840..... 60.....</p>																								
32 DSN COVERAGE	<p>.....1105  -----43 [D]----- 1505..... .....40..... .....</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 35h 49m 36s CCSL: B194 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 49m 44s												0000 RTLT 35h 49m 54s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												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:	NOV 25												NOV 26												



ISSUE DATE: 11/10/21 10:26



ISSUE DATE: 11/10/21 10:26



ISSUE DATE: 11/10/21 10:26

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: .05.100.255 GYROS: OFF	1200 RTLTL 43h 6m 0s												0000 RTLTL 43h 6m 6s												
	0952   0953 PWS/RH 1003   -   1030 TAPPOS ↓ 0952 GS-4B 0953												▼ 1610 LEPT D2 ON (11:17) ▼ 1650 CCS DIAG (11:56) U/L 1715   -   ----- TLC (SHORT-FORM) -----												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1500  -----  14 [T]  -----  1750  -----  10  -----   -----  40  -----   -----  60  -----												-----  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												0000 RTLTL 35h 50m 48s												
	▼ 1202 DUMMY (5 MIN BRACKETED 23:53) 1347     1403 SHUNT POWER TEST																								
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: 11/10/21 10:26

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: .05.100.255 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLTL 43h 6m 12s</p> </div>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<div style="text-align: center;"> <p>1445  -----  14 [D]  -----  1925</p> </div>																								
	.....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												