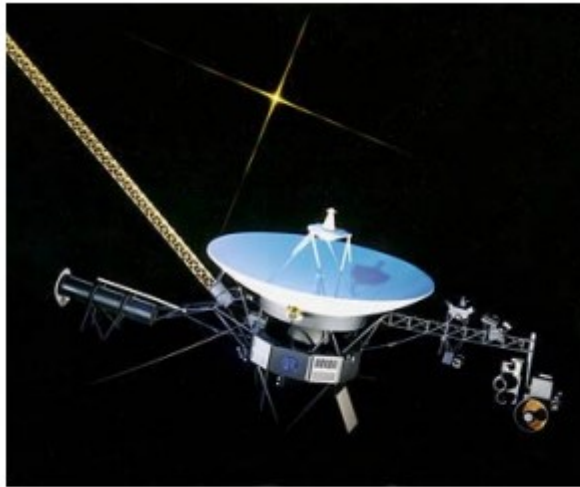


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 23, 2019

For the Period: 10/24/19 to 11/11/19 (19/297 – 19/315)



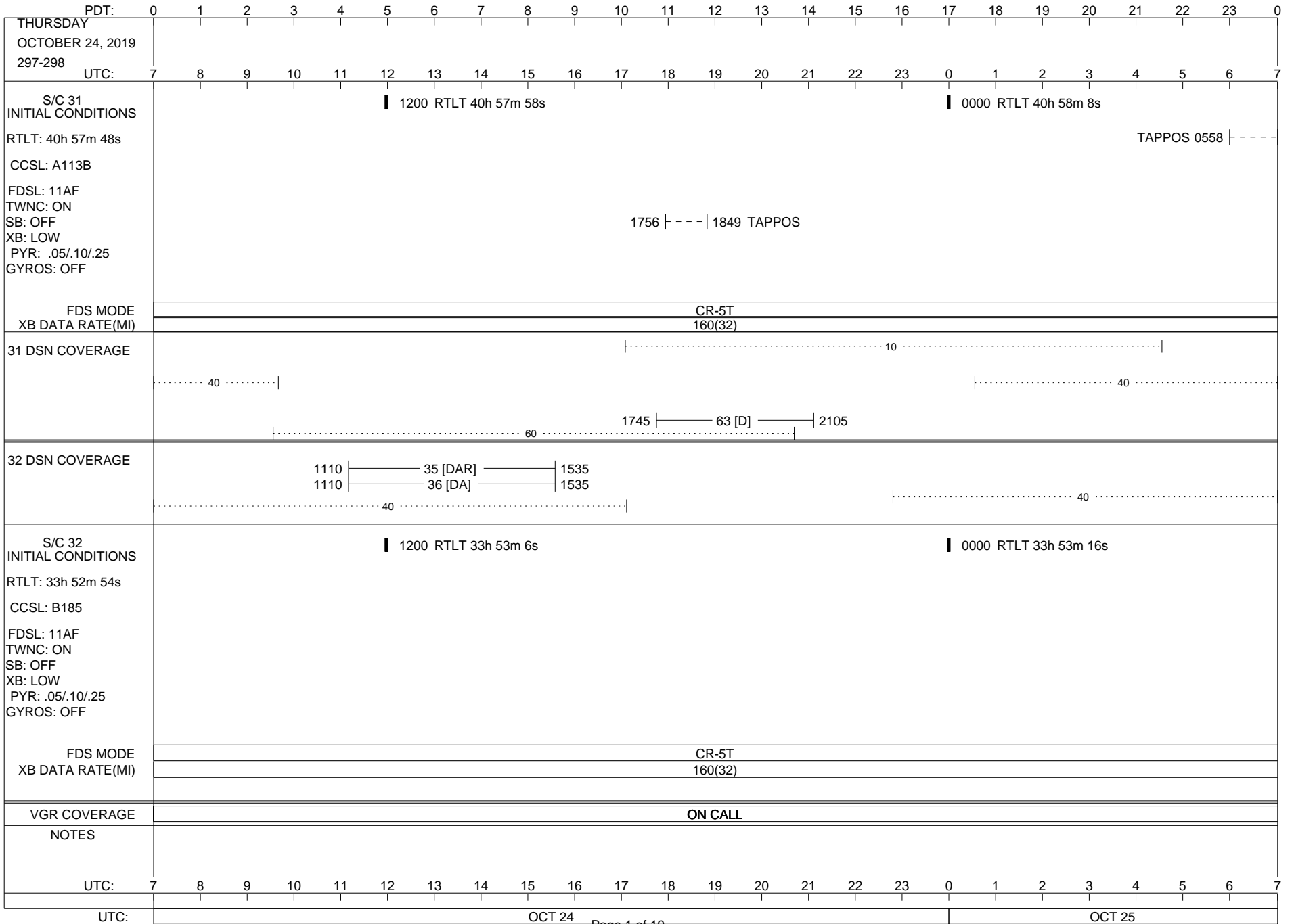
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

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

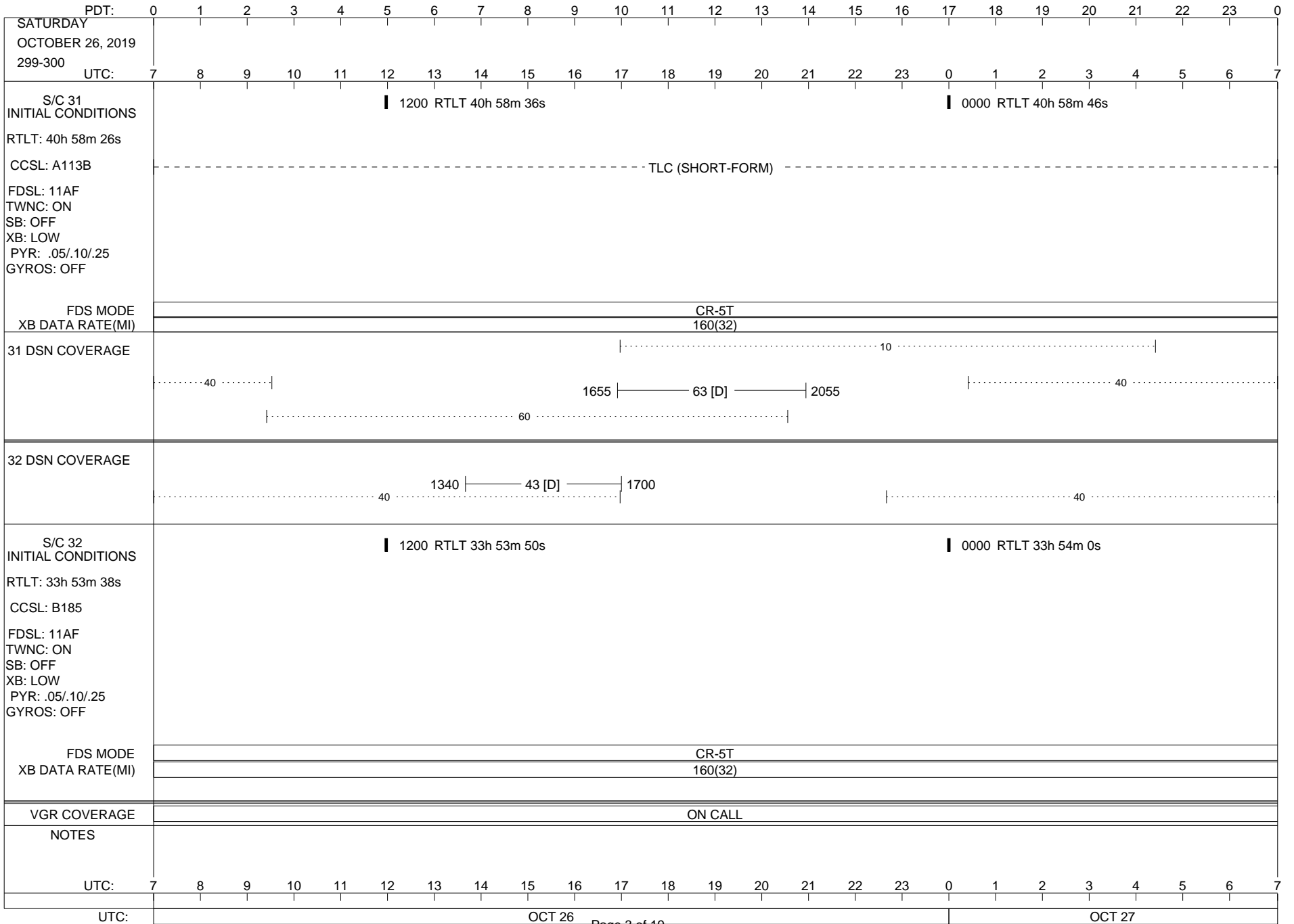
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ISSUE DATE: 10/23/19 07:28

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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			
FRIDAY OCTOBER 25, 2019 298-299																												
S/C 31 INITIAL CONDITIONS RTLTL: 40h 58m 8s CCSL: A113B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 40h 58m 18s												0000 RTLT 40h 58m 26s															
	0815 TAPPOS 0900 0901 PWS/RH 0912 - TAPPOS - 1115 U/L 1740 - - - - - - TLC (SHORT-FORM) - - - - - RE-ENA BL PLAYBACKS 1749 ↓ 2 SID MRO'S 1752 1753 1942 1948 CCSTIMB FINE ↓ 0900 GS-4B 0901																											
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE 40 60 10 40 1715 ----- 63 [T] ----- 2100 40 60 60 60 60																											
32 DSN COVERAGE 40 40 40 40 1400 ----- 43 [B] ----- 1700 40 2245 ----- 43 [o] ----- 0115 40																											
S/C 32 INITIAL CONDITIONS RTLTL: 33h 53m 16s CCSL: B185 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 53m 28s												0000 RTLT 33h 53m 38s															
	▼ 1432 DUMMY (5 MIN BRACKETED 00:26)																											
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:	OCT 25														OCT 26													

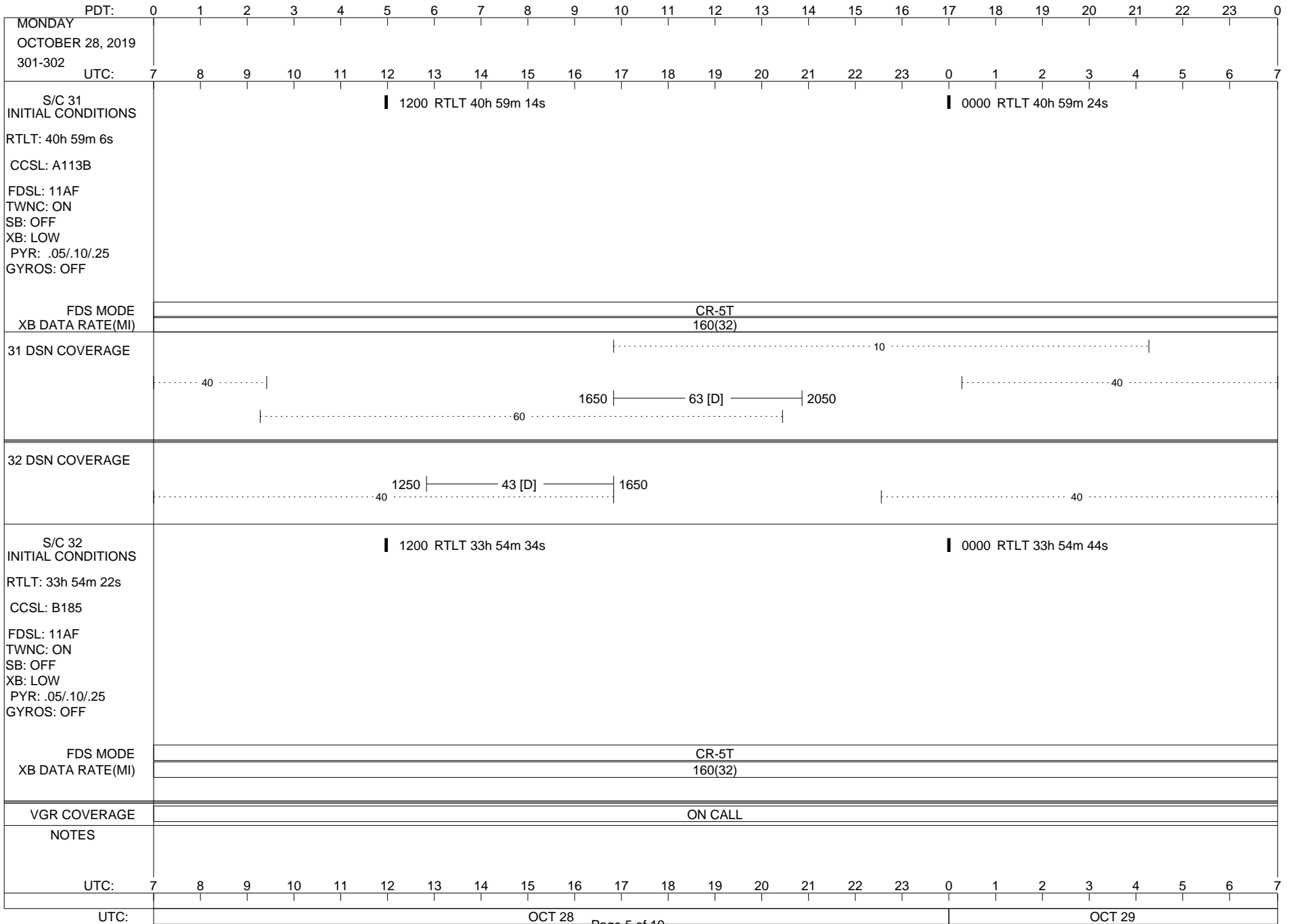
ISSUE DATE: 10/23/19 07:28



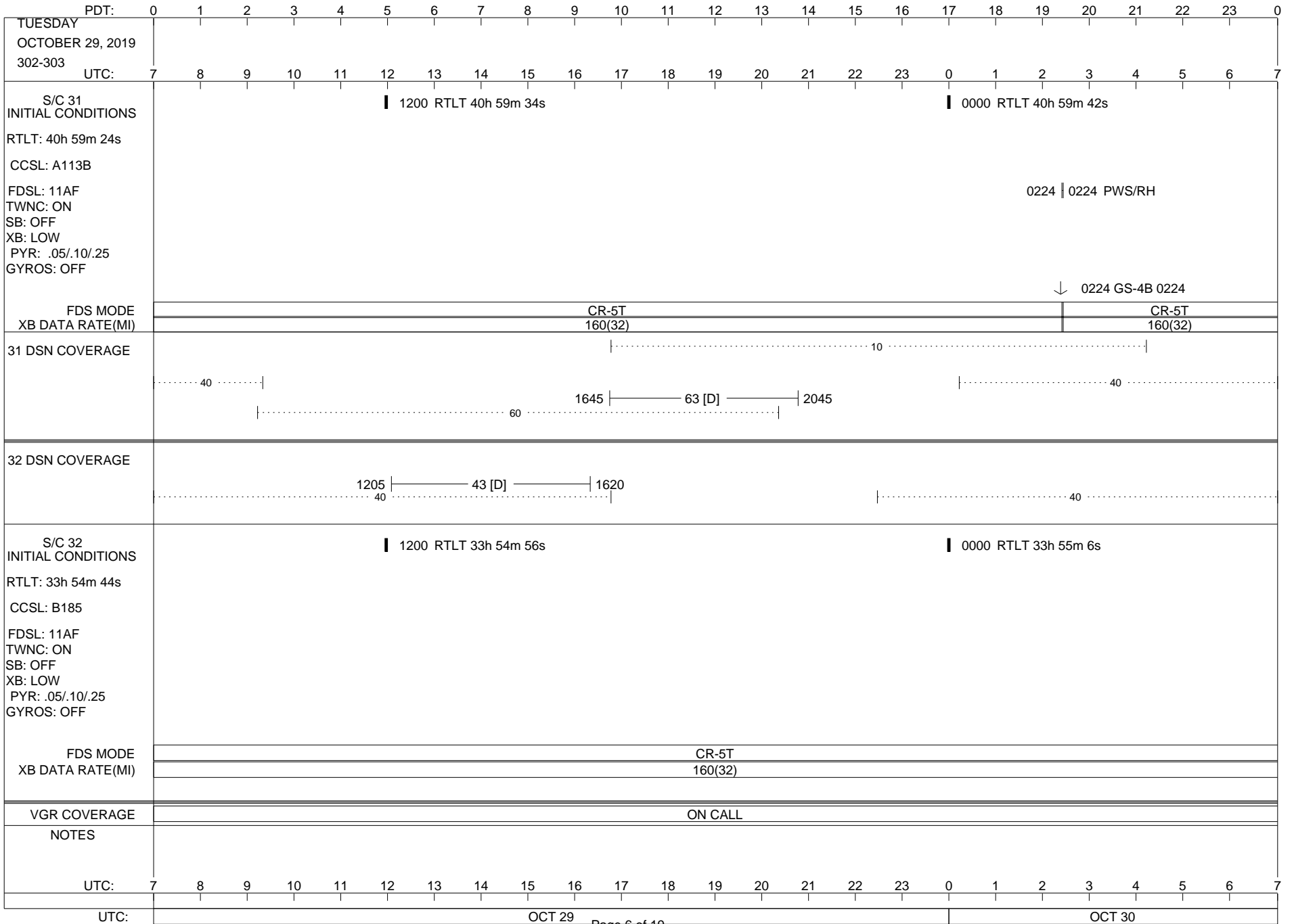
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SUNDAY OCTOBER 27, 2019 300-301	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 40h 58m 46s CCSL: A113B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 40h 58m 56s --- TLC (SHORT-FORM) --- + D/L - 1206 0858 - TAPPOS - - 1102 1201 1202 PWS/RH 1212 - TAPPOS - 1401 ↓ 1201 GS-4B 1202												0000 RTLT 40h 59m 6s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE 40 60 1650 ----- 63 [D] ----- 2050											 10 40												
32 DSN COVERAGE 40 0935 ----- 43 [D] ----- 1455											 40												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 54m 0s CCSL: B185 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 54m 12s												0000 RTLT 33h 54m 22s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												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:	OCT 27												OCT 28												

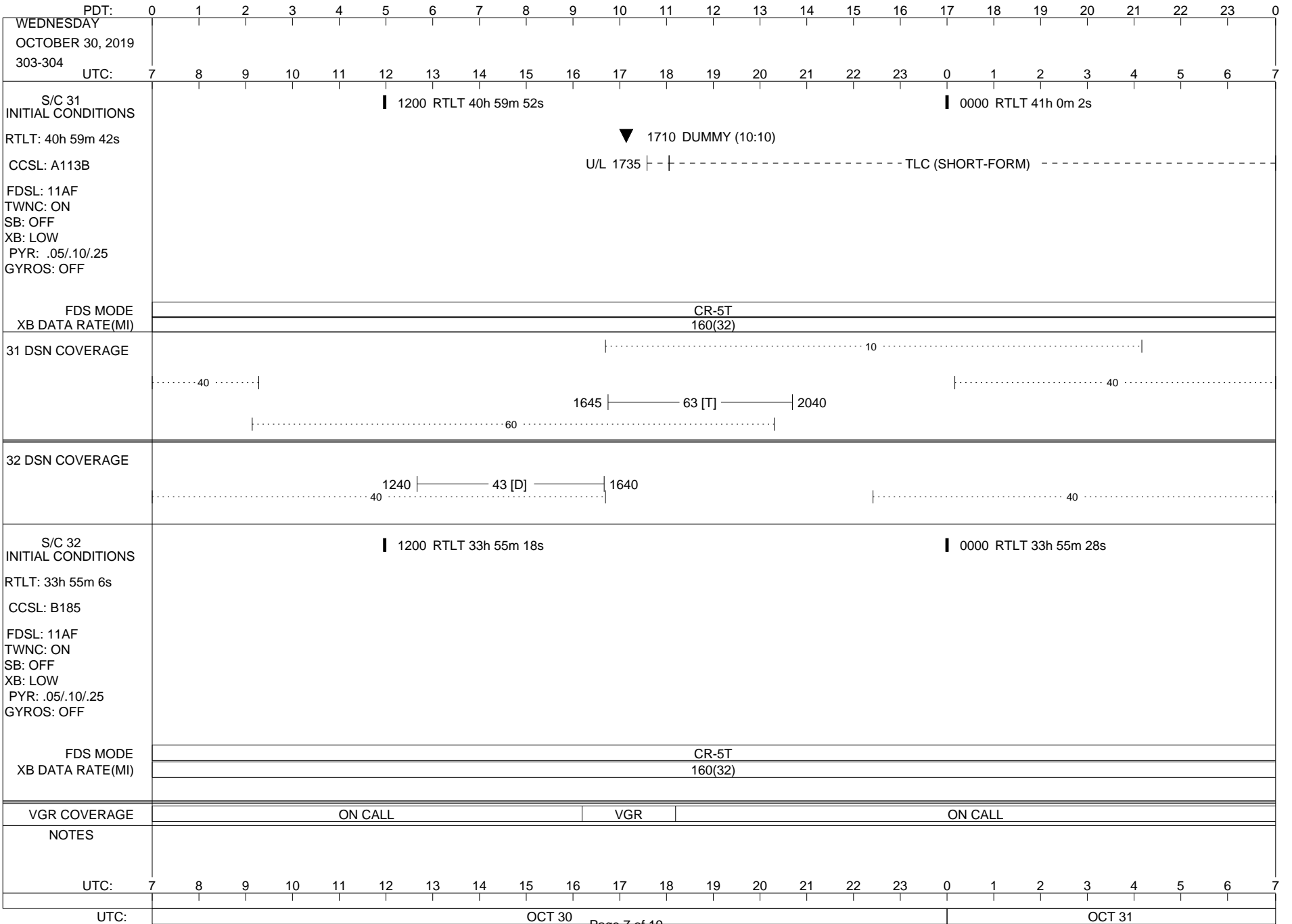
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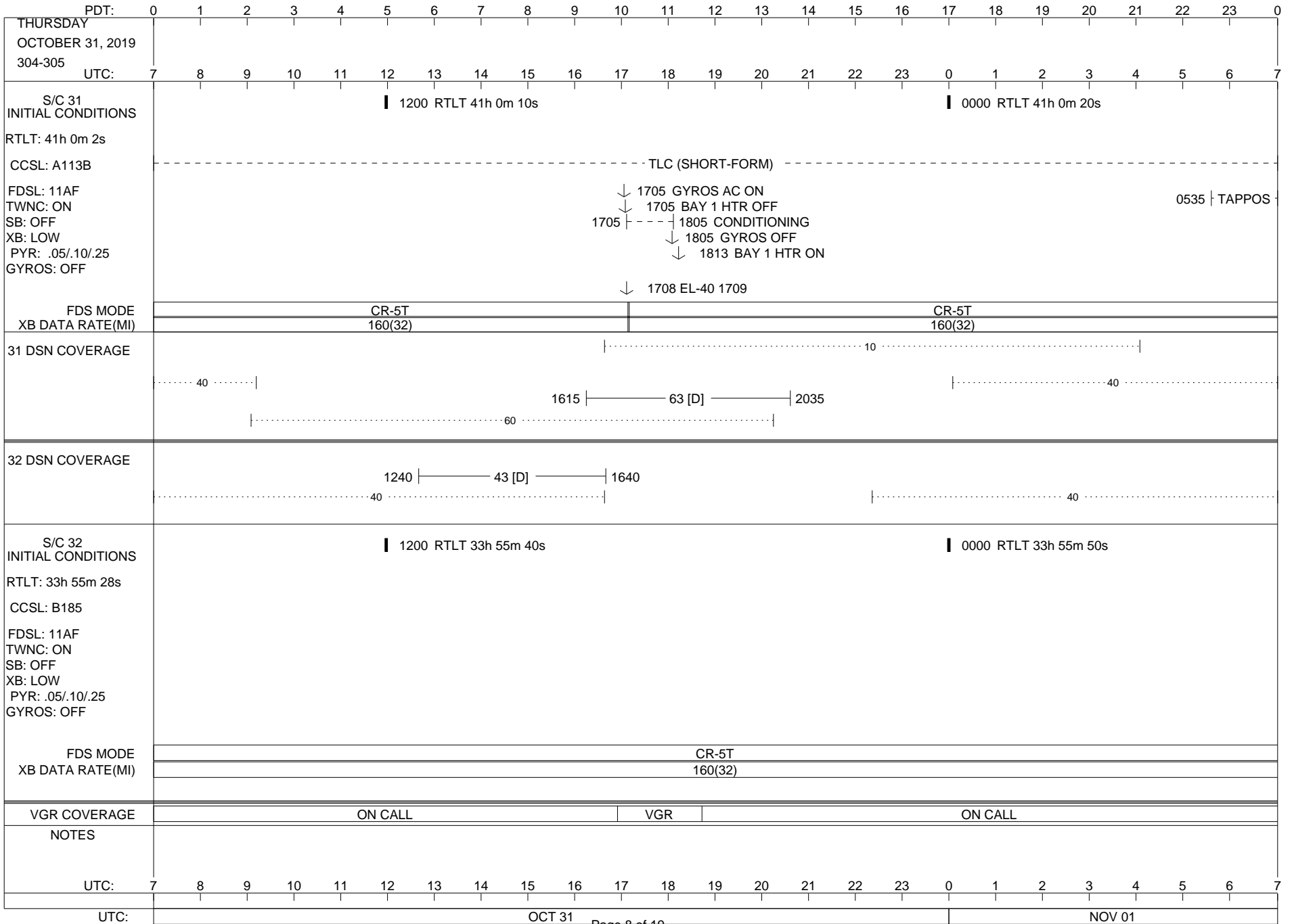
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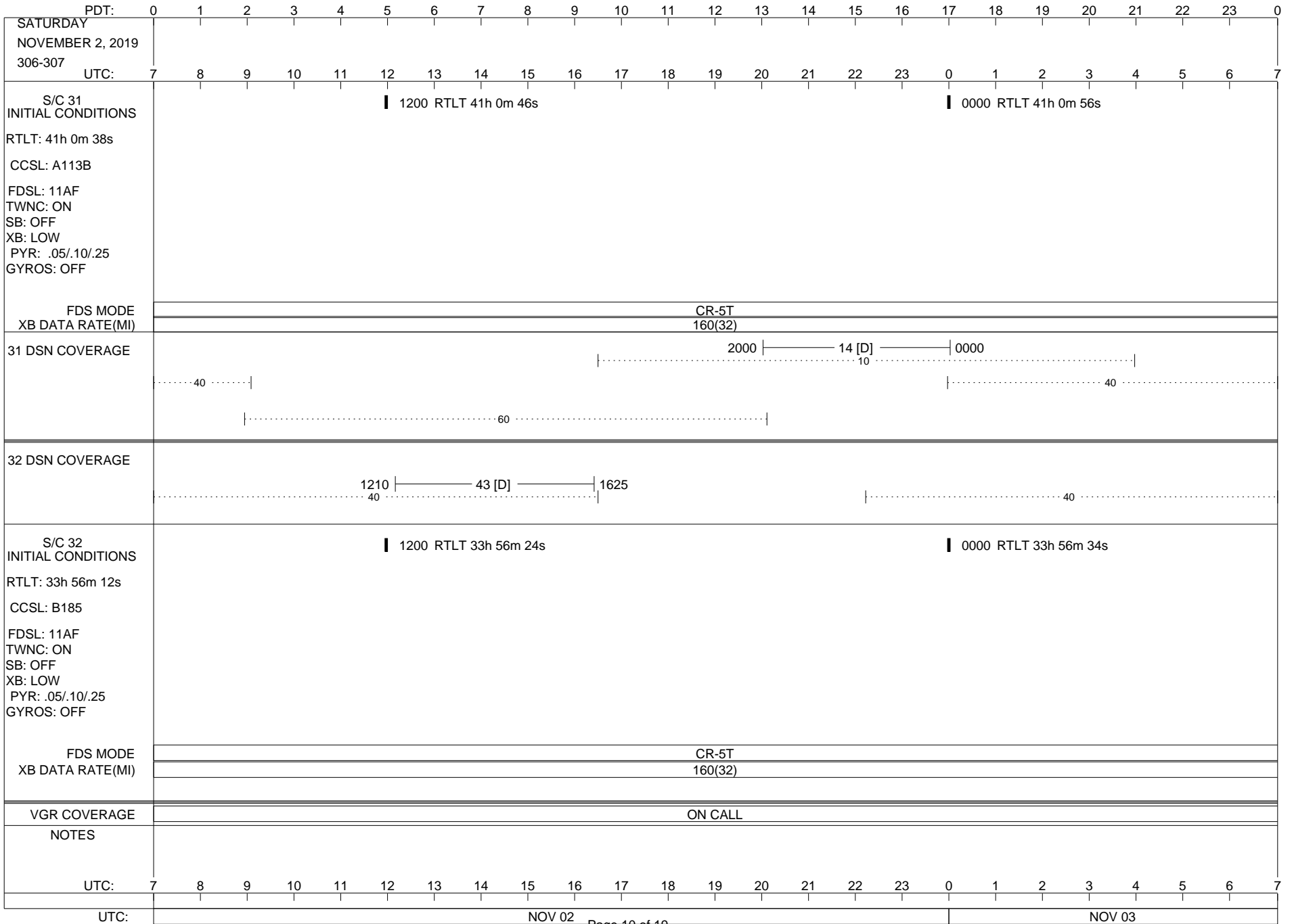
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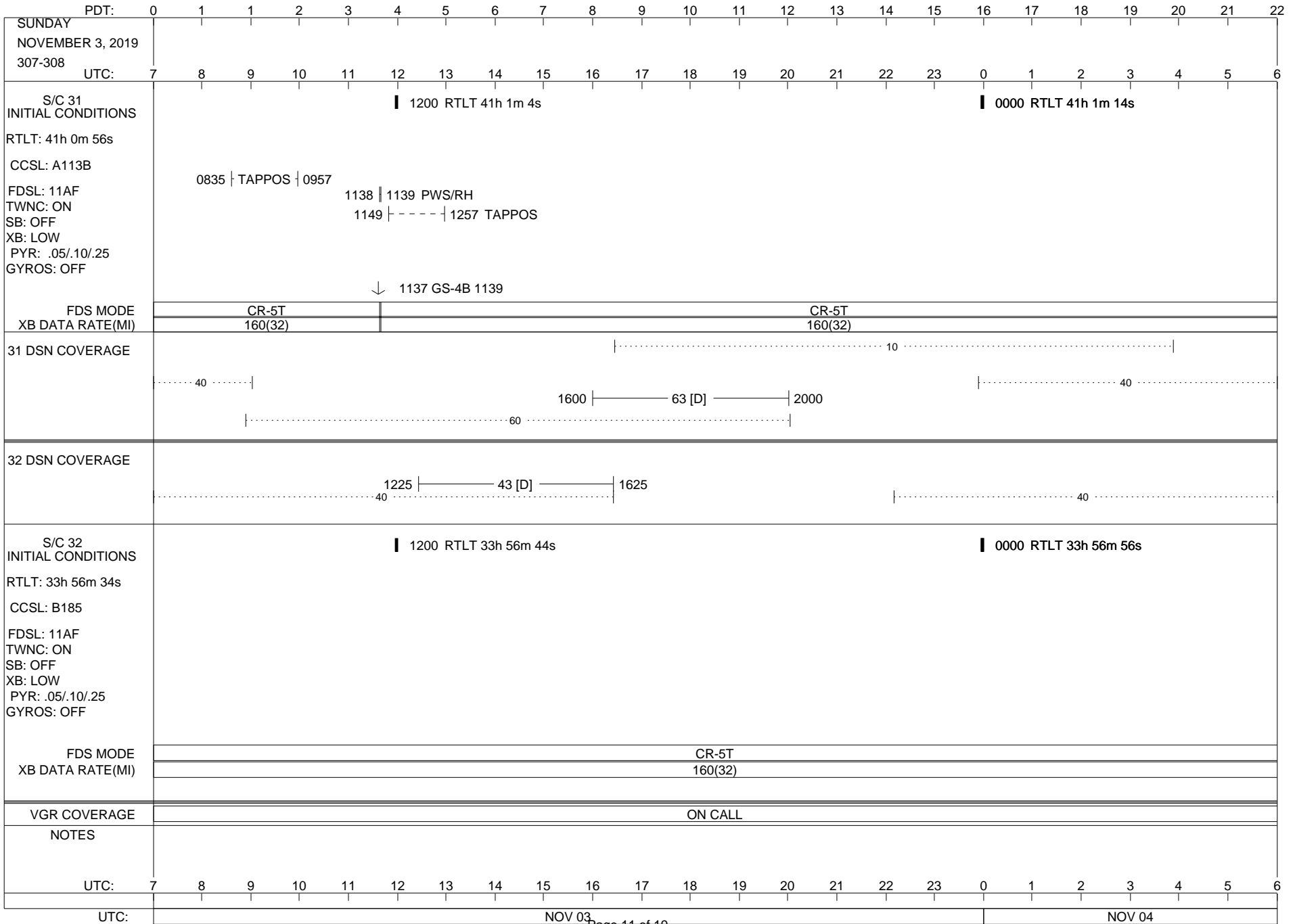
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FRIDAY NOVEMBER 1, 2019 305-306																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 41h 0m 20s CCSL: A113B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 41h 0m 28s												█ 0000 RTLT 41h 0m 38s													
	- - - TLC (SHORT-FORM) - - + D/L - 1203																									
	0711 TAPPOS 0837 0838 PWS/RH 0849 TAPPOS 1010																									
	↓ 0837 GS-4B 0838																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	<p>..... </p> <p>.....40..... </p> <p>.....1635 ----- 63 [D] ----- 2035</p> <p>.....60..... </p>																									
32 DSN COVERAGE	<p>.....1230 ----- 43 [D] ----- 1630</p> <p>.....40..... </p> <p>.....40..... </p>																									
S/C 32 INITIAL CONDITIONS RTLT: 33h 55m 50s CCSL: B185 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLT 33h 56m 2s												█ 0000 RTLT 33h 56m 12s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												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:	NOV 01												NOV 02													

ISSUE DATE: 10/23/19 07:28

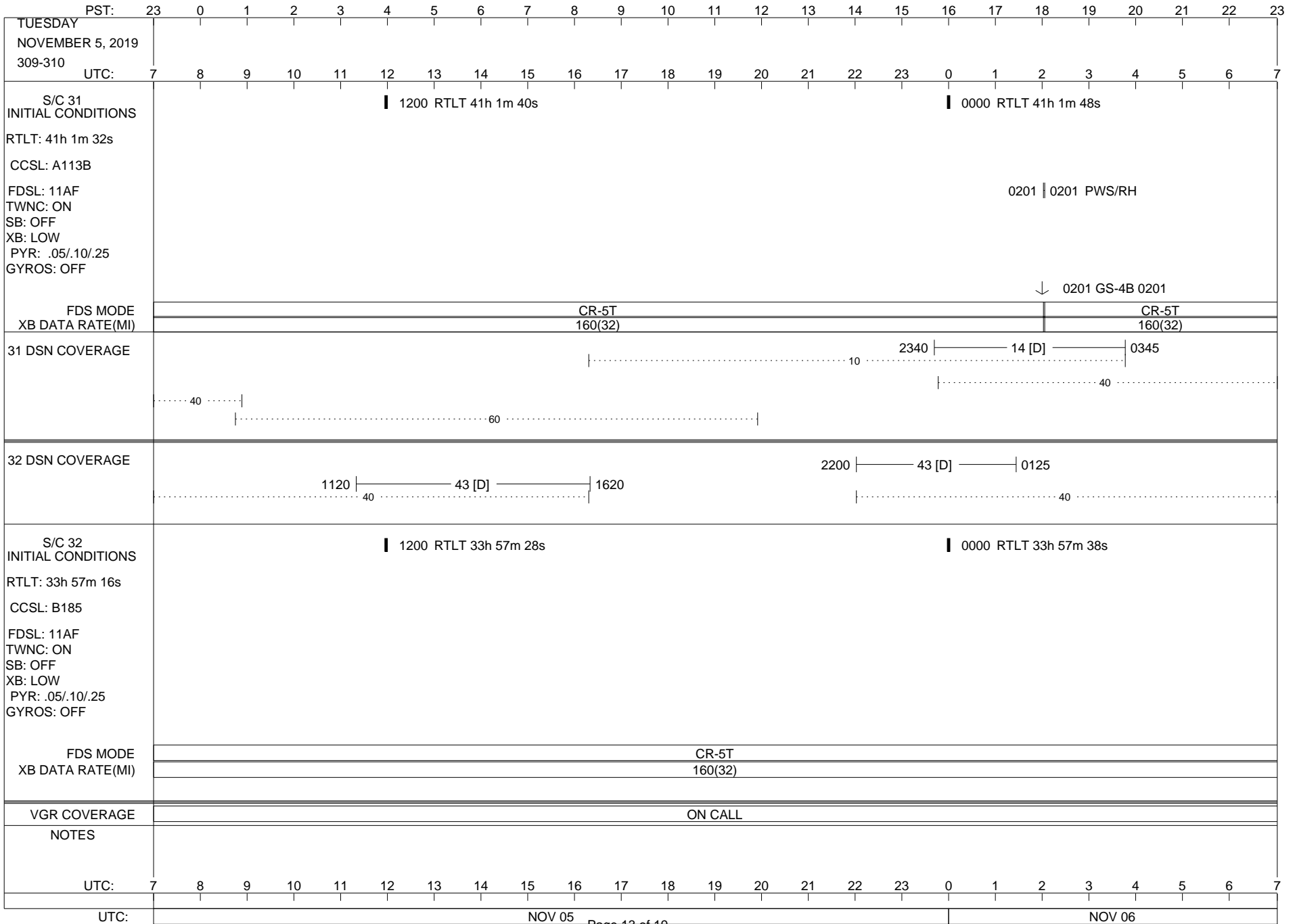


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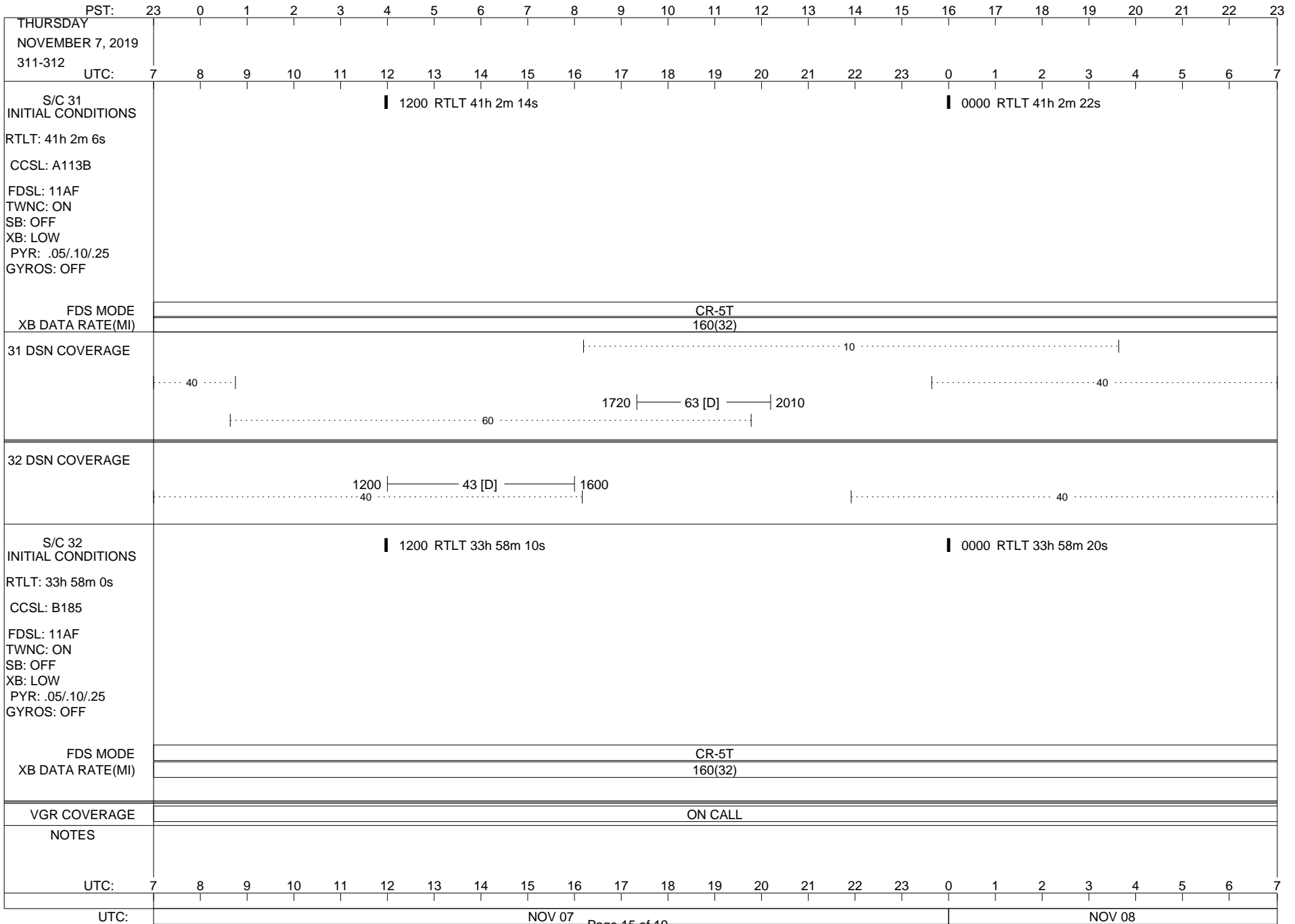


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MONDAY NOVEMBER 4, 2019 308-309																																			
UTC:	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7									
S/C 31 INITIAL CONDITIONS	1200 RTLT 41h 1m 22s														0000 RTLT 41h 1m 32s																				
RTLT: 41h 1m 14s															↓ 2057 BAY 1 HTR OFF ↓ 2057 GYROS BC ON ↓ 2058 GYRO INIT ↓ 2107 GYRO FAULT TEST ↓ 2128 AAI 2131 - 2205 MAGROL ↓ 2210 RAI ↓ 2216 GYROS OFF ↓ 2224 BAY 1 HTR ON ↓ 2100 EL-40 2101																				
CCSL: A113B																																			
FDSL: 11AF																																			
TWNC: ON																																			
SB: OFF																																			
XB: LOW																																			
PYR: .05/10/.25																																			
GYROS: OFF																																			
FDS MODE	CR-5T														CR-5T																				
XB DATA RATE(MI)	160(32)														160(32)																				
31 DSN COVERAGE 40 60														2000 ----- 14 [DAR] ----- 0000 2100 ----- 24 [DA] ----- 2230 10 40																				
32 DSN COVERAGE 40 1155 ----- 43 [Bo] ----- 1620 40																																		
S/C 32 INITIAL CONDITIONS	1200 RTLT 33h 57m 6s														0000 RTLT 33h 57m 16s																				
RTLT: 33h 56m 56s															▼ 1302 DUMMY (5 MIN BRACKETED 23:00)																				
CCSL: B185																																			
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							VGR							ON CALL							VGR							ON CALL						
NOTES																																			
UTC:	6	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:	NOV 04														NOV 05																				

ISSUE DATE: 10/23/19 07:28



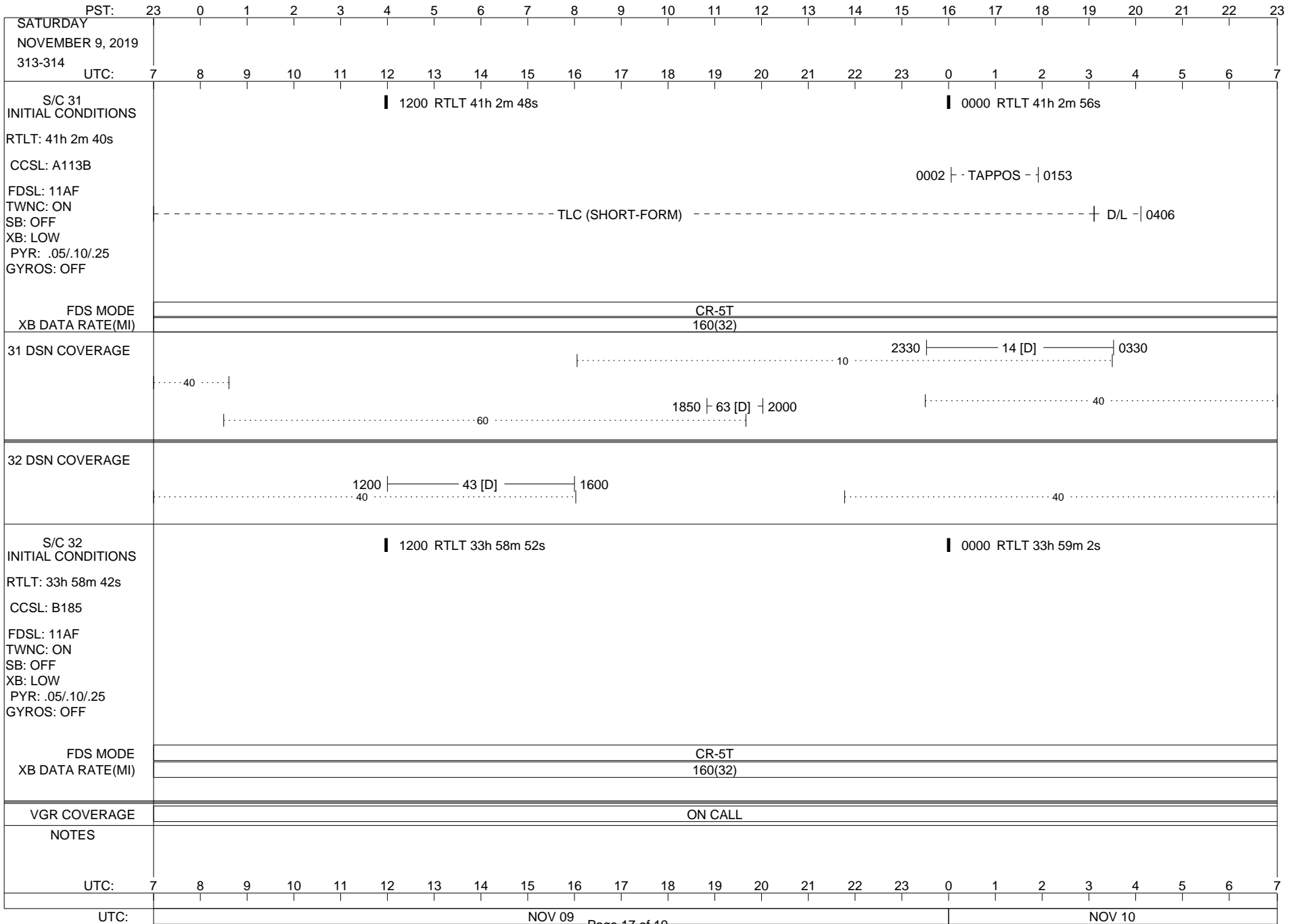
ISSUE DATE: 10/23/19 07:28



ISSUE DATE: 10/23/19 07:28

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FRIDAY NOVEMBER 8, 2019 312-313		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: 41h 2m 22s CCSL: A113B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 41h 2m 30s											0000 RTLT 41h 2m 40s														
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																									
31 DSN COVERAGE		0845 ----- 63 [T] ----- 1245 ----- 40 -----											0230 14 [D] 0330 ----- 40 -----														
32 DSN COVERAGE		1205 ----- 43 [D] ----- 1605 ----- 40 -----																									
S/C 32 INITIAL CONDITIONS RTLT: 33h 58m 20s CCSL: B185 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 33h 58m 32s											0000 RTLT 33h 58m 42s														
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																									
VGR COVERAGE		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:		NOV 08											NOV 09														

ISSUE DATE: 10/23/19 07:28



ISSUE DATE: 10/23/19 07:28

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 NOVEMBER 11, 2019 315-316	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: 41h 3m 12s CCSL: A113B FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/100/.25 GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 41h 3m 20s</p> <p>0959 TAPPOS 1139 1059 -- 1139 TAPPOS</p> <p>1351 -- 1424 SSB ASCAL ↓ 1424 ROLL=-.25 ↓ 1430 X/B LOW POWER ↓ 1434 BAY 1 HTR ON</p> <p>↓ 1325 EL-40 1427</p>																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)					EL-40 40(30)					CR-5T 160(32)														
31 DSN COVERAGE	<p>..... 40 1040 ----- 63 [D] ----- 1440</p> <p>..... 60</p>																								
32 DSN COVERAGE	<p>..... 40 1155 ----- 43 [D] ----- 1555</p> <p>..... 40</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 33h 59m 24s CCSL: B185 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 33h 59m 34s</p>																								
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:	NOV 11															NOV 12									