

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 19, 2021

For the Period: 10/21/21 to 11/09/21 (21/294 – 21/312)



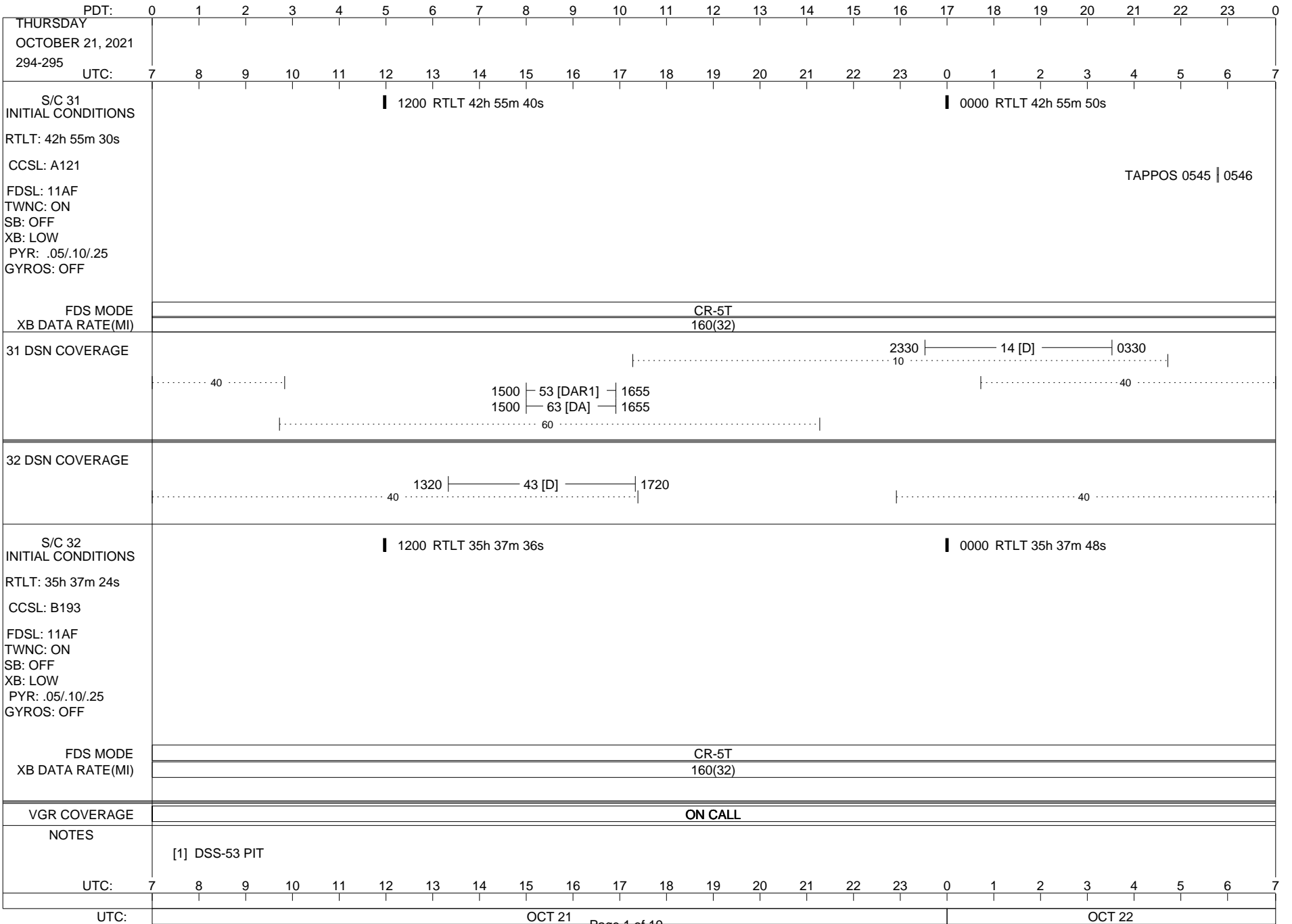
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

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

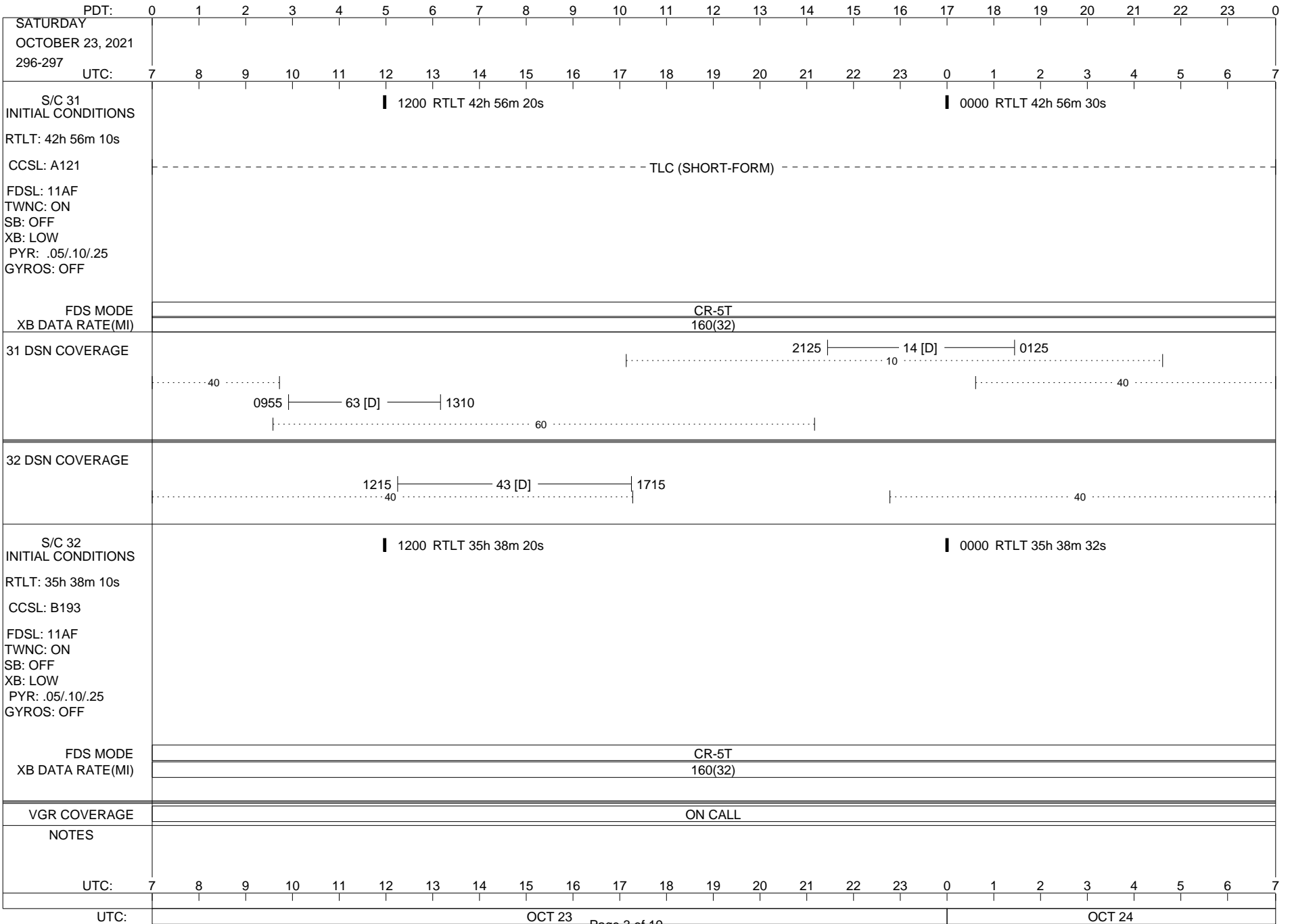
ISSUE DATE: 10/27/21 09:34



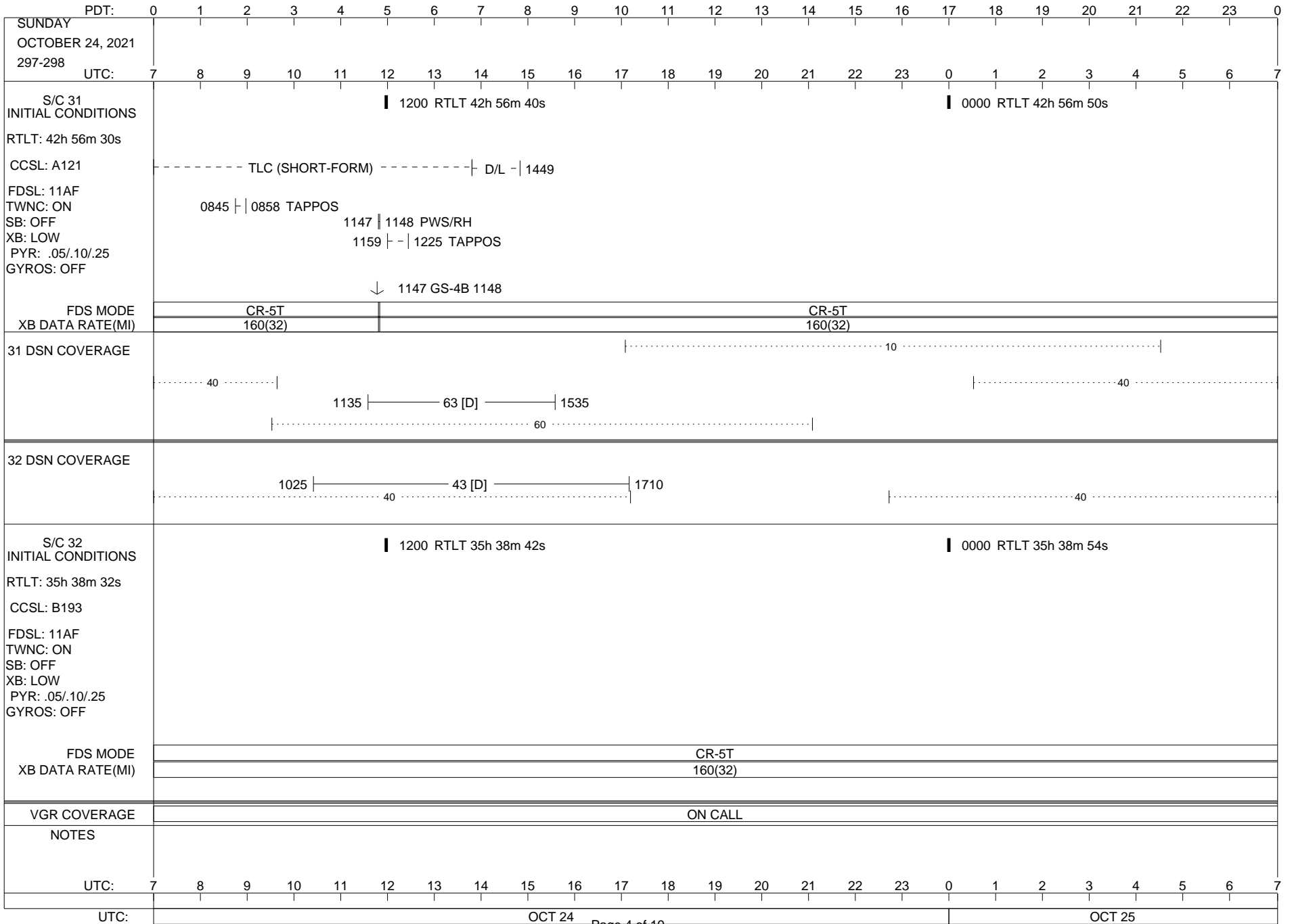
ISSUE DATE: 10/27/21 09:34

PDT:	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
FRIDAY OCTOBER 22, 2021 295-296																									
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: 42h 55m 50s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 42h 56m 0s												█ 0000 RTLT 42h 56m 10s							
↓ 0846 GS-4B 0848																									
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																	CR-5T 160(32)							
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 35h 37m 48s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 35h 37m 58s													█ 0000 RTLT 35h 38m 10s						
▼ 0007 DUMMY (5 MIN BRACKETED 11:46)																									
FDS MODE XB DATA RATE(MI)																			CR-5T 160(32)						
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:																									

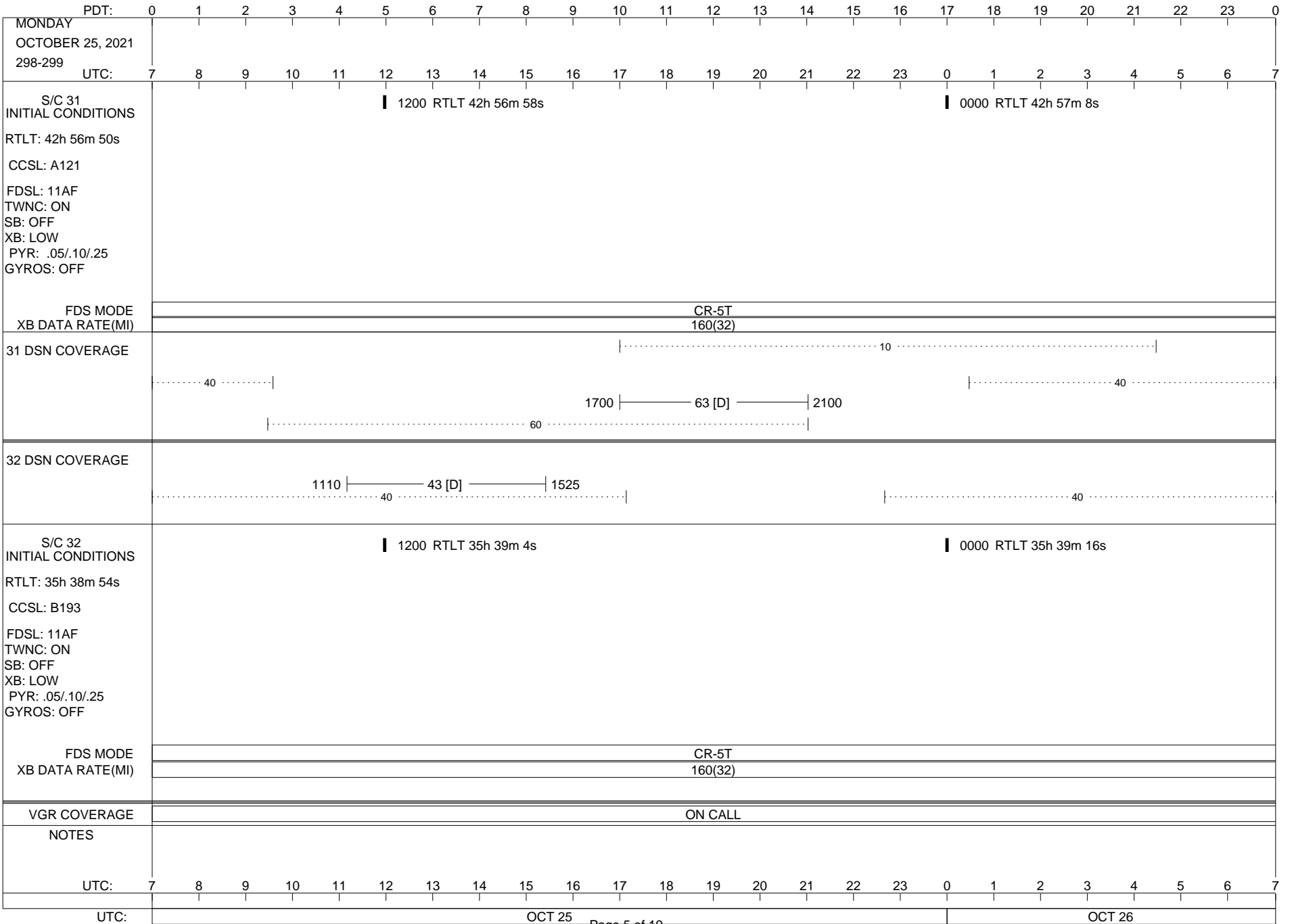
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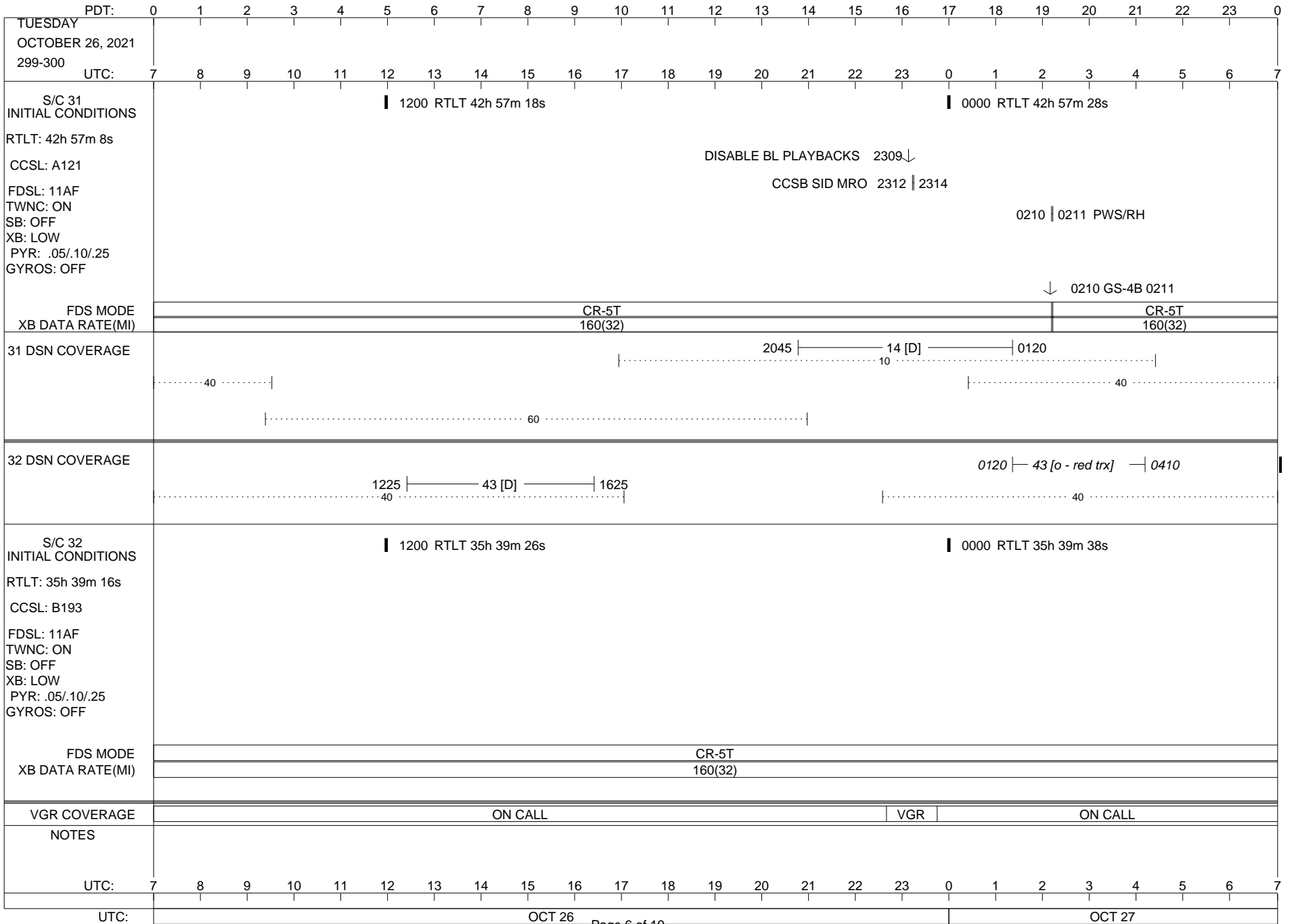
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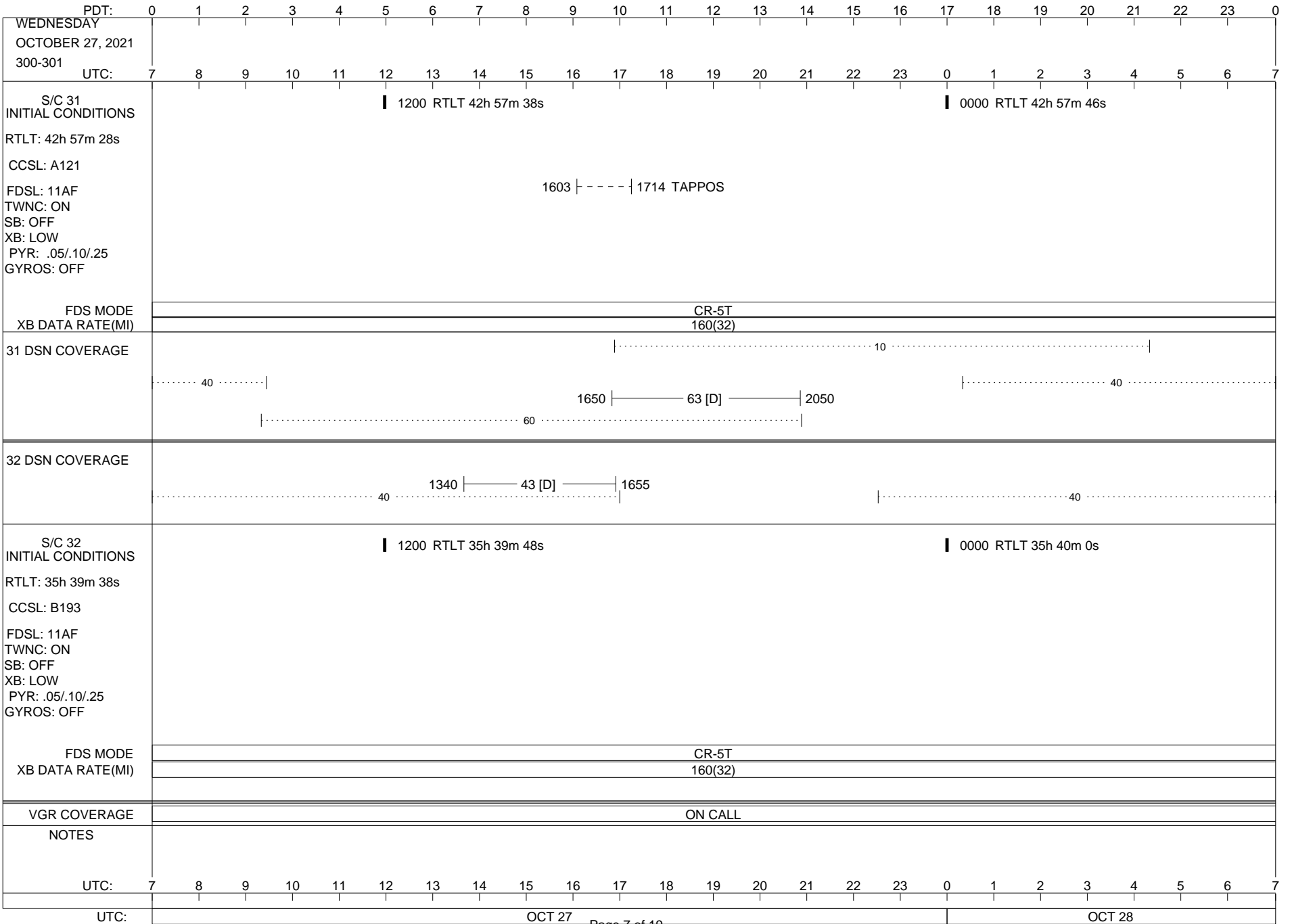
ISSUE DATE: 10/27/21 09:34



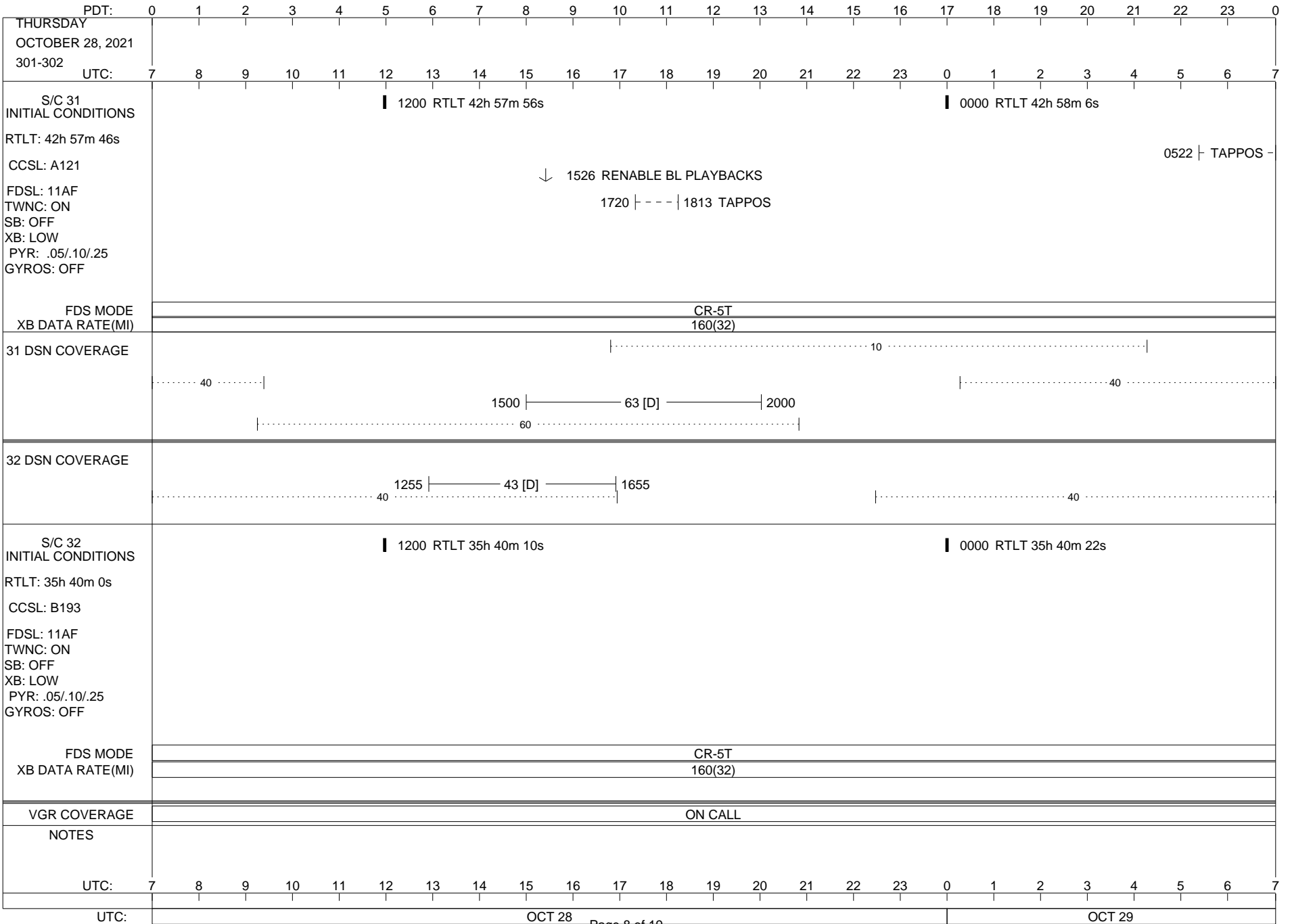
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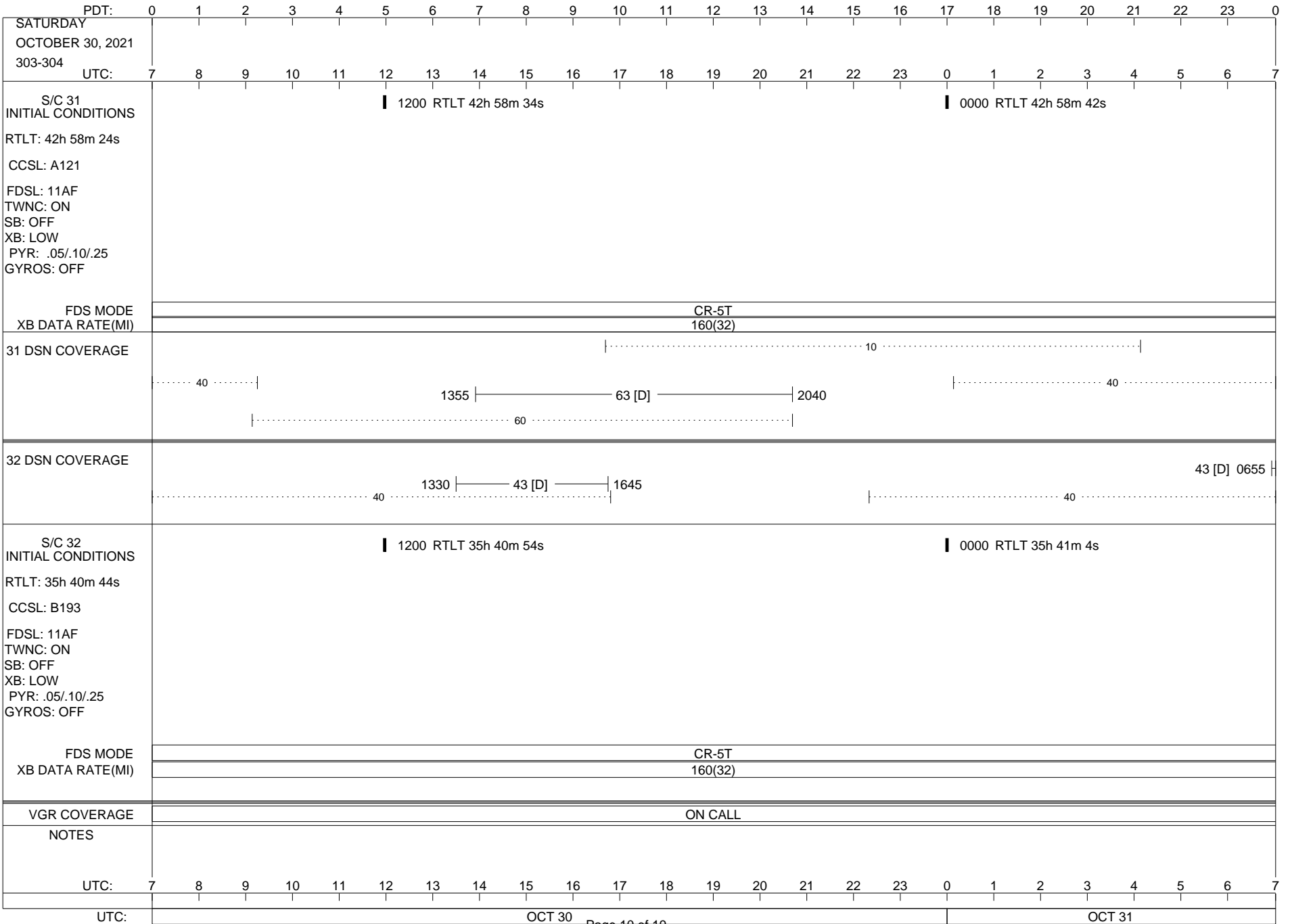
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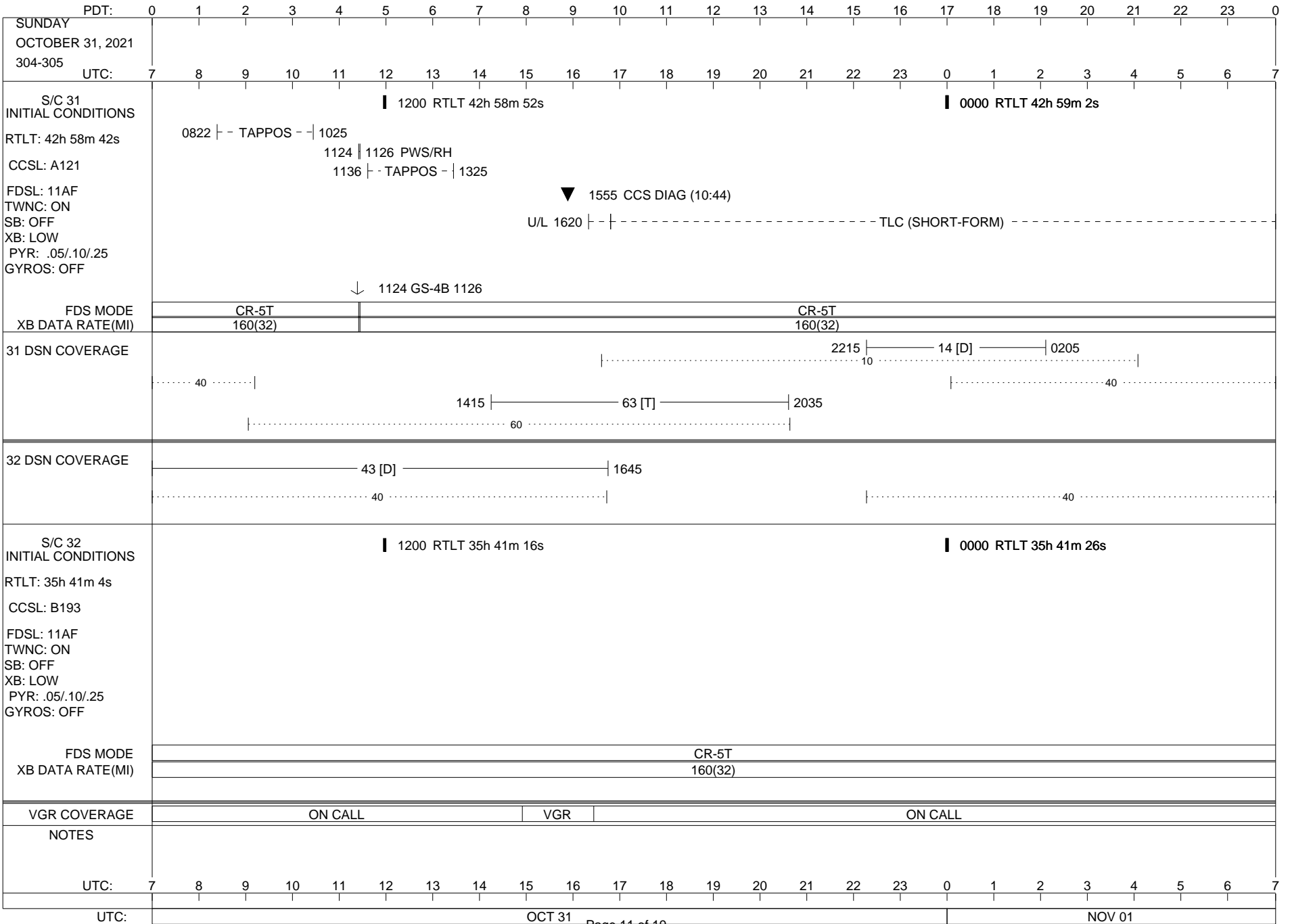
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
FRIDAY OCTOBER 29, 2021 302-303																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 42h 58m 6s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 42h 58m 14s												█ 0000 RTLT 42h 58m 24s							
0739 TAPPOS 0824 0825 PWS/RH 0836 - TAPPOS - 1039 ↓ 0824 GS-4B 0825																									
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
CR-5T 160(32)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 35h 40m 22s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 35h 40m 32s													█ 0000 RTLT 35h 40m 44s						
DUMMY (5 MIN BRACKETED 13:48) 0207▼																									
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:																									

ISSUE DATE: 10/27/21 09:34



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ISSUE DATE: 10/27/21 09:34

PDT: 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

TUESDAY
NOVEMBER 2, 2021
306-307
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: 42h 59m 20s
CCSL: A121
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/25
GYROS: OFF
1200 RTLT 42h 59m 28s
0000 RTLT 42h 59m 38s
0147 | 0148 PWS/RH
TLC (SHORT-FORM) ---| D/L -| 1237
↓ 0147 GS-4B 0148

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

31 DSN COVERAGE
1630 | 14 [D] | 1855
10
40
1030 | 63 [D] | 1430
60

32 DSN COVERAGE
1220 | 43 [D] | 1635
40
0105-0655 | 43 [o]
40

S/C 32
INITIAL CONDITIONS
RTLT: 35h 41m 48s
CCSL: B193
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/25
GYROS: OFF
1200 RTLT 35h 41m 58s
0000 RTLT 35h 42m 10s

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

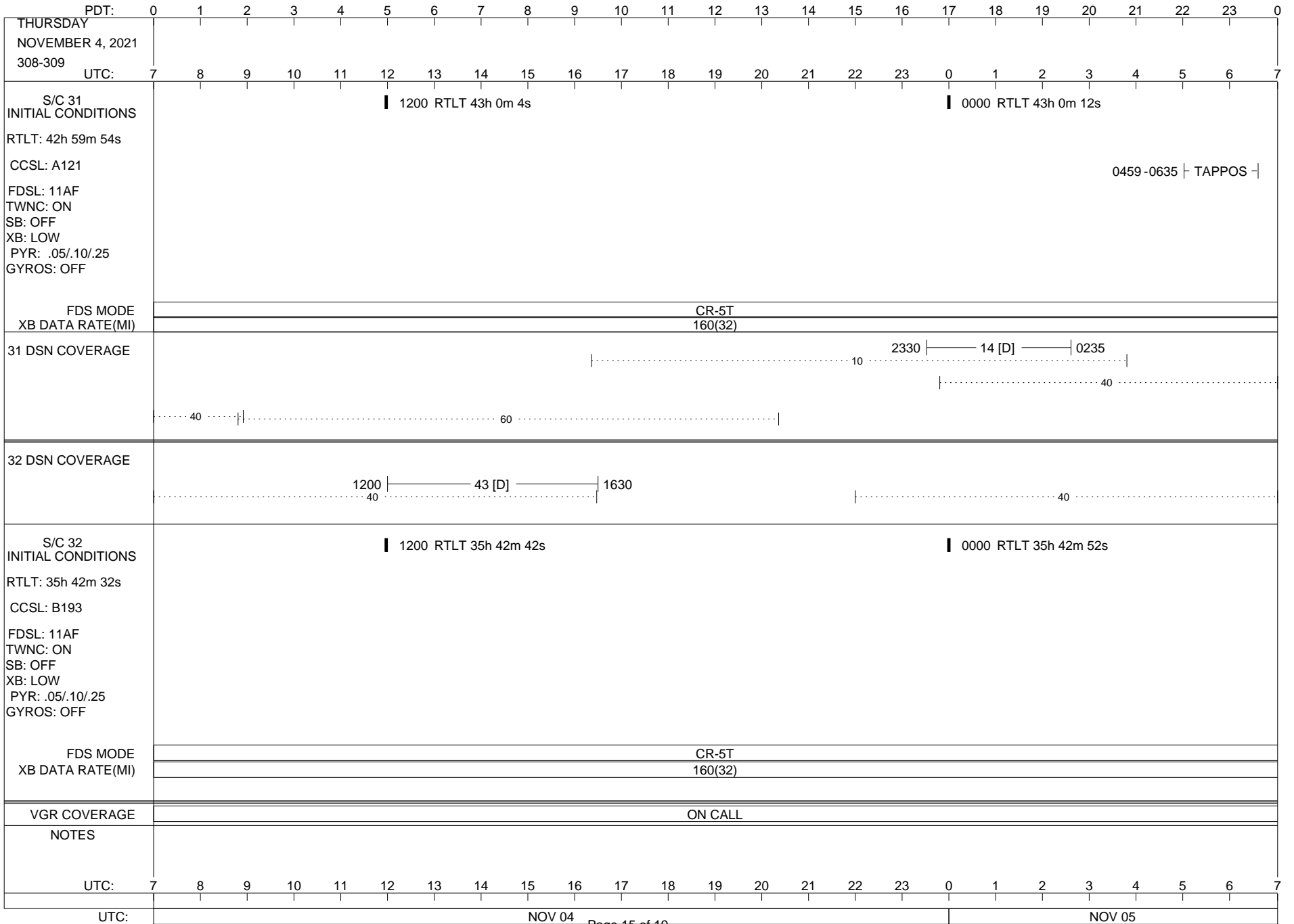
VGR COVERAGE
ON CALL

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: NOV 02 NOV 03

ISSUE DATE: 10/27/21 09:34



ISSUE DATE: 10/27/21 09:34

PDT:	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
FRIDAY NOVEMBER 5, 2021 309-310																									
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: 43h 0m 12s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 43h 0m 20s												0000 RTLT 43h 0m 30s												
	0802 0802 PWS/RH 0813 TAPPOS 0934												2348 - TAPPOS - 0153												
	↓ 0801 GS-4B 0802																								
FDS MODE XB DATA RATE(MI)	CR-5T												CR-5T 160(32)												
31 DSN COVERAGE40.....												2145 -----14 [D]----- 034010.....												
	-----60-----												-----40-----												
32 DSN COVERAGE	1225 -----43 [D]----- 162540.....												0020-0615 -----43 [H]----- -----40-----												
S/C 32 INITIAL CONDITIONS RTLT: 35h 42m 52s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 43m 4s												0000 RTLT 35h 43m 14s												
													▼ 0131 EL-40 (13:15) ▼ 0153 CCSL B194 (13:36) ▼ 0235 CCSTIM F/C (14:18) ▼ 0302 CR-5T (14:46)												
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 05												NOV 06												

PDT:		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			
SATURDAY																													
NOVEMBER 6, 2021																													
310-311																													
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: 43h 0m 30s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 43h 0m 38s											0000 RTLT 43h 0m 46s																	
	↓ 1008 BAY 1 HTR OFF ↓ 1012 X/B HI POWER ↓ 1023 YAW=.05 1034 ----- 1635											↓ 2133 BAY 1 HTR OFF ↓ 2133 GYROS BC ON ↓ 2133 GYRO INIT ↓ 2143 GYRO FAULT TEST ↓ 2203 AAI 2206 ----- 2237 MAGROL ↓ 2245 RAI ↓ 2252 GYROS OFF ↓ 2300 BAY 1 HTR ON 1934 TAPPOS 2055																	
	↓ 1034 PB-14 1034											↓ 1632 X/B LOW POWER ↓ 1636 BAY 1 HTR ON ↓ 1645 YAW=.10 ↓ 1635 CR-5T 1635 ↓ 2136 EL-40 2138																	
	FDS MODE		CR-5T					PB-14					CR-5T					CR-5T											
XB DATA RATE(MI)		160(32)					1.4K(39)					160(32)					160(32)												
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS RTLT: 35h 43m 14s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 35h 43m 24s											0000 RTLT 35h 43m 34s																	
	1544 1600 SHUNT POWER TEST																												
	FDS MODE																											CR-5T	
	XB DATA RATE(MI)																											160(32)	
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:		NOV 06															NOV 07												

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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
SUNDAY NOVEMBER 7, 2021 311-312																								
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
S/C 31 INITIAL CONDITIONS RTLT: 43h 0m 46s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05.100.255 GYROS: OFF	1200 RTLT 43h 0m 56s												0000 RTLT 43h 1m 4s											
	0759 TAPPOS 0921												1102 1103 PWS/RH 1113 - - - - 1221 TAPPOS											
	↓ 1101 GS-4B 1103																							
FDS MODE	CR-5T												CR-5T											
XB DATA RATE(MI)	160(32)												160(32)											
31 DSN COVERAGE10.....											
40.....											40.....											
60.....												1635 -----63 [D]----- 2010											
32 DSN COVERAGE	0745 -----43 [D]----- 1615												2300 -----43 [o]----- 0355											
40.....											40.....											
S/C 32 INITIAL CONDITIONS RTLT: 35h 43m 34s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	1200 RTLT 35h 43m 46s												0000 RTLT 35h 43m 56s											
	* 1346 1350 B194 CHKSUM																							
	* 1419 1425 CCSTIM FINE																							
	1436 1439 COARSE																							
	EL-40 1316 ↓												↓ 1447 CR-5T											
FDS MODE	CR-5T												EL-40											
XB DATA RATE(MI)	160(32)												40(30)											
													CR-5T											
													160(32)											
VGR COVERAGE	ON CALL												VGR											
													ON CALL											
NOTES	[1] S/C 32=EL-40 @ 1316 XB=40(30) [2] S/C 32=CR-5T @ 1447 XB=160(32)																							
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
UTC:	NOV 07																		NOV 08					

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PST:	22	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 8, 2021 312-313																											
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 RTLTL: 43h 1m 4s CCSL: A121 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05.100.255 GYROS: OFF	1200 RTLTL 43h 1m 12s											0000 RTLTL 43h 1m 20s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)											CR-5T 160(32)															
31 DSN COVERAGE	1605 ----- 14 [D] ----- 2000											10 ----- 40															
32 DSN COVERAGE	1035 ----- 43 [D] ----- 1610											40 ----- 40															
S/C 32 INITIAL CONDITIONS RTLTL: 35h 43m 56s CCSL: B193 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	1200 RTLTL 35h 44m 6s											0000 RTLTL 35h 44m 16s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																										
VGR COVERAGE	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 08																		NOV 09								