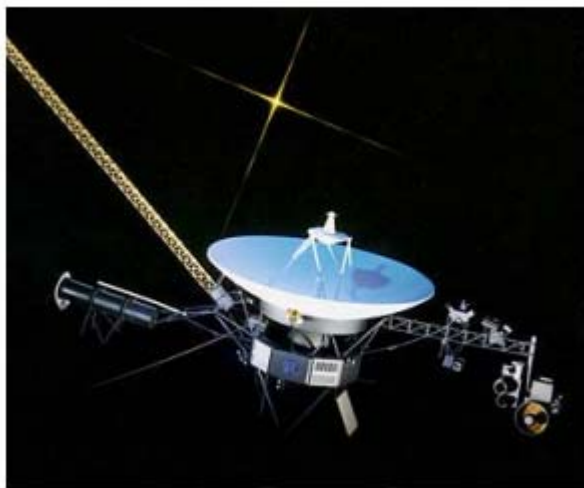


# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: October 14, 2020

For the Period: 10/15/20 to 11/02/20 (20/289– 20/307)



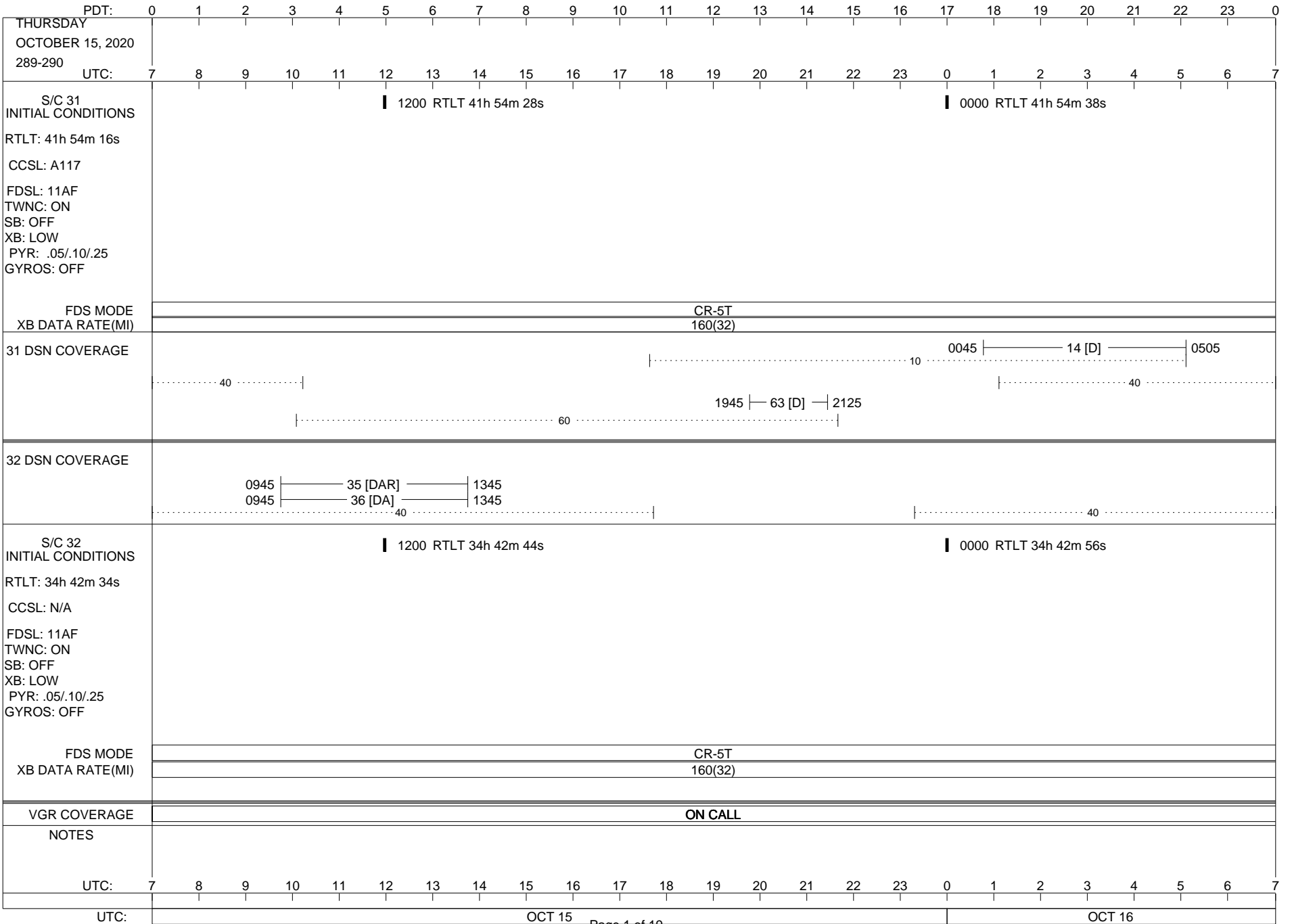
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

**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

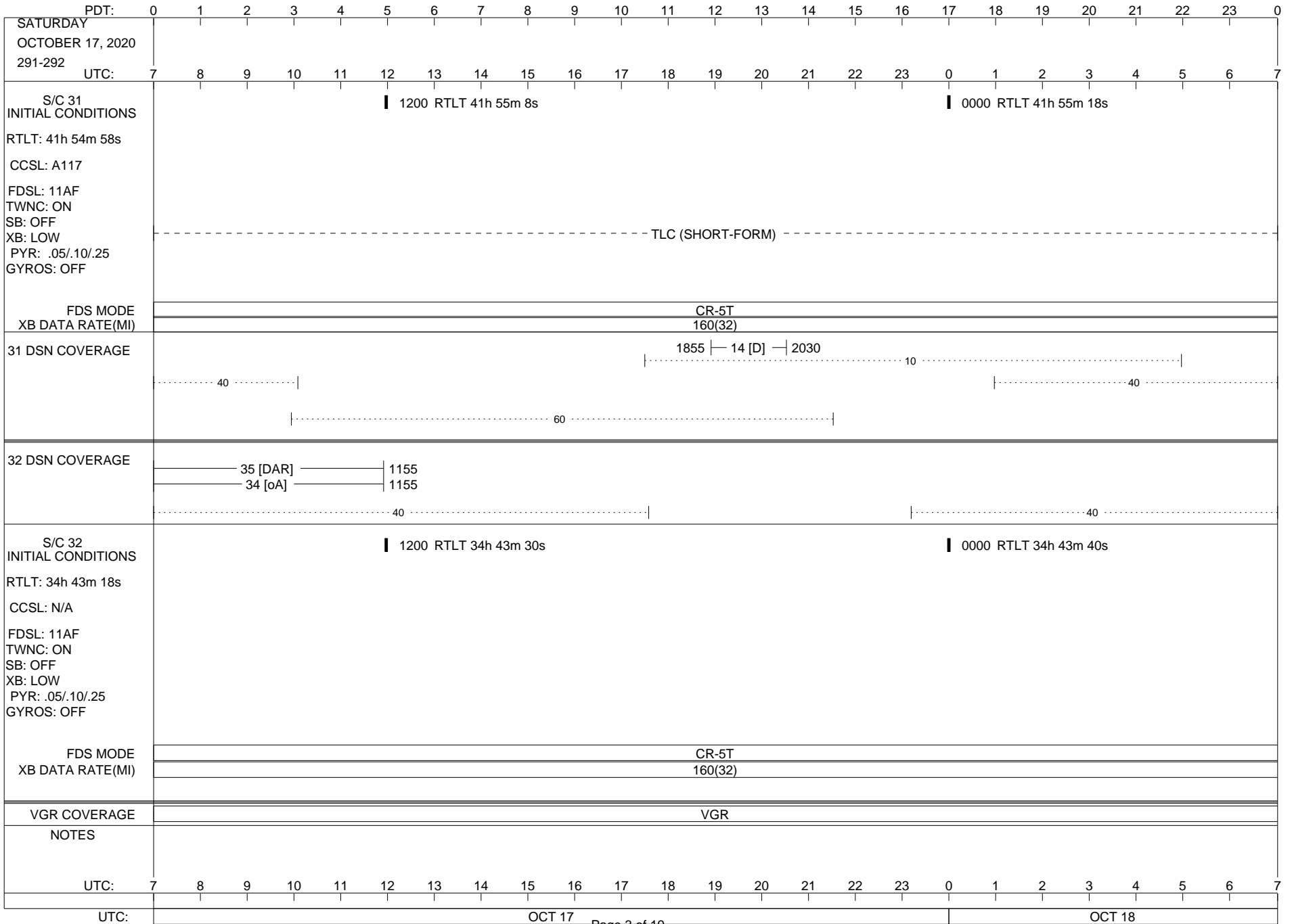
02/27/19

ISSUE DATE: 10/21/20 10:31

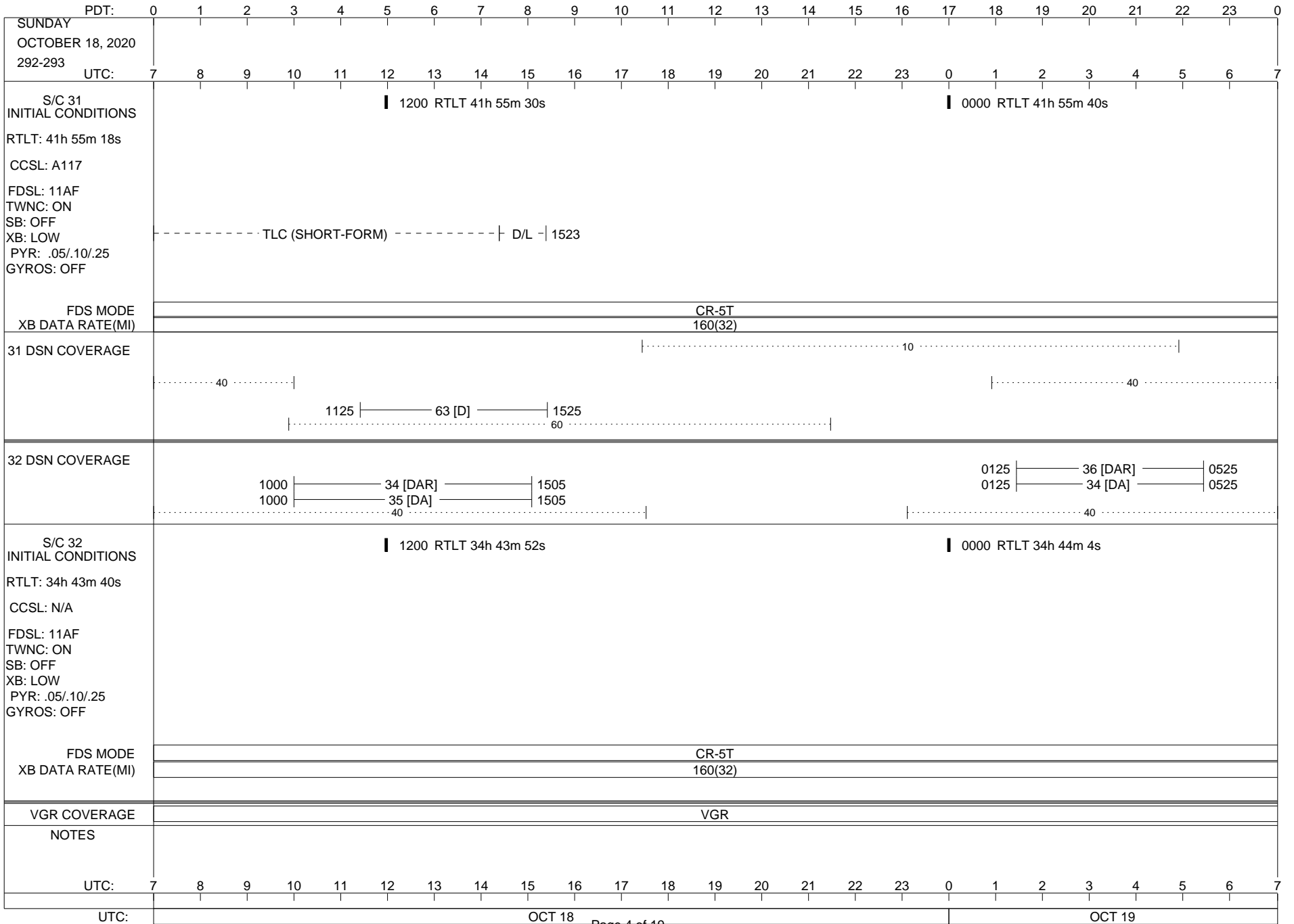




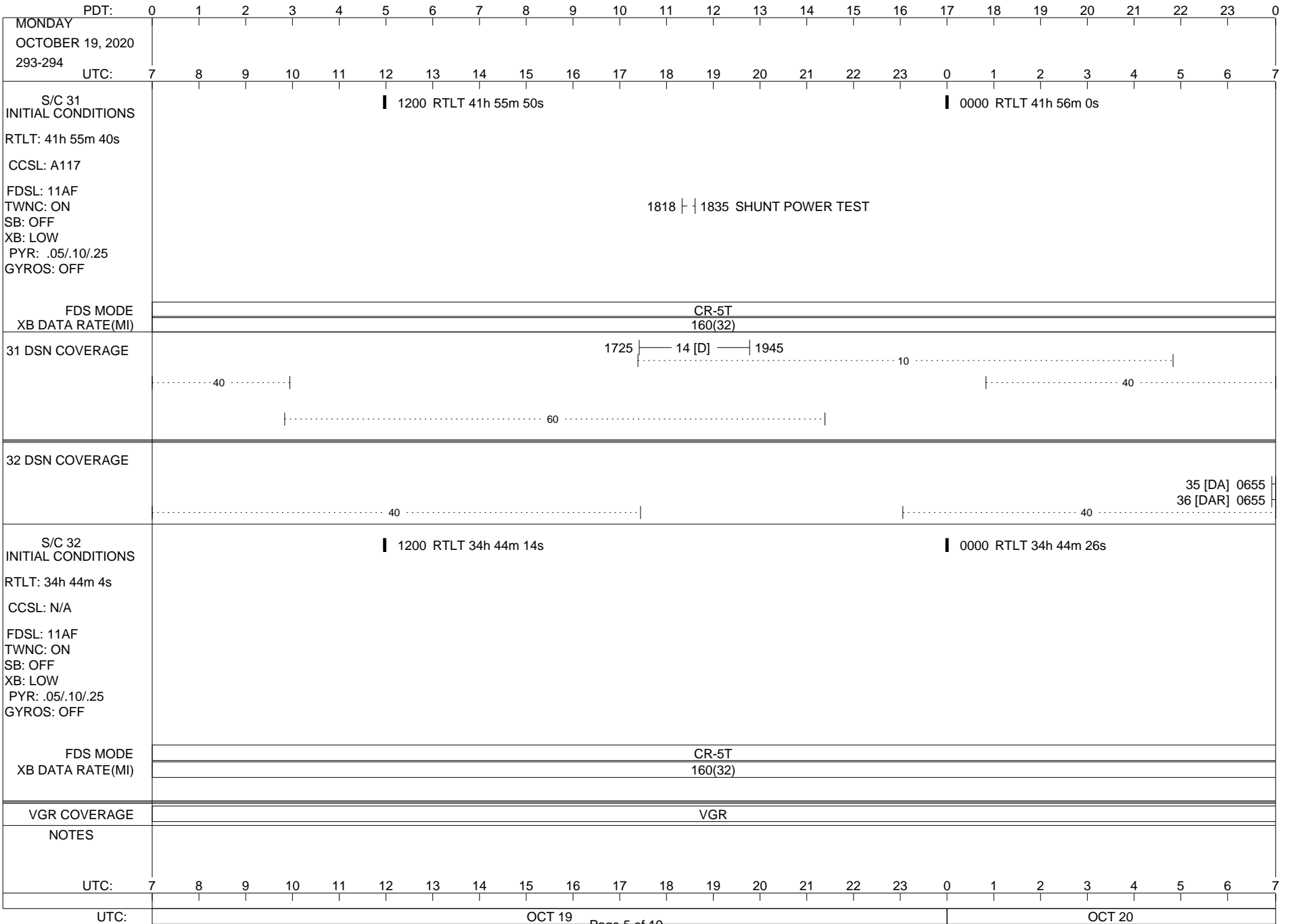
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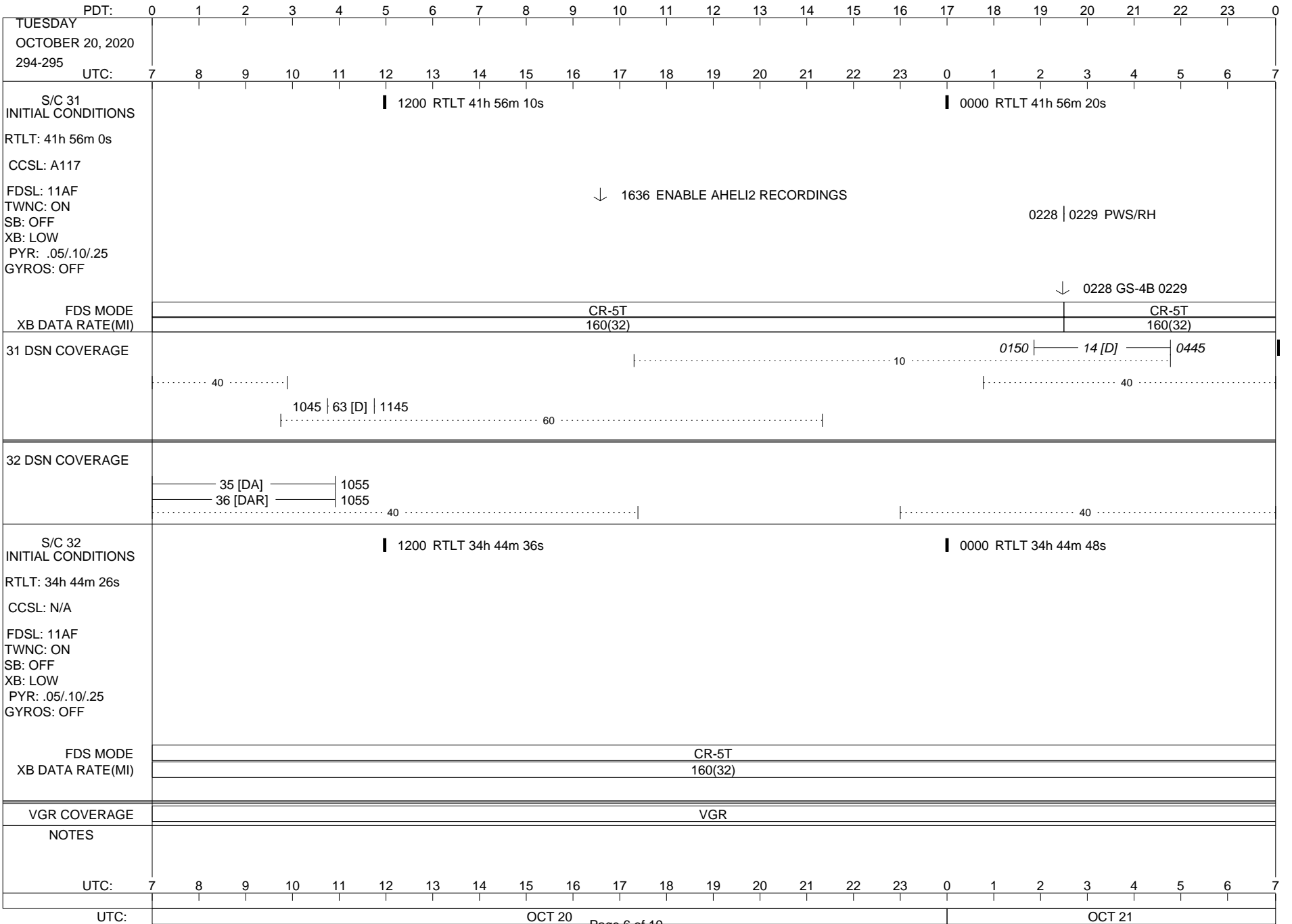
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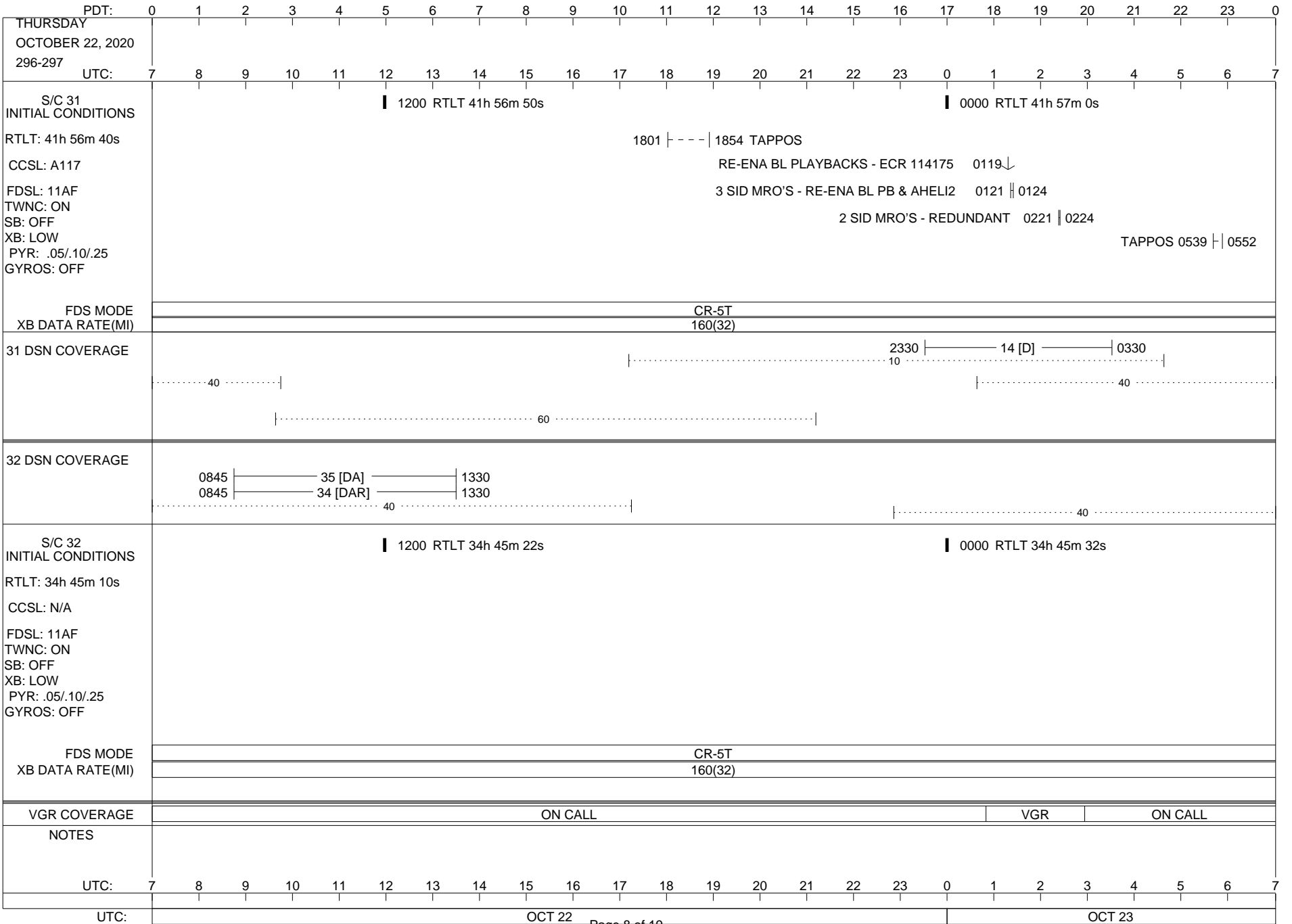


ISSUE DATE: 10/21/20 10:31

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		
WEDNESDAY																												
OCTOBER 21, 2020																												
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		1200 RTLT 41h 56m 30s													0000 RTLT 41h 56m 40s													
RTLTL: 41h 56m 20s		↓ 1019 NO-OP BL PLAYBACKS - ECR 114175																										
CCSL: A117		1021    1024 3 SID MRO'S - NO-OP BL PB & AHEL12																										
FDSL: 11AF		1121    1124 3 SID MRO'S - REDUNDANT																										
TWNC: ON		1645   - - -   1742 TAPPOS																										
SB: OFF																												
XB: LOW																												
PYR: .05/10/25																												
GYROS: OFF																												
FDS MODE		CR-5T																										
XB DATA RATE(MI)		160(32)																										
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS		1200 RTLT 34h 44m 58s													0000 RTLT 34h 45m 10s													
RTLTL: 34h 44m 48s																												
CCSL: N/A																												
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		VGR													ON CALL													
NOTES		[1] DSS-43 U/L-ONLY HP TRANSMITTER TEST (NO D/L), DRV ON >= 00:20																										
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 21													OCT 22													

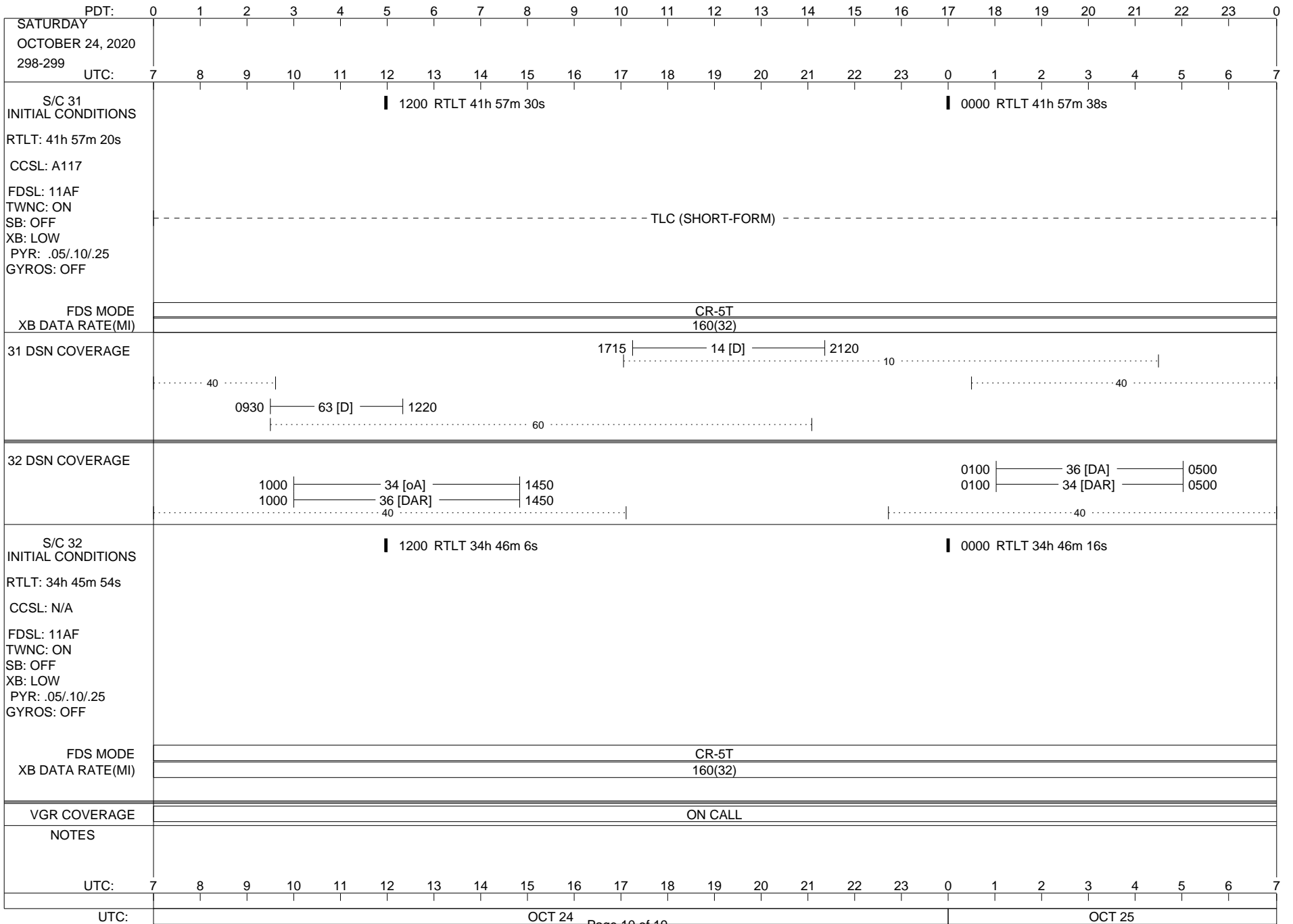


ISSUE DATE: 10/21/20 10:31

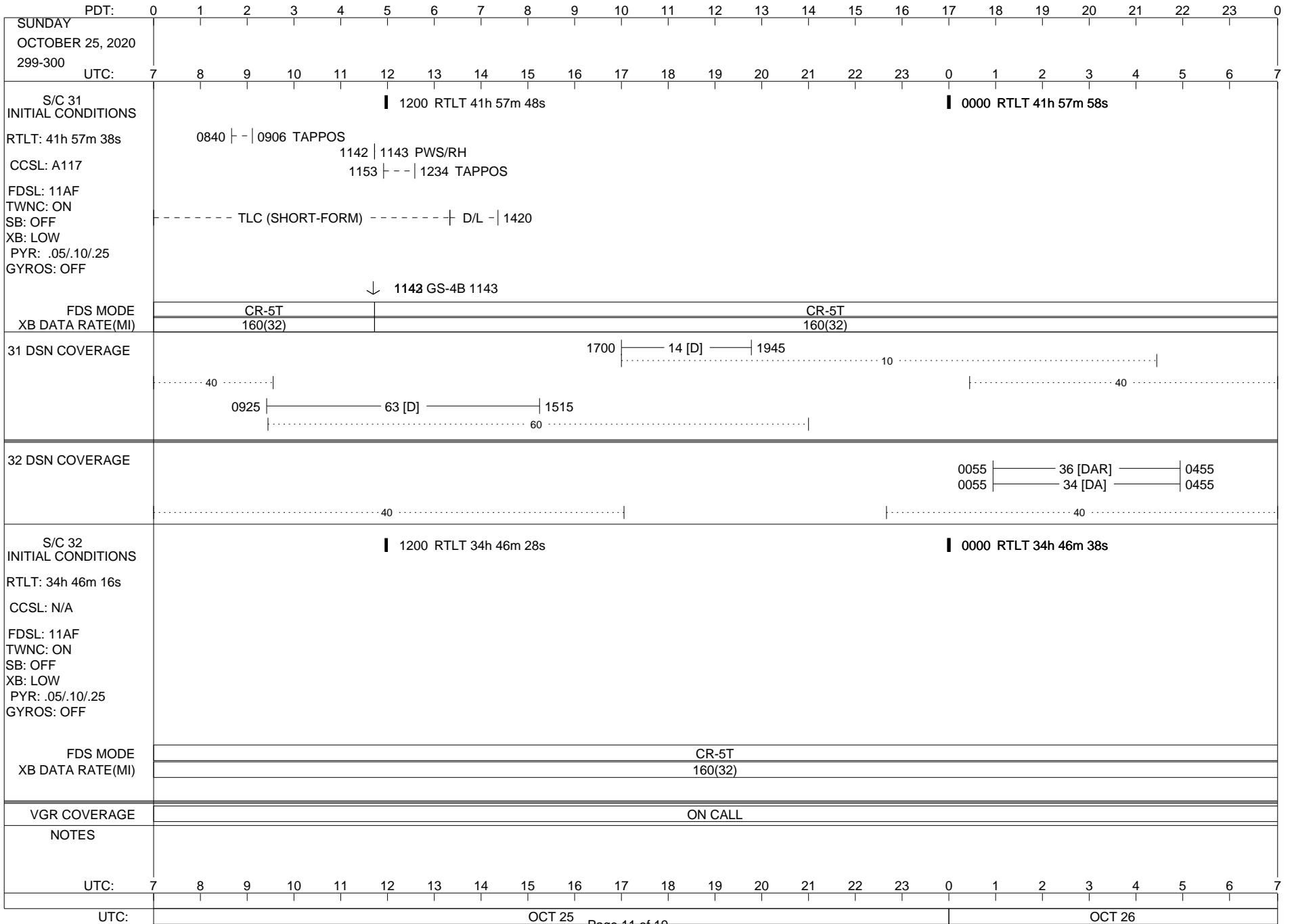


ISSUE DATE: 10/21/20 10:31

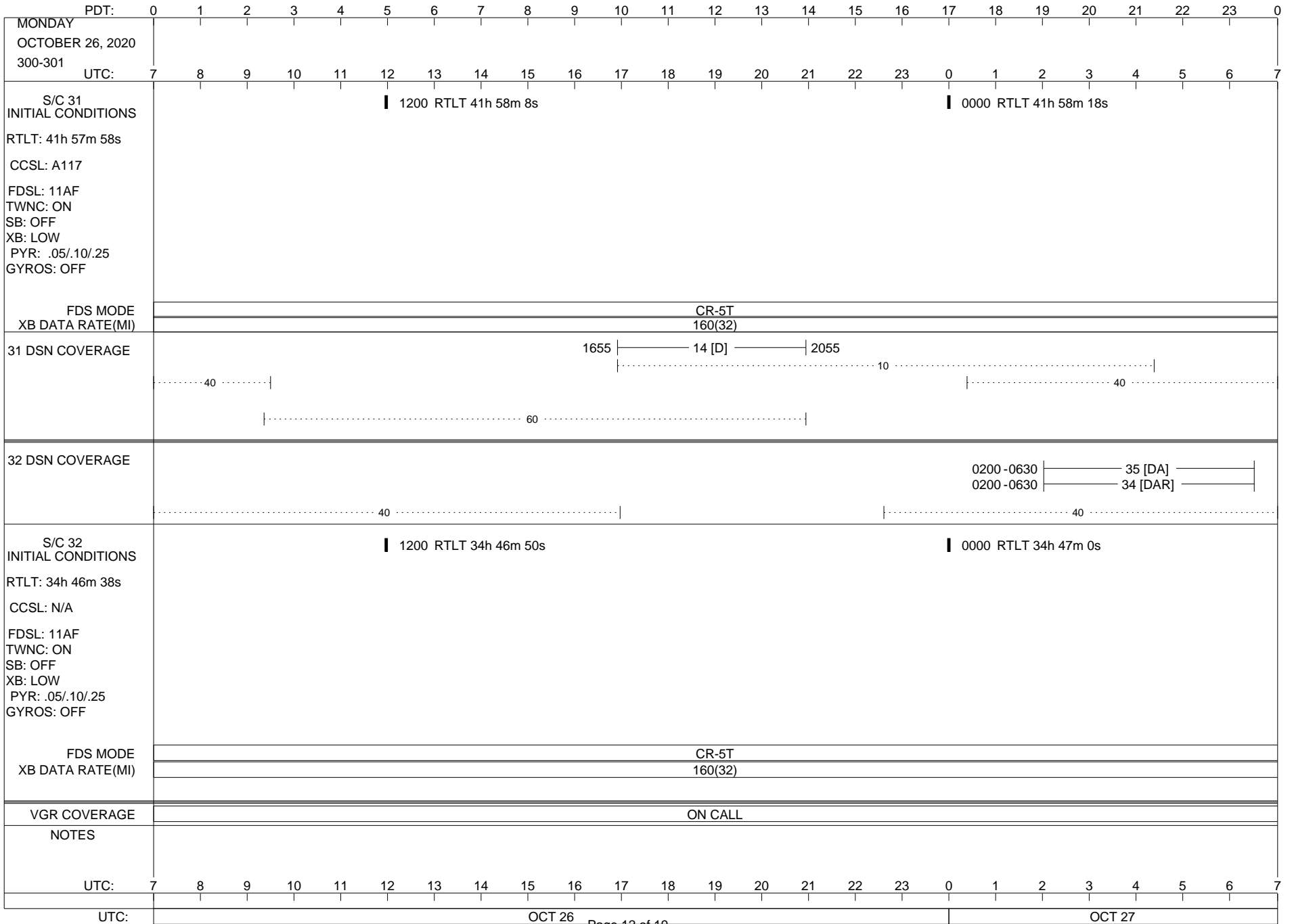
PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0					
FRIDAY OCTOBER 23, 2020 297-298					
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7					
S/C 31 INITIAL CONDITIONS RTLTL: 41h 57m 0s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<p>1200 RTLT 41h 57m 10s</p> <p>0842   0843 PWS/RH</p> <p>0853   -   0919 TAPPOS</p> <p>1825 CCS DIAG (12:22)</p> <p>U/L 1855   -   - - - - - TLC (SHORT-FORM) - - - - -</p> <p>1945    1951 CCSTIMB FINE</p> <p>↓ 0842 GS-4B 0843</p>				
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T</td> <td>CR-5T</td> </tr> <tr> <td>160(32)</td> <td>160(32)</td> </tr> </table>	CR-5T	CR-5T	160(32)	160(32)
CR-5T	CR-5T				
160(32)	160(32)				
31 DSN COVERAGE	<p>1710  -----  14 [T]  -----  2130</p> <p>..... 40 .....  -----  40 .....</p> <p> -----  60 .....</p>				
32 DSN COVERAGE	<p>0755  -----  34 [DA]  -----  1320</p> <p>0755  -----  35 [DAR1]  -----  1320</p> <p>..... 40 .....</p> <p> -----  40 .....</p>				
S/C 32 INITIAL CONDITIONS RTLTL: 34h 45m 32s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<p>1200 RTLT 34h 45m 44s</p> <p>0000 RTLT 34h 45m 54s</p>				
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T</td> </tr> <tr> <td>160(32)</td> </tr> </table>	CR-5T	160(32)		
CR-5T					
160(32)					
VGR COVERAGE	<table border="1"> <tr> <td>ON CALL</td> <td>VGR</td> <td>ON CALL</td> </tr> </table>	ON CALL	VGR	ON CALL	
ON CALL	VGR	ON CALL			
NOTES	[1] DSS-43 HP TRANSMITTER TEST BLF D/L SUPPORT				
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 23  -----  OCT 24					



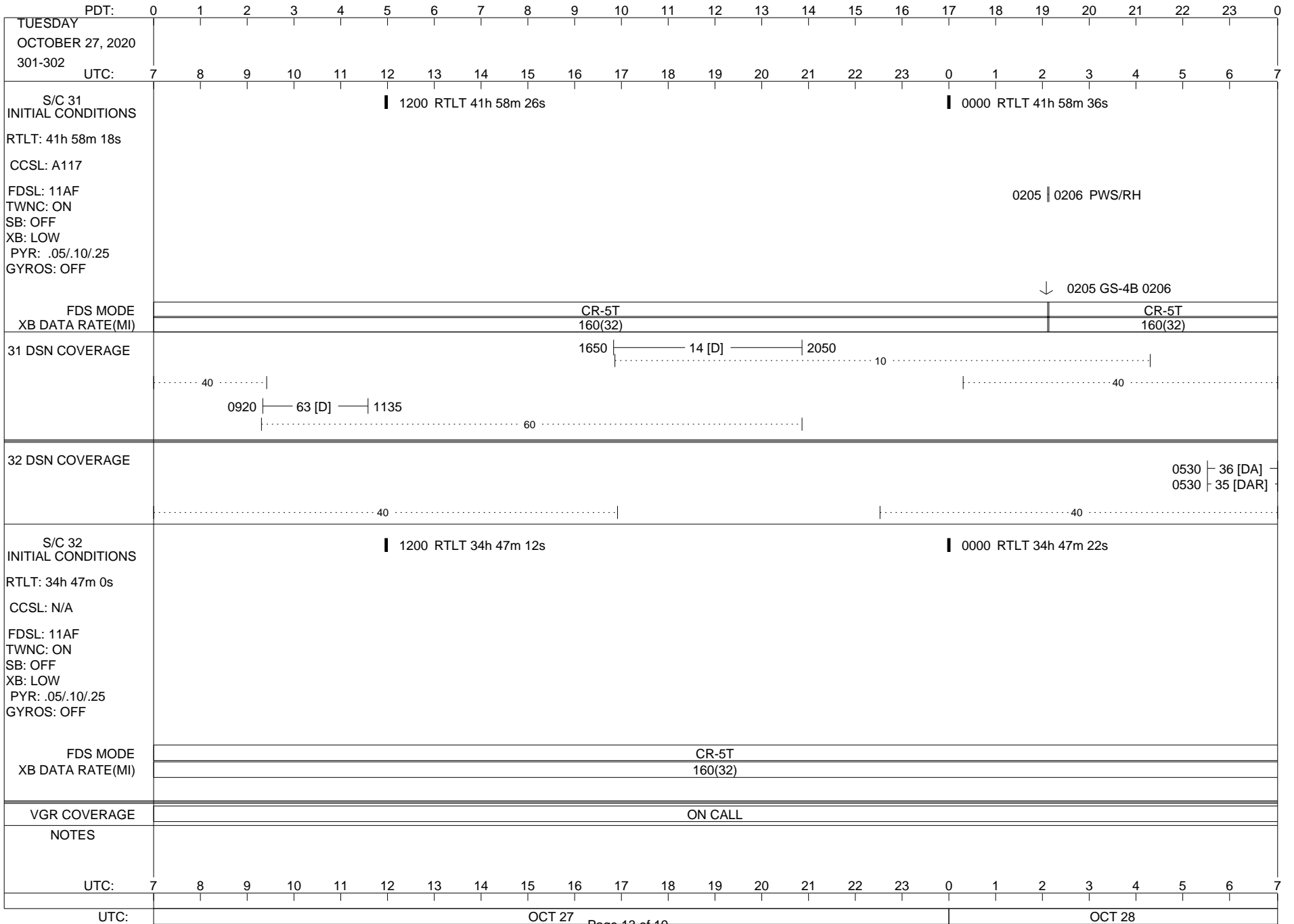
ISSUE DATE: 10/21/20 10:31



ISSUE DATE: 10/21/20 10:31



ISSUE DATE: 10/21/20 10:31



ISSUE DATE: 10/21/20 10:31

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

WEDNESDAY  
OCTOBER 28, 2020  
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: 41h 58m 36s  
CCSL: A117  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLT 41h 58m 46s

0000 RTLT 41h 58m 56s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32  
INITIAL CONDITIONS  
RTLT: 34h 47m 22s  
CCSL: N/A  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLT 34h 47m 34s

0000 RTLT 34h 47m 44s

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: OCT 28 Page 14 of 19 OCT 29

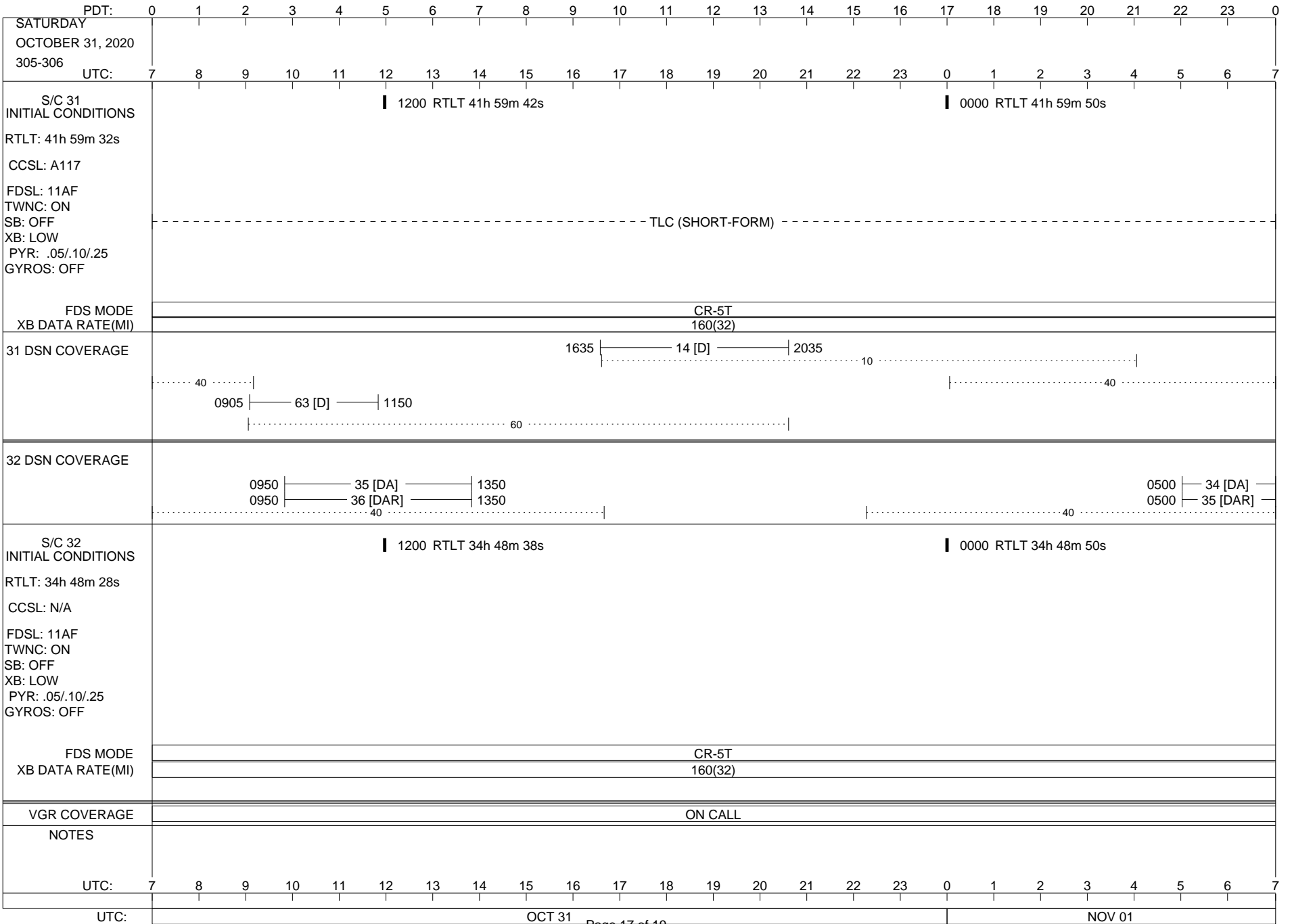
ISSUE DATE: 10/21/20 10:31

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
THURSDAY OCTOBER 29, 2020 303-304																									
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 58m 56s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF						█ 1200 RTLT 41h 59m 4s												█ 0000 RTLT 41h 59m 14s							
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE													.....10.....												
	.....40.....																.....40.....								
	.....60.....												1600   63 [D]   1700												
32 DSN COVERAGE													2345   43 [HB1]   0205												
	35 [DA]   0725-1125																0050   34[oA]   0450								
	36 [DAR]   0725-1125																0050   36 [DAR]   0450								
	.....40.....												.....40.....												
S/C 32 INITIAL CONDITIONS RTLT: 34h 47m 44s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF						█ 1200 RTLT 34h 47m 56s												█ 0000 RTLT 34h 48m 6s							
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL												VGR	ON CALL											
NOTES	[1] DSS-43 U/L-ONLY HP TRANSMITER TEST TRACK (NO D/L), DRV ON >= 23:45																								
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 29												OCT 30												

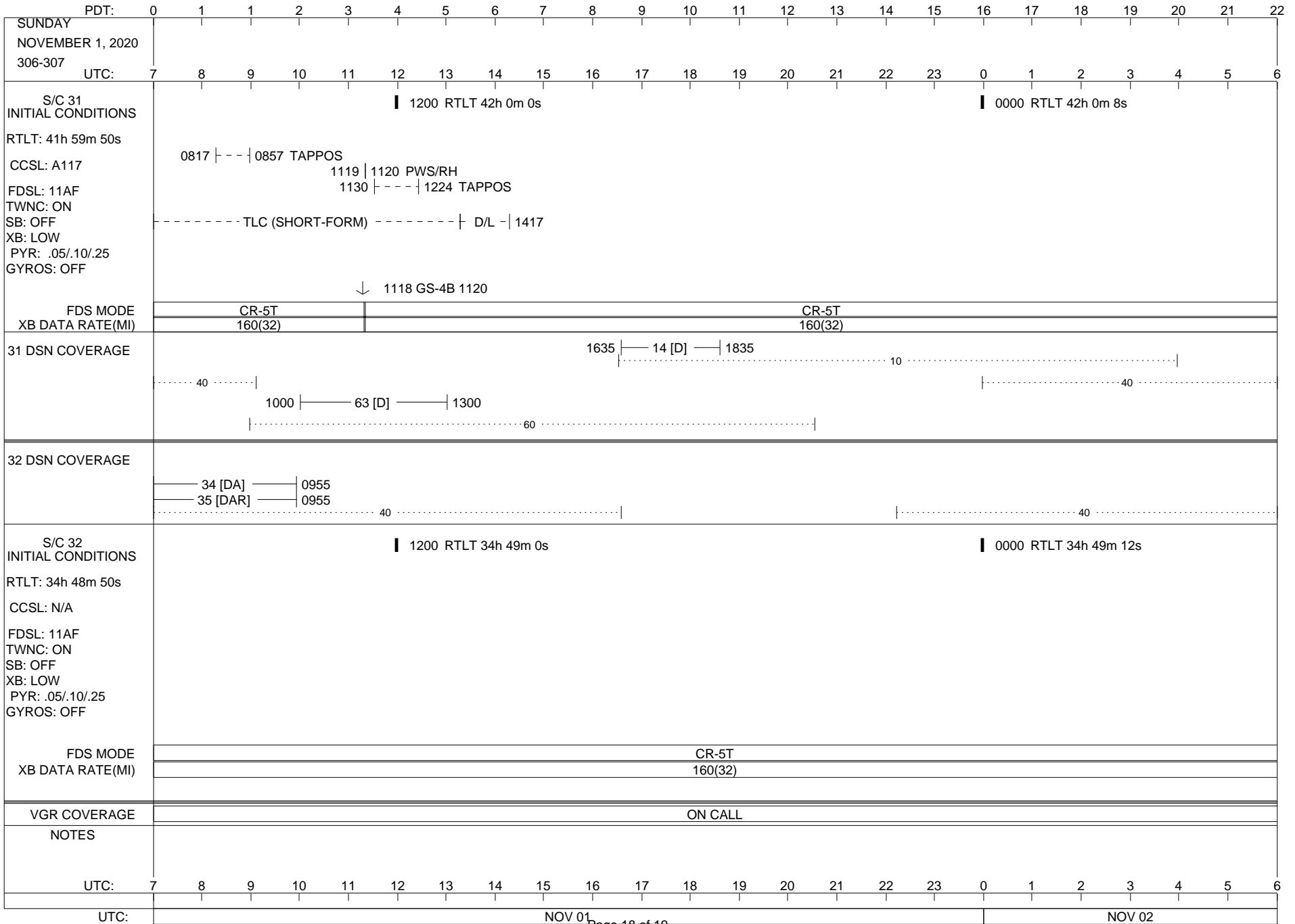




ISSUE DATE: 10/21/20 10:31



ISSUE DATE: 10/21/20 10:31



ISSUE DATE: 10/21/20 10:31

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 2, 2020  
307-308  
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  
RTLT: 42h 0m 8s  
CCSL: A117  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLT 42h 0m 18s

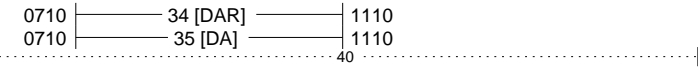
FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32  
INITIAL CONDITIONS  
RTLT: 34h 49m 12s  
CCSL: N/A  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLT 34h 49m 22s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

VGR COVERAGE

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 02

NOV 03