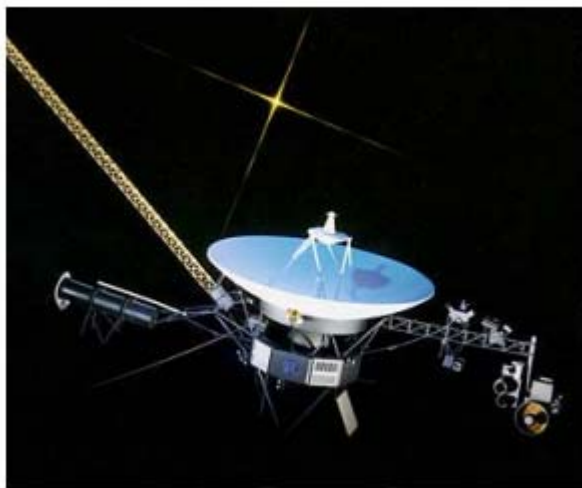


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 21, 2020

For the Period: 10/22/20 to 11/09/20 (20/296– 20/314)



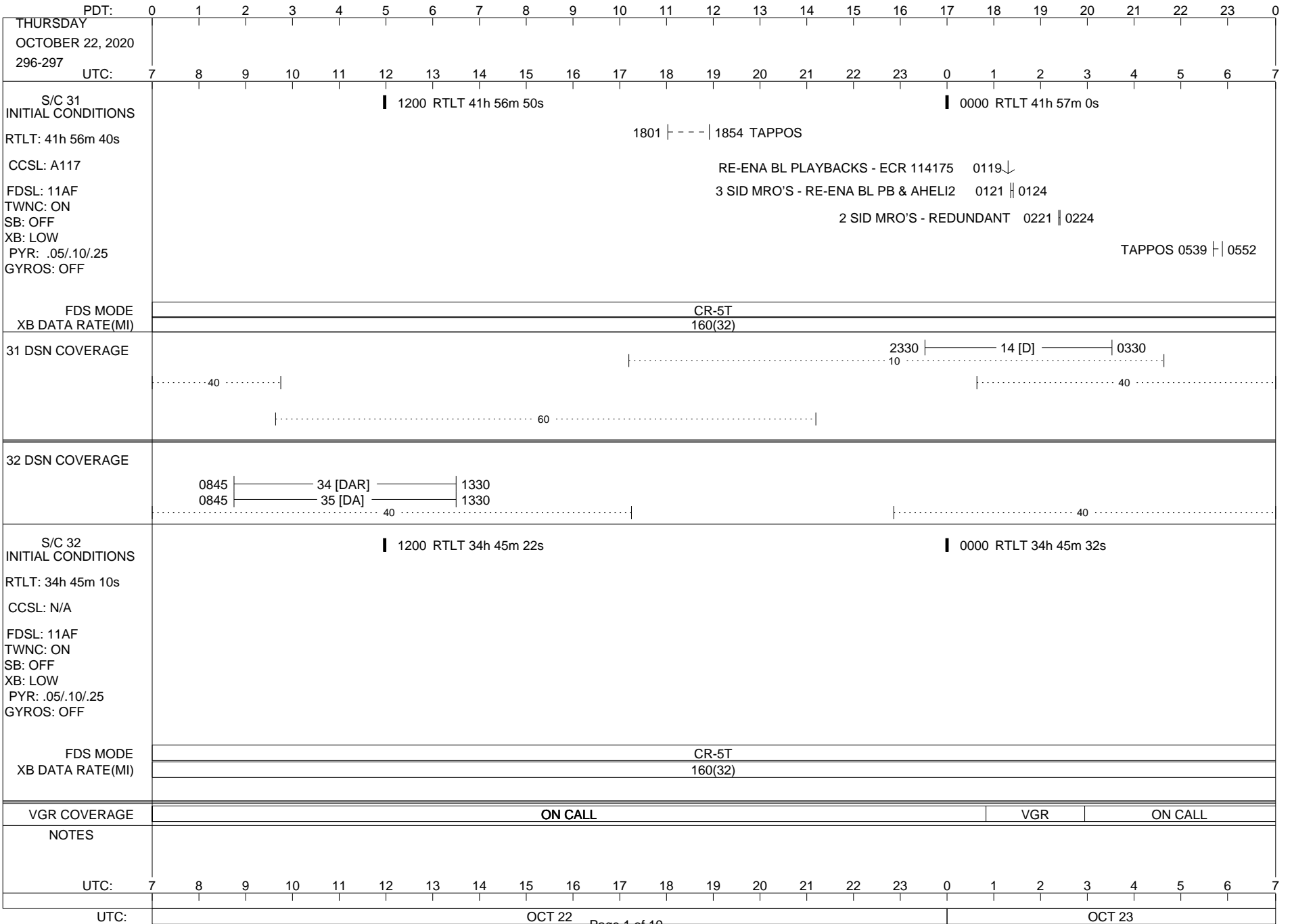
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

LEGEND:

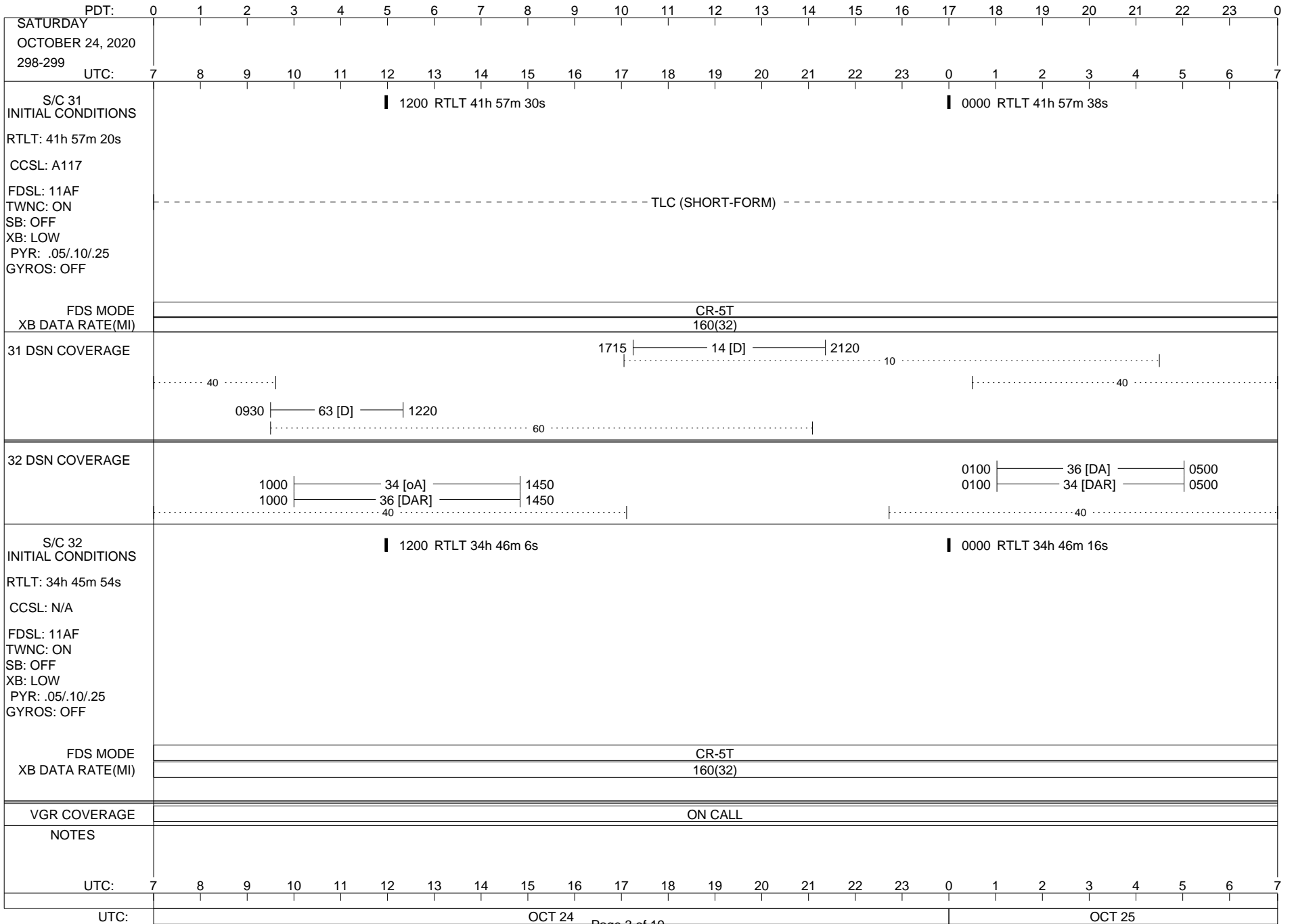
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U = Uplink only pass
- [o] = Ramp-through

02/27/19

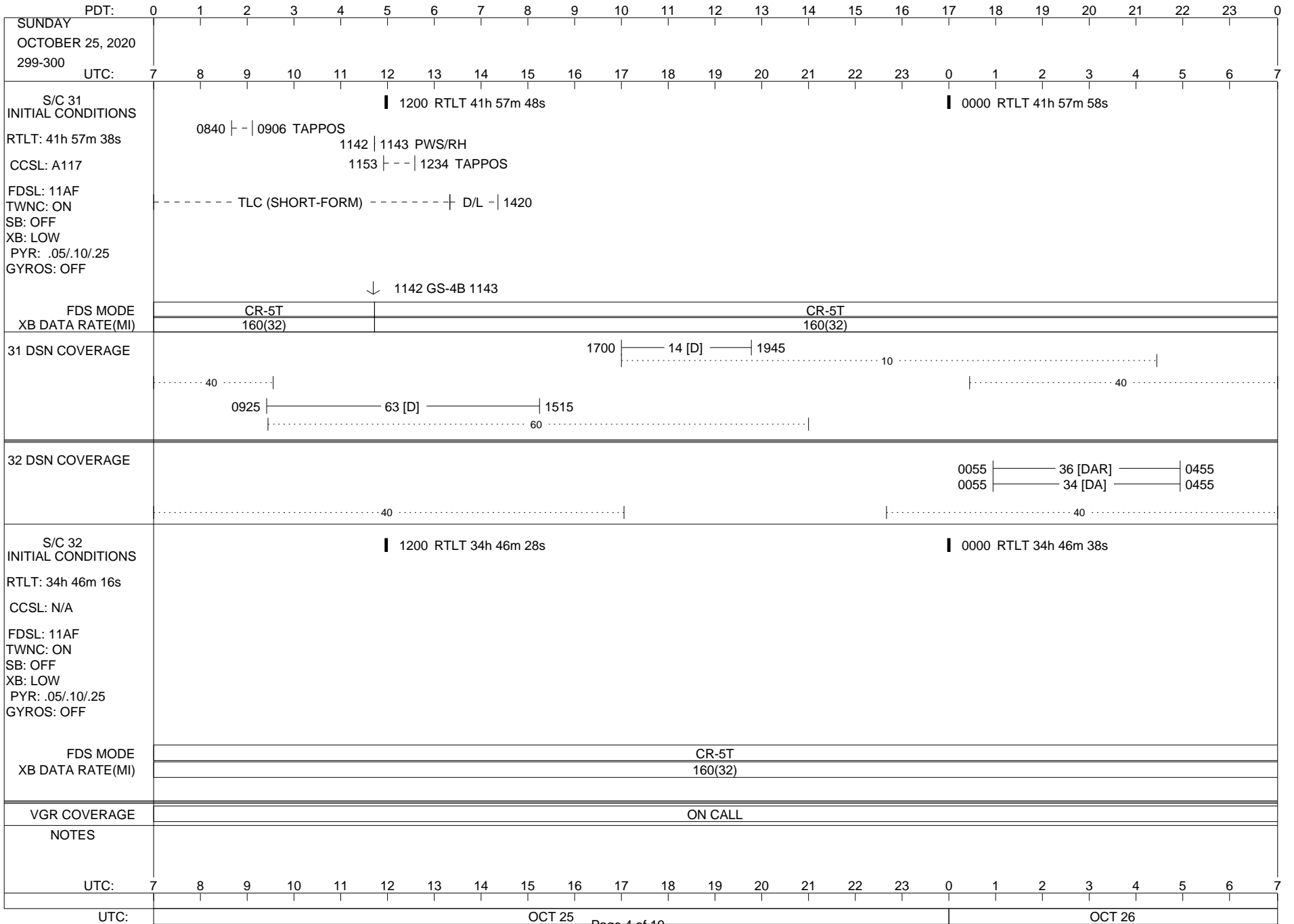
ISSUE DATE: 10/28/20 09:09



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			
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 23, 2020 297-298																												
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	1200 RTLTL 41h 57m 10s														0000 RTLTL 41h 57m 20s													
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 RTLTL: 34h 45m 32s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 34h 45m 44s														0000 RTLTL 34h 45m 54s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
VGR COVERAGE	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													

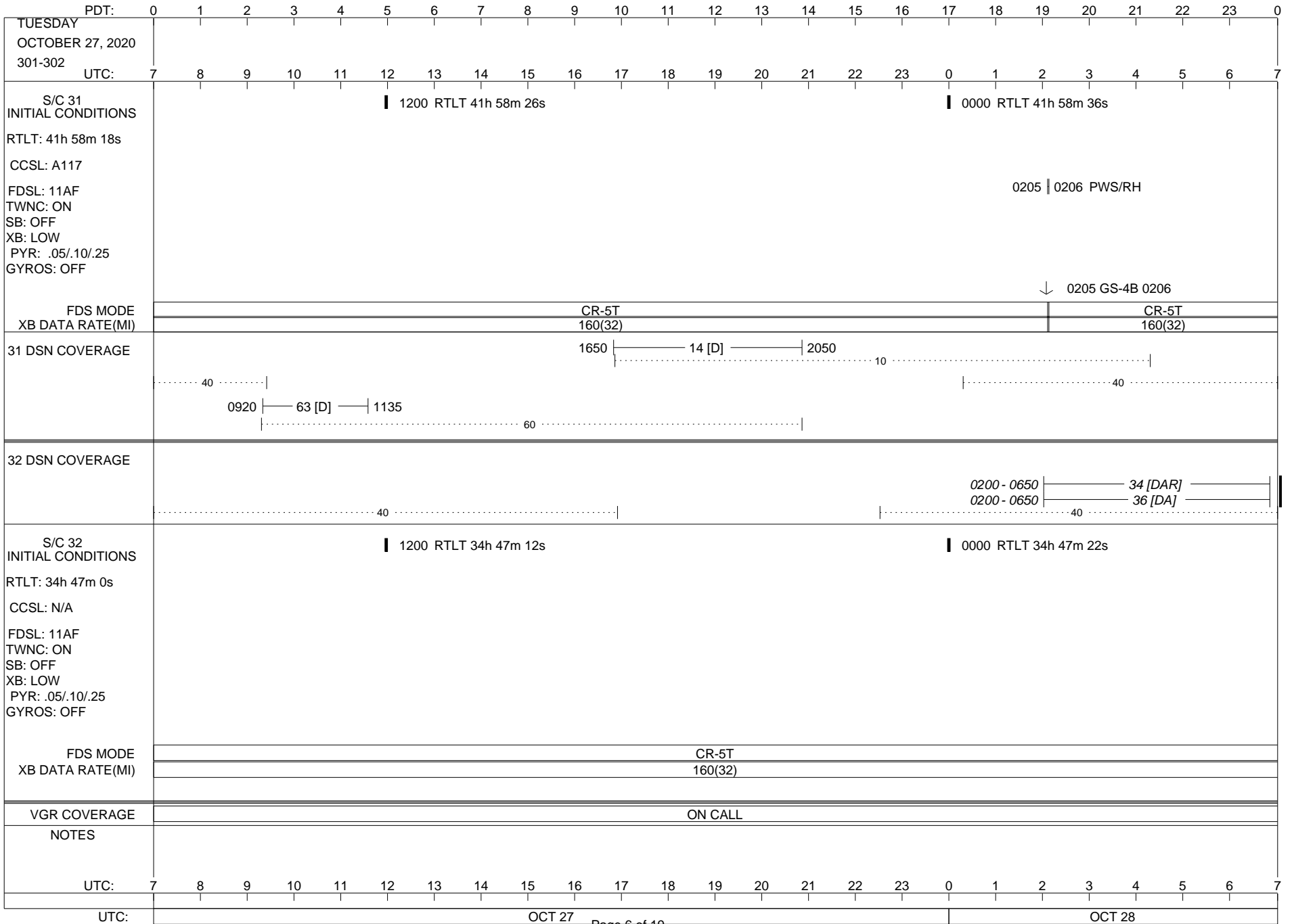


ISSUE DATE: 10/28/20 09:09

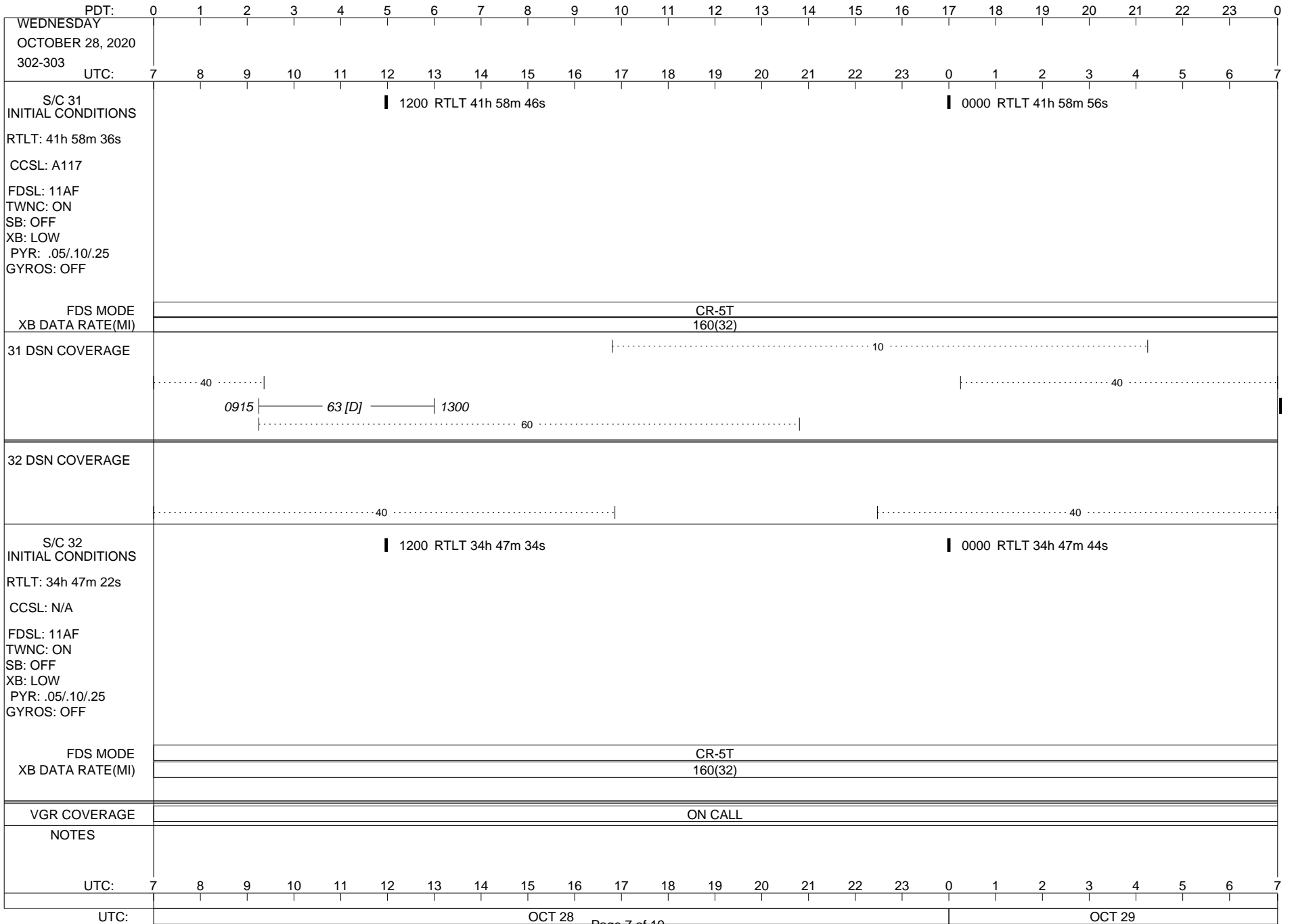


PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0		
MONDAY OCTOBER 26, 2020 300-301																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 41h 57m 58s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 41h 58m 8s															█ 0000 RTLT 41h 58m 18s						
FDS MODE												CR-5T															
XB DATA RATE(MI)												160(32)															
31 DSN COVERAGE											1655	----- 14 [D] -----		2055													
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 34h 46m 38s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 34h 46m 50s																█ 0000 RTLT 34h 47m 0s					
FDS MODE												CR-5T															
XB DATA RATE(MI)												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 26													OCT 27													

ISSUE DATE: 10/28/20 09:09



ISSUE DATE: 10/28/20 09:09



ISSUE DATE: 10/28/20 09:09

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
RTLTL: 41h 58m 56s
CCSL: A117
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/.25
GYROS: OFF

1200 RTLTL 41h 59m 4s

0000 RTLTL 41h 59m 14s

TAPPOS 0517 | - | 0543

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 34h 47m 44s
CCSL: N/A
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/.25
GYROS: OFF

1200 RTLTL 34h 47m 56s

0000 RTLTL 34h 48m 6s

▼ 0037 DUMMY (5 MIN BRACKETED 11:26)

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

ON CALL

VGR

ON CALL

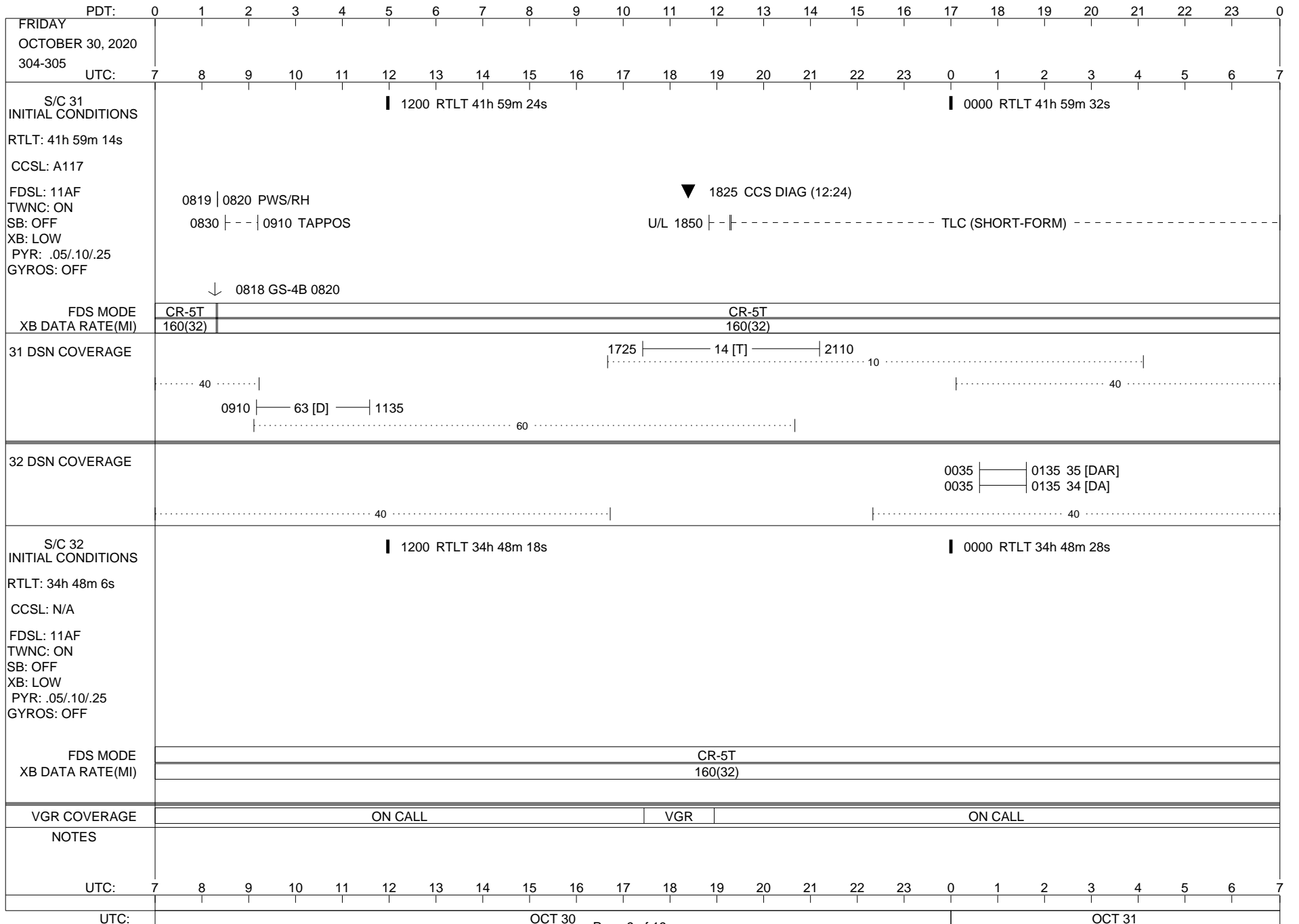
NOTES

[1] DSS-43 U/L-ONLY HP TRANSMITER TEST TRACK (NO D/L) DRV ON >= 23:45

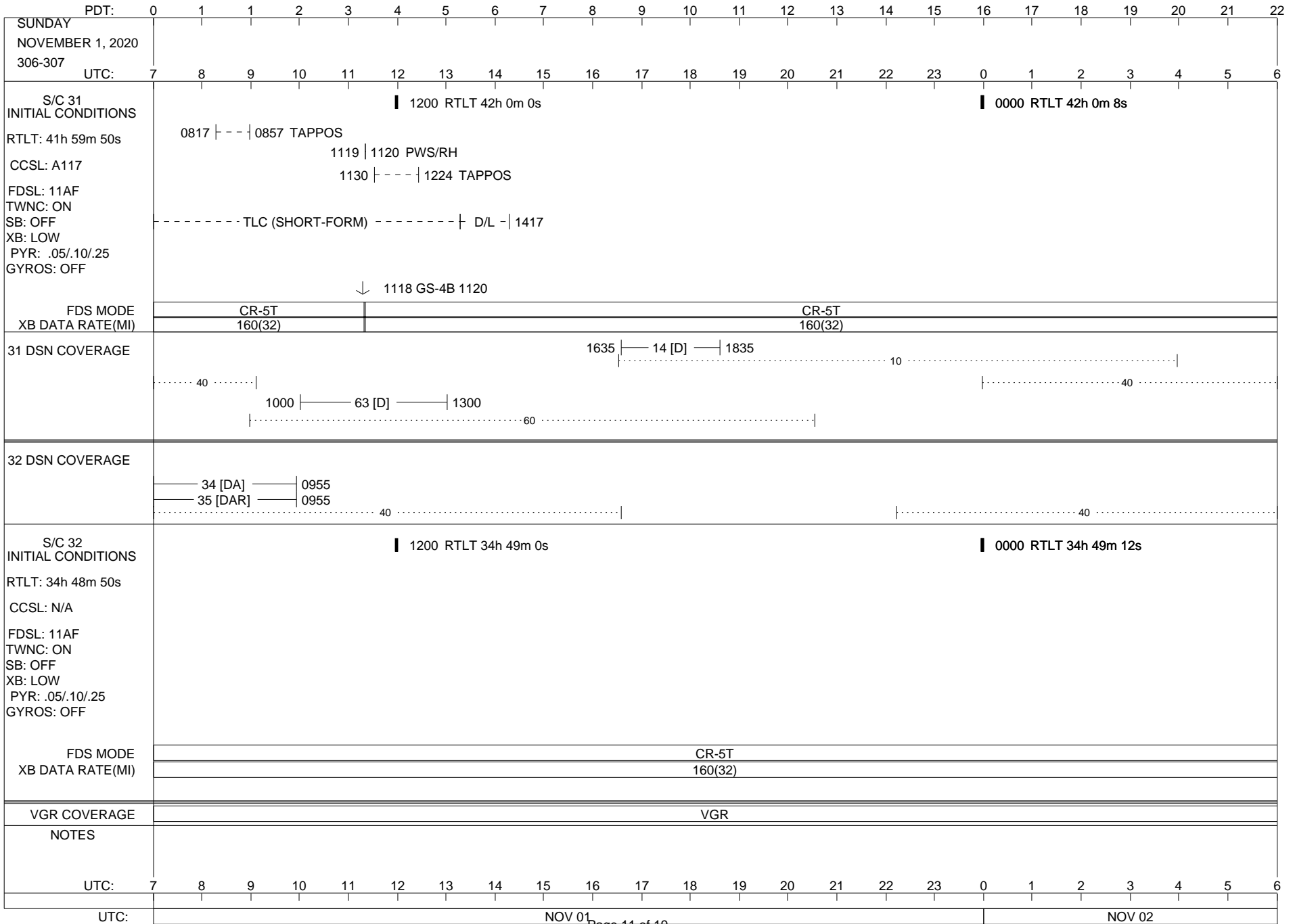
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: OCT 29 Page 8 of 19 OCT 30

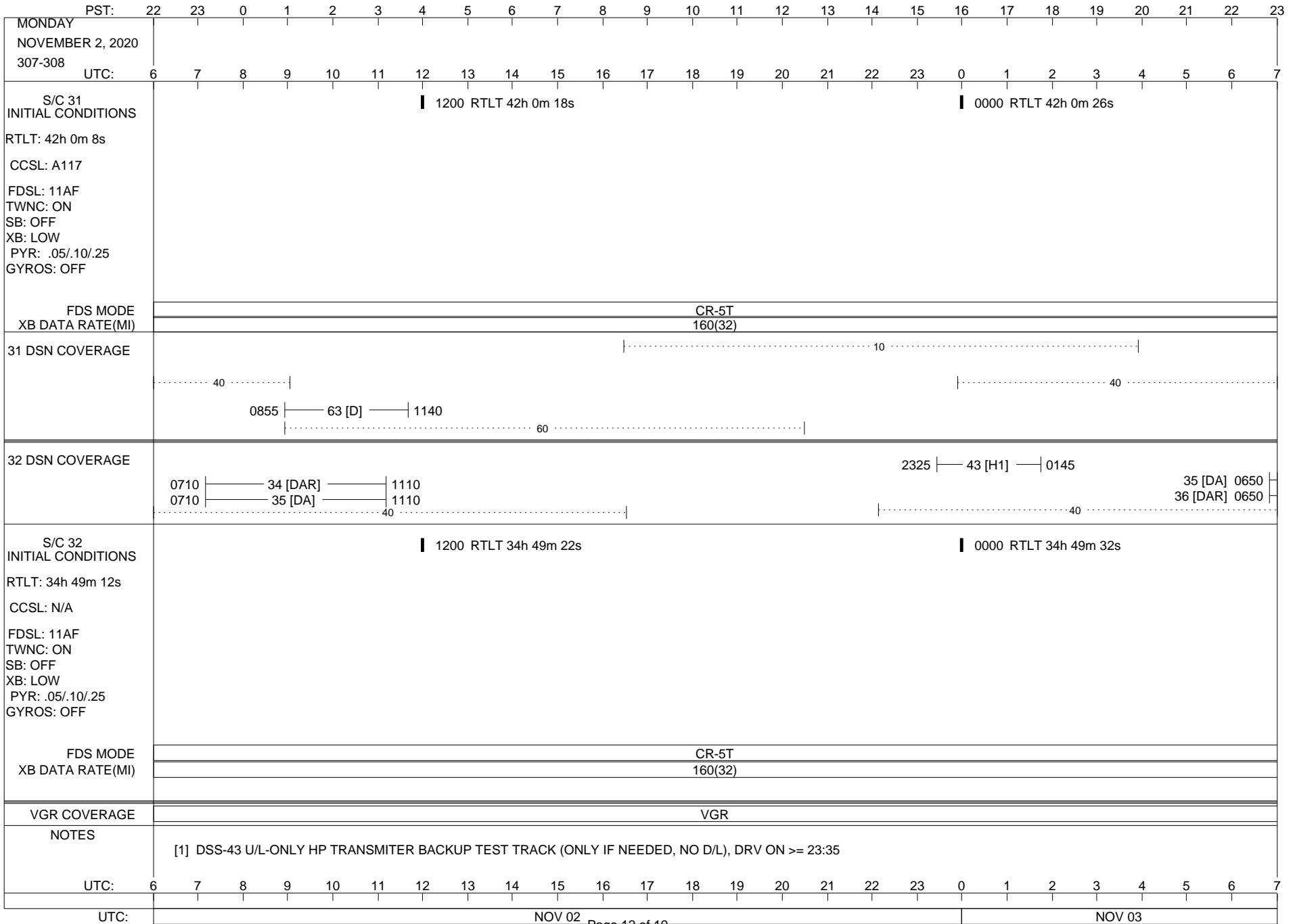
ISSUE DATE: 10/28/20 09:09



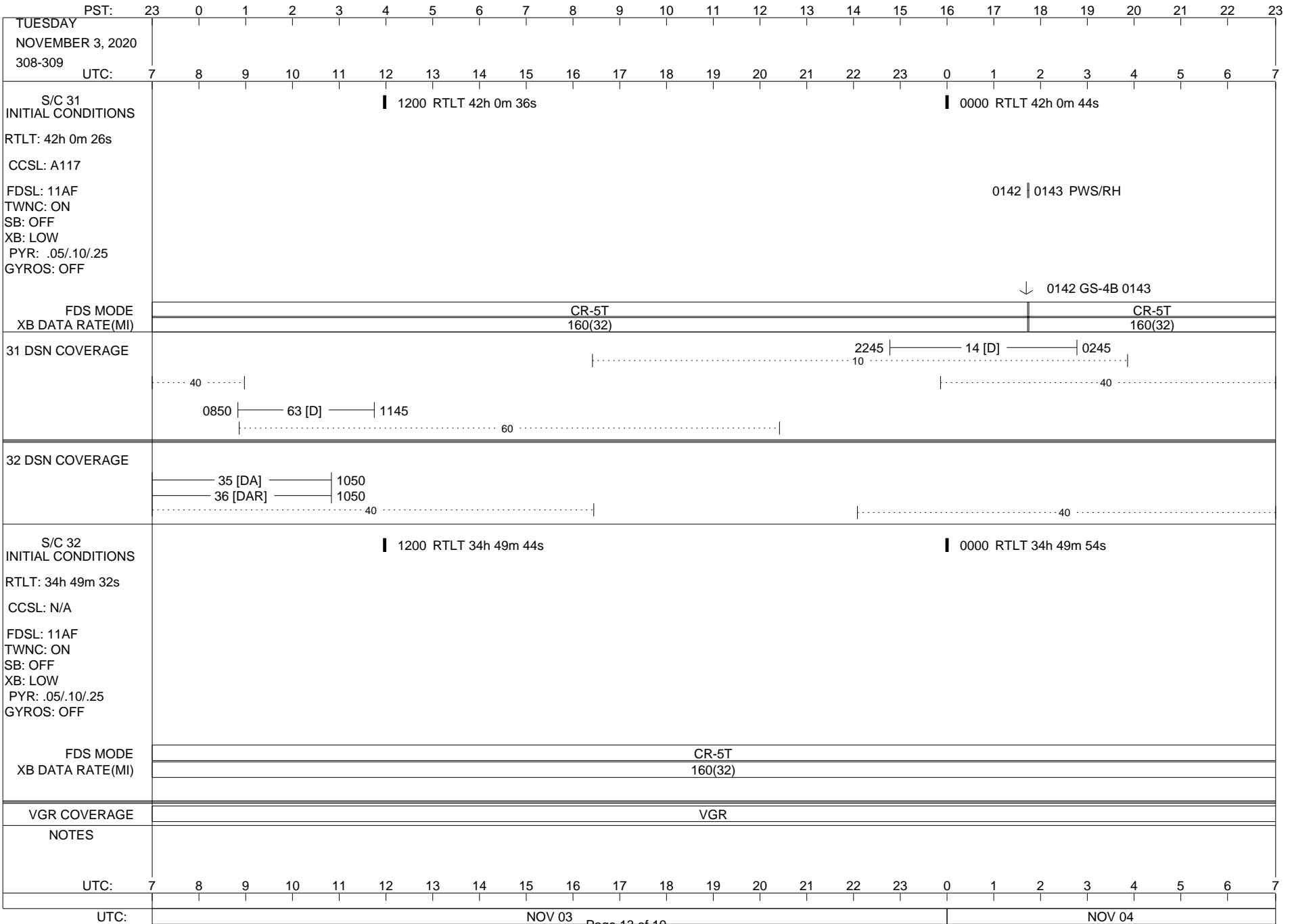
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
SATURDAY OCTOBER 31, 2020 305-306	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLTL: 41h 59m 32s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 41h 59m 42s												0000 RTLTL 41h 59m 50s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
31 DSN COVERAGE	0905 63 [D] 1150												1635 14 [D] 2035															
32 DSN COVERAGE	0950 35 [DA1] 1350 0950 36 [DAR1] 1350												0500 34 [DA] 0500 35 [DAR]															
S/C 32 INITIAL CONDITIONS RTLTL: 34h 48m 28s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 34h 48m 38s												0000 RTLTL 34h 48m 50s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	ON CALL				VGR				VGR																			
NOTES	[1] DSS-43 HP TRANSMITTER TEST CMD 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 31														NOV 01													



ISSUE DATE: 10/28/20 09:09



ISSUE DATE: 10/28/20 09:09



ISSUE DATE: 10/28/20 09:09

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

WEDNESDAY
NOVEMBER 4, 2020
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

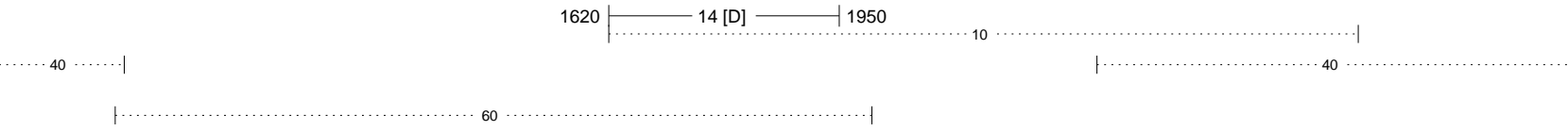
S/C 31
INITIAL CONDITIONS
RTLTL: 42h 0m 44s
CCSL: A117
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 42h 0m 52s 0000 RTLT 42h 1m 2s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 34h 49m 54s
CCSL: N/A
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 34h 50m 4s 0000 RTLT 34h 50m 16s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

VGR

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 04 Page 14 of 19 NOV 05

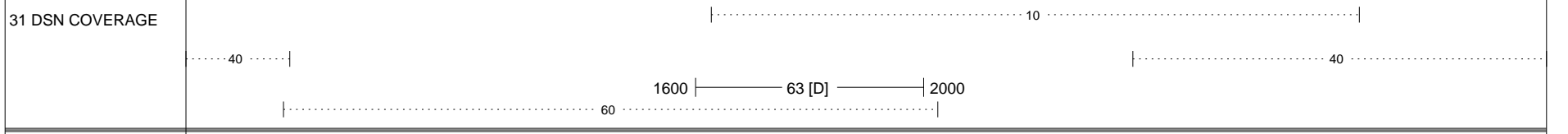
ISSUE DATE: 10/28/20 09:09

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

THURSDAY
NOVEMBER 5, 2020
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: 42h 1m 2s
CCSL: A117
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/25
GYROS: OFF
1200 RTLT 42h 1m 10s
0000 RTLT 42h 1m 18s
TAPPOS 0454 | - - | 0534

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



S/C 32
INITIAL CONDITIONS
RTLT: 34h 50m 16s
CCSL: N/A
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/10/25
GYROS: OFF
1200 RTLT 34h 50m 26s
0000 RTLT 34h 50m 36s

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

VGR COVERAGE
VGR

NOTES

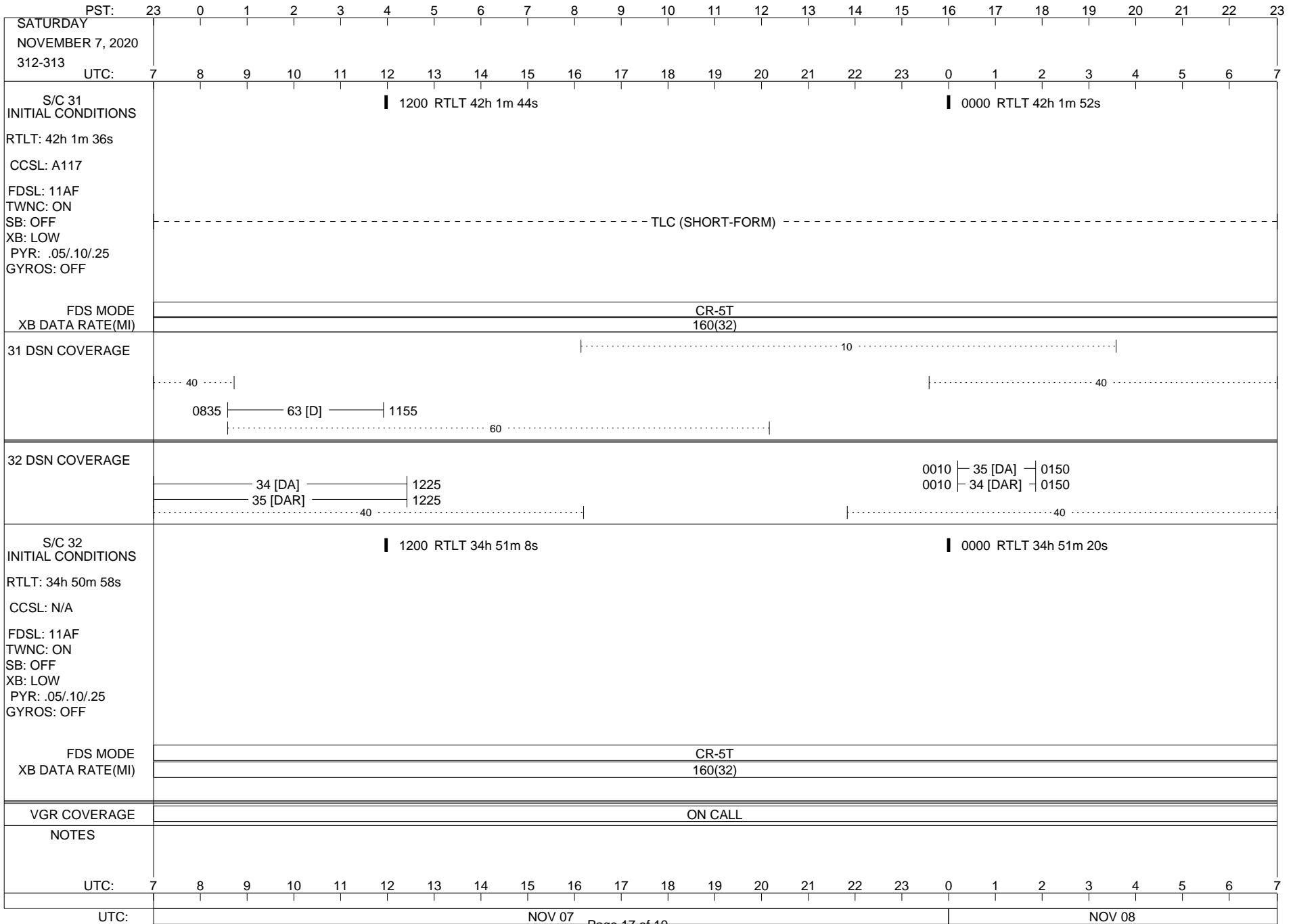
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: NOV 05 Page 15 of 19 NOV 06

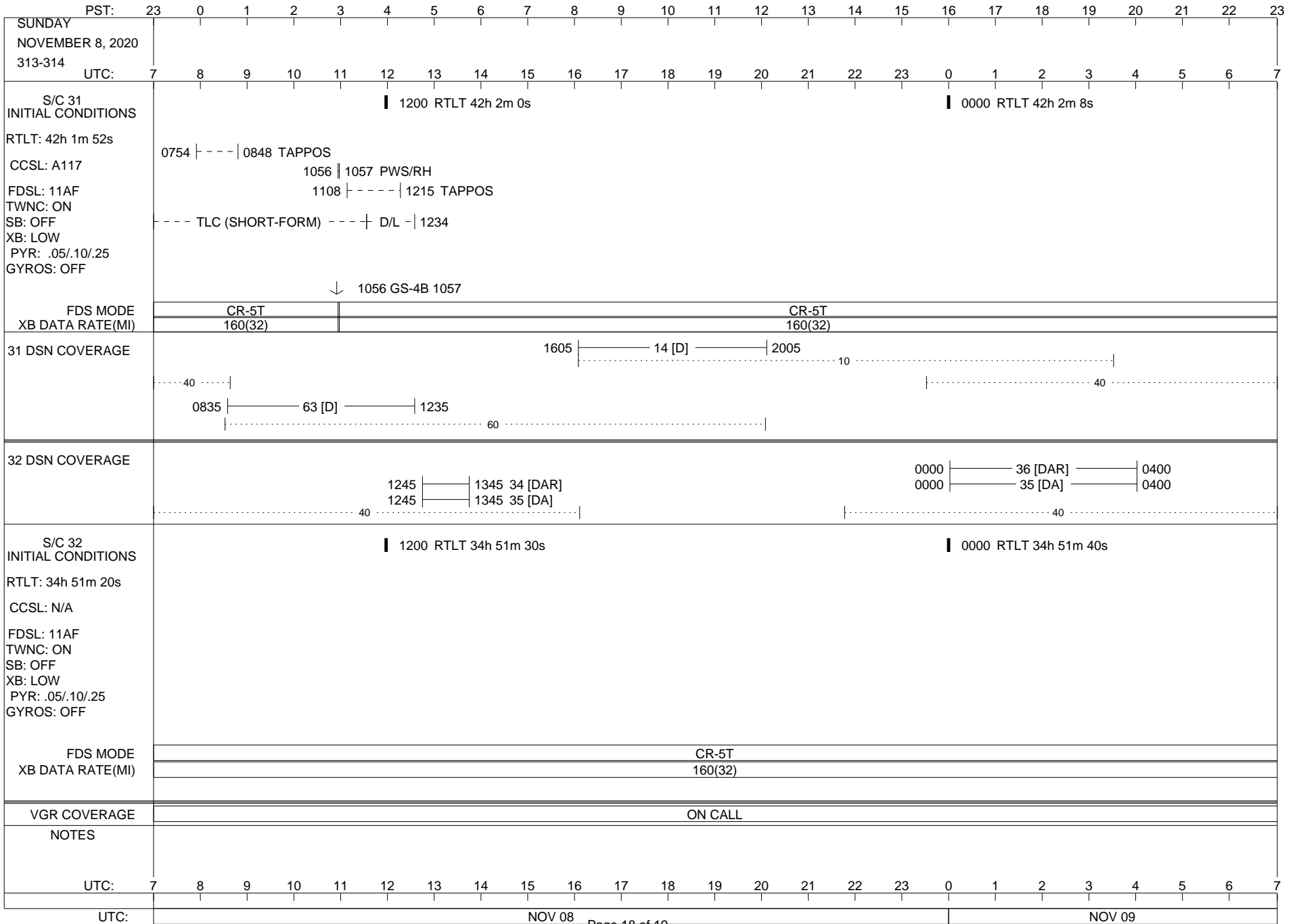
ISSUE DATE: 10/28/20 09:09

		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
FRIDAY NOVEMBER 6, 2020 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	7
S/C 31 INITIAL CONDITIONS RTLT: 42h 1m 18s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 42h 1m 28s										0000 RTLT 42h 1m 36s															
FDS MODE XB DATA RATE(MI)		CR-5T										CR-5T 160(32)															
31 DSN COVERAGE		1615 ----- 14 [T] ----- 2015										10															
		40										40															
		60																									
32 DSN COVERAGE												34 [DA] 0625 35 [DAR] 0625															
S/C 32 INITIAL CONDITIONS RTLT: 34h 50m 36s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 34h 50m 48s										0000 RTLT 34h 50m 58s															
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 06															NOV 07										

ISSUE DATE: 10/28/20 09:09



ISSUE DATE: 10/28/20 09:09



ISSUE DATE: 10/28/20 09:09

		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 9, 2020 314-315		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 2m 8s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 42h 2m 18s																											
FDS MODE XB DATA RATE(MI)																	CR-5T 160(32)												
31 DSN COVERAGE		<p>..... 40 </p> <p>0830 ----- 63 [D] ----- 1230</p> <p> ----- 60 ----- </p>																											
32 DSN COVERAGE	 40 -----																											
S/C 32 INITIAL CONDITIONS RTLT: 34h 51m 40s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 34h 51m 50s																											
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 09															NOV 10											