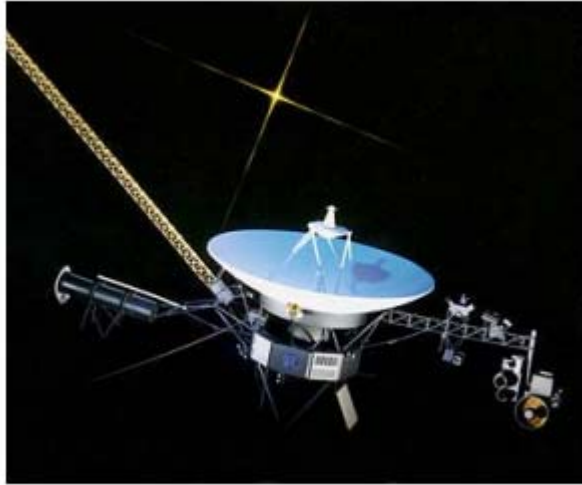


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 28, 2020

For the Period: 10/29/20 to 11/16/20 (20/303– 20/321)



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

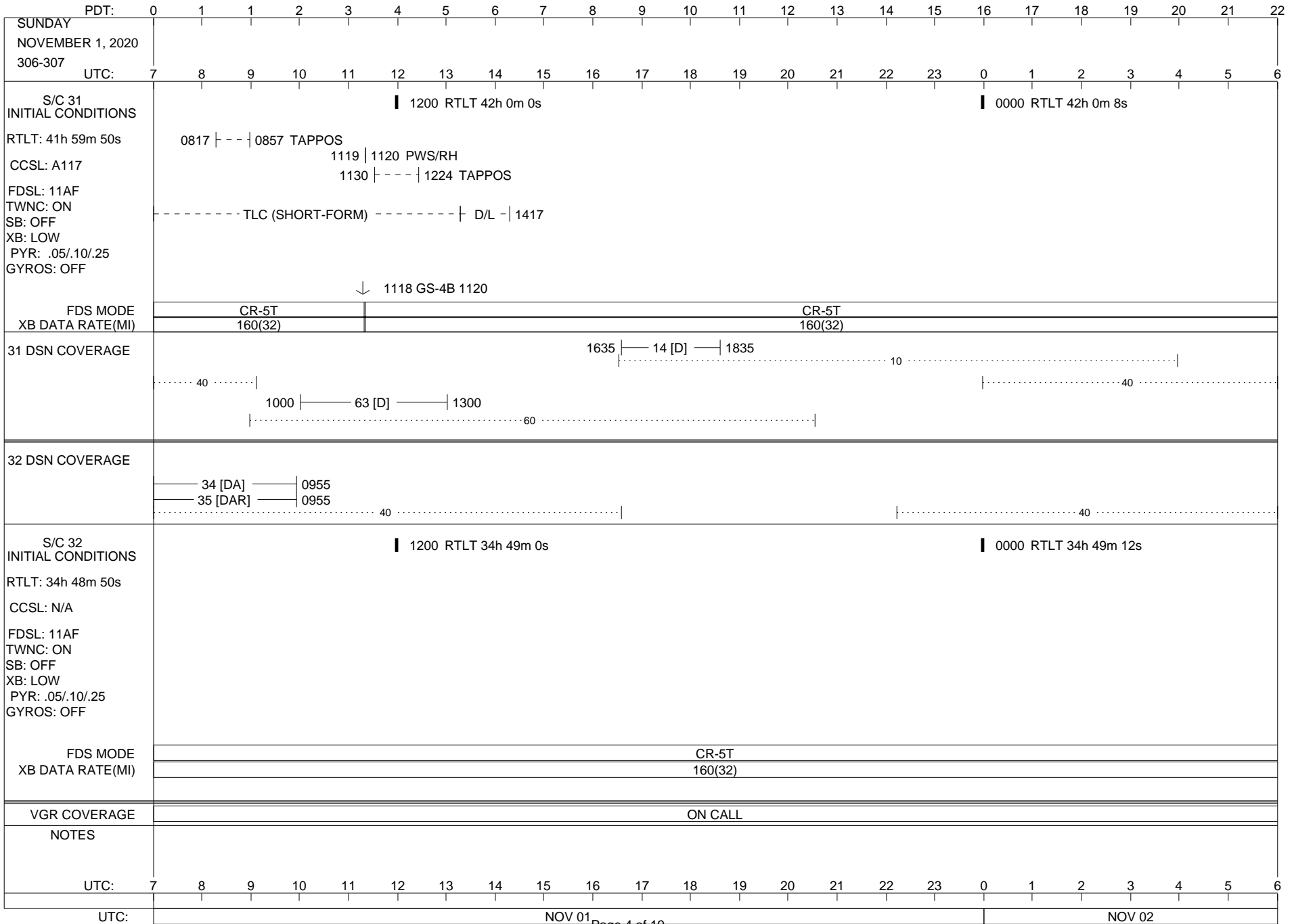
02/27/19

ISSUE DATE: 11/04/20 10:13

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 XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
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 XB DATA RATE(MI)																									
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:																									

ISSUE DATE: 11/04/20 10:13

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																													
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 59m 42s												0000 RTLT 41h 59m 50s															
RTLT: 41h 59m 32s																													
CCSL: A117																													
FDSL: 11AF																													
TWNC: ON																													
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 48m 38s												0000 RTLT 34h 48m 50s															
RTLT: 34h 48m 28s																													
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		ON CALL						VGR						ON CALL															
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: 11/04/20 10:13

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	1200 RTLT 42h 0m 18s													0000 RTLT 42h 0m 26s													
RTLTL: 42h 0m 8s																											
CCSL: A117																											
FDSL: 11AF																											
TWNC: ON																											
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 49m 22s													0000 RTLT 34h 49m 32s													
RTLTL: 34h 49m 12s																											
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	ON CALL																										
NOTES	[1] DSS-43 U/L-ONLY HP TRANSMITER BACKUP TEST TRACK (ONLY IF NEEDED, NO D/L), DRV ON >= 23:35																										
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													

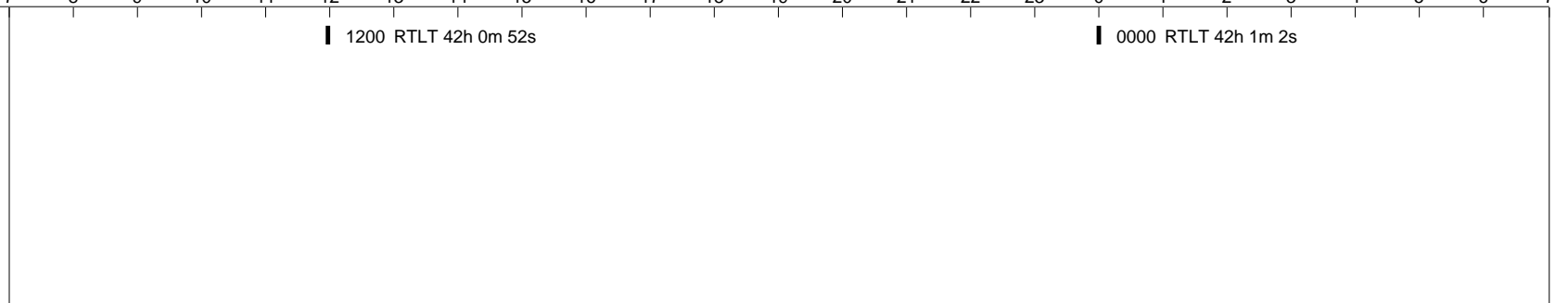
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TUESDAY																											
NOVEMBER 3, 2020																											
308-309		UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS								1200													0000						
RTLT: 42h 0m 26s																											
CCSL: A117																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.10/.25																											
GYROS: OFF																											
FDS MODE																											
XB DATA RATE(MI)																											
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS								1200													0000						
RTLT: 34h 49m 32s																											
CCSL: N/A																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.10/.25																											
GYROS: OFF																											
FDS MODE																											
XB DATA RATE(MI)																											
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:																											

ISSUE DATE: 11/04/20 10:13

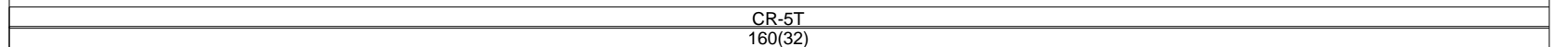
PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7

WEDNESDAY
 NOVEMBER 4, 2020
 309-310

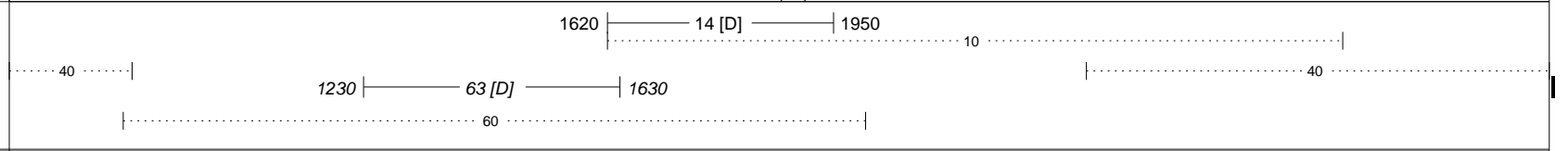
S/C 31
 INITIAL CONDITIONS
 RTLT: 42h 0m 44s
 CCSL: A117
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/.10/.25
 GYROS: OFF



FDS MODE
 XB DATA RATE(MI)



31 DSN COVERAGE



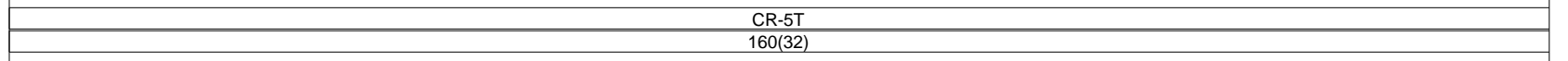
32 DSN COVERAGE



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



FDS MODE
 XB DATA RATE(MI)



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 04																	NOV 05							

ISSUE DATE: 11/04/20 10:13

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)

31 DSN COVERAGE
.....40|
1600 |----- 63 [D] -----| 2000
.....60|

32 DSN COVERAGE
0930 |----- 35 [DAR] -----| 1330
0930 |----- 36 [DA] -----| 1330
.....40|
0025 |----- 36 [DAR] -----| 0425
0025 |----- 34 [oA] -----| 0425
.....40|

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 ON CALL

NOTES

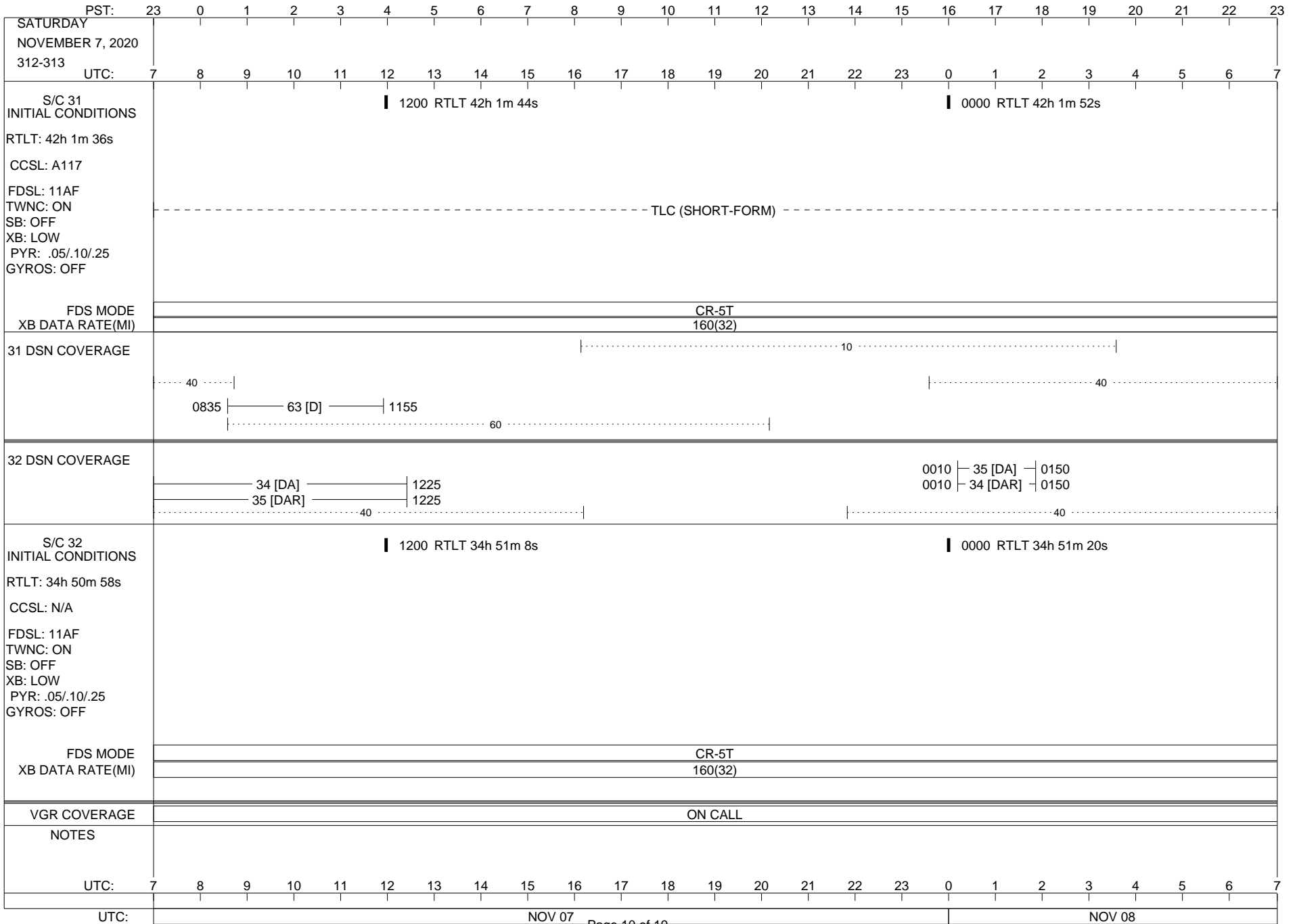
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: NOV 05 Page 8 of 19 NOV 06

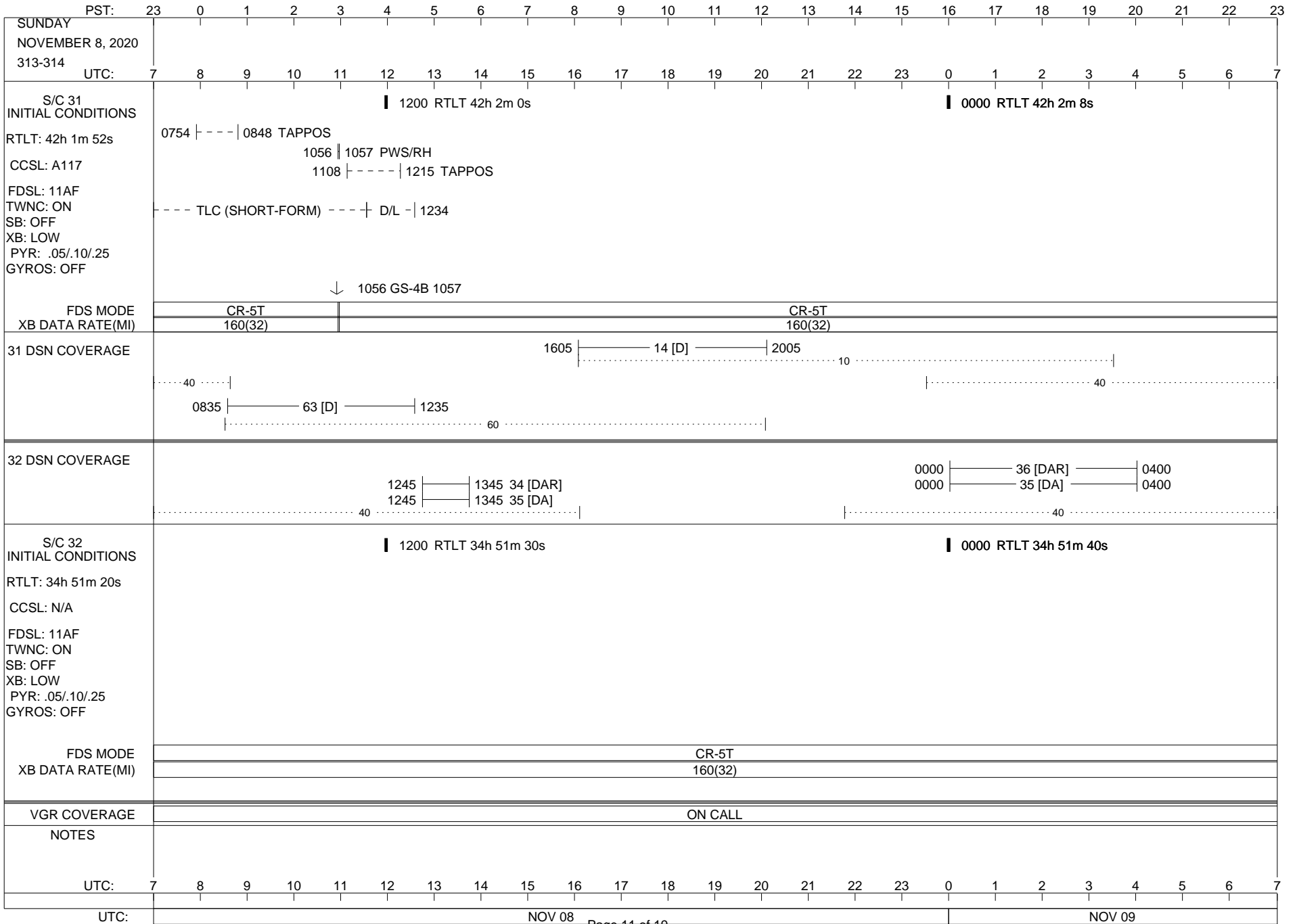
ISSUE DATE: 11/04/20 10:13

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 RTLTL: 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		<p>1615 ----- 14 [T] ----- 2015</p> <p>..... 40</p> <p>..... 60</p> <p>..... 10</p> <p>..... 40</p>																									
32 DSN COVERAGE		<p>..... 40</p> <p>..... 40</p> <p>34 [DA] 0625</p> <p>35 [DAR] 0625</p>																									
S/C 32 INITIAL CONDITIONS RTLTL: 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												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 06												NOV 07													

ISSUE DATE: 11/04/20 10:13



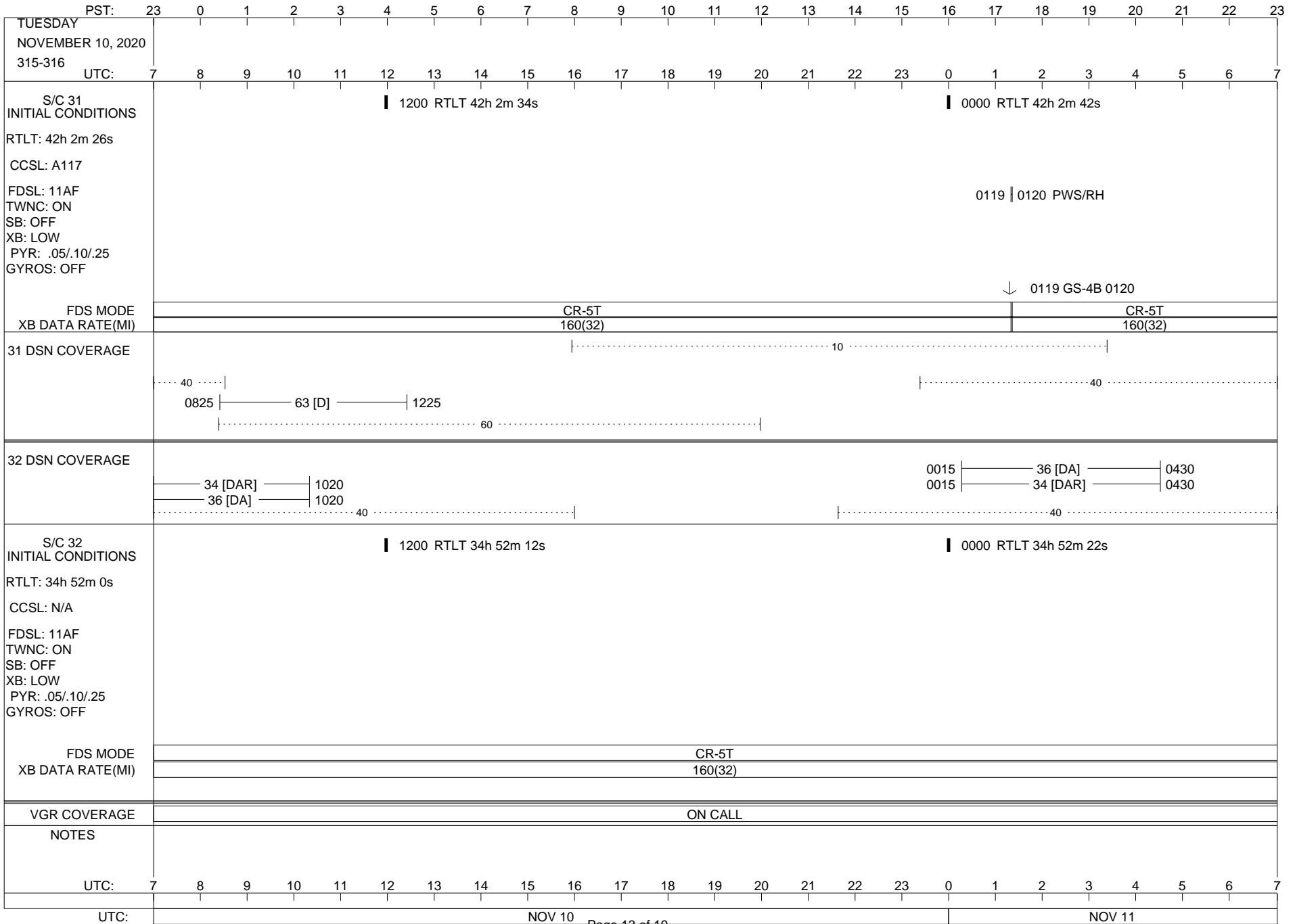
ISSUE DATE: 11/04/20 10:13



ISSUE DATE: 11/04/20 10:13

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 RTLTL: 42h 2m 8s CCSL: A117 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 42h 2m 18s											0000 RTLTL 42h 2m 26s														
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)														
31 DSN COVERAGE														
														
	0830 ----- 63 [D] ----- 1230																								
														
32 DSN COVERAGE														
														
S/C 32 INITIAL CONDITIONS RTLTL: 34h 51m 40s CCSL: N/A FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 34h 51m 50s											0000 RTLTL 34h 52m 0s														
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														

ISSUE DATE: 11/04/20 10:13



ISSUE DATE: 11/04/20 10:13

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 11, 2020
316-317
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 42s
CCSL: A117
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF
1200 RTLT 42h 2m 50s
0000 RTLT 42h 2m 58s
1727 |---- MAGCAL ----| 2037
1727 |----- PESCAL -----| 2054

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

31 DSN COVERAGE
..... 40
0820 |----- 63 [D] -----| 1220
..... 60

32 DSN COVERAGE
..... 40
36 [DAR] 0530-0630
34 [DA] 0530-0630

S/C 32
INITIAL CONDITIONS
RTLT: 34h 52m 22s
CCSL: N/A
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF
1200 RTLT 34h 52m 32s
0000 RTLT 34h 52m 42s

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

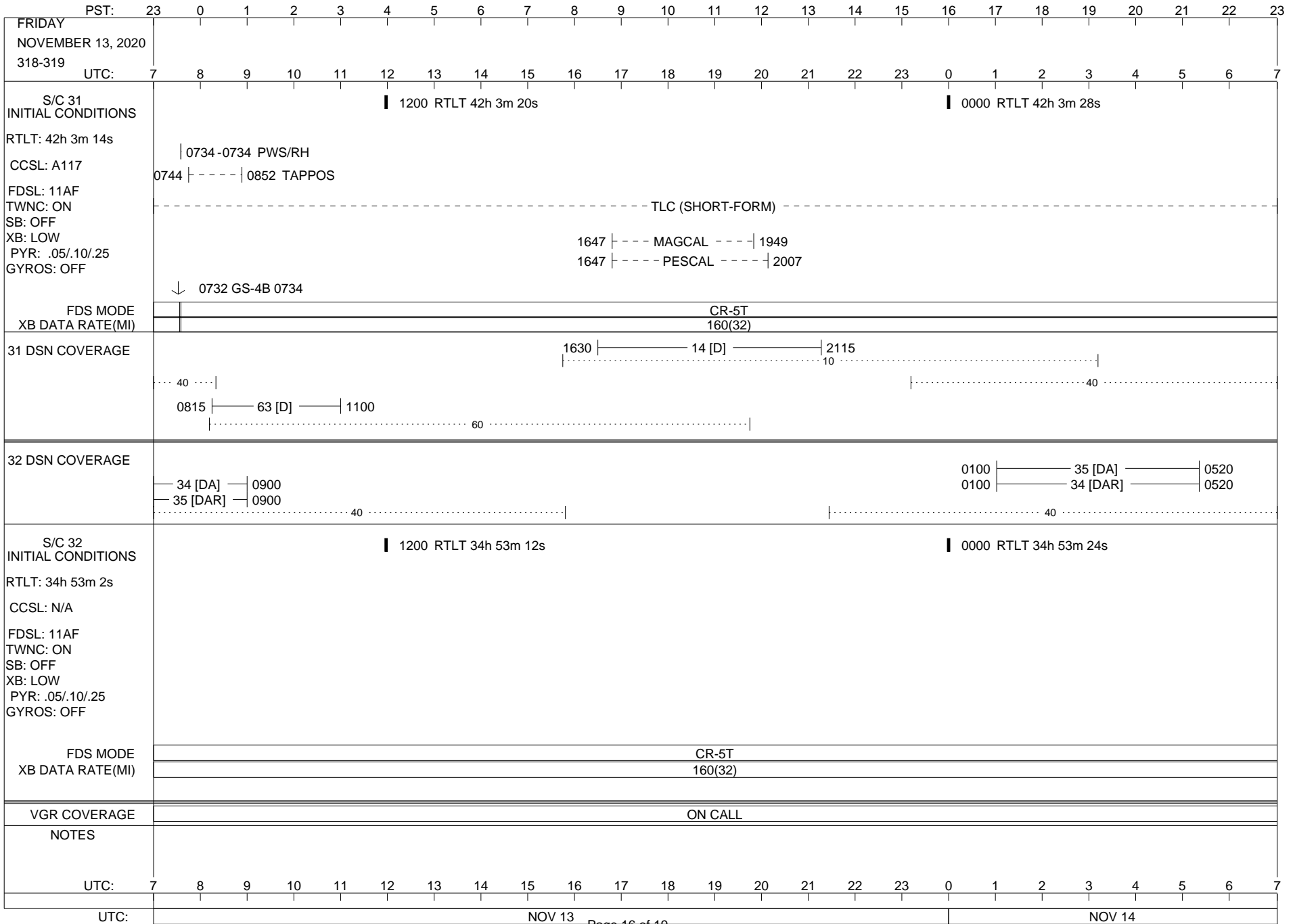
VGR COVERAGE ON CALL

NOTES

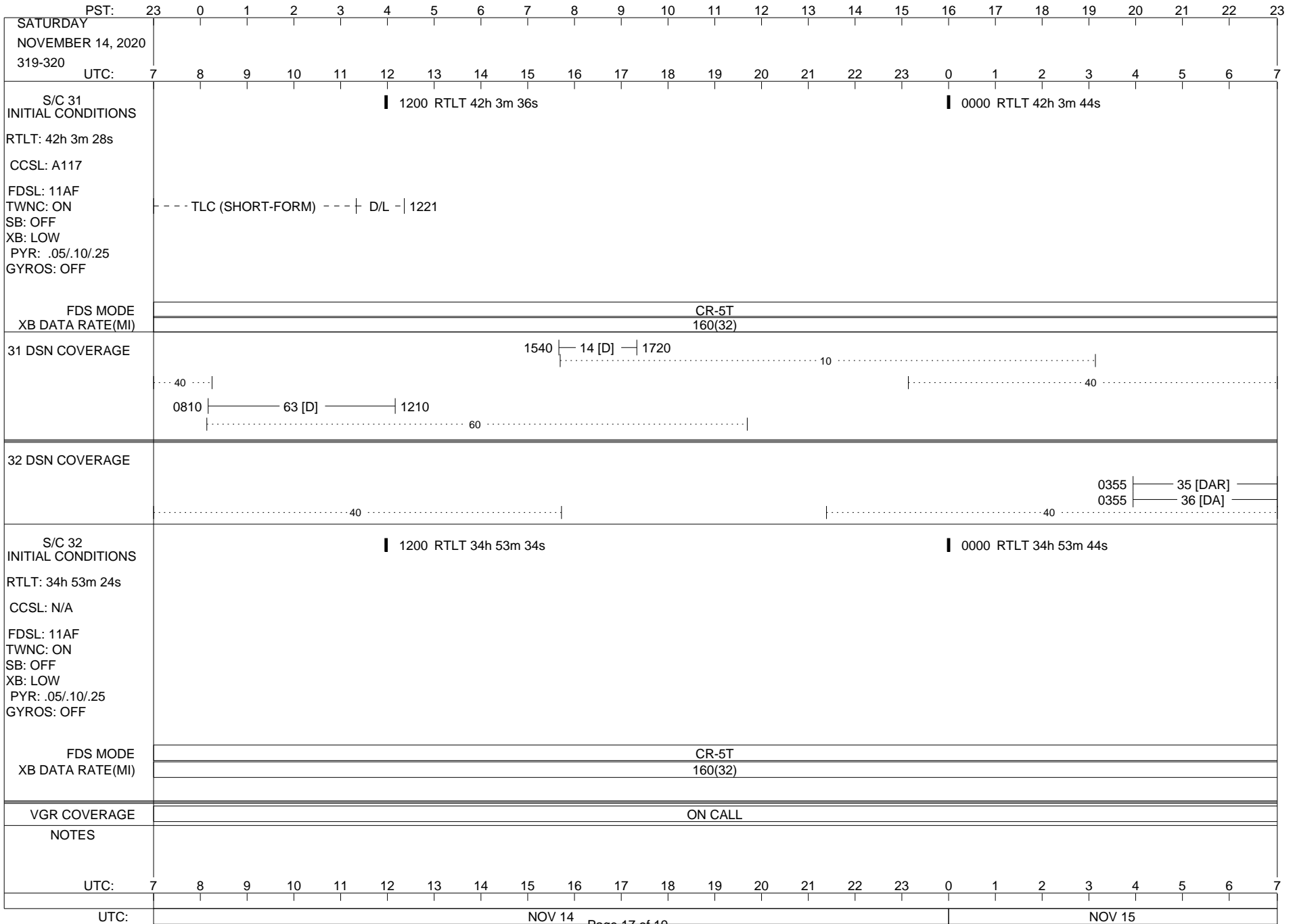
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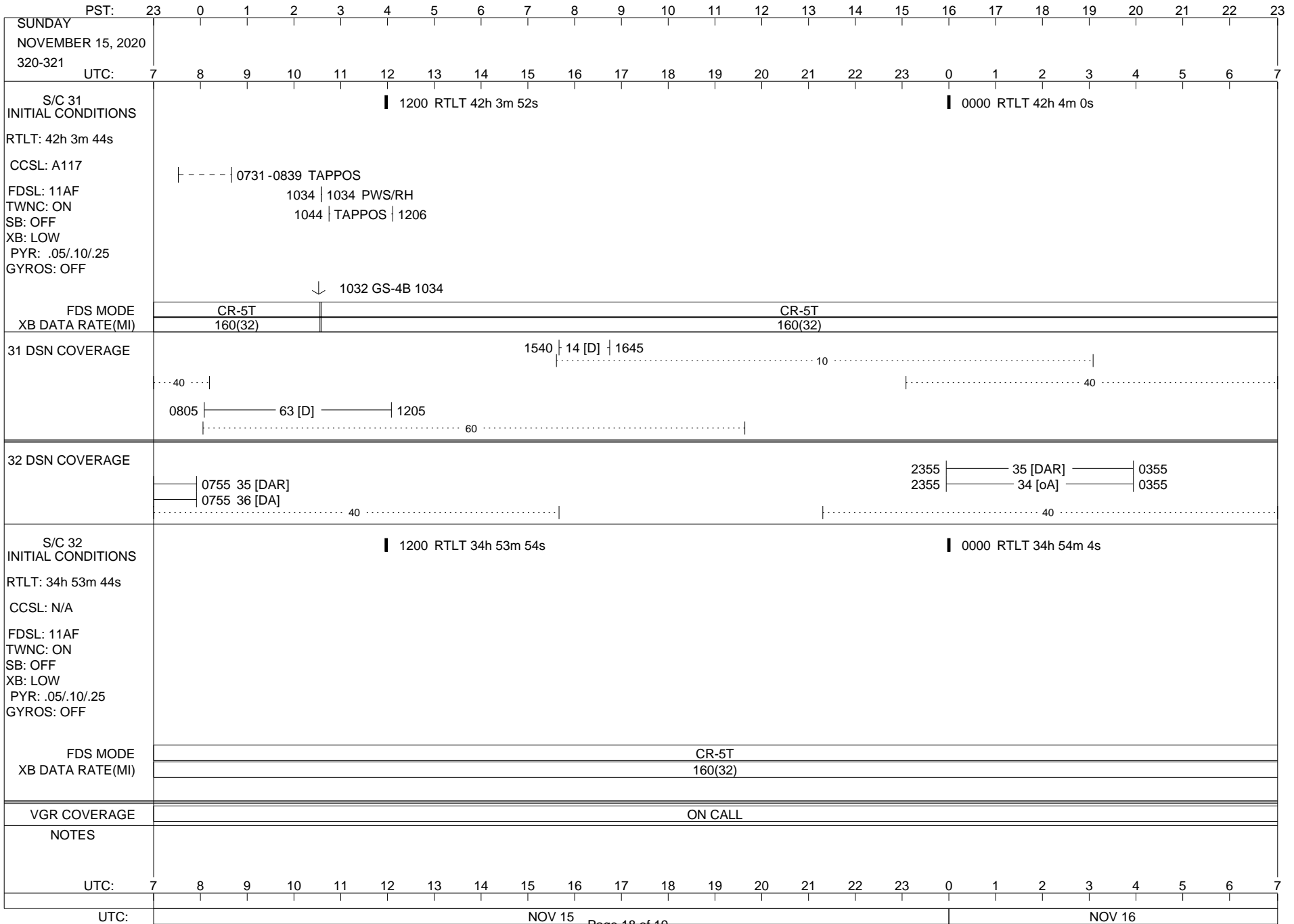
UTC: NOV 11 NOV 12

ISSUE DATE: 11/04/20 10:13



ISSUE DATE: 11/04/20 10:13





ISSUE DATE: 11/04/20 10:13

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 16, 2020
321-322
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 4m 0s
CCSL: A117
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 42h 4m 6s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE

1535 | 14 [D] | 1705



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 34h 54m 4s
CCSL: N/A
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLTL 34h 54m 14s

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 16 Page 19 of 19 NOV 17