

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 6, 2024

For the Period: 11/07/24 to 11/25/24 (24/312 – 24/330)



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

ISSUE DATE: 11/14/24 17:56

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 7, 2024 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 RTLTL: 45h 58m 30s CCSL: NONE FDSL: 11AF TWNC: ON SB: LOW XB: OFF PYR: .07/.40/.95 GYROS: OFF	1200 RTLTL 45h 58m 40s											0000 RTLTL 45h 58m 48s U/L 0150 - - - - TLC (SHORT-FORM) - - - - BAY 6 HTR A OFF 0309 ↓ BAY 1 HTR OFF 0313 ↓ S-TWT OFF 0317 ↓ X-TWT ON 0325 ↓ TWNC ON 0329 ↓ BAY 1 HTR ON 0333 ↓ * BAY 1 HTR ON 0353 ↓ EL-40 (X-BAND) 0321 ↓													
FDS MODE XB DATA RATE(MI)	EL-40 40(30)																								
31 DSN COVERAGE	43 [D] 0830 40 1215 63 [D] 1315 60											2350 43 [T] 40													
32 DSN COVERAGE	0945 43 [H1Bo] 1455 40											40													
S/C 32 INITIAL CONDITIONS RTLTL: 38h 21m 46s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLTL 38h 21m 56s											0000 RTLTL 38h 22m 8s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)											▼ 1042 DUMMY (5 MIN BRACKETED 01:04)													
VGR COVERAGE	ON CALL		VGR		ON CALL											VGR		ON CALL							
NOTES	[1] DSS-43 HPTXR DRV OFF <= 14:55																								
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 07											NOV 08													

ISSUE DATE: 11/14/24 17:56

		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 8, 2024 313-314		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: 45h 58m 48s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF		1200 RTLT 45h 58m 56s											0000 RTLT 45h 59m 4s														
FDS MODE XB DATA RATE(MI)		EL-40 40(30)																									
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 38h 22m 8s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF		1200 RTLT 38h 22m 18s											0000 RTLT 38h 22m 28s														
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 08											NOV 09														

ISSUE DATE: 11/14/24 17:56

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	
SATURDAY NOVEMBER 9, 2024 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: 45h 59m 4s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	1200 RTLT 45h 59m 12s											0000 RTLT 45h 59m 20s														
FDS MODE XB DATA RATE(MI)	EL-40 40(30)											D/L - 0117														
31 DSN COVERAGE	0900 ----- 63 [D] ----- 1355											1640 ----- 14 [D] ----- 0325														
32 DSN COVERAGE	40 ----- 2215 ----- 43 [D] ----- 0505											40														
S/C 32 INITIAL CONDITIONS RTLT: 38h 22m 28s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLT 38h 22m 38s											0000 RTLT 38h 22m 48s														
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												

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	
SUNDAY NOVEMBER 10, 2024 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 RTLTL: 45h 59m 20s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	1200 RTLT 45h 59m 30s											0000 RTLT 45h 59m 38s * ↓ 0044 PITCH SSB * ↓ 0059 YAW SSB * 0129 ----- FULMRO ----- 0129 - AACs - - 0313 0313 - - - FDS - - - 0525 0525-0641 CCSA CCSB 0641														
FDS MODE XB DATA RATE(MI)	EL-40 40(30)																									
31 DSN COVERAGE	0900 ----- 63 [D] ----- 1955 ----- 60 -----											2255 ----- 14 [D] ----- 0130 ----- 10 ----- 0110 ----- 43 [D] ----- ----- 40 -----														
32 DSN COVERAGE	40 -----											2310 43 [D] 0020 ----- 40 -----														
S/C 32 INITIAL CONDITIONS RTLTL: 38h 22m 48s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLT 38h 23m 0s											0000 RTLT 38h 23m 10s														
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE	ON CALL																	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 10																	NOV 11								

ISSUE DATE: 11/14/24 17:56

		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, 2024 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 RTLTL: 45h 59m 38s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF		1200 RTLTL 45h 59m 46s											0000 RTLTL 45h 59m 54s														
FDS MODE XB DATA RATE(MI)		EL-40 40(30)											CR-5T 160(32)														
31 DSN COVERAGE		<p>.....10.....</p> <p>43 [D] 082540.....</p> <p>.....1205 63 [D] 1830.....</p> <p>.....60.....</p>																									
32 DSN COVERAGE		<p>.....40.....</p> <p>.....0530 43 [D] </p>																									
S/C 32 INITIAL CONDITIONS RTLTL: 38h 23m 10s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF		<p>BEGIN SEQUENCE B206 0445 ↓</p>																									
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 11											NOV 12														

ISSUE DATE: 11/14/24 17:56

TUESDAY		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
NOVEMBER 12, 2024																													
317-318																													
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 46h 0m 2s												0000 RTLT 46h 0m 8s															
RTLT: 45h 59m 54s																													
CCSL: NONE																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .07/.40/.95																													
GYROS: OFF																													
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
31 DSN COVERAGE		<p>31 DSN COVERAGE</p> <p>.....40..... 10..... 2315 ----- 14 [D] ----- 0315</p> <p>.....40..... 60..... 1215 ----- 63 [D] ----- 1715</p>																											
32 DSN COVERAGE		<p>32 DSN COVERAGE</p> <p>----- 43 [D] ----- 1115 40..... 2340 ----- 43 [D] ----- </p>																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 38h 23m 40s												0000 RTLT 38h 23m 50s															
RTLT: 38h 23m 10s																													
CCSL: B206																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .10/.30/.95																													
GYROS: OFF																													
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:		NOV 12												NOV 13															

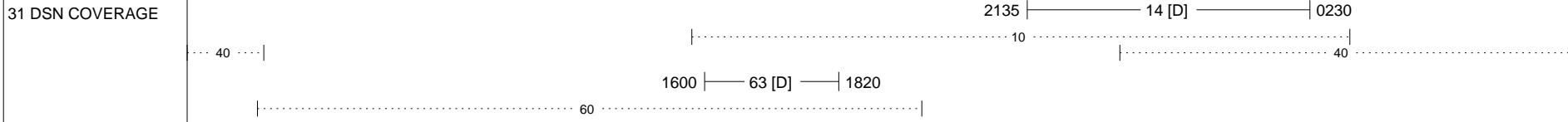
ISSUE DATE: 11/14/24 17:56

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 13, 2024
 318-319 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: 46h 0m 8s
 CCSL: NONE
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .07/.40/.95
 GYROS: OFF

1200 RTLT 46h 0m 16s 0000 RTLT 46h 0m 24s

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



S/C 32
 INITIAL CONDITIONS
 RTLT: 38h 23m 50s
 CCSL: B206
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .10/.30/.95
 GYROS: OFF

1200 RTLT 38h 24m 0s 0000 RTLT 38h 24m 10s

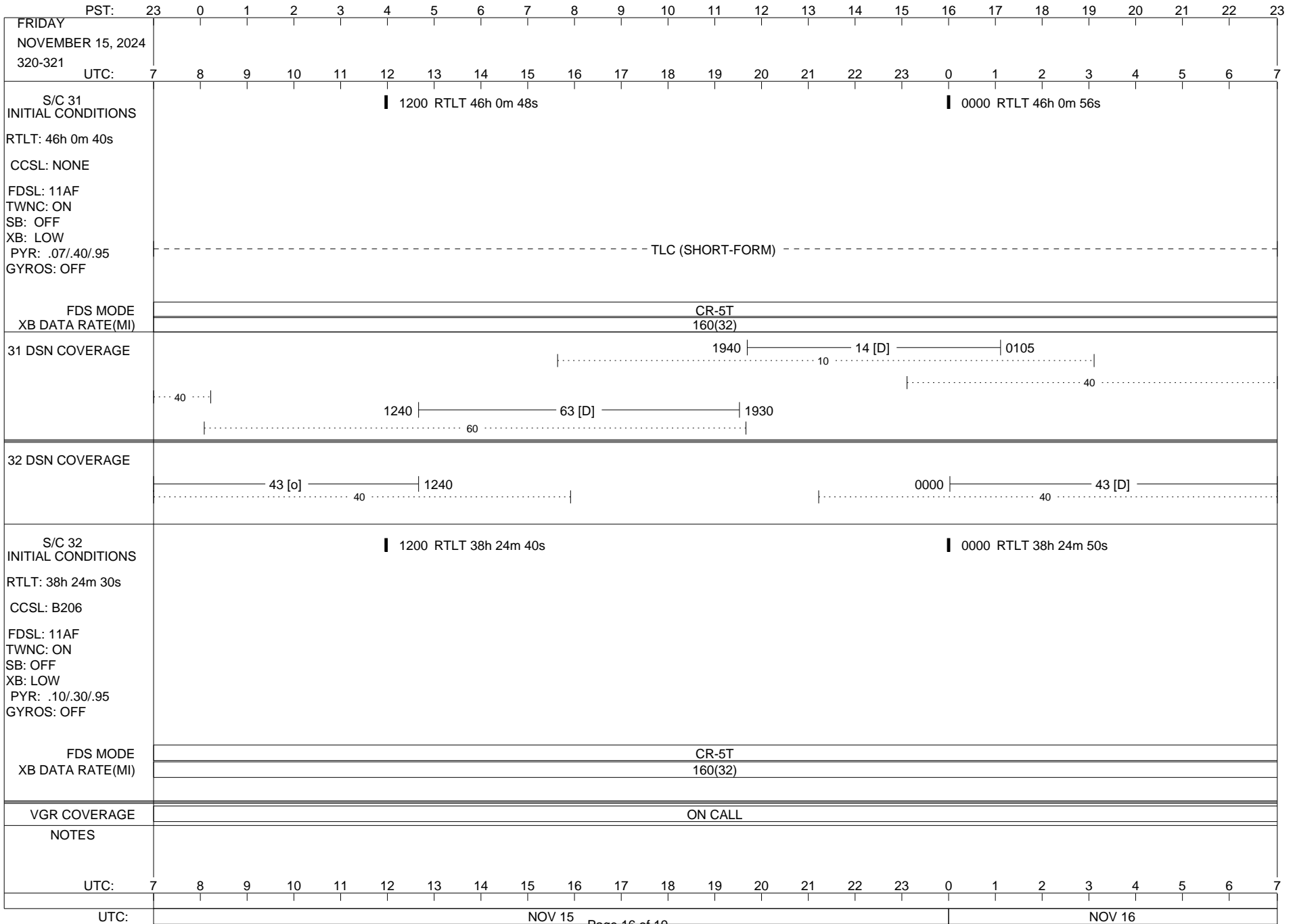
FDS MODE CR-5T
 XB DATA RATE(MI) 160(32)

VGR COVERAGE ON CALL

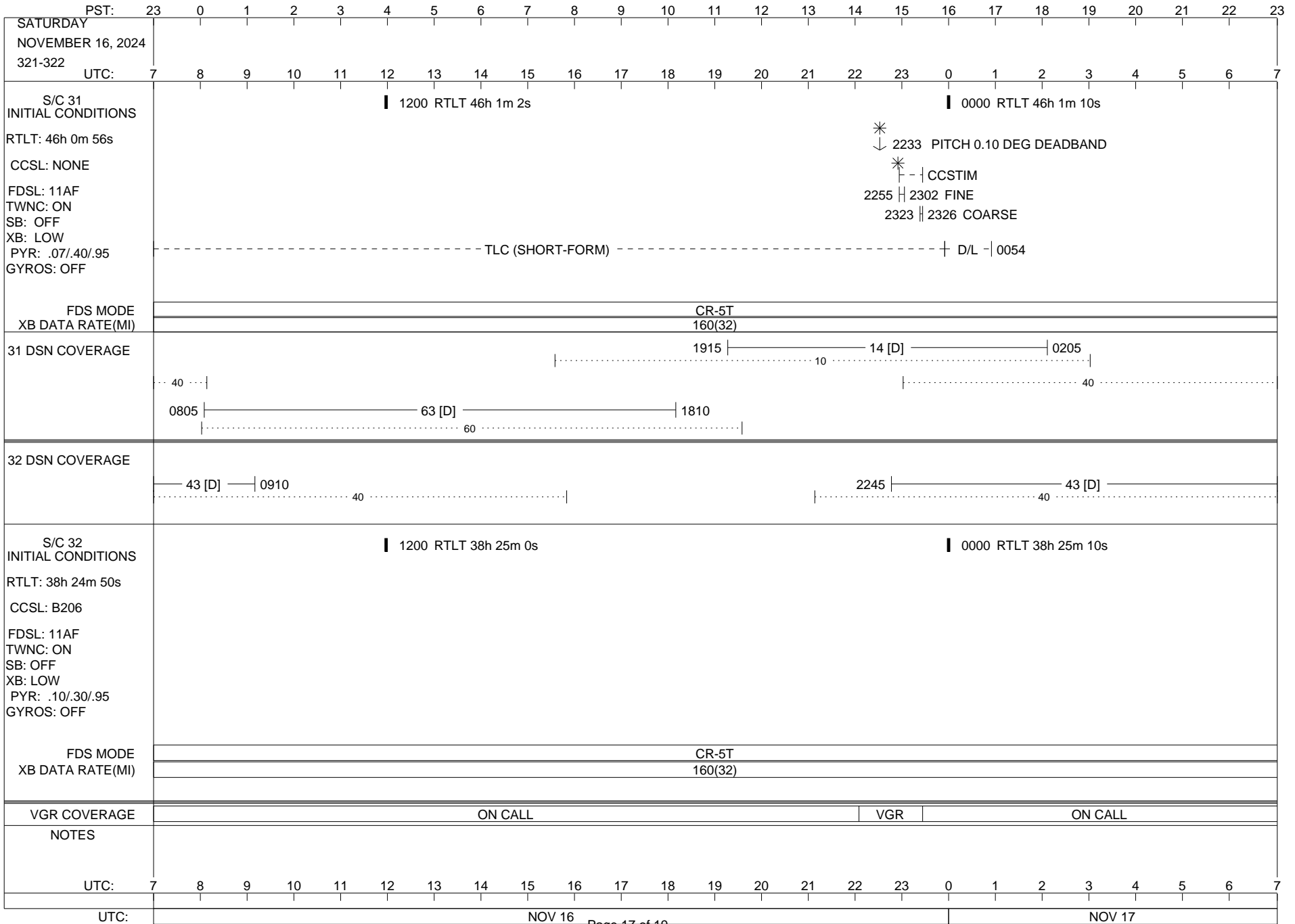
NOTES

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: NOV 13 Page 14 of 19 NOV 14

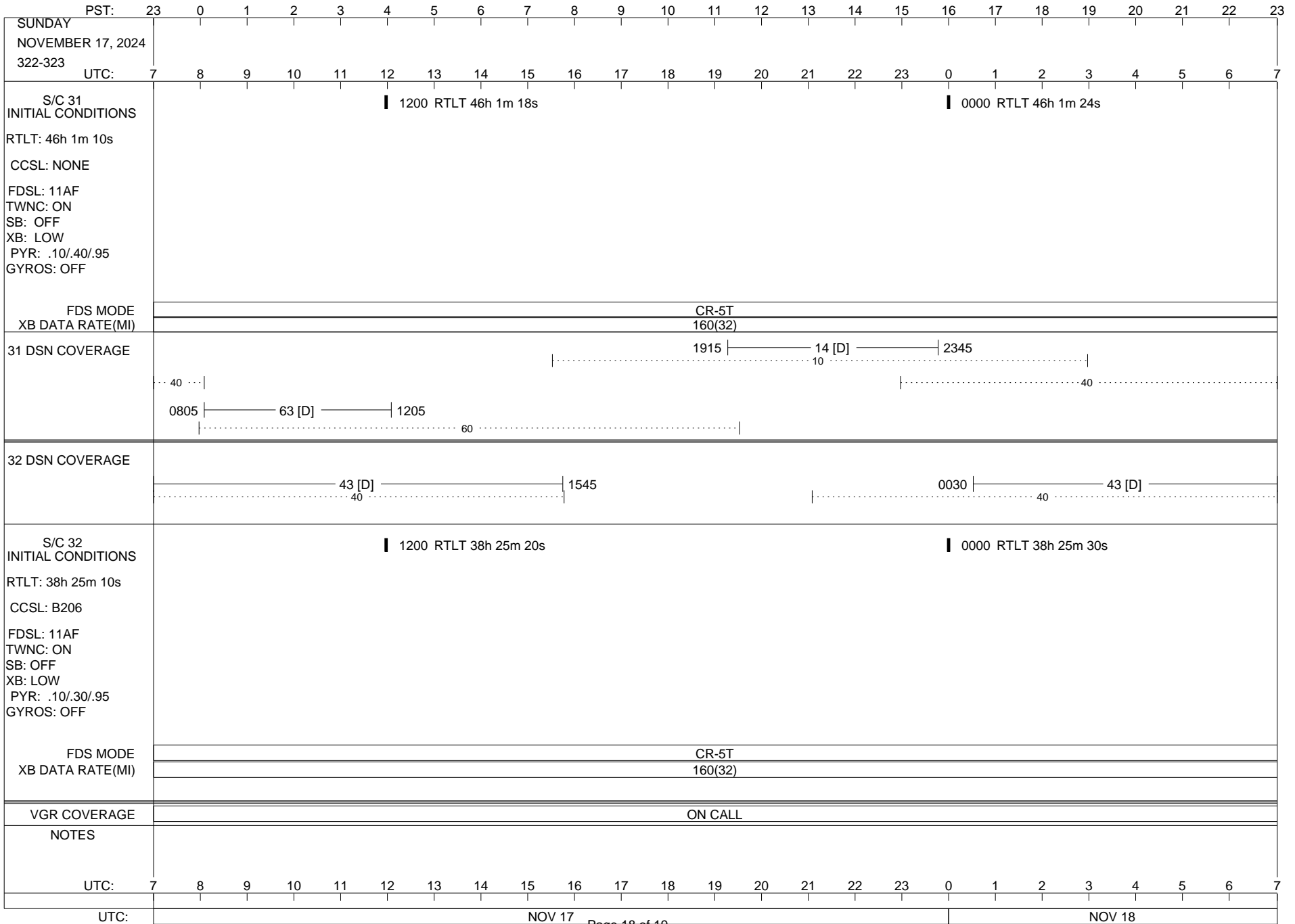
ISSUE DATE: 11/14/24 17:56



ISSUE DATE: 11/14/24 17:56



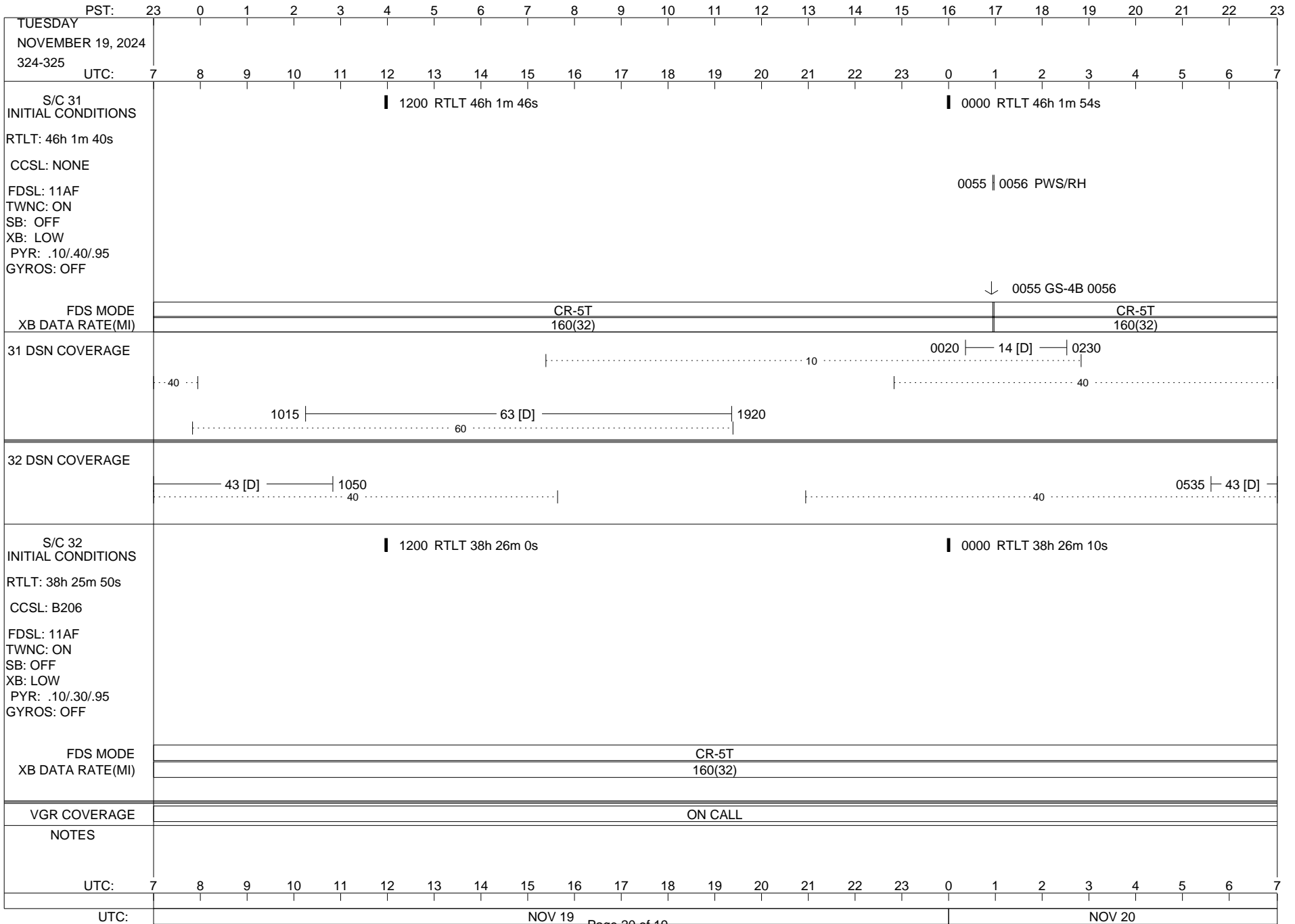
ISSUE DATE: 11/14/24 17:56



ISSUE DATE: 11/14/24 17:56

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 18, 2024 323-324	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: 46h 1m 24s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF	1200 RTLT 46h 1m 32s											0000 RTLT 46h 1m 40s														
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)														
31 DSN COVERAGE	0835 ----- 63 [D] ----- 1515 ----- 60 -----											0045 ----- 14 [D] ----- 0250 ----- 10 ----- ----- 40 -----														
32 DSN COVERAGE	43 [D] ----- 1015 ----- 40 -----											0530 ----- 43 [D] ----- ----- 40 -----														
S/C 32 INITIAL CONDITIONS RTLT: 38h 25m 30s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLT 38h 25m 40s											0000 RTLT 38h 25m 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 18											NOV 19														

ISSUE DATE: 11/14/24 17:56



ISSUE DATE: 11/14/24 17:56

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 20, 2024
325-326
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

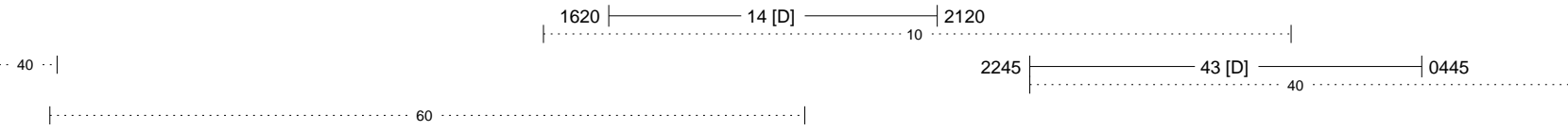
S/C 31
INITIAL CONDITIONS
RTLTL: 46h 1m 54s
CCSL: NONE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.40/.95
GYROS: OFF

1200 RTLT 46h 2m 0s 0000 RTLT 46h 2m 8s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 38h 26m 10s
CCSL: B206
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.30/.95
GYROS: OFF

1200 RTLT 38h 26m 20s 0000 RTLT 38h 26m 28s

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 20 Page 21 of 19 NOV 21

ISSUE DATE: 11/14/24 17:56

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 21, 2024
326-327
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: 46h 2m 8s
CCSL: NONE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.40/.95
GYROS: OFF
1200 RTLT 46h 2m 14s
0000 RTLT 46h 2m 22s
▼ 0025 CCS DIAG (22:28)
U/L 0050 | - | - - - - - TLC (SHORT-FORM) - - - - -

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

31 DSN COVERAGE
40 | 1715 | 63 [D] | 1915 | 2325 | 43 [HT] | 0325 | 40
60

32 DSN COVERAGE
43 [D] | 1400 | 0440 | 43 [H1] | 40

S/C 32
INITIAL CONDITIONS
RTLT: 38h 26m 28s
CCSL: B206
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.30/.95
GYROS: OFF
1200 RTLT 38h 26m 38s
0000 RTLT 38h 26m 48s

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

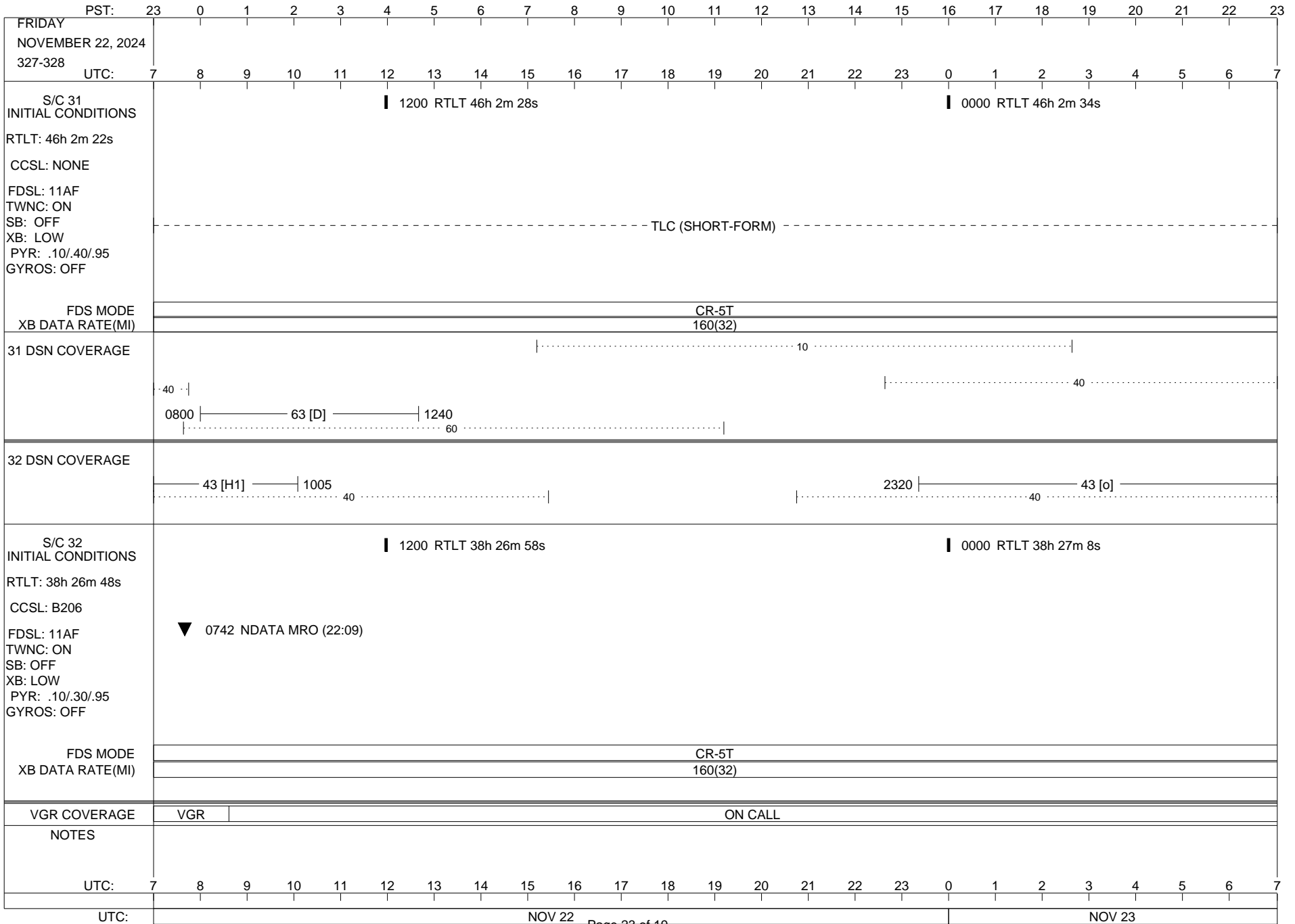
VGR COVERAGE ON CALL VGR ON CALL

NOTES

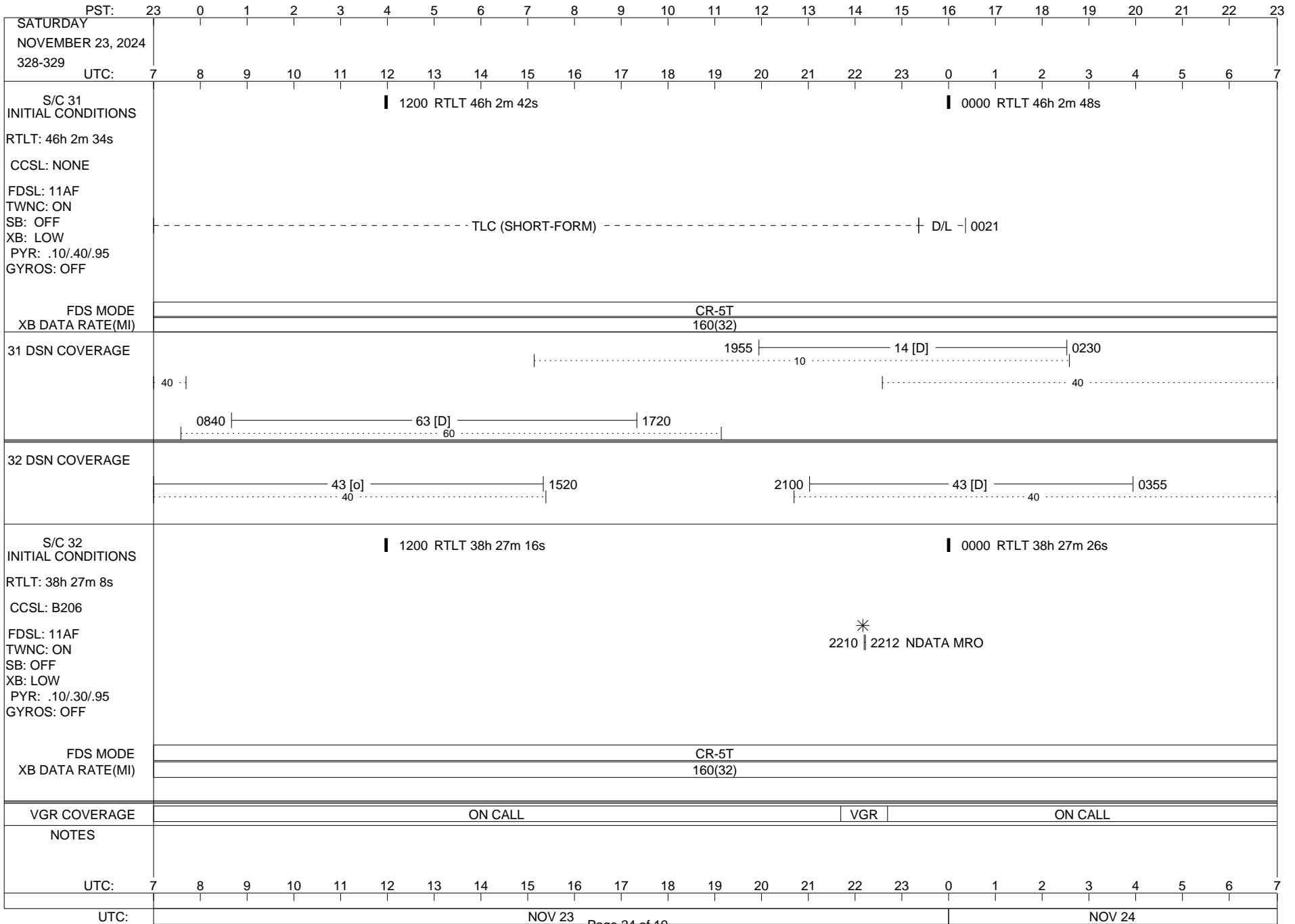
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

UTC: NOV 21 NOV 22

ISSUE DATE: 11/14/24 17:56



ISSUE DATE: 11/14/24 17:56



ISSUE DATE: 11/14/24 17:56

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	
SUNDAY NOVEMBER 24, 2024 329-330																										
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: 46h 2m 48s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF	1200 RTLTL 46h 2m 54s												0000 RTLTL 46h 3m 2s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	-----												-----													
	40 :												-----40													
	-----1120						63 [D]						-----1735													
	-----60												-----													
32 DSN COVERAGE	-----40												-----0030													
	-----												-----40													
	-----43 [D]												-----													
S/C 32 INITIAL CONDITIONS RTLTL: 38h 27m 26s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLTL 38h 27m 36s												0000 RTLTL 38h 27m 44s													
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:	NOV 24													NOV 25												

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 25, 2024 330-331																											
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: 46h 3m 2s CCSL: NONE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.40/.95 GYROS: OFF						█	1200 RTLTL 46h 3m 8s														█	0000 RTLTL 46h 3m 14s					
FDS MODE												CR-5T															
XB DATA RATE(MI)												160(32)															
31 DSN COVERAGE												----- 10 -----															
	40											----- 40 -----															
	0800 ----- 63 [D] ----- 1225											----- 60 -----															
32 DSN COVERAGE	----- 43 [D] ----- 0945											----- 40 -----															
												----- 40 ----- 0530 ----- 43 [D] -----															
S/C 32 INITIAL CONDITIONS RTLTL: 38h 27m 44s CCSL: B206 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF						█	1200 RTLTL 38h 27m 54s														█	0000 RTLTL 38h 28m 4s					
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:	NOV 25														NOV 26												