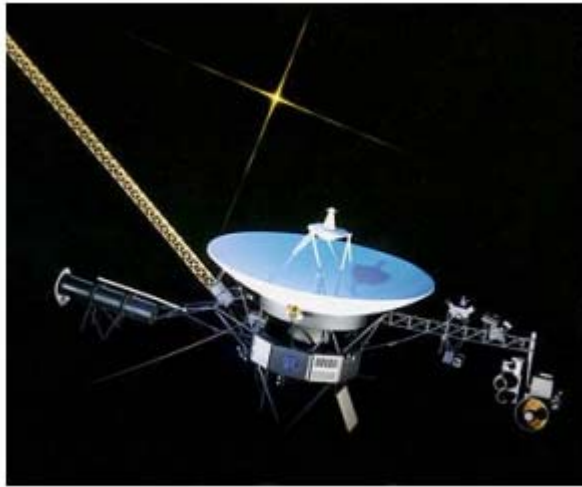


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 15, 2023

For the Period: 11/16/23 to 12/04/23 (23/320 – 23/338)



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: 11/20/23 16:18

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 16, 2023 320-321	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 1m 30s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 1m 38s											0000 RTLT 45h 1m 46s														
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)														
31 DSN COVERAGE	-----											-----														
	-----											-----														
	-----											-----														
32 DSN COVERAGE	-----											-----														
	-----											-----														
S/C 32 INITIAL CONDITIONS RTLTL: 37h 31m 54s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	1200 RTLT 37h 32m 4s											0000 RTLT 37h 32m 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													NOV 17												

ISSUE DATE: 11/20/23 16:18

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 17, 2023
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
RTLT: 45h 1m 46s
CCSL: A129
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.40/.50
GYROS: OFF
1200 RTLT 45h 1m 54s
0000 RTLT 45h 2m 0s
TMU STATE SELECT (23:31) 0229▼
U/L 0350 | - |
TLC (SHORT-FORM) | - - - - -

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

31 DSN COVERAGE
0800 |----- 63 [D] -----| 1300
|----- 60 -----|
0030 |----- 43 [HT] -----| 0430
|----- 40 -----|

32 DSN COVERAGE
0845 |----- 43 [D] -----| 1315
|----- 40 -----|

S/C 32
INITIAL CONDITIONS
RTLT: 37h 32m 14s
CCSL: B202
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.30/.50
GYROS: OFF
1200 RTLT 37h 32m 24s
0000 RTLT 37h 32m 34s

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

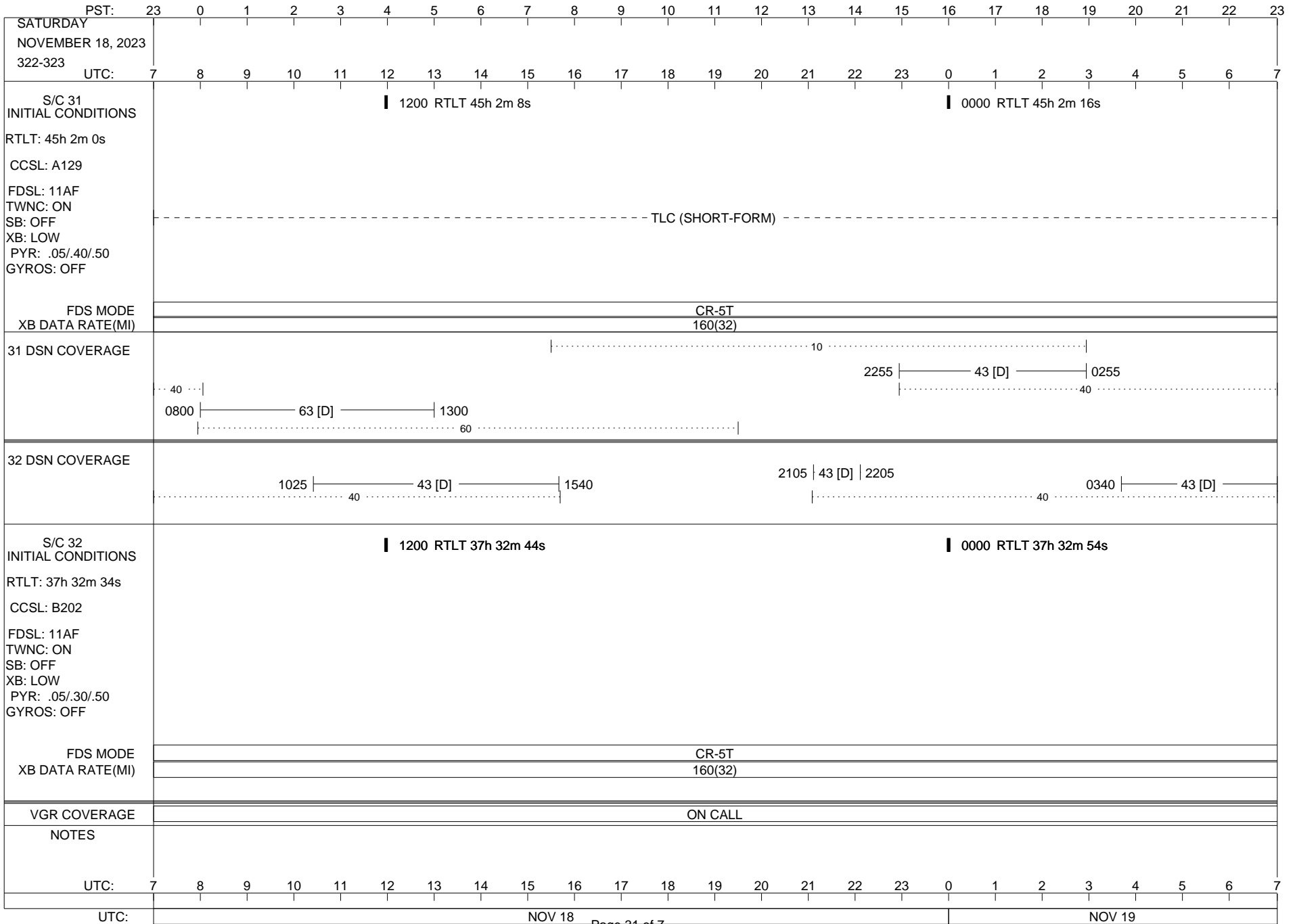
VGR COVERAGE ON CALL VGR ON CALL

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 17 NOV 18

ISSUE DATE: 11/20/23 16:18



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 19, 2023 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	1200 RTLT 45h 2m 22s											0000 RTLT 45h 2m 30s													
RTLT: 45h 2m 16s																									
CCSL: A129																									
FDSL: 11AF																									
TWNC: ON																									
SB: OFF																									
XB: LOW																									
PYR: .05/.40/.50																									
GYROS: OFF																									
----- TLC (SHORT-FORM) -----																									
D/L - 0220																									
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	<p>1525 — 14 [D] — 1720</p> <p>1930 — 14 [D] — 0250</p> <p>10</p> <p>40</p> <p>0755 — 63 [D] — 1135</p> <p>60</p> <p>40</p>																								
32 DSN COVERAGE	<p>43 [D] — 1030</p> <p>40</p> <p>40</p>																								
S/C 32 INITIAL CONDITIONS	1200 RTLT 37h 33m 2s											0000 RTLT 37h 33m 12s													
RTLT: 37h 32m 54s																									
CCSL: B202																									
FDSL: 11AF																									
TWNC: ON																									
SB: OFF																									
XB: LOW																									
PYR: .05/.30/.50																									
GYROS: OFF																									
FDS MODE	CR-5T																								
XB DATA RATE(MI)	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 19											NOV 20													

ISSUE DATE: 11/20/23 16:18

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 20, 2023 324-325																									
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 2m 30s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF						█ 1200 RTLT 45h 2m 36s																			
FDS MODE																									
XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 37h 33m 12s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF						█ 1200 RTLT 37h 33m 22s																			
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:																									

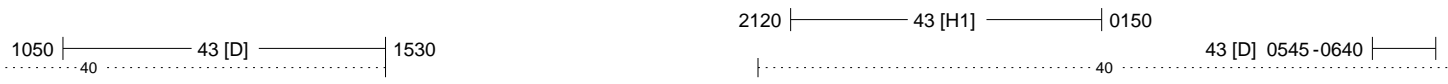
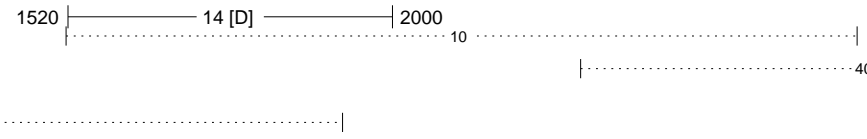
ISSUE DATE: 11/20/23 16:18

		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
TUESDAY																											
NOVEMBER 21, 2023																											
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								1200													0000						
RTLT: 45h 2m 44s																											
CCSL: A129																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.40/.50																											
GYROS: OFF																											
FDS MODE																											
XB DATA RATE(MI)																											
31 DSN COVERAGE								1520						14 [D]							2000						
32 DSN COVERAGE																											
								1050						43 [D]							2120						
S/C 32 INITIAL CONDITIONS								1200																			
RTLT: 37h 33m 32s																											
CCSL: B202																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.30/.50																											
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:																											

0049 | 0050 PWS/RH

↓ 0049 GS-4B 0050

CR-5T	CR-5T
160(32)	160(32)



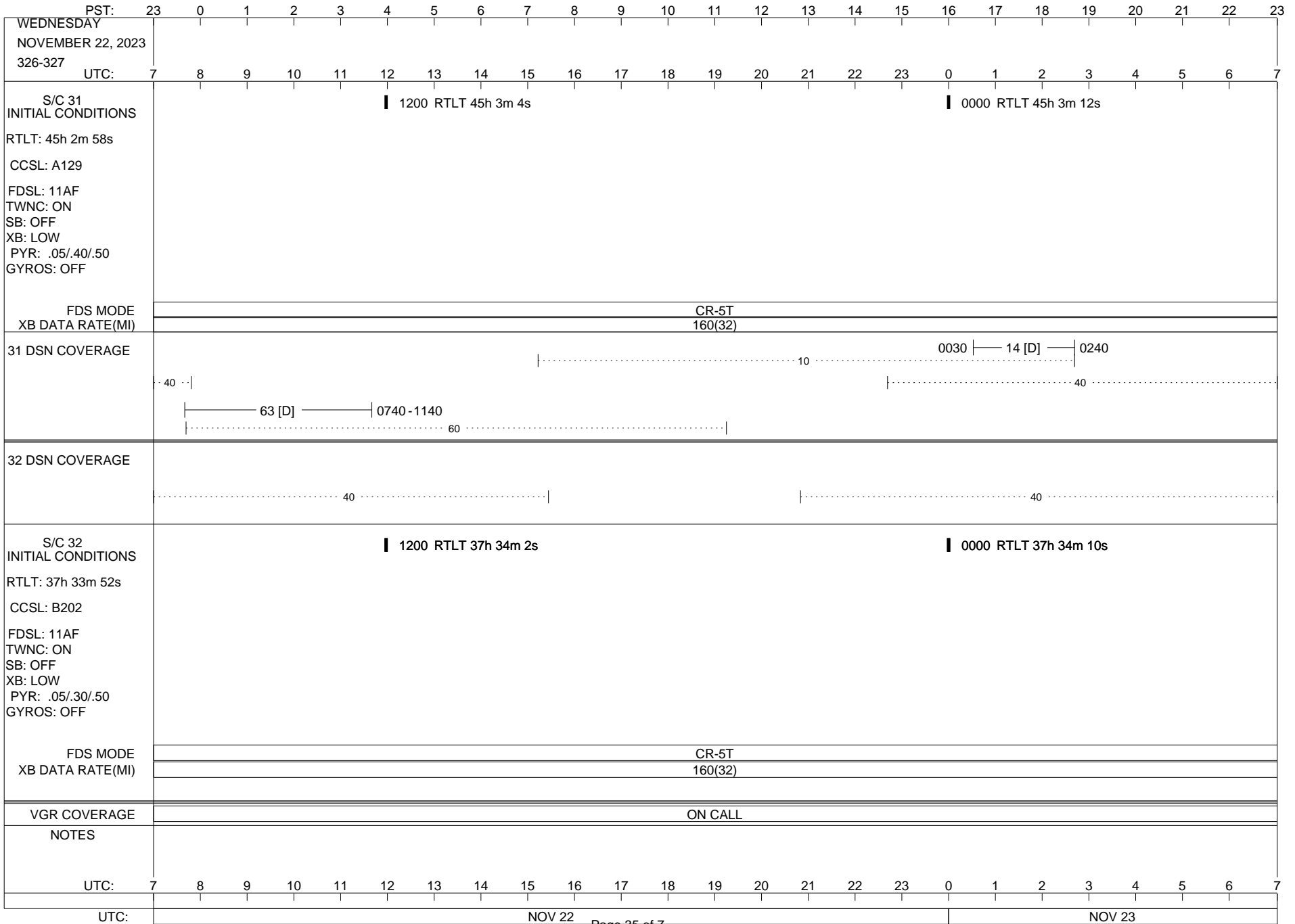
▼ 2241 CCS CLK RST (12:15)
 ▼ 0008 CCSTIM F/C (13:42)

CR-5T
160(32)

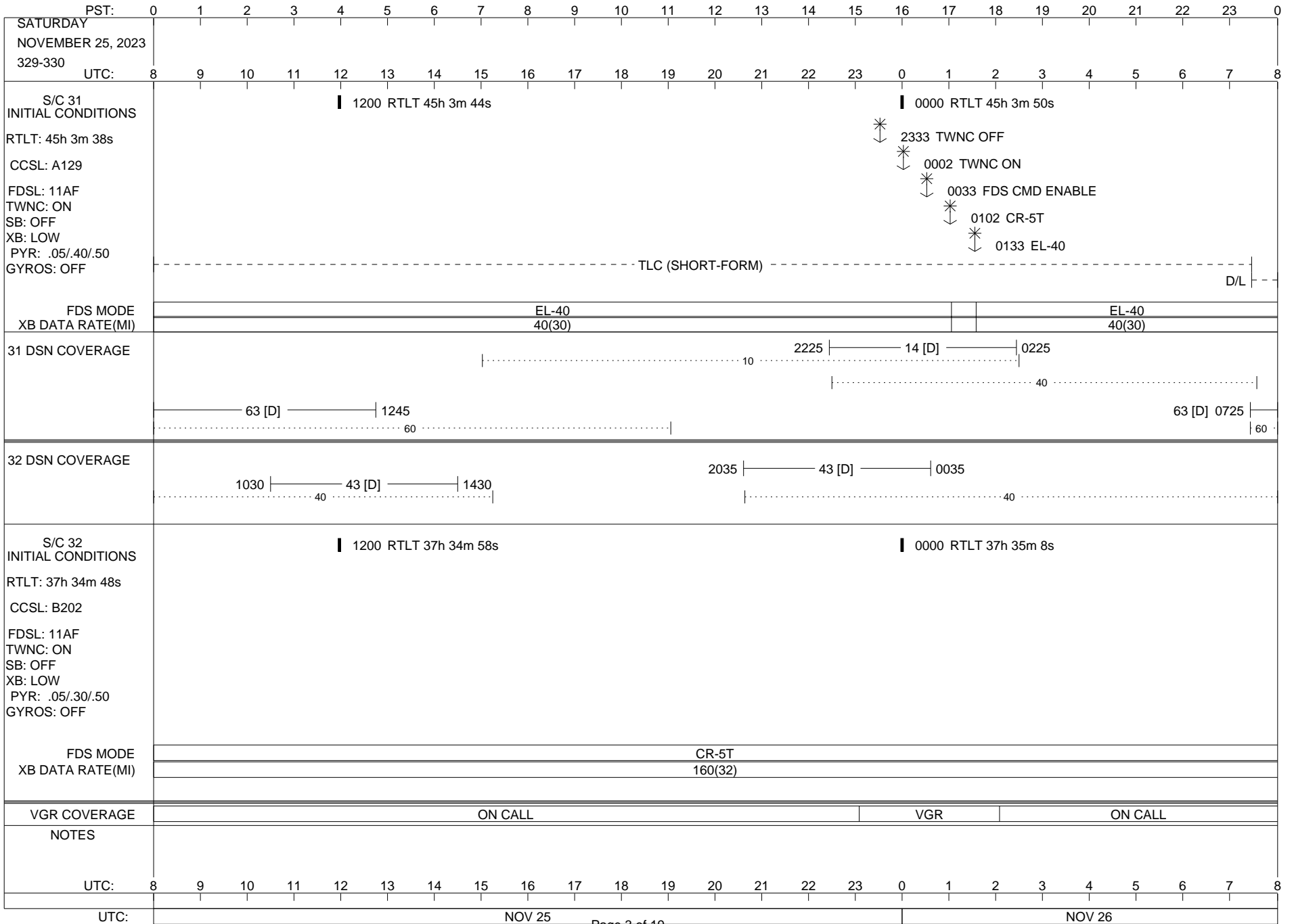
ON CALL	VGR	ON CALL
---------	-----	---------

[1] DSS-43 HPTXR ON >= 22:21

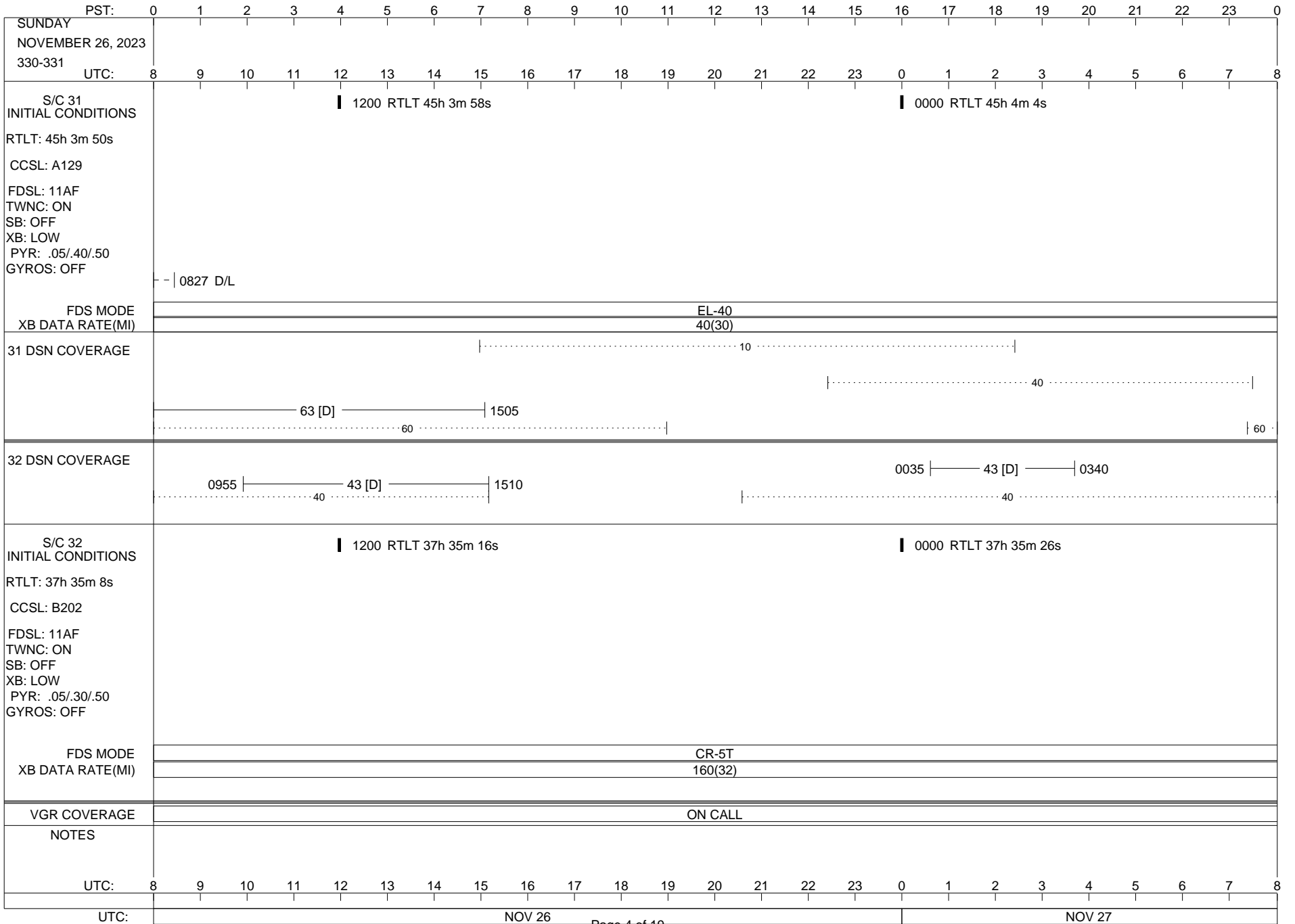
ISSUE DATE: 11/20/23 16:18



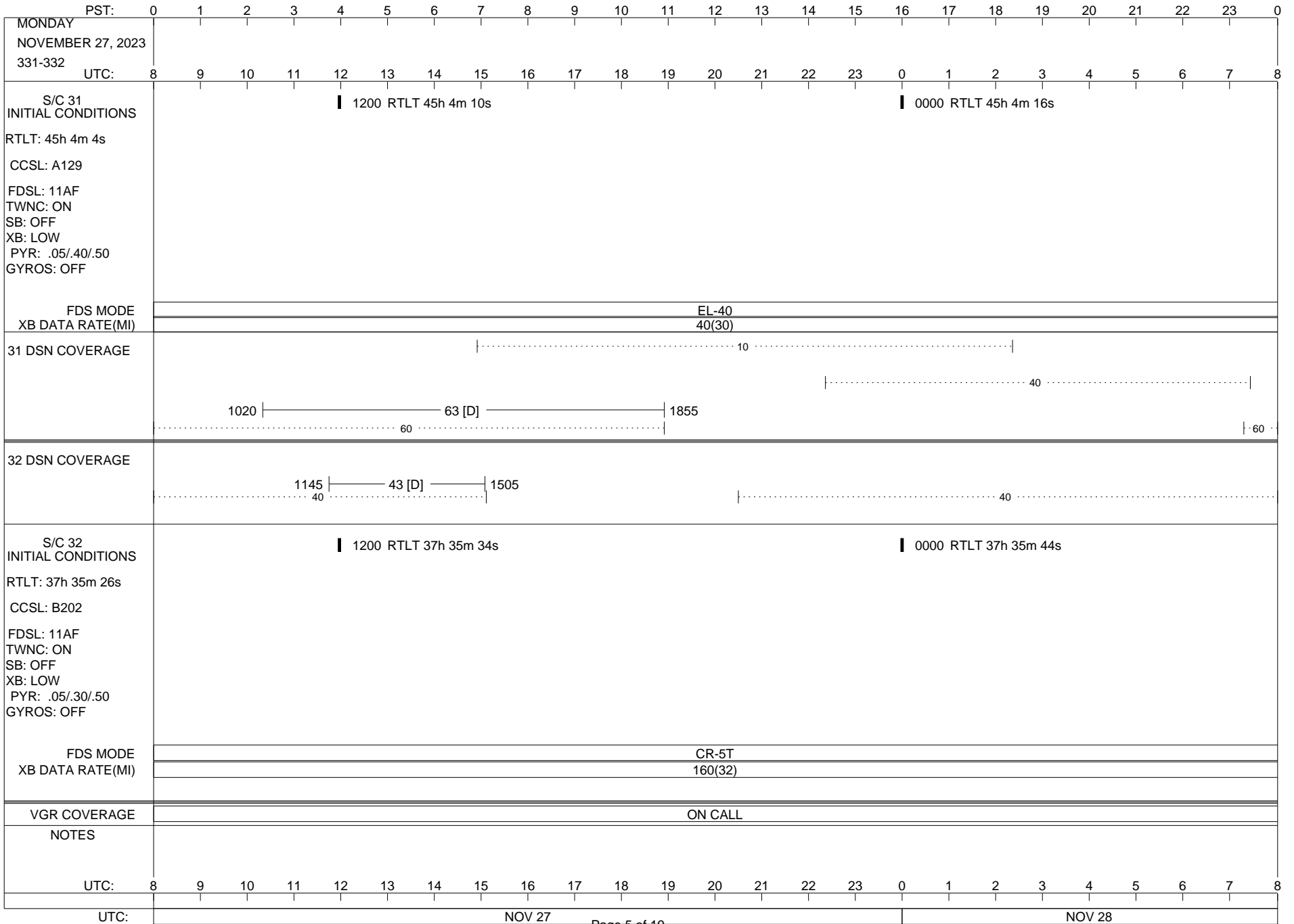
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0									
THURSDAY NOVEMBER 23, 2023 327-328																																		
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8									
S/C 31 INITIAL CONDITIONS RTLT: 45h 3m 12s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 3m 18s											0000 RTLT 45h 3m 24s																						
FDS MODE XB DATA RATE(MI)	EL-40 40(30)																																	
31 DSN COVERAGE	<p>1510 ----- 14 [D] ----- 0145</p> <p>10 ----- </p> <p>0140 ----- 43 [H] ----- 0640</p> <p>40 ----- </p> <p>60 ----- </p> <p>63 [T] 0750 </p> <p>60</p>																																	
32 DSN COVERAGE	<p>0930 ----- 43 [o] ----- 1520</p> <p>40 ----- </p> <p>2125 ----- 43 [D] ----- 0020</p> <p>40 ----- </p> <p>43 [D] 0725 </p>																																	
S/C 32 INITIAL CONDITIONS RTLT: 37h 34m 10s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	1200 RTLT 37h 34m 20s											0000 RTLT 37h 34m 30s																						
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																																	
VGR COVERAGE	<table border="1"> <thead> <tr> <th>ON CALL</th> <th>VGR</th> <th>ON CALL</th> <th>VGR</th> <th>ON CALL</th> </tr> </thead> <tbody> <tr> <td colspan="5">JPL HOLIDAY!</td> </tr> </tbody> </table>																								ON CALL	VGR	ON CALL	VGR	ON CALL	JPL HOLIDAY!				
ON CALL	VGR	ON CALL	VGR	ON CALL																														
JPL HOLIDAY!																																		
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8									
UTC:	NOV 23													NOV 24																				



ISSUE DATE: 11/22/23 10:48



ISSUE DATE: 11/22/23 10:48



ISSUE DATE: 11/22/23 10:48

TUESDAY NOVEMBER 28, 2023 332-333		PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8		
S/C 31 INITIAL CONDITIONS RTLT: 45h 4m 16s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF		1200 RTLT 45h 4m 22s 0000 RTLT 45h 4m 28s 0026 0027 PWS/RH ↓ 0026 GS-4B 0027
FDS MODE		EL-40
XB DATA RATE(MI)		40(30)
CR-5T		160(32)
31 DSN COVERAGE		0035 14 [D] 0210 1600 63 [D] 1850 60 40 60
32 DSN COVERAGE		43 [D] 0820 - 1505 40 40 0530 43 [D] 0640
S/C 32 INITIAL CONDITIONS RTLT: 37h 35m 44s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF		1200 RTLT 37h 35m 54s 0000 RTLT 37h 36m 2s
FDS MODE		CR-5T
XB DATA RATE(MI)		160(32)
VGR COVERAGE		ON CALL
NOTES		
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8		
UTC:		NOV 28 NOV 29

ISSUE DATE: 11/22/23 10:48

PST:	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 NOVEMBER 29, 2023 333-334																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLT: 45h 4m 28s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLT 45h 4m 34s														█ 0000 RTLT 45h 4m 40s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE															-----10----- -----40----- 1715 ---63 [D]--- 1845 60 ----- 63 [D] 0710 -----60-----													
32 DSN COVERAGE	1130 -----43 [D]----- 1500 -----40-----														-----40-----													
S/C 32 INITIAL CONDITIONS RTLT: 37h 36m 2s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	█ 1200 RTLT 37h 36m 12s														█ 0000 RTLT 37h 36m 20s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
VGR COVERAGE	ON CALL																											
NOTES																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
UTC:	NOV 29														NOV 30													

ISSUE DATE: 11/22/23 10:48

PST:	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 NOVEMBER 30, 2023 334-335	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 45h 4m 40s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLTL 45h 4m 46s												█ 0000 RTLTL 45h 4m 52s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	63 [D] 1325												0030 14 [D] 0205 40 63 [D] 0705 60												
32 DSN COVERAGE	0855 43 [H1] 1450 40												40												
S/C 32 INITIAL CONDITIONS RTLTL: 37h 36m 20s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	█ 1200 RTLTL 37h 36m 30s												█ 0000 RTLTL 37h 36m 38s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] DSS-43 HPTXR DRV OFF <= 13:24																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	NOV 30												DEC 01												

