

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 22, 2023

For the Period: 11/23/23 to 12/11/23 (23/327 – 23/345)

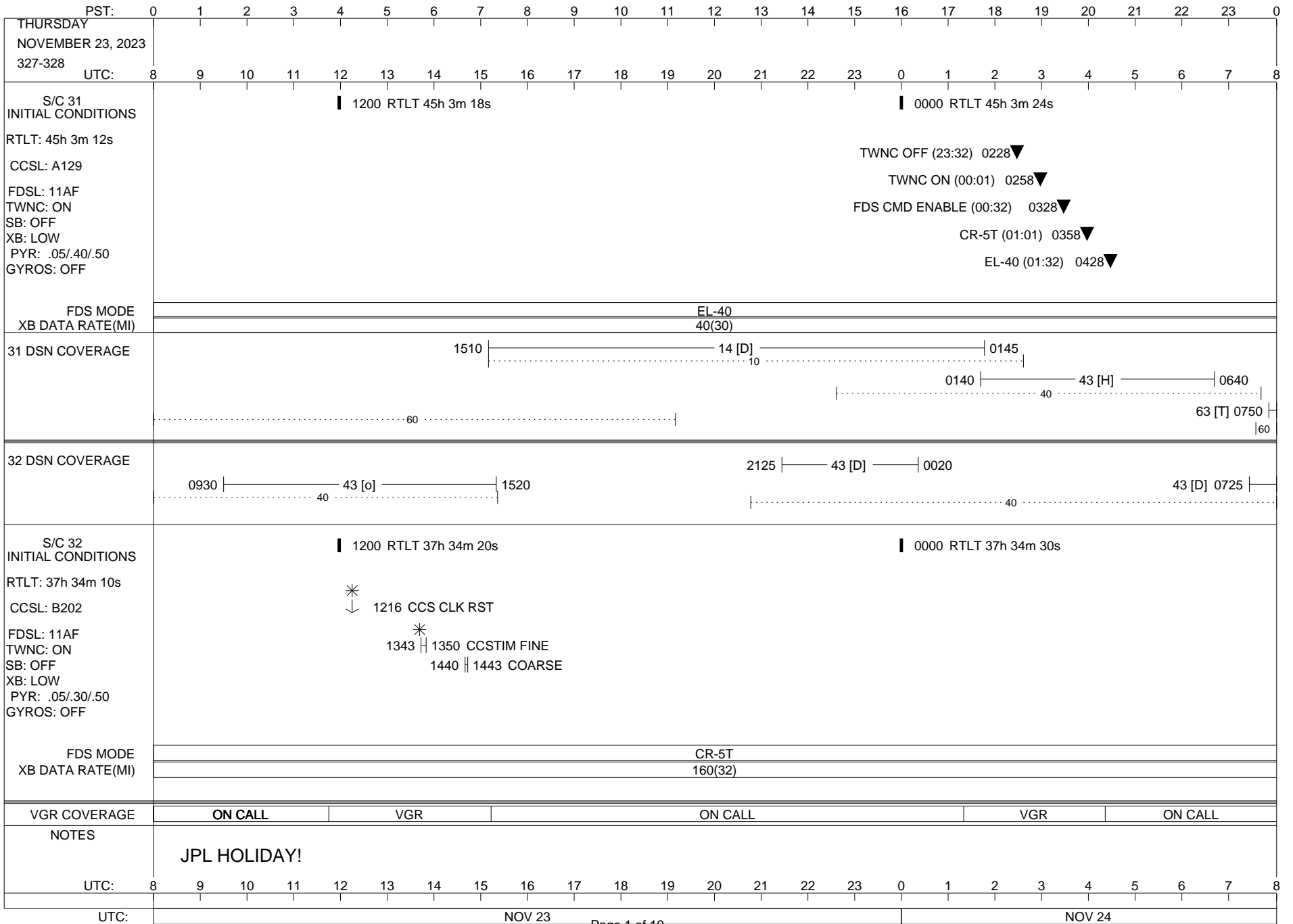


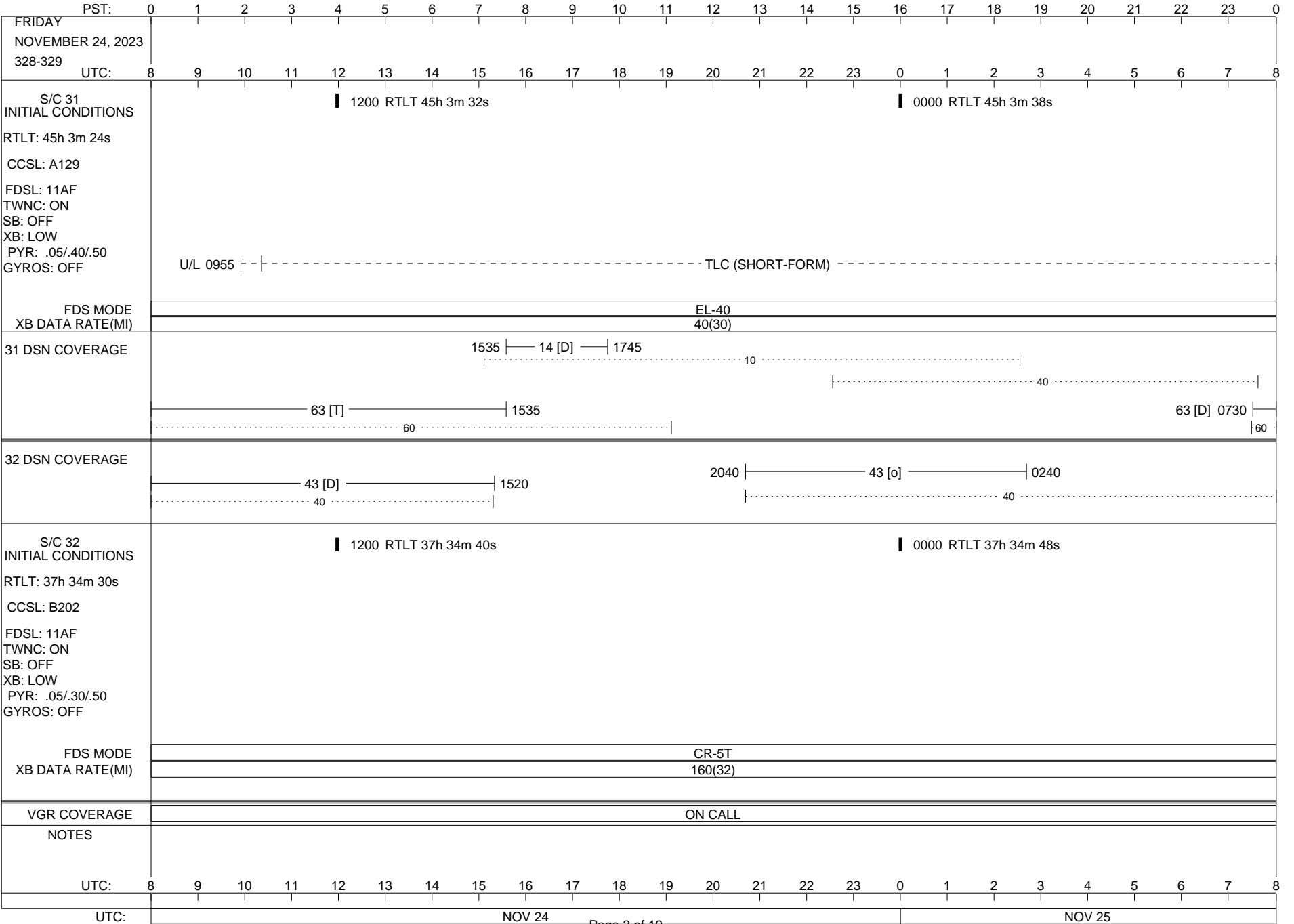
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

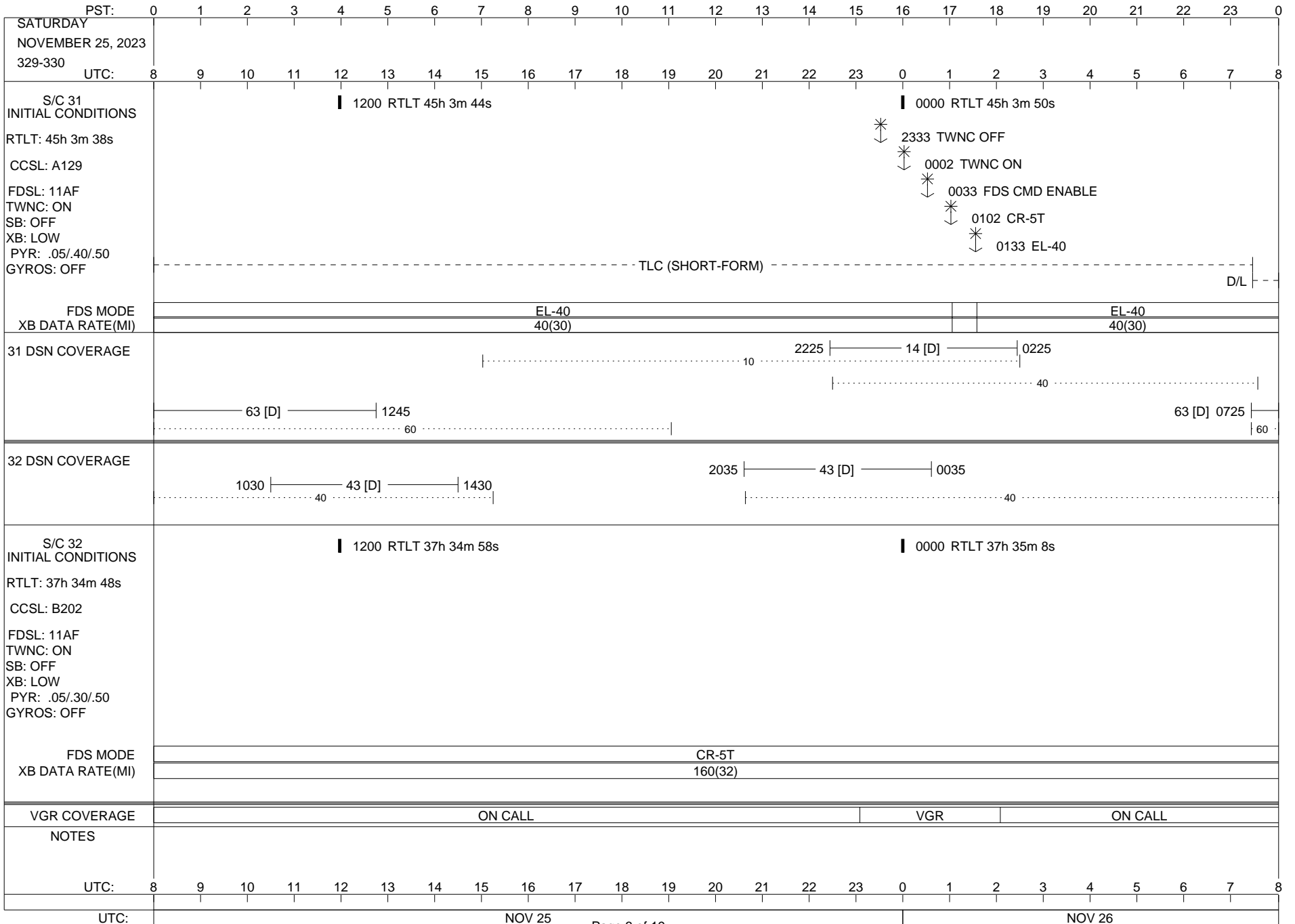
LEGEND:

- ▽ = 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

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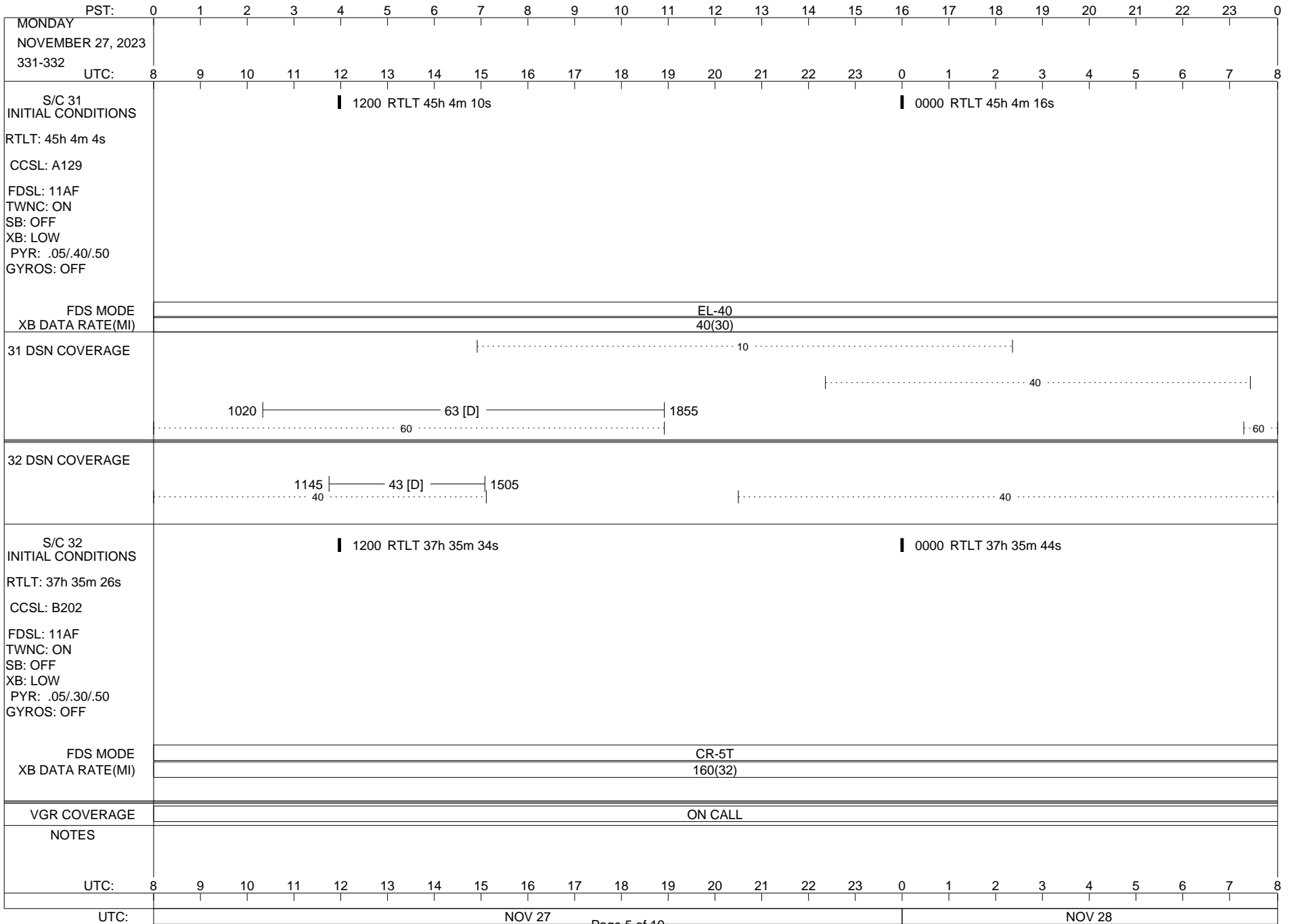




ISSUE DATE: 11/22/23 10:48

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
SUNDAY NOVEMBER 26, 2023 330-331	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 50s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 3m 58s												0000 RTLT 45h 4m 4s												
	- 0827 D/L																								
FDS MODE	EL-40																								
XB DATA RATE(MI)	40(30)																								
31 DSN COVERAGE 10 40													
	63 [D] 1505										 60 60													
32 DSN COVERAGE	0955 43 [D] 1510											0035 43 [D] 0340													
 40 40													
S/C 32 INITIAL CONDITIONS RTLT: 37h 35m 8s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	1200 RTLT 37h 35m 16s												0000 RTLT 37h 35m 26s												
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 26																NOV 27								

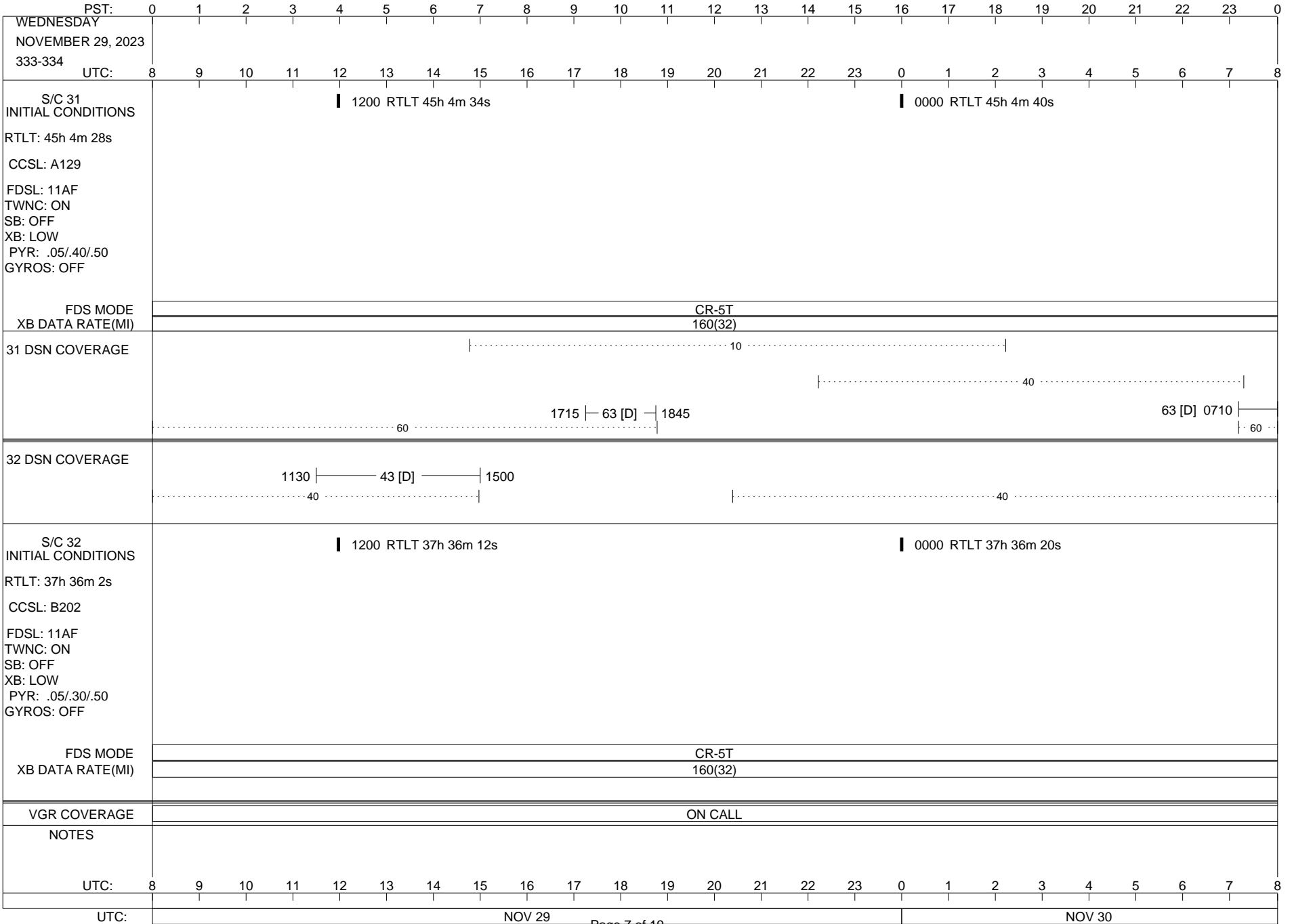
ISSUE DATE: 11/22/23 10:48



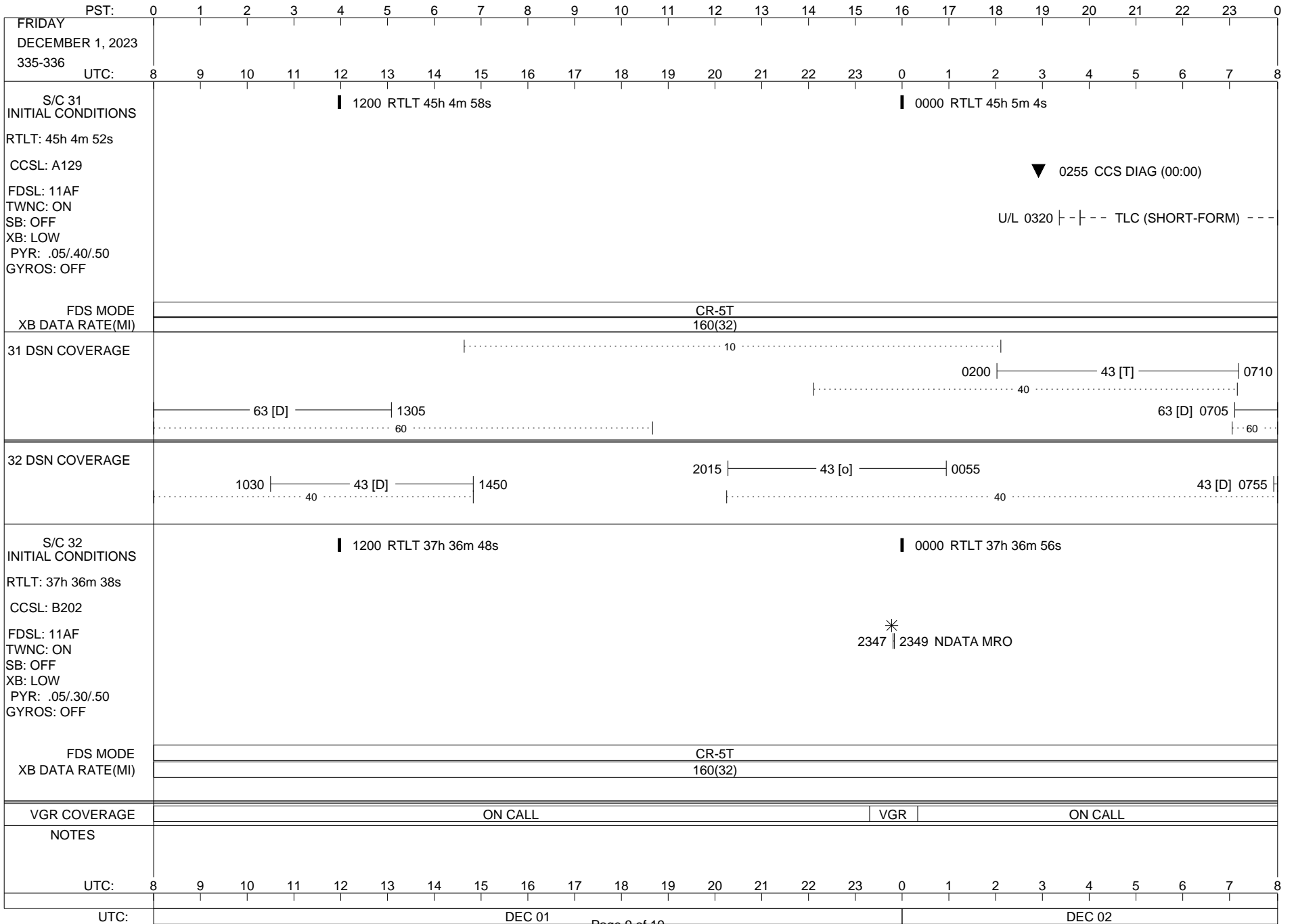
ISSUE DATE: 11/22/23 10:48

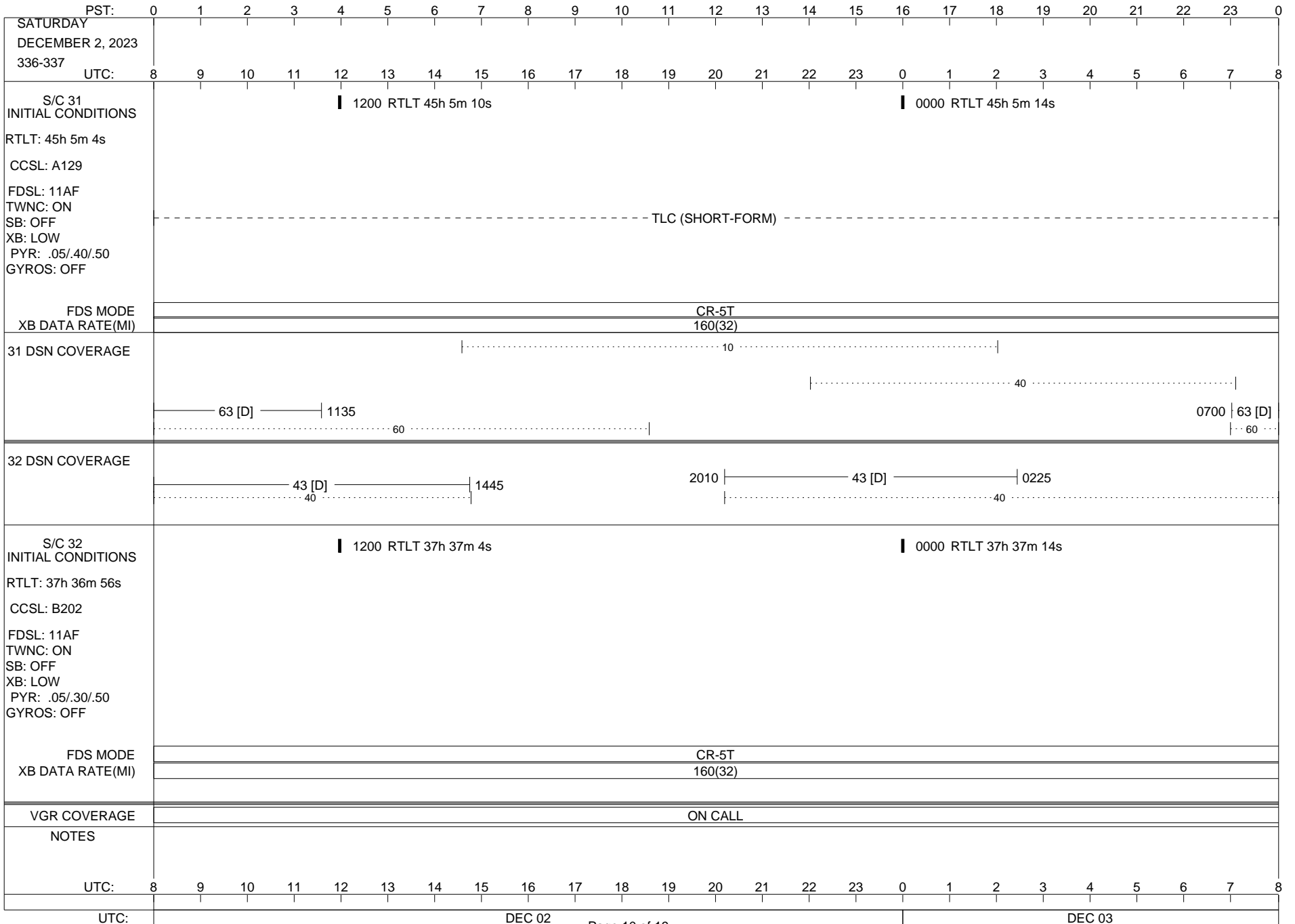
TUESDAY NOVEMBER 28, 2023 332-333		PST: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8		
S/C 31 INITIAL CONDITIONS RTLT: 45h 4m 16s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 4m 22s	0000 RTLT 45h 4m 28s
FDS MODE XB DATA RATE(MI)	EL-40 40(30)	CR-5T 160(32)
31 DSN COVERAGE	0035 14 [D] 0210 1600 63 [D] 1850 60 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 XB DATA RATE(MI)	CR-5T 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

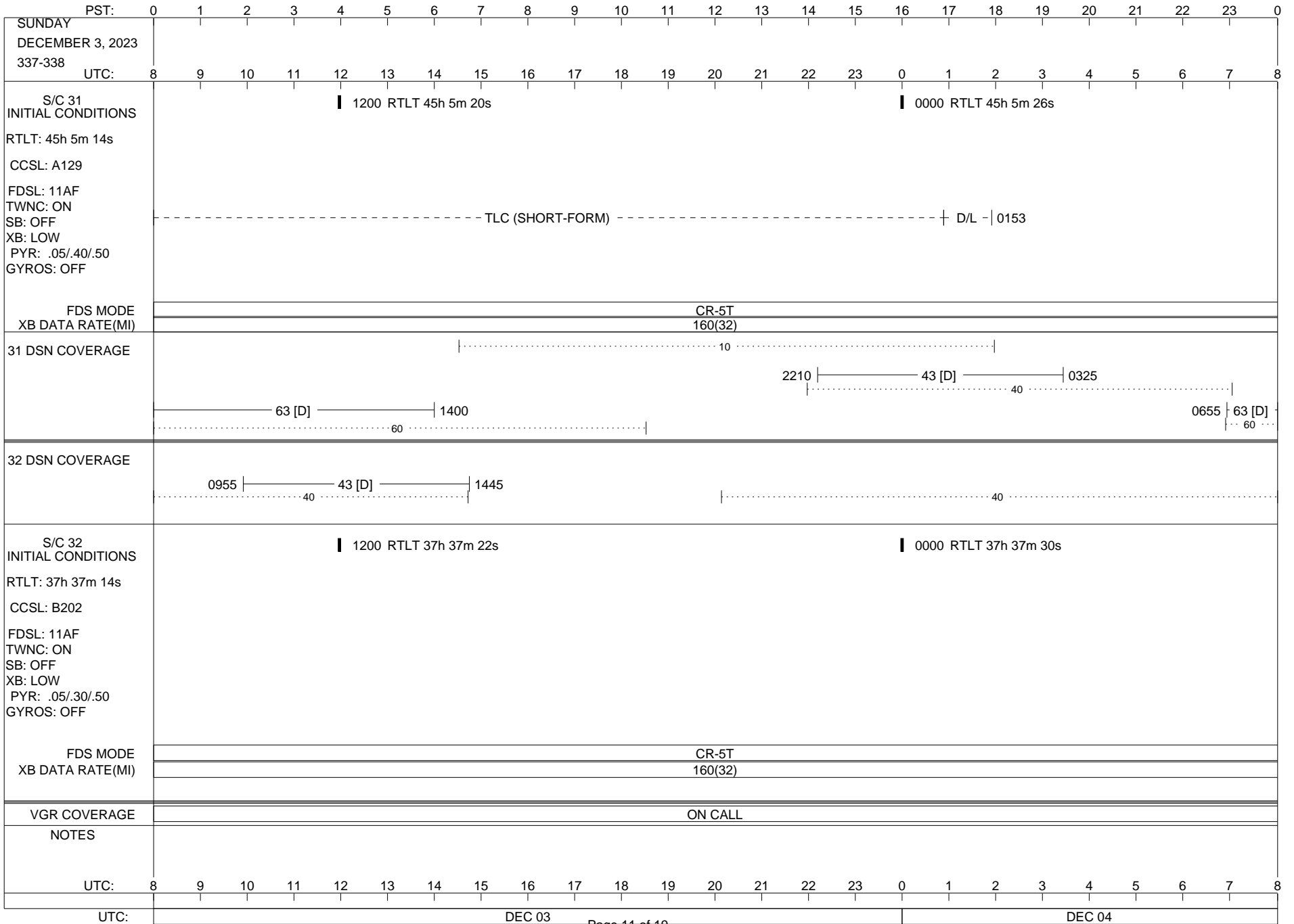
ISSUE DATE: 11/22/23 10:48

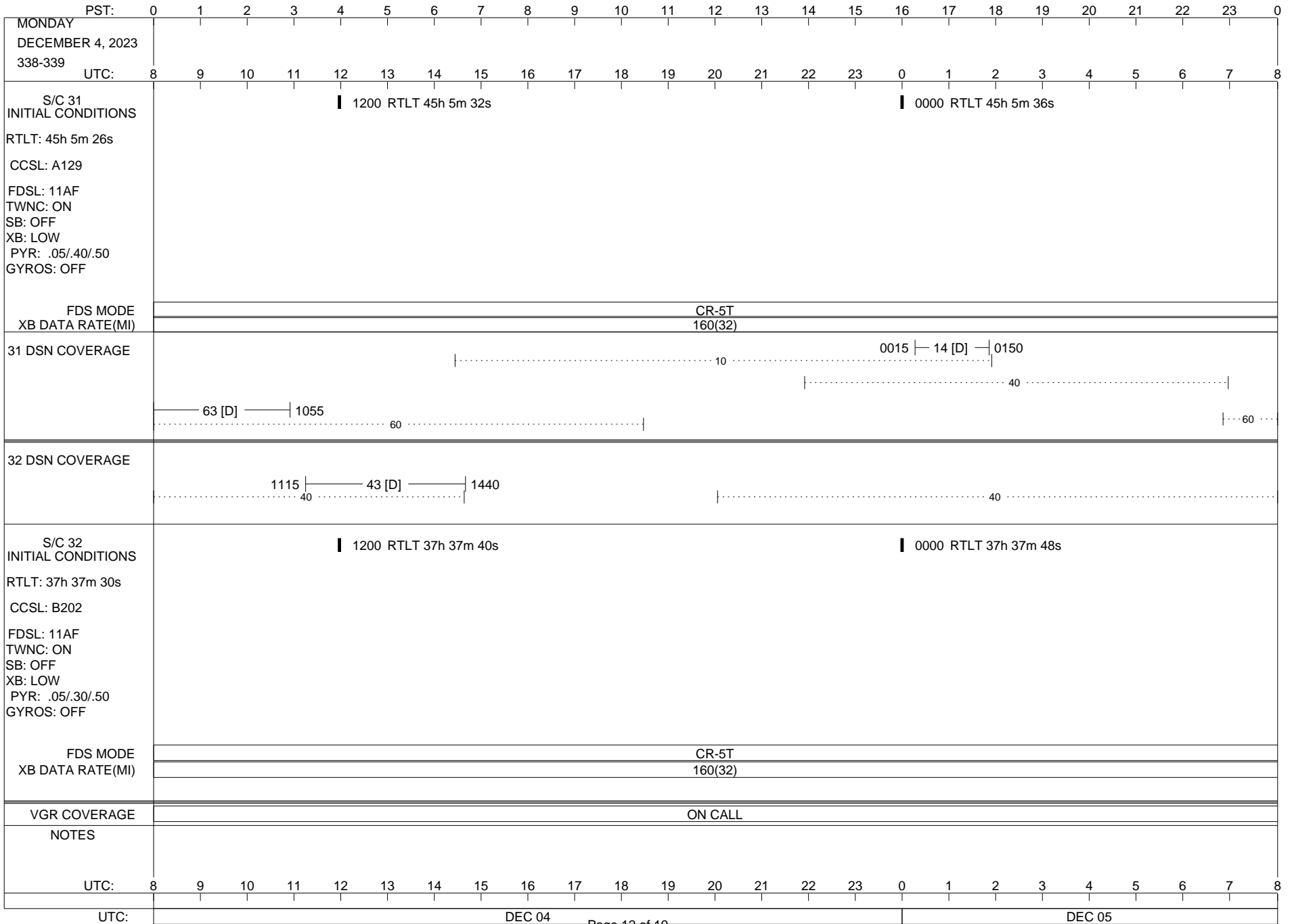


PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
THURSDAY NOVEMBER 30, 2023 334-335																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS RTLTL: 45h 4m 40s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLTL 45h 4m 46s												█ 0000 RTLTL 45h 4m 52s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE	-----63 [D]----- 1325												0030 ---14 [D]--- 0205 -----40----- -----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													
	▼ 1010 NDATA MRO (23:47)																									
FDS MODE	CR-5T																									
XB DATA RATE(MI)	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													









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
TUESDAY DECEMBER 5, 2023 339-340	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 5m 36s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	█ 1200 RTLTL 45h 5m 42s												█ 0000 RTLTL 45h 5m 48s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1425 ----- 14 [D] ----- 2125												10 ----- 40 ----- 0650 63 [D] ----- 60												
32 DSN COVERAGE	43 [D] ----- 0825 - 1435												40 ----- 40												
S/C 32 INITIAL CONDITIONS RTLTL: 37h 37m 48s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	█ 1200 RTLTL 37h 37m 56s												█ 0000 RTLTL 37h 38m 4s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												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:	DEC 05												DEC 06												

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
DECEMBER 6, 2023
340-341

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 5m 48s
CCSL: A129
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.40/.50
GYROS: OFF

1200 RTLTL 45h 5m 52s

0000 RTLTL 45h 5m 58s

1554 | --- MAGCAL --- | 1856

1554 | --- PESCAL --- | 1914

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE

1420 |----- 14 [D] -----| 1925

.....|

|----- 40 -----|

| 0820 63 [D]

.....|

|----- 60 -----|

32 DSN COVERAGE

1110 |----- 43 [D] -----| 1430

.....|

|----- 40 -----|

S/C 32
INITIAL CONDITIONS
RTLTL: 37h 38m 4s
CCSL: B202
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.30/.50
GYROS: OFF

1200 RTLTL 37h 38m 14s

0000 RTLTL 37h 38m 22s

FDS MODE
XB DATA RATE(MI)

CR-5T
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:

DEC 06

DEC 07

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																																					
DECEMBER 7, 2023																																					
341-342																																					
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 5m 58s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF														1200 RTLT 45h 6m 2s														0000 RTLT 45h 6m 8s									
FDS MODE														CR-5T																							
XB DATA RATE(MI)														160(32)																							
31 DSN COVERAGE																																					
														0030 14 [D] 0140																							
														1600 63 [D] 1810																							
														0640 63 [D]																							
32 DSN COVERAGE																																					
1105 43 [D] 1425														0650 43 [o]																							
														0215 0221 CCSTIMB FINE																							
S/C 32 INITIAL CONDITIONS RTLT: 37h 38m 22s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF														1200 RTLT 37h 38m 30s														0000 RTLT 37h 38m 38s									
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: DEC 07														DEC 08																							

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
FRIDAY DECEMBER 8, 2023 342-343	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 6m 8s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.40/.50 GYROS: OFF	1200 RTLT 45h 6m 12s												0000 RTLT 45h 6m 18s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	63 [D] 1040												0115 43 [H] 0515 60 40 0635 63 [D] 60												
32 DSN COVERAGE	43 [o] 1420												1945 43 [D] 2355 40 40												
S/C 32 INITIAL CONDITIONS RTLTL: 37h 38m 38s CCSL: B202 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.30/.50 GYROS: OFF	1200 RTLT 37h 38m 46s												0000 RTLT 37h 38m 54s												
FDS MODE XB DATA RATE(MI)	CR-5T 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:	DEC 08												DEC 09												

