

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 24, 2024

For the Period: 10/24/24 to 11/11/24 (24/298 – 24/316)



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

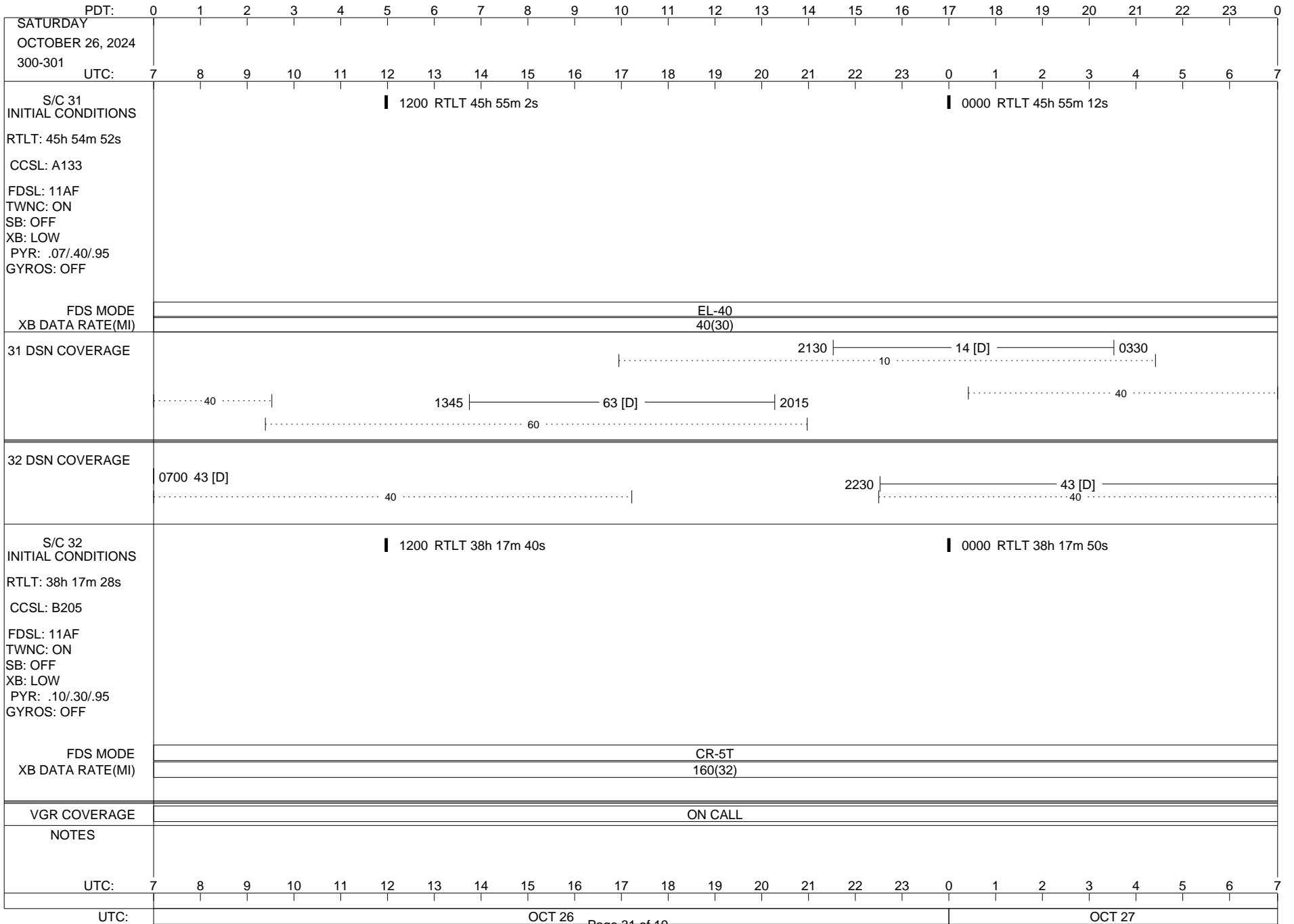
ISSUE DATE: 10/24/24 09:14

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 24, 2024																												
298-299																												
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 54m 14s CCSL: A133 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF						█ 1200 RTLT 45h 54m 24s												█ 0000 RTLT 45h 54m 34s										
FDS MODE	EL-40																											
XB DATA RATE(MI)	40(00)												40(30)															
31 DSN COVERAGE	..... 40 .....												..... 10											
	..... 40 .....												..... 10											
	..... 1235 |----- 63 [D] -----| 1945												..... 34 [DA] -----													
	..... 1235 |----- 63 [D] -----| 1945												..... 36 [DAR] -----													
	..... 1235 |----- 63 [D] -----| 1945												..... 43 [DA] -----													
	..... 1235 |----- 63 [D] -----| 1945												..... 40													
32 DSN COVERAGE	..... 43 [H1B] -----| 1550												..... 40													
	..... 43 [H1B] -----| 1550												..... 40													
S/C 32 INITIAL CONDITIONS RTLT: 38h 16m 44s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF						█ 1200 RTLT 38h 16m 56s												█ 0000 RTLT 38h 17m 6s										
						█ 1200 RTLT 38h 16m 56s												█ 0000 RTLT 38h 17m 6s										
						▼ 1142 DUMMY (5 MIN BRACKETED 01:59)																						
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL				VGR				ON CALL				VGR				ON CALL											
NOTES	[1] DSS-43 HPTXR DRV OFF <= 15:50																											
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 24														OCT 25													

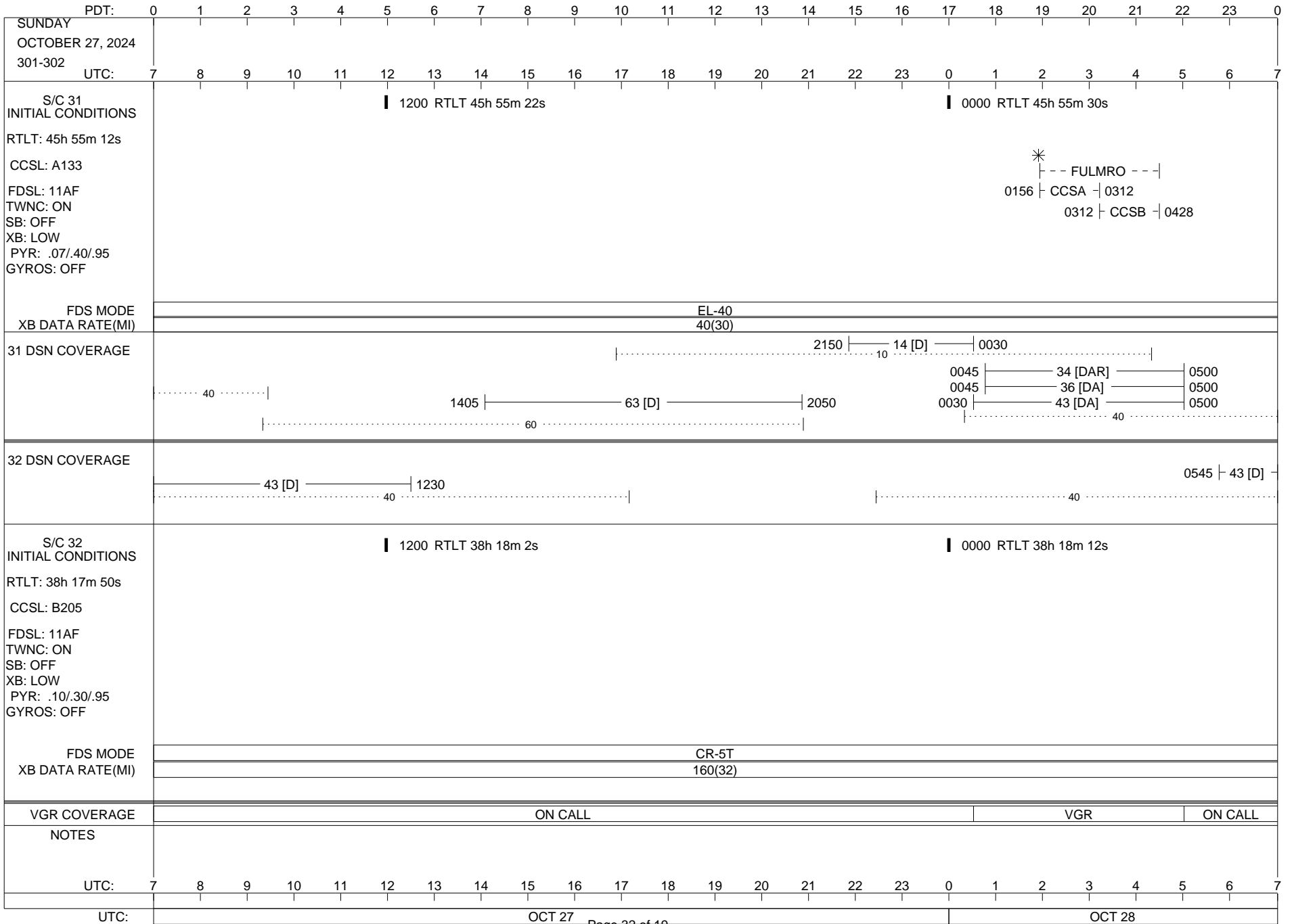
ISSUE DATE: 10/24/24 09:14

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FRIDAY OCTOBER 25, 2024 299-300																									
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 54m 34s CCSL: A133 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	| 1200 RTLT 45h 54m 42s												| 0000 RTLT 45h 54m 52s												
FDS MODE	EL-40												SB EL-40 CCS FULMRO (01:39) 0344▼												
XB DATA RATE(MI)	40(30)																								
31 DSN COVERAGE	0700 34 [DA] .....| 0700 36 [DAR] .....| 0700 43 [DA] .....| .....40.....|												1900 |-----14 [D]-----| 2305 .....|.....10.....| 0315 | 43 [H] | 0430 .....|.....40.....|												
32 DSN COVERAGE	0800 |-----43 [o]-----| 1410 .....|.....40.....|												2230 |-----43 [D]-----| 0155 .....|.....40.....| 0515-0700 | 43 [D] |-----												
S/C 32 INITIAL CONDITIONS RTLT: 38h 17m 6s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	| 1200 RTLT 38h 17m 18s												| 0000 RTLT 38h 17m 28s												
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:	OCT 25												OCT 26												

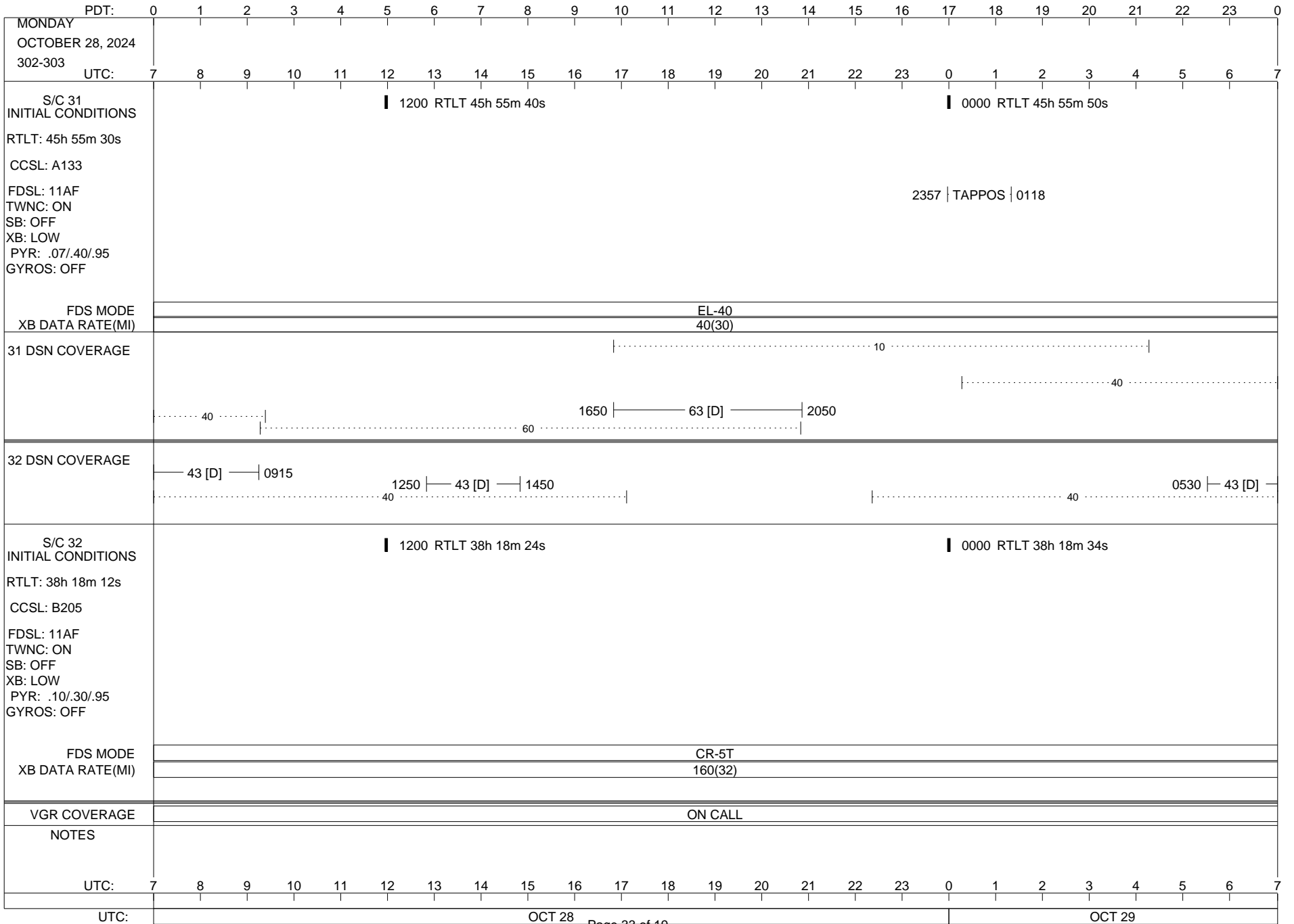
ISSUE DATE: 10/24/24 09:14

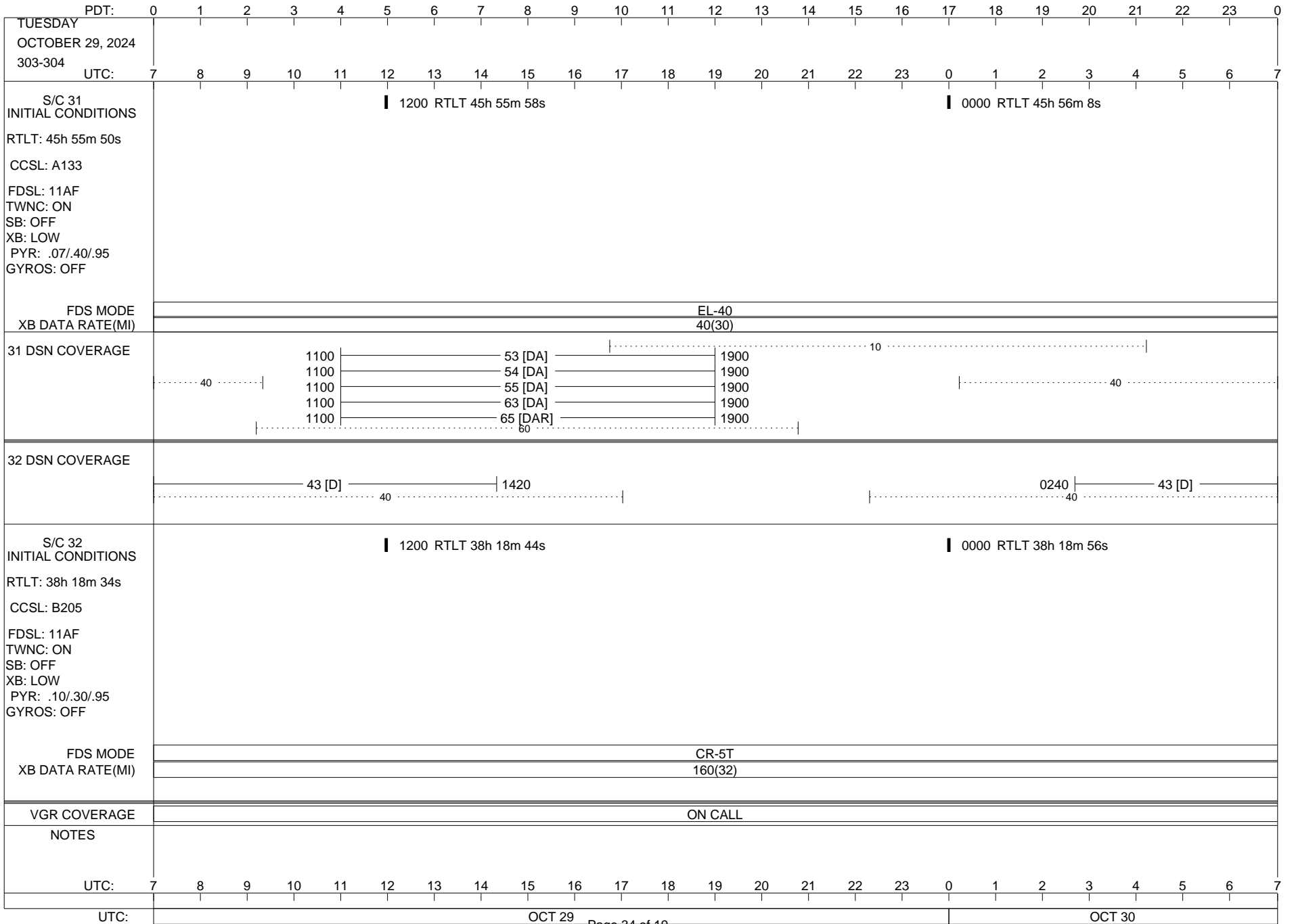


ISSUE DATE: 10/24/24 09:14

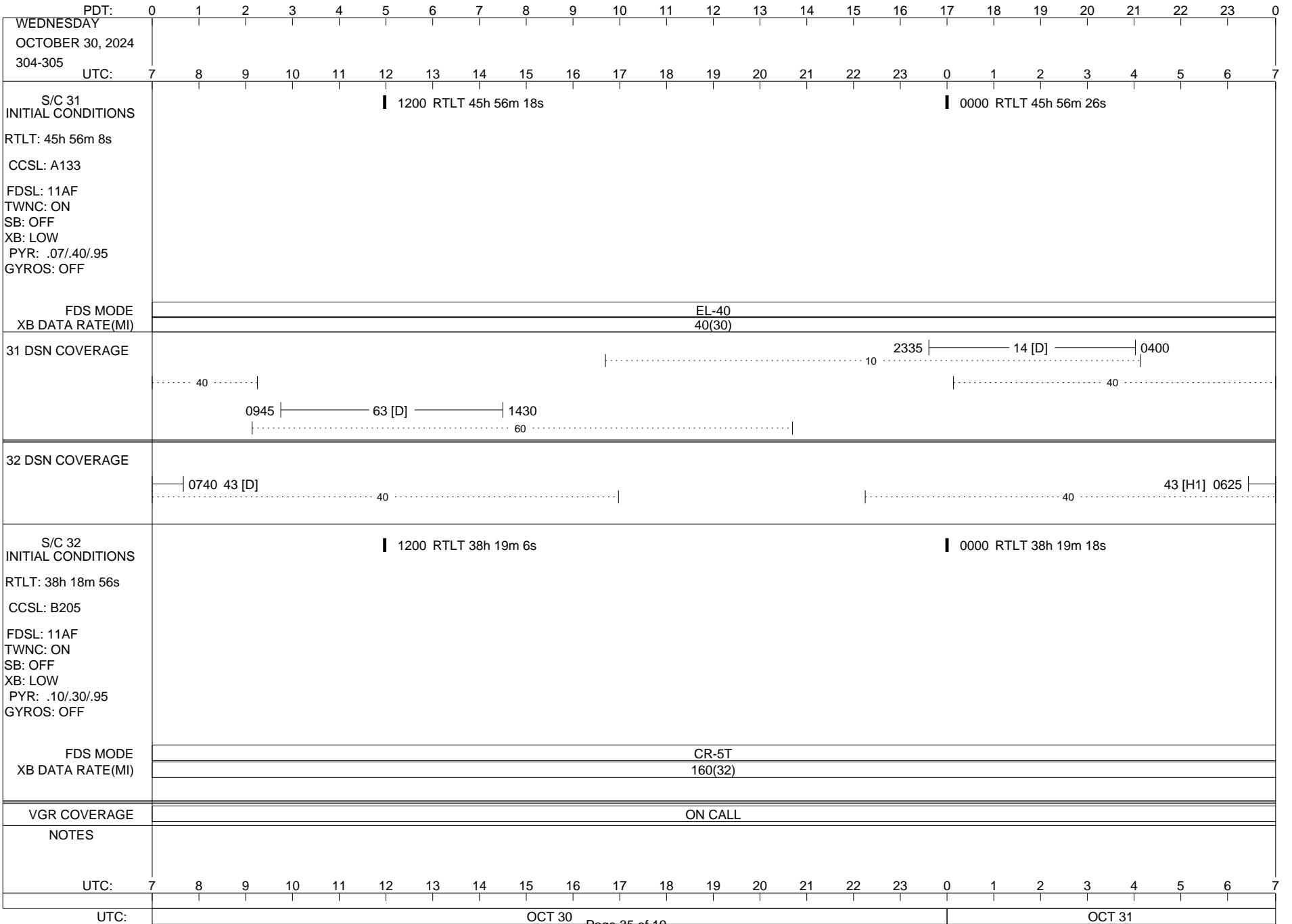


ISSUE DATE: 10/24/24 09:14

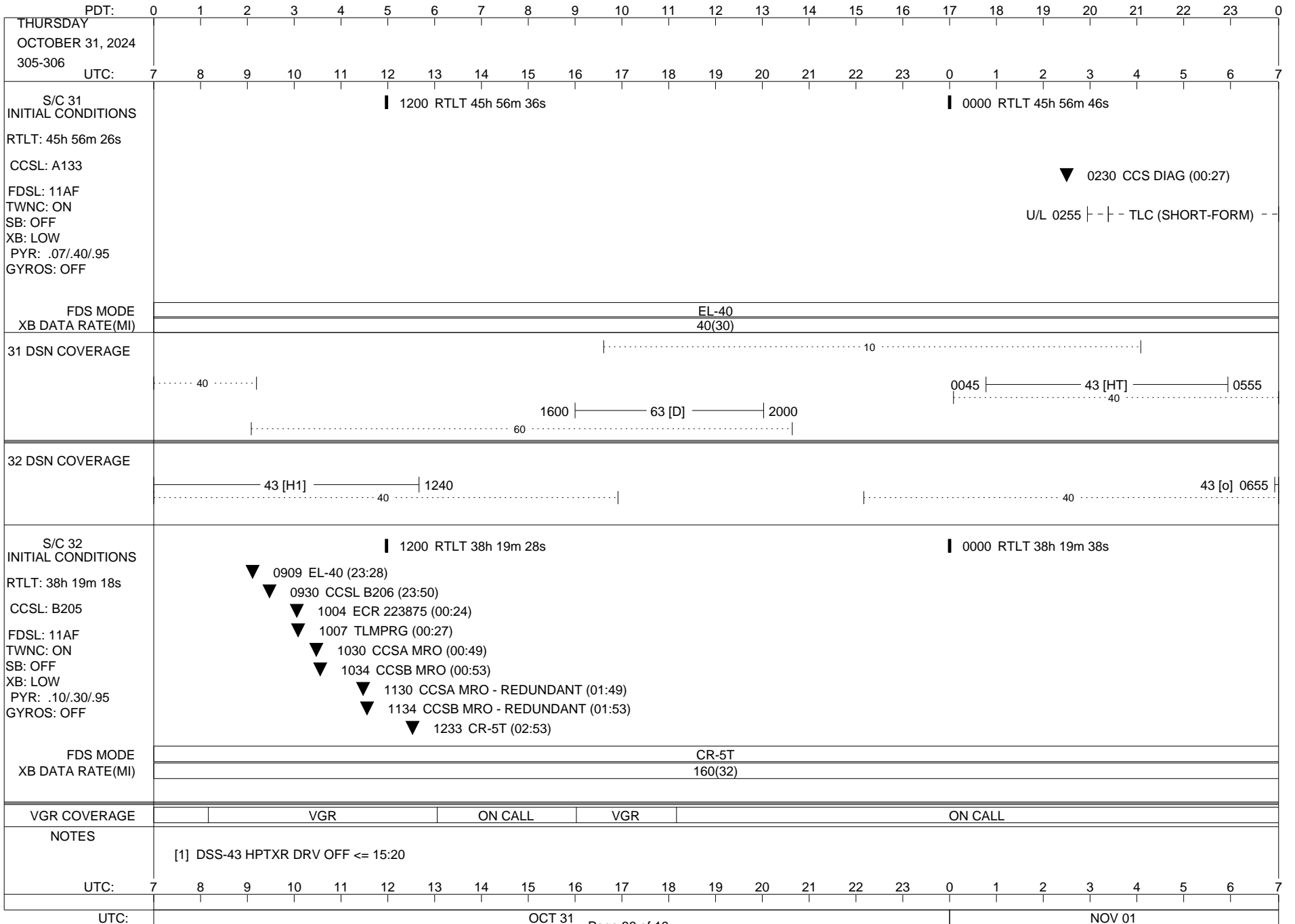


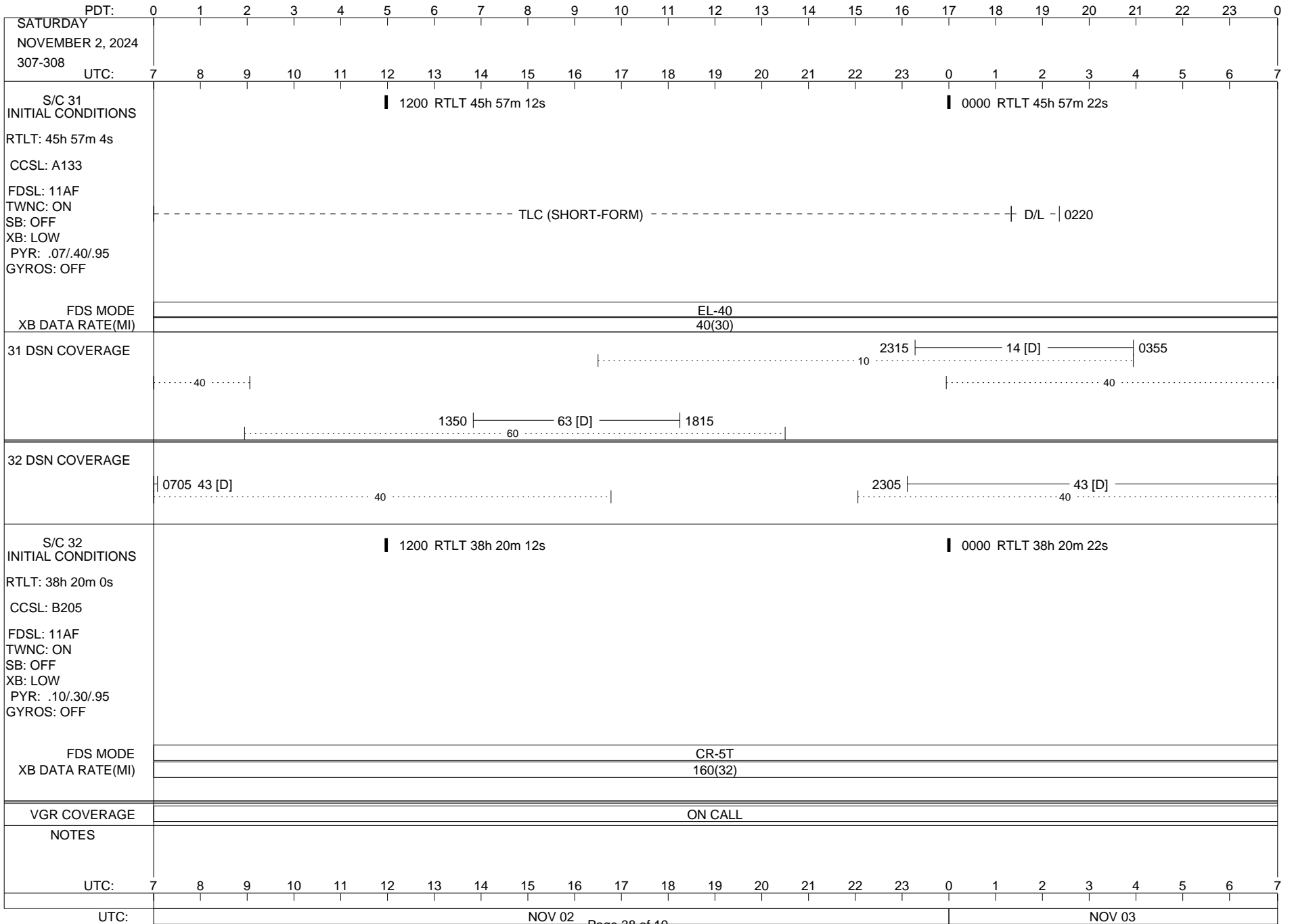


ISSUE DATE: 10/24/24 09:14



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ISSUE DATE: 10/24/24 09:14

PDT:	0	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
SUNDAY NOVEMBER 3, 2024 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
S/C 31 INITIAL CONDITIONS RTLT: 45h 57m 22s CCSL: A133 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	1200 RTLT 45h 57m 30s												0000 RTLT 45h 57m 38s											
FDS MODE XB DATA RATE(MI)	EL-40 40(30)																							
31 DSN COVERAGE	.....40.....|												.....10.....|											
	1145 |-----53 [DAR]-----| 2025												.....40.....|											
	1145 |-----63 [D]-----| 2025												.....60.....|											
32 DSN COVERAGE	|0715 43 [D].....|												.....2345 |-----43 [D]-----|											
S/C 32 INITIAL CONDITIONS RTLT: 38h 20m 22s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLT 38h 20m 32s												0000 RTLT 38h 20m 44s											
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
UTC:	NOV 03												NOV 04											

ISSUE DATE: 10/24/24 09:14

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 4, 2024 309-310	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 RTLT: 45h 57m 38s CCSL: A133 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF	1200 RTLT 45h 57m 48s											0000 RTLT 45h 57m 56s														
FDS MODE XB DATA RATE(MI)												EL-40 40(30)														
31 DSN COVERAGE	0850 |-----| 63 [D] |-----| 1730											0105 |-----| 14 [D] |-----| 0345														
32 DSN COVERAGE	0635 43 [D] |-----| 40 |-----|											0530 |-----| 43 [D] |-----| 40 |-----|														
S/C 32 INITIAL CONDITIONS RTLT: 38h 20m 44s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF	1200 RTLT 38h 20m 54s											0000 RTLT 38h 21m 4s														
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)														
VGR COVERAGE	ON CALL																									
NOTES																										
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 04															NOV 05										

ISSUE DATE: 10/24/24 09:14

TUESDAY 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

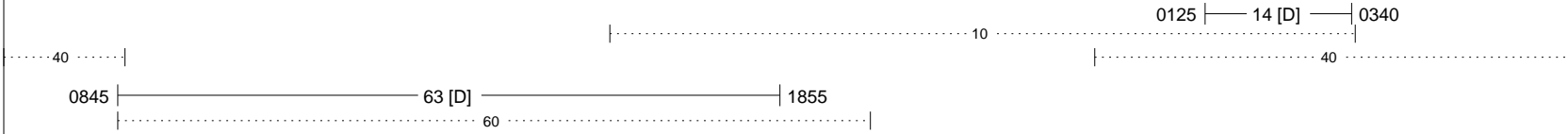
NOVEMBER 5, 2024
310-311 UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

S/C 31
INITIAL CONDITIONS
RTLTL: 45h 57m 56s
CCSL: A133
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .07/.40/.95
GYROS: OFF

1200 RTLT 45h 58m 6s 0000 RTLT 45h 58m 14s

FDS MODE EL-40
XB DATA RATE(MI) 40(30)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 38h 21m 4s
CCSL: B205
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.30/.95
GYROS: OFF

1200 RTLT 38h 21m 14s 0000 RTLT 38h 21m 26s

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 05 Page 41 of 19 NOV 06

ISSUE DATE: 10/24/24 09:14

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 6, 2024
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: 45h 58m 14s
CCSL: A133
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .07/.40/.95
GYROS: OFF

1200 RTLT 45h 58m 22s

0000 RTLT 45h 58m 30s

FDS MODE
XB DATA RATE(MI) EL-40
40(30)

31 DSN COVERAGE
1720 |-----| 14 [D] |-----| 0340
..... 40
|-----| 60 |-----|
|-----| 4005 |-----| 43 [D] |-----|
..... 40

32 DSN COVERAGE
43 [D] |-----| 0950
..... 40
|-----| 40 |-----|

S/C 32
INITIAL CONDITIONS
RTLT: 38h 21m 26s
CCSL: B205
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .10/.30/.95
GYROS: OFF

1200 RTLT 38h 21m 36s

0000 RTLT 38h 21m 46s

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 06 Page 42 of 19 NOV 07

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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 RTLT: 45h 58m 30s CCSL: A133 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .07/.40/.95 GYROS: OFF						1200 RTLT 45h 58m 40s																			
FDS MODE	EL-40																								
XB DATA RATE(MI)	40(30)																								
31 DSN COVERAGE	|.....| 10																								
	43 [D]	0830																			0020	43 [H]	0520		
	40					60															40				
32 DSN COVERAGE	|.....| 40																								
	0945					43 [H1]		1455																43 [o]	0620
						40															40				
S/C 32 INITIAL CONDITIONS RTLT: 38h 21m 46s CCSL: B205 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .10/.30/.95 GYROS: OFF						1200 RTLT 38h 21m 56s																			
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] B206 BACKUP U/L WINDOW																								
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: 10/24/24 09:14

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: A133
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 EL-40
XB DATA RATE(MI) 40(30)

31 DSN COVERAGE
.....|.....10.....|
.....40.....|.....40.....|
.....1205.....|.....63 [D].....|.....2005.....|
.....|.....60.....|.....|

32 DSN COVERAGE
.....43 [o].....|.....1155.....|.....0045.....|.....43 [D].....|.....0500.....|
.....40.....|.....40.....|

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

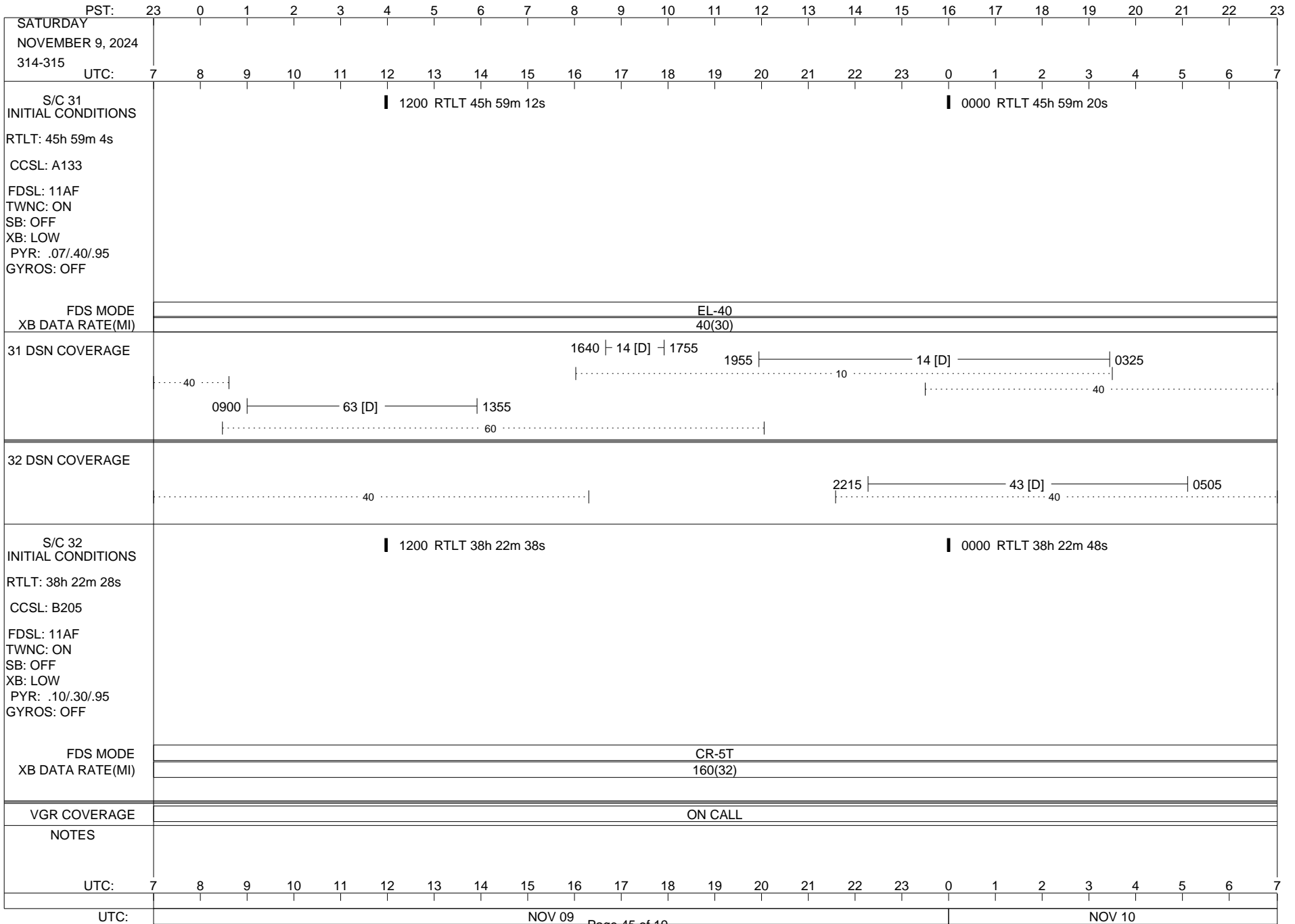
VGR COVERAGE ON CALL

NOTES

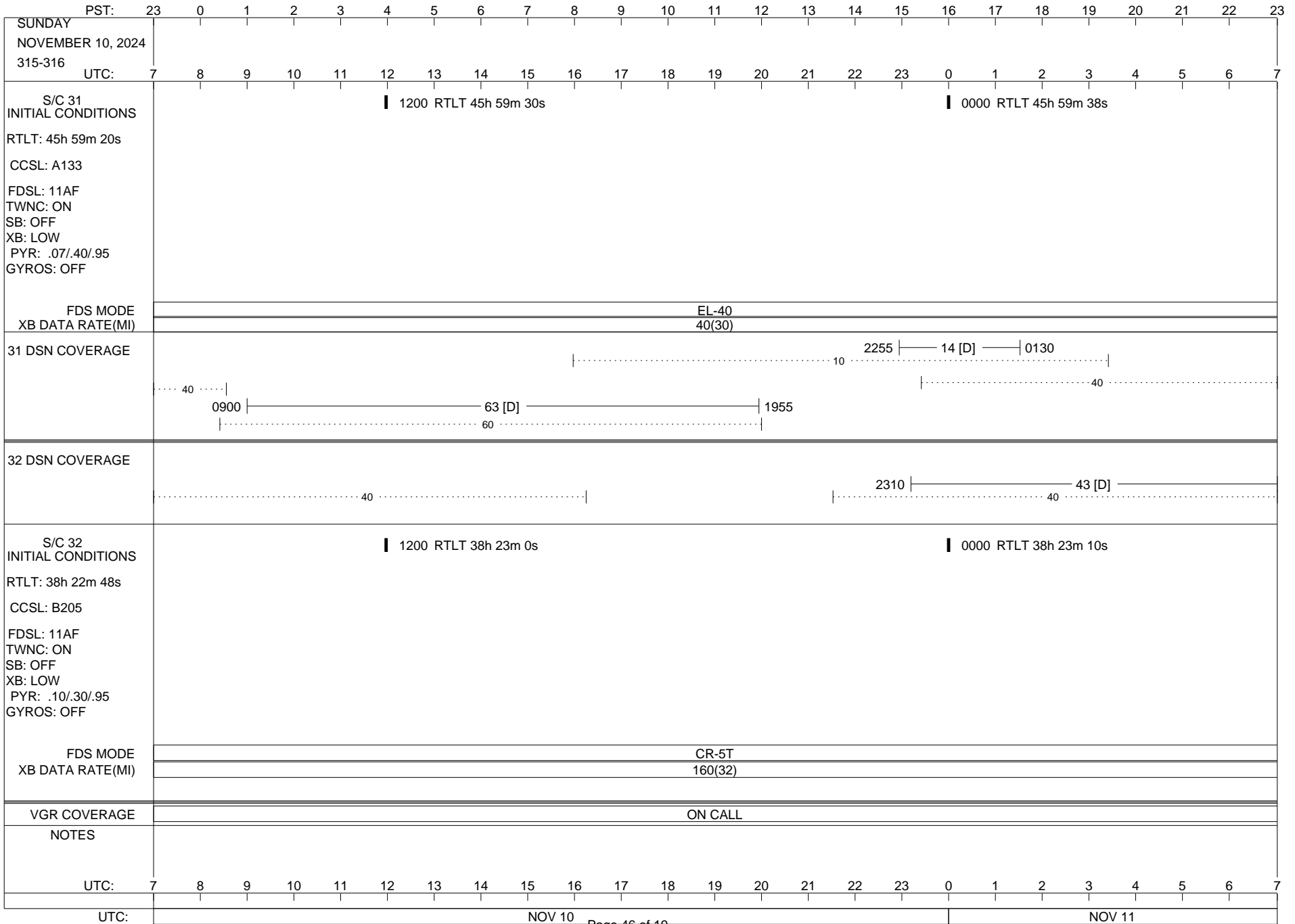
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UTC: NOV 08 Page 44 of 19 NOV 09

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ISSUE DATE: 10/24/24 09:14



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													1200 RTLT 45h 59m 46s																0000 RTLT 45h 59m 54s					
INITIAL CONDITIONS																																		
RTLT: 45h 59m 38s																																		
CCSL: A133																																		
FDSL: 11AF																																		
TWNC: ON																																		
SB: OFF																																		
XB: LOW																																		
PYR: .07/.40/.95																																		
GYROS: OFF																																		
FDS MODE													EL-40																					
XB DATA RATE(MI)													40(30)																					
31 DSN COVERAGE		<div style="display: flex; justify-content: space-between;"> 40 10 </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> 40 40 </div> <div style="display: flex; justify-content: center; margin-top: 10px;"> 1205 |----- 63 [D] -----| 1830 </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> 60 </div>																																
32 DSN COVERAGE		<div style="display: flex; justify-content: space-between;"> 40 </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> 40 </div> <div style="display: flex; justify-content: center; margin-top: 10px;"> 43 [D] |----- 0910 </div>																																
S/C 32													1200 RTLT 38h 23m 20s																0000 RTLT 38h 23m 30s					
INITIAL CONDITIONS																																		
RTLT: 38h 23m 10s																																		
CCSL: B205																																		
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 11											Page 47 of 19						NOV 12															