

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 18, 2023

For the Period: 10/19/23 to 11/06/23 (23/292 – 23/310)

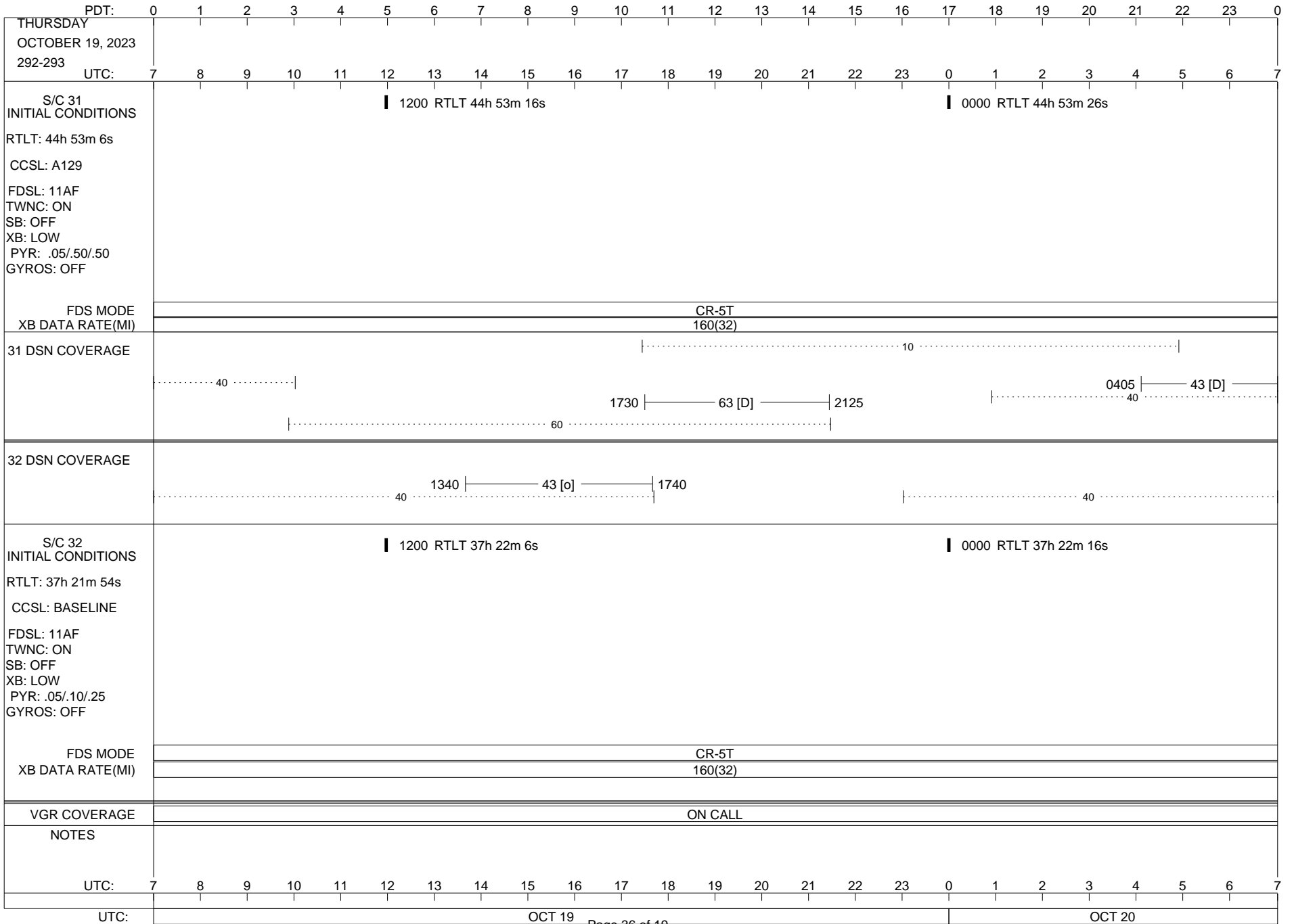


Posted at <https://voyager.jpl.nasa.gov/mission/status/>

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: 10/24/23 12:52

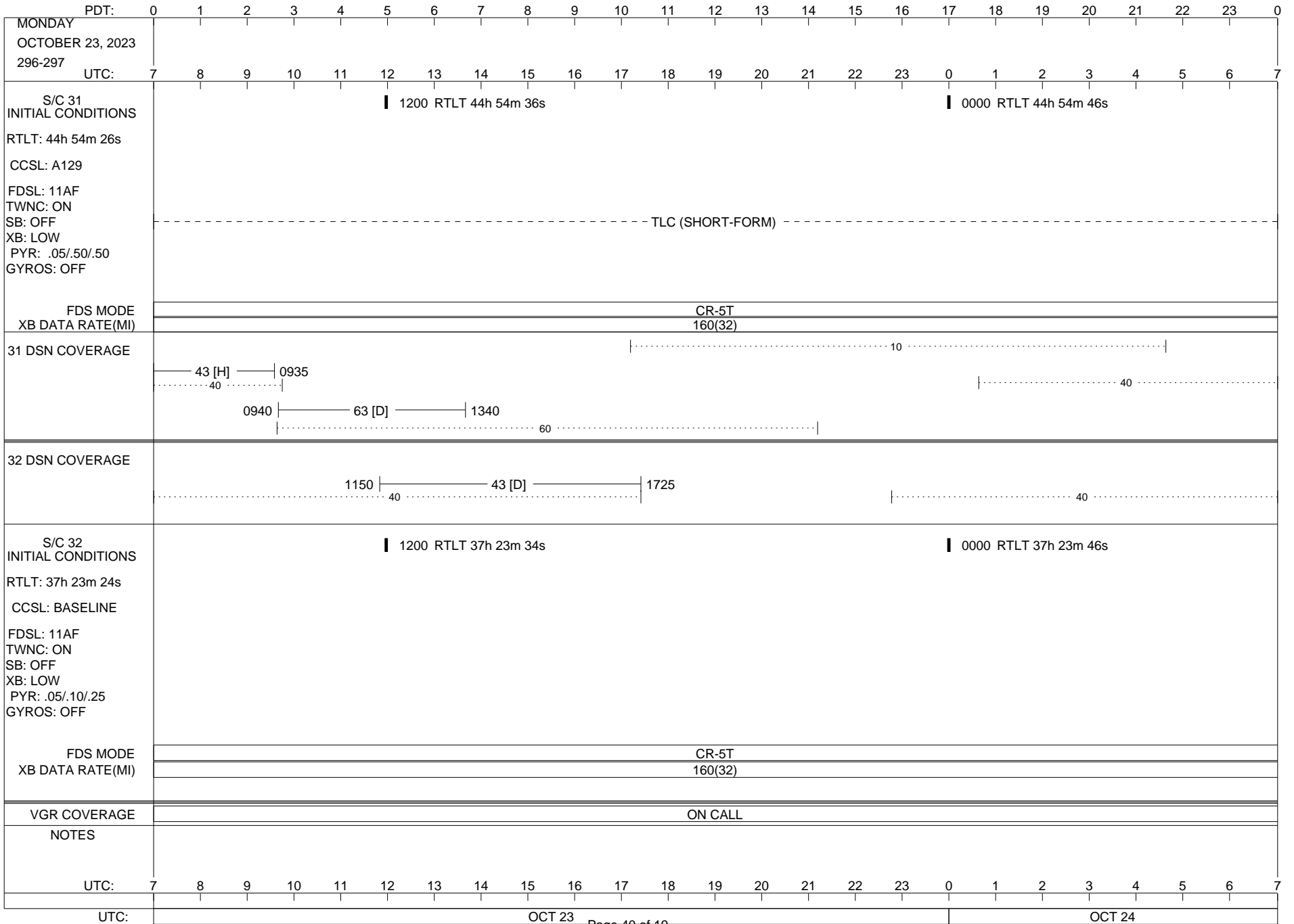


ISSUE DATE: 10/24/23 12:52

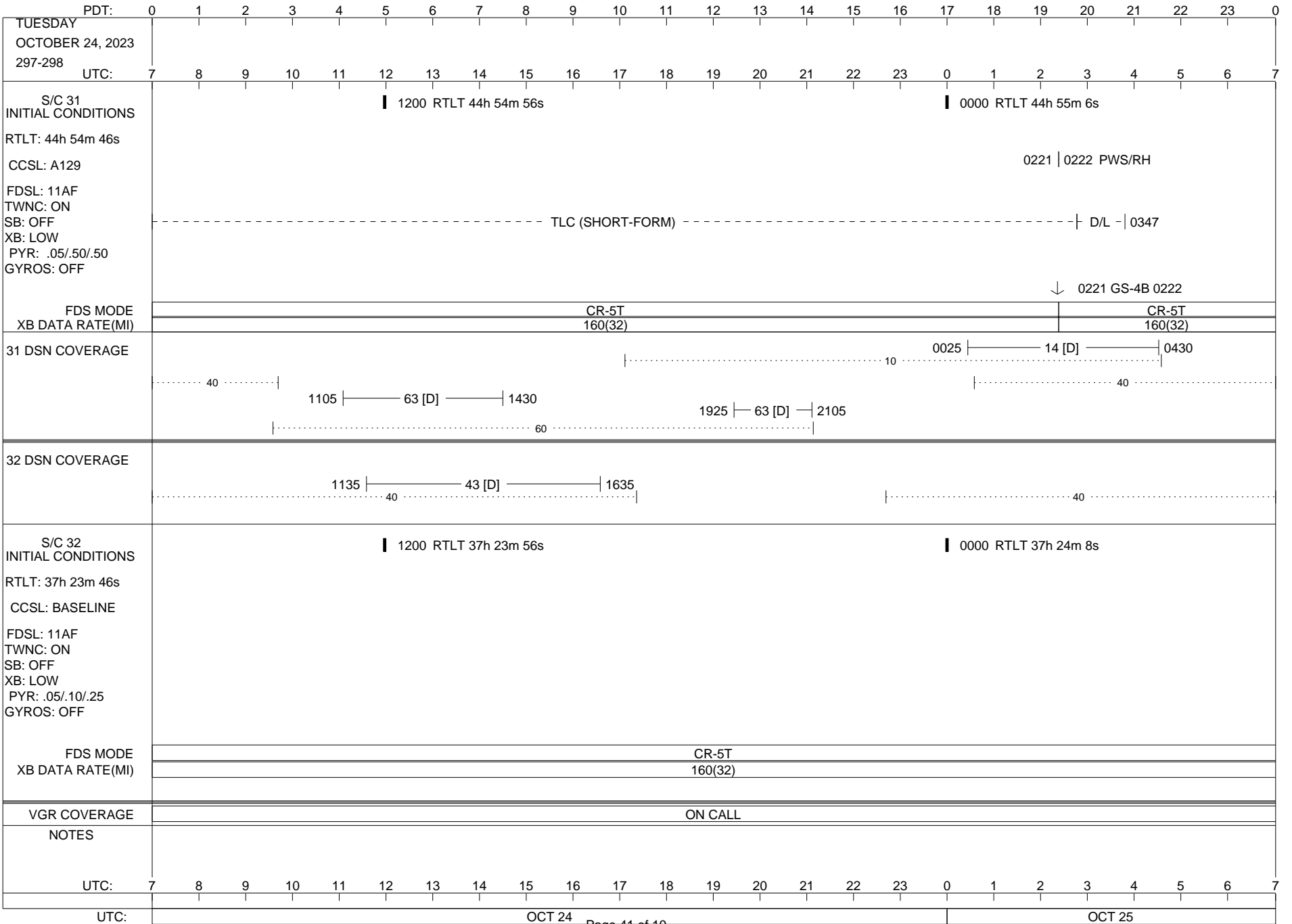
PDT:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
FRIDAY																													
OCTOBER 20, 2023																													
293-294 UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS		1200 RTLT 44h 53m 36s												0000 RTLT 44h 53m 46s															
RTLT: 44h 53m 26s																													
CCSL: A129																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.50/.50																													
GYROS: OFF																													
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
31 DSN COVERAGE		<p>Timeline for 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> 0835 - 0915: 43 [D] (duration 40) 1315 - 1415: 63 [D] (duration 60) 1500 - 1600: 40 (duration 60) 2355 - 0015: 14 [D] (duration 10) 0450 - 0550: 40 (duration 40) 																											
32 DSN COVERAGE		<p>Timeline for 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> 1410 - 1510: 43 [D] (duration 40) 1735 - 1835: 40 (duration 40) 2315 - 0015: 43 [H1o] (duration 40) 0550 - 0650: 40 (duration 40) 																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 37h 22m 28s												0000 RTLT 37h 22m 38s															
RTLT: 37h 22m 16s																													
CCSL: BASELINE																													
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 HPTXR ON >= 00:30																											
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 20														OCT 21													

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 21, 2023 294-295																										
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: 44h 53m 46s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.50/.50 GYROS: OFF	1200 RTLT 44h 53m 56s												0000 RTLT 44h 54m 6s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE40.....											10.....0035 -----14 [D]----- 0445													
	-----60-----												-----40-----													
32 DSN COVERAGE40.....1335 -----43 [D]----- 1735												-----40-----													
S/C 32 INITIAL CONDITIONS RTLT: 37h 22m 38s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 22m 50s												0000 RTLT 37h 23m 0s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												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 21												OCT 22													

ISSUE DATE: 10/24/23 12:52



ISSUE DATE: 10/24/23 12:52



ISSUE DATE: 10/24/23 12:52

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

WEDNESDAY
OCTOBER 25, 2023

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
RTLTL: 44h 55m 6s
CCSL: A129
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.50/.50
GYROS: OFF

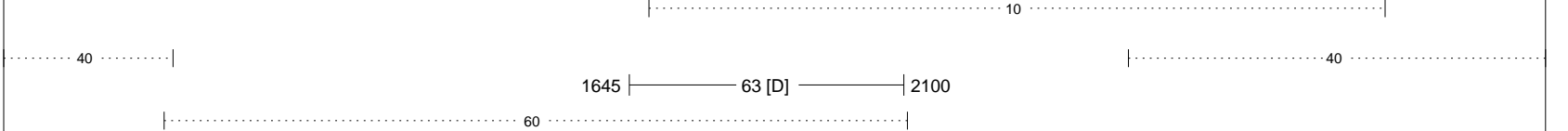
1200 RTLT 44h 55m 16s 0000 RTLT 44h 55m 26s

1614 |-----| 1725 TAPPOS

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 37h 24m 8s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 24m 18s 0000 RTLT 37h 24m 30s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

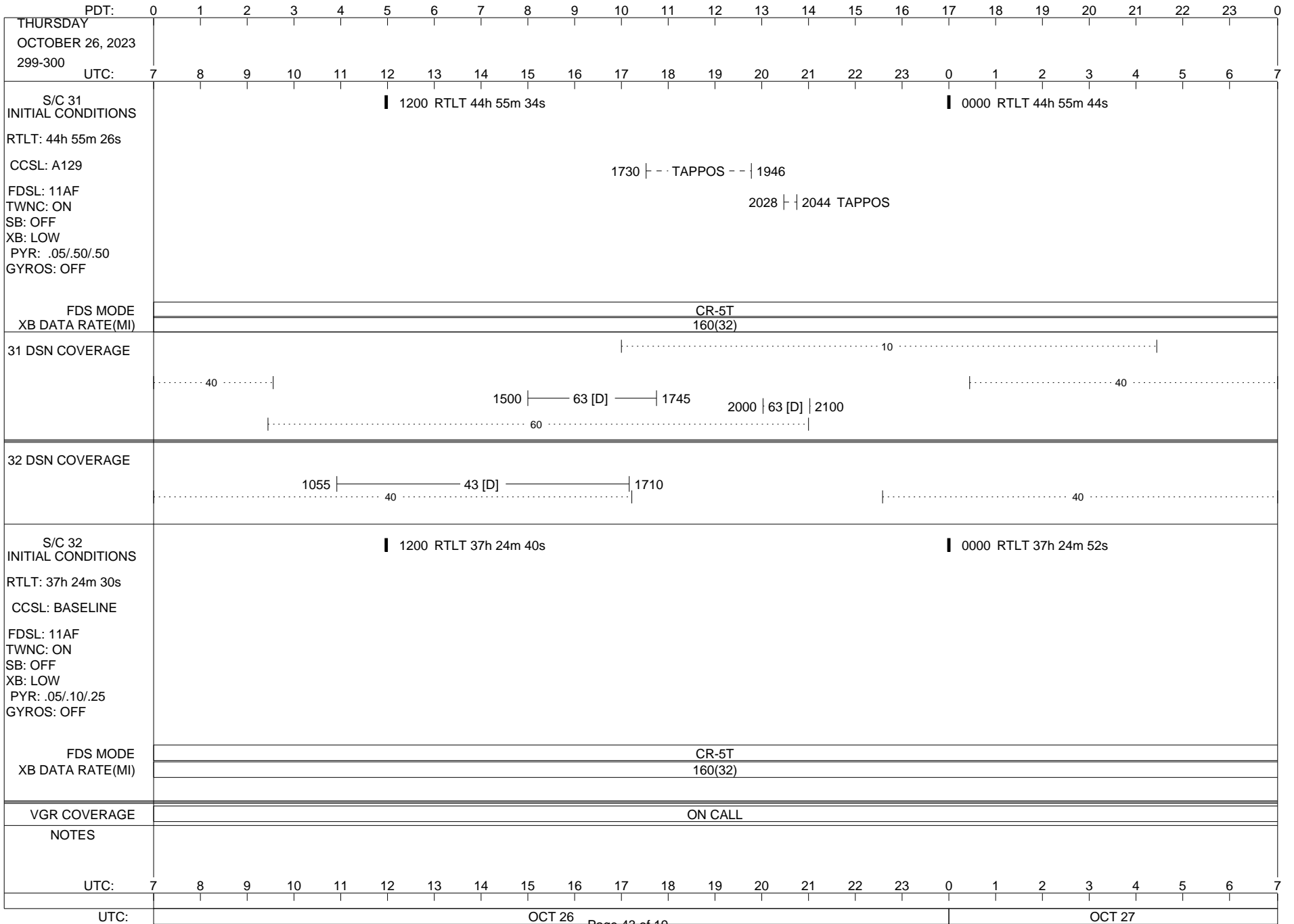
ON CALL

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

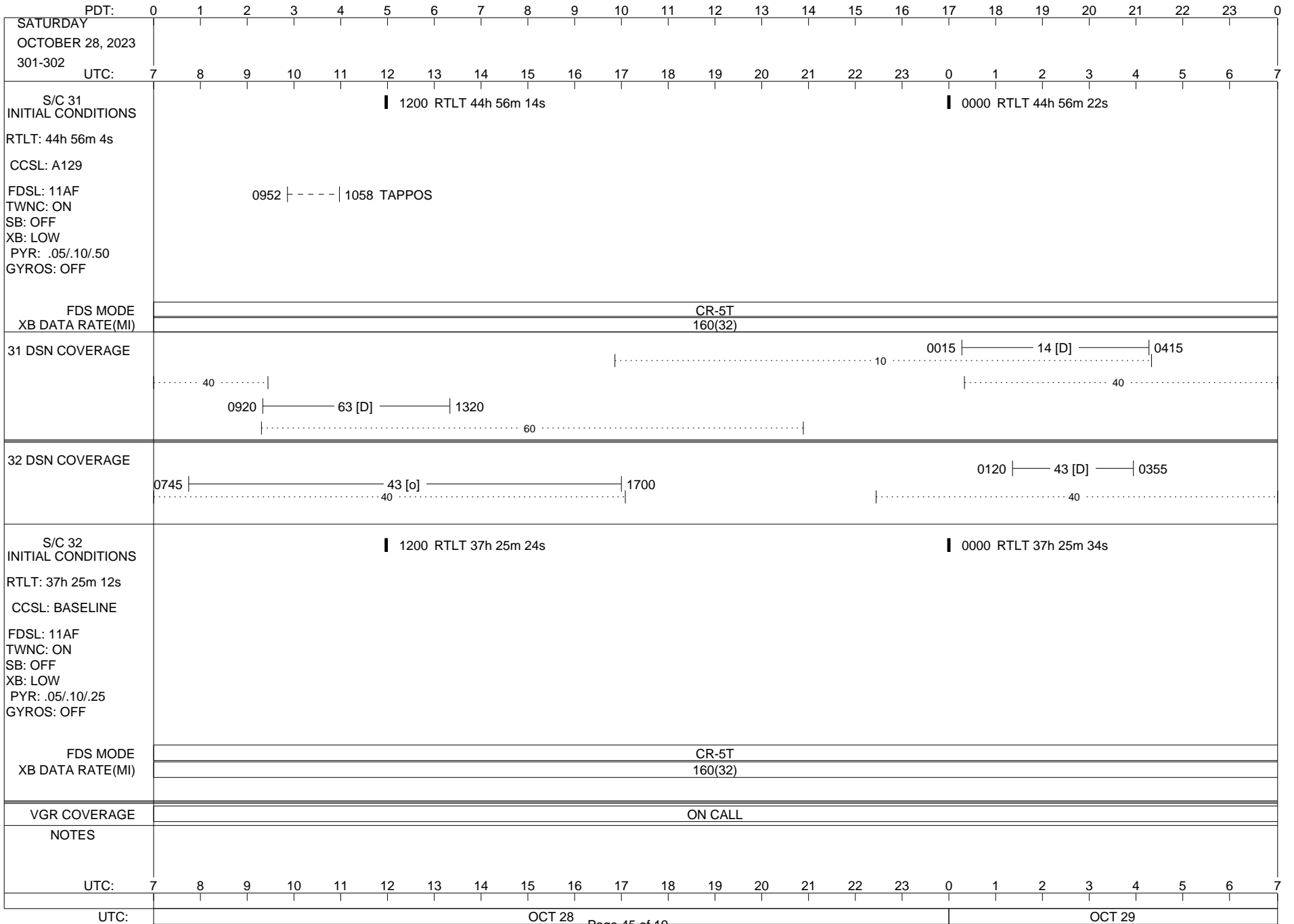
UTC: OCT 25 Page 42 of 19 OCT 26

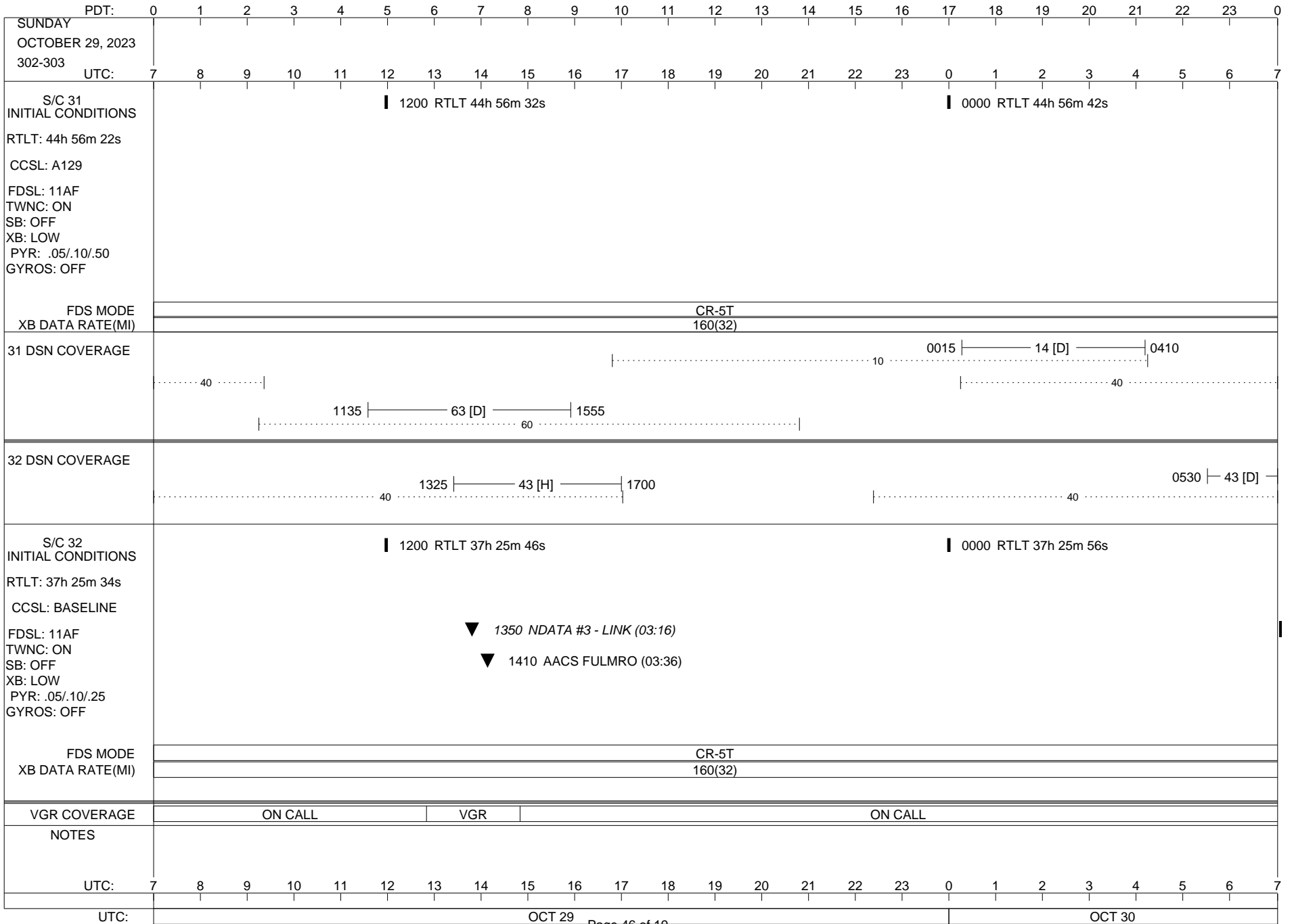
ISSUE DATE: 10/24/23 12:52



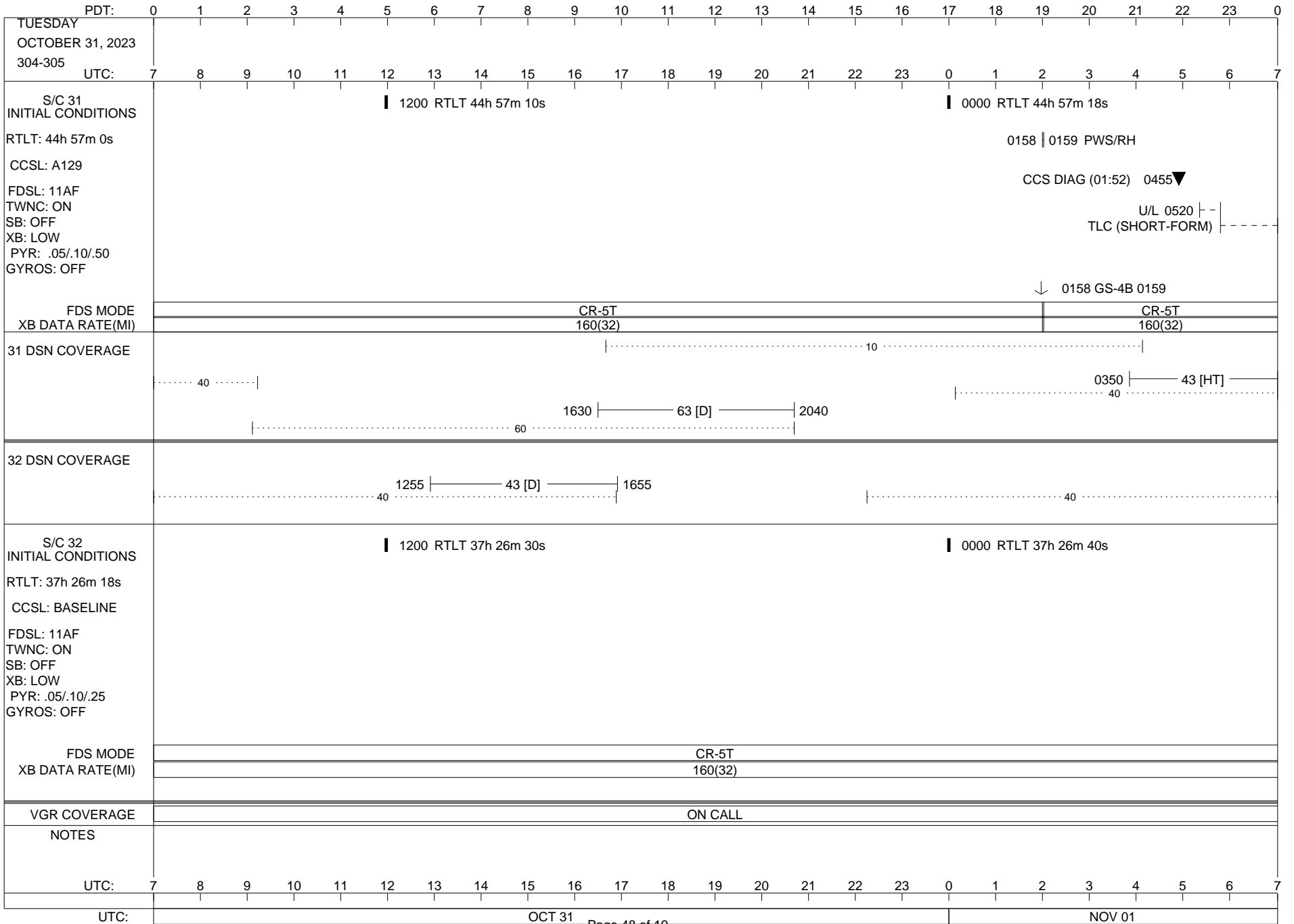
ISSUE DATE: 10/24/23 12:52

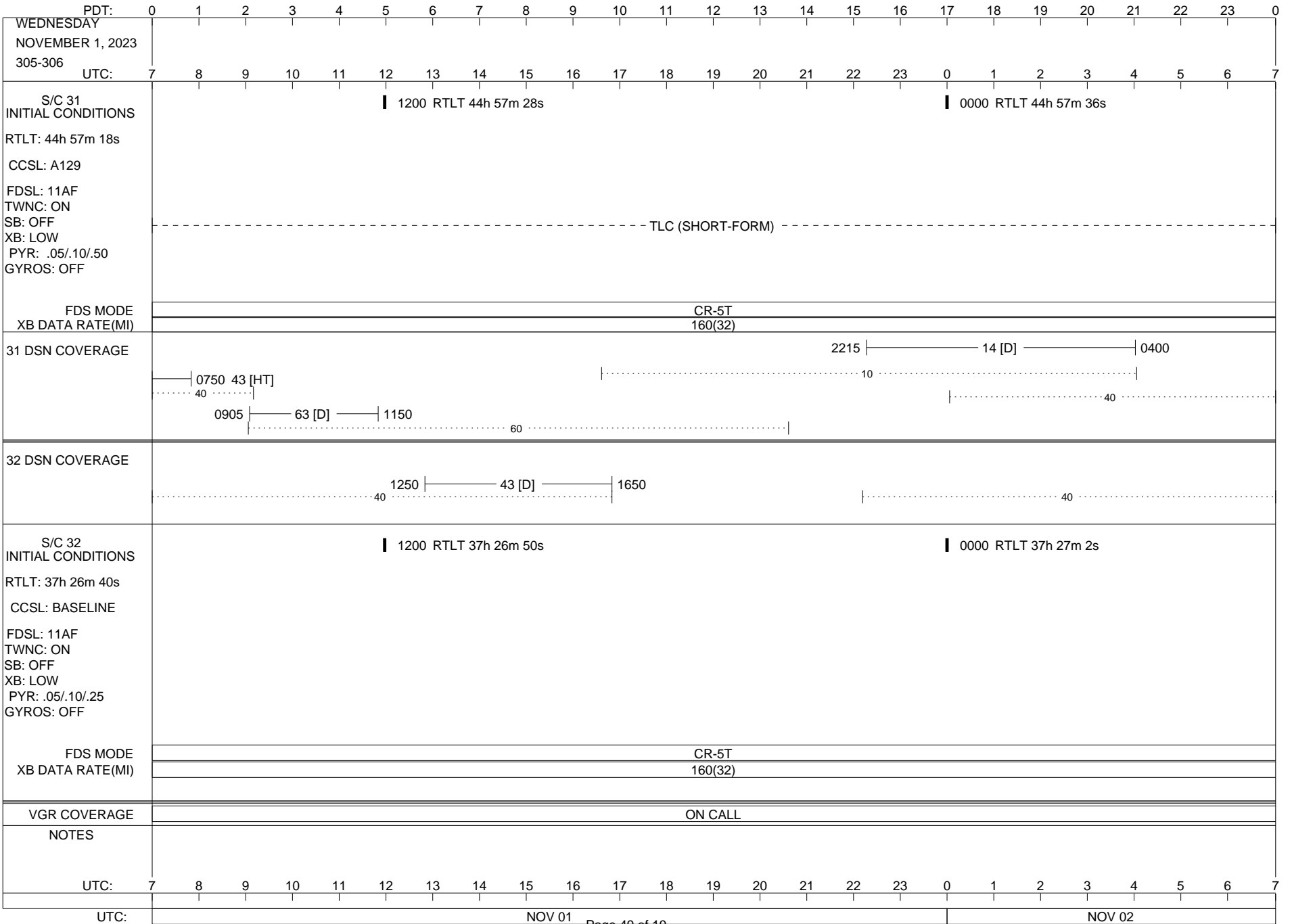
PDT:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
FRIDAY OCTOBER 27, 2023 300-301																													
S/C 31 INITIAL CONDITIONS RTLT: 44h 55m 44s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.50/.50 GYROS: OFF		█ 1200 RTLT 44h 55m 54s												█ 0000 RTLT 44h 56m 4s															
		↓ 1158 YAW=.05 ↓ 1214 BAY 1 HTR OFF ↓ 1218 X-BAND HIGH POWER 1236 ----- PLAYBACK ----- 1912 ↓ 1923 YAW=.10 ↓ 1925 X-BAND LOW POWER ↓ 1929 BAY 1 HTR ON																											
		PB-14 1236↓												↓ 1912 CR-5T															
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)						PB-14 1.4K(39)						CR-5T 160(32)															
31 DSN COVERAGE		1140 ----- 53 [DA] ----- 1940 1140 ----- 54 [DA] ----- 1940 1140 ----- 55 [DA] ----- 1940 1140 ----- 56 [DAR] ----- 1940 1140 ----- 63 [DA] ----- 1940 ----- 60 -----												----- 40 -----															
32 DSN COVERAGE		1040 ----- 43 [D] ----- 1710 ----- 40 -----												----- 40 -----															
S/C 32 INITIAL CONDITIONS RTLT: 37h 24m 52s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		█ 1200 RTLT 37h 25m 2s												█ 0000 RTLT 37h 25m 12s															
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:		OCT 27												OCT 28															

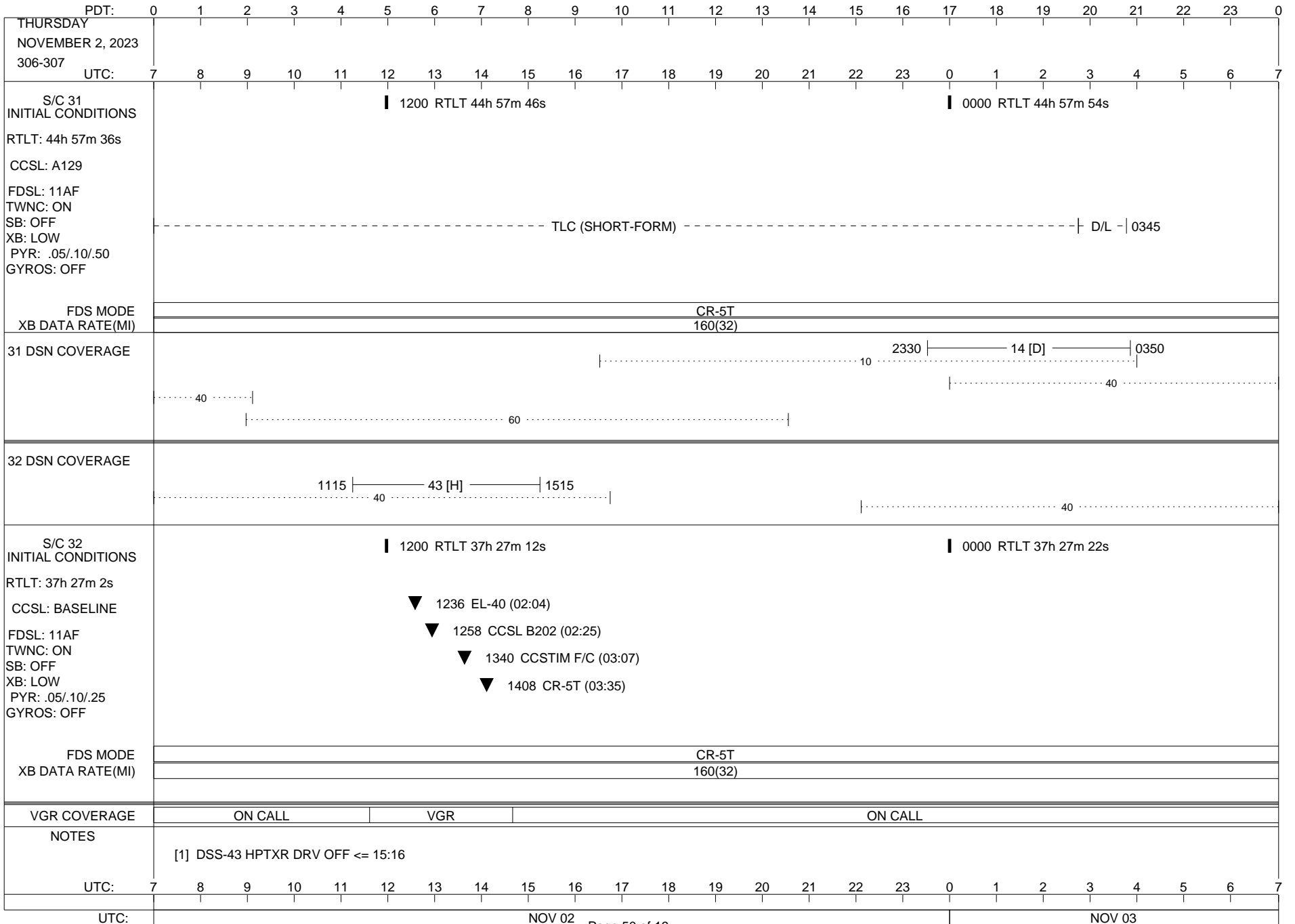




PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
MONDAY OCTOBER 30, 2023 303-304																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 44h 56m 42s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/50 GYROS: OFF	1200 RTLT 44h 56m 50s												0000 RTLT 44h 57m 0s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	-----40-----												-----40-----												
	-----60-----												-----60-----												
	1645 -----63 [D]----- 2045																								
32 DSN COVERAGE	-----40-----												-----40-----												
	-----40-----												-----40-----												
	-----40-----												-----40-----												
S/C 32 INITIAL CONDITIONS RTLT: 37h 25m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 37h 26m 8s												0000 RTLT 37h 26m 18s												
													NDATA #3 - LINK 0317↓												
													AACS FULMRO 0353 ----- 0537												
													EL-40 0337↓ CR-5T 0537↓												
FDS MODE	CR-5T												EL-40						CR-5T						
XB DATA RATE(MI)	160(32)												40(30)						160(32)						
VGR COVERAGE	ON CALL												VGR												
NOTES	[1] SC 32=EL-40 @ 0337 XB=40(30) [2] SC 32=CR-5T @ 0537 XB=160(32)																								
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 30												OCT 31												







		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
FRIDAY NOVEMBER 3, 2023 307-308		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: 44h 57m 54s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.50 GYROS: OFF		1200 RTLT 44h 58m 4s											0000 RTLT 44h 58m 12s														
FDS MODE		CR-5T																									
XB DATA RATE(MI)		160(32)																									
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 37h 27m 22s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 37h 27m 34s											0000 RTLT 37h 27m 44s														
													* 0232 0236 B202 CHKSUM * 0308 0315 CCSTIM FINE 0326 0329 COARSE * EL-40 0205 ↓ * ↓ 0336 CR-5T														
FDS MODE		CR-5T											EL-40				CR-5T										
XB DATA RATE(MI)		160(32)											40(30)				160(32)										
VGR COVERAGE		ON CALL											VGR				ON CALL										
NOTES		[1] SC 32=EL-40 @ 0205 XB=40(30) [2] SC 32=CR-5T @ 0336 XB=160(32)																									
		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 03											NOV 04													

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 NOVEMBER 4, 2023 308-309	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:	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: 44h 58m 12s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/50 GYROS: OFF	1200 RTLT 44h 58m 22s												0000 RTLT 44h 58m 30s														
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																										
31 DSN COVERAGE	0855 ----- 63 [D] ----- 1330 40 60												2225 ----- 14 [DA] ----- 0225 2225 ----- 25 [DAR] ----- 0225 10 40														
32 DSN COVERAGE	1205 ----- 43 [D] ----- 1500 40 40																										
S/C 32 INITIAL CONDITIONS RTLT: 37h 27m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 37h 27m 54s												0000 RTLT 37h 28m 6s														
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 04																NOV 05										

ISSUE DATE: 10/24/23 12:52

PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
SUNDAY NOVEMBER 5, 2023 309-310																									
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: 44h 58m 30s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.50 GYROS: OFF						1200 RTLT 44h 58m 40s																			
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 37h 28m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200 RTLT 37h 28m 16s																			
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	
UTC:																									

ROLL +/- 0.5 DEG DEADBAND (14:19) 0050▼

YAW +/- 0.3 DEG DEADBAND (14:41) 0112▼

[1] DSS-43 HPTXR DRV ON >= 23:25

NOV 05

NOV 06

ISSUE DATE: 10/24/23 12:52

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 6, 2023 310-311	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: 44h 58m 48s CCSL: A129 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/50 GYROS: OFF	1200 RTLT 44h 58m 56s											0000 RTLT 44h 59m 4s														
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)														
31 DSN COVERAGE	1045 ----- 63 [D] ----- 1455											0530 ----- 43 [D] -----														
32 DSN COVERAGE	0630 43 [H1]											1305 ----- 43 [D] ----- 1525														
S/C 32 INITIAL CONDITIONS RTLT: 37h 28m 26s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 37h 28m 38s											0000 RTLT 37h 28m 48s														
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 06															NOV 07										