

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: August 23, 2023

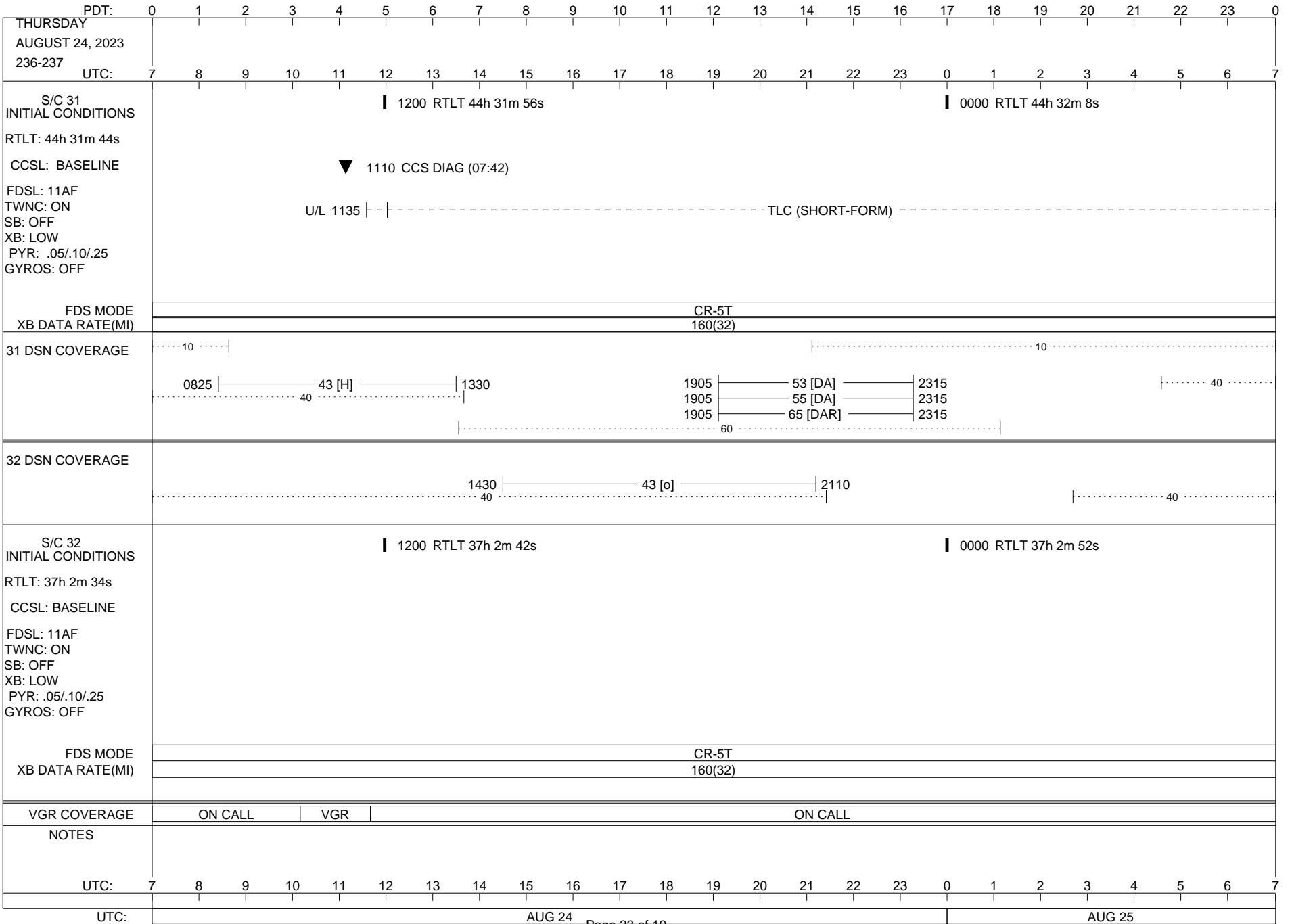
For the Period: 08/24/23 to 09/11/23 (23/236 – 23/254)

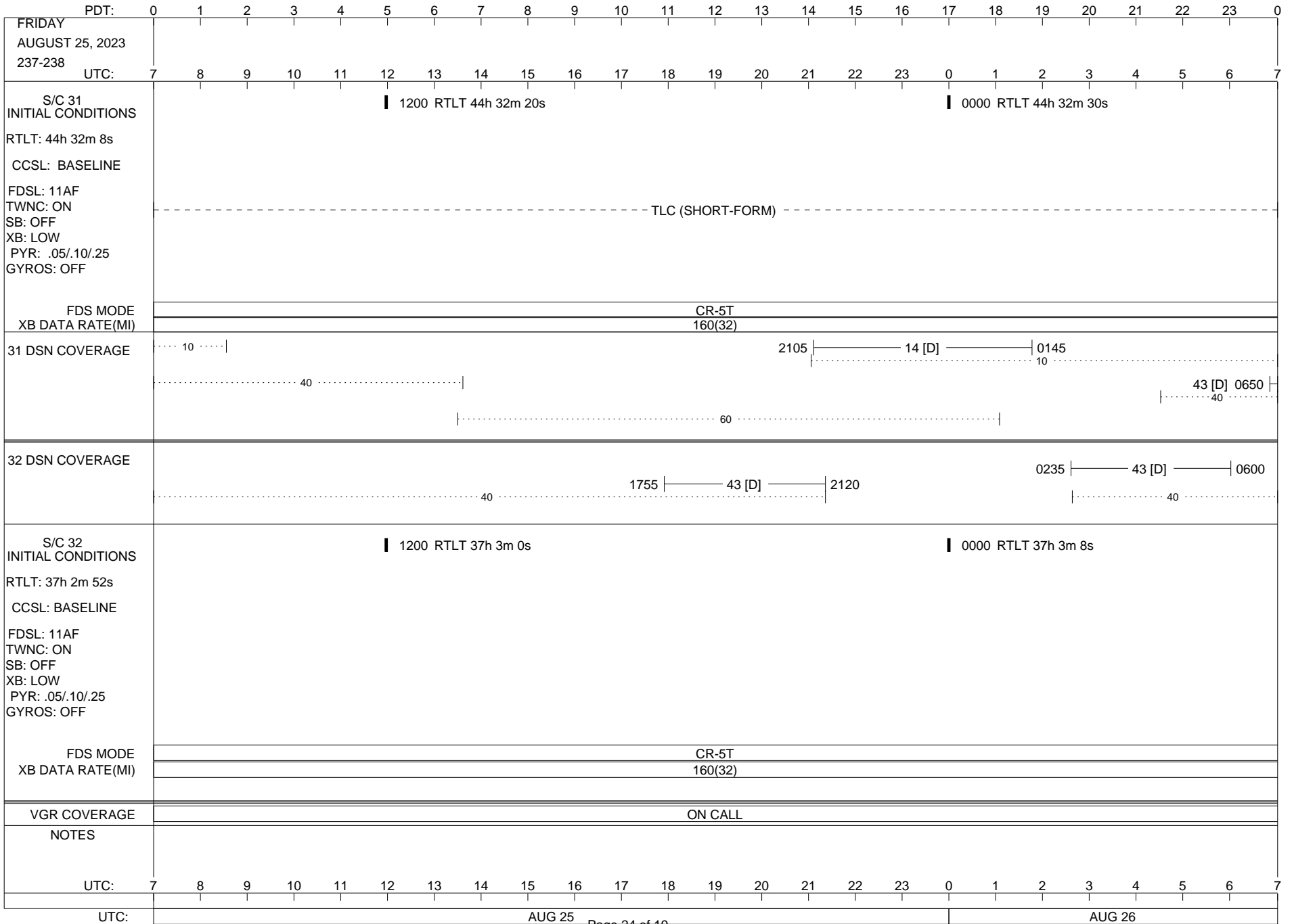


Posted at <https://voyager.jpl.nasa.gov/mission/status/>

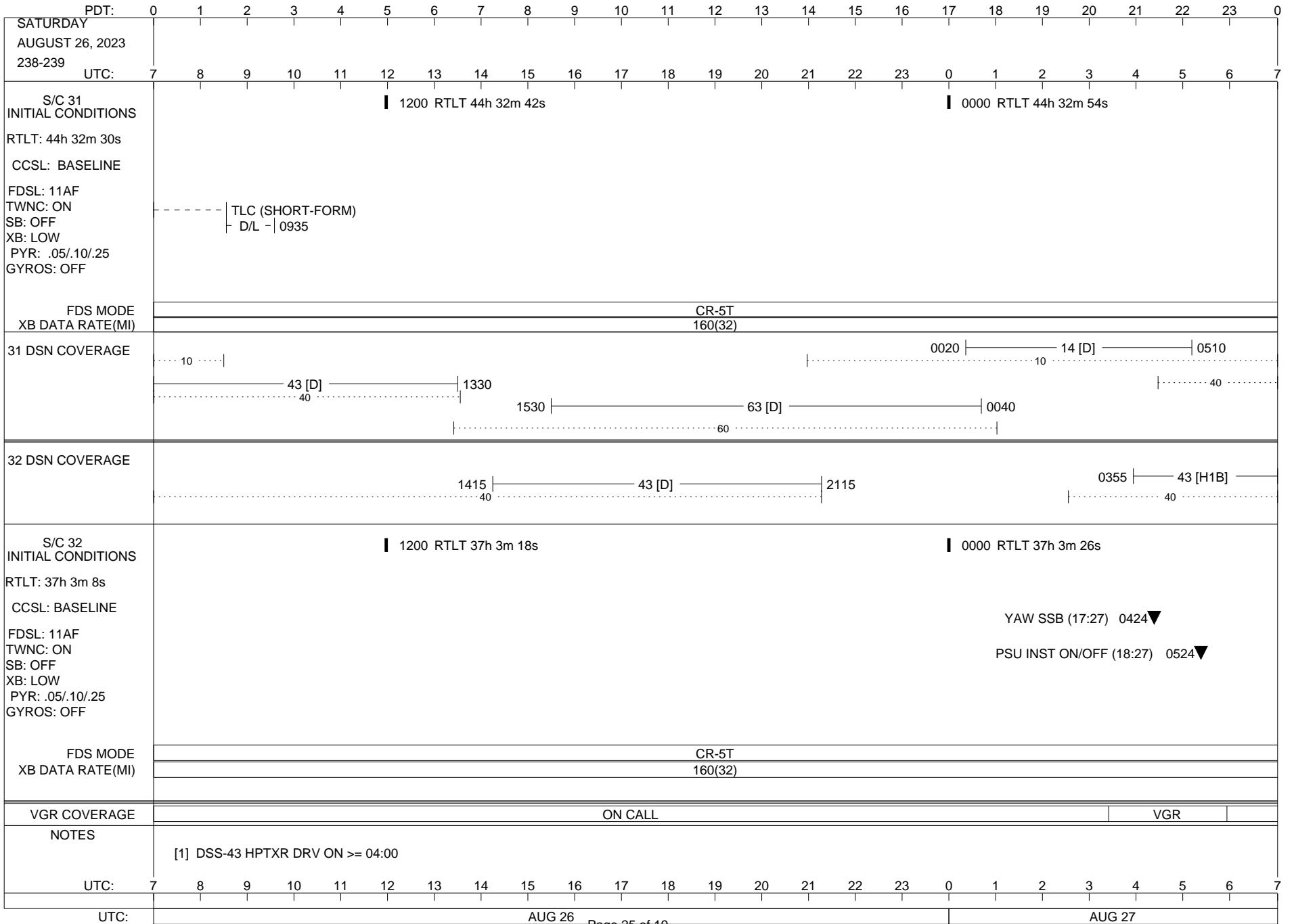
**LEGEND:**

- ▽ = 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

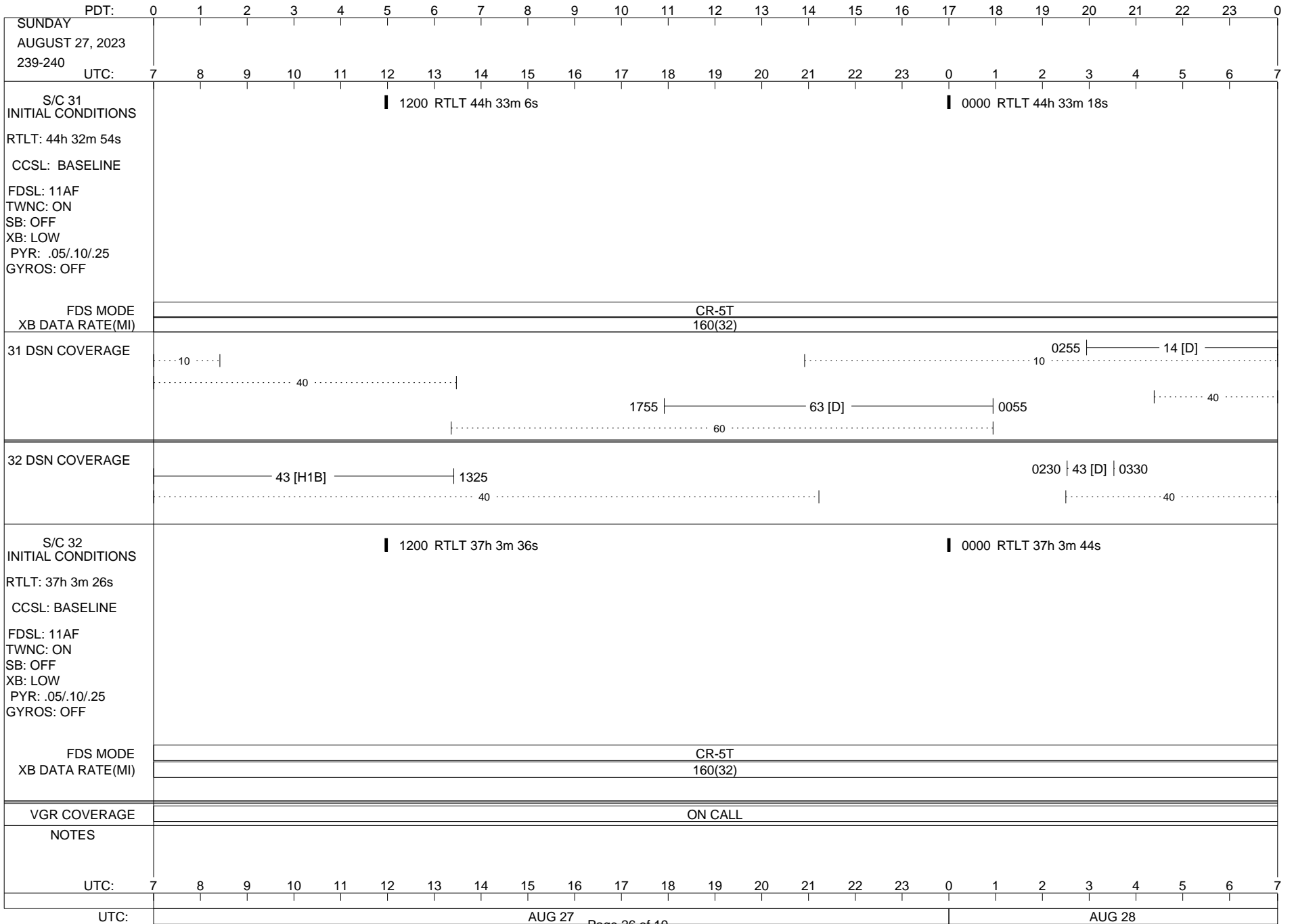




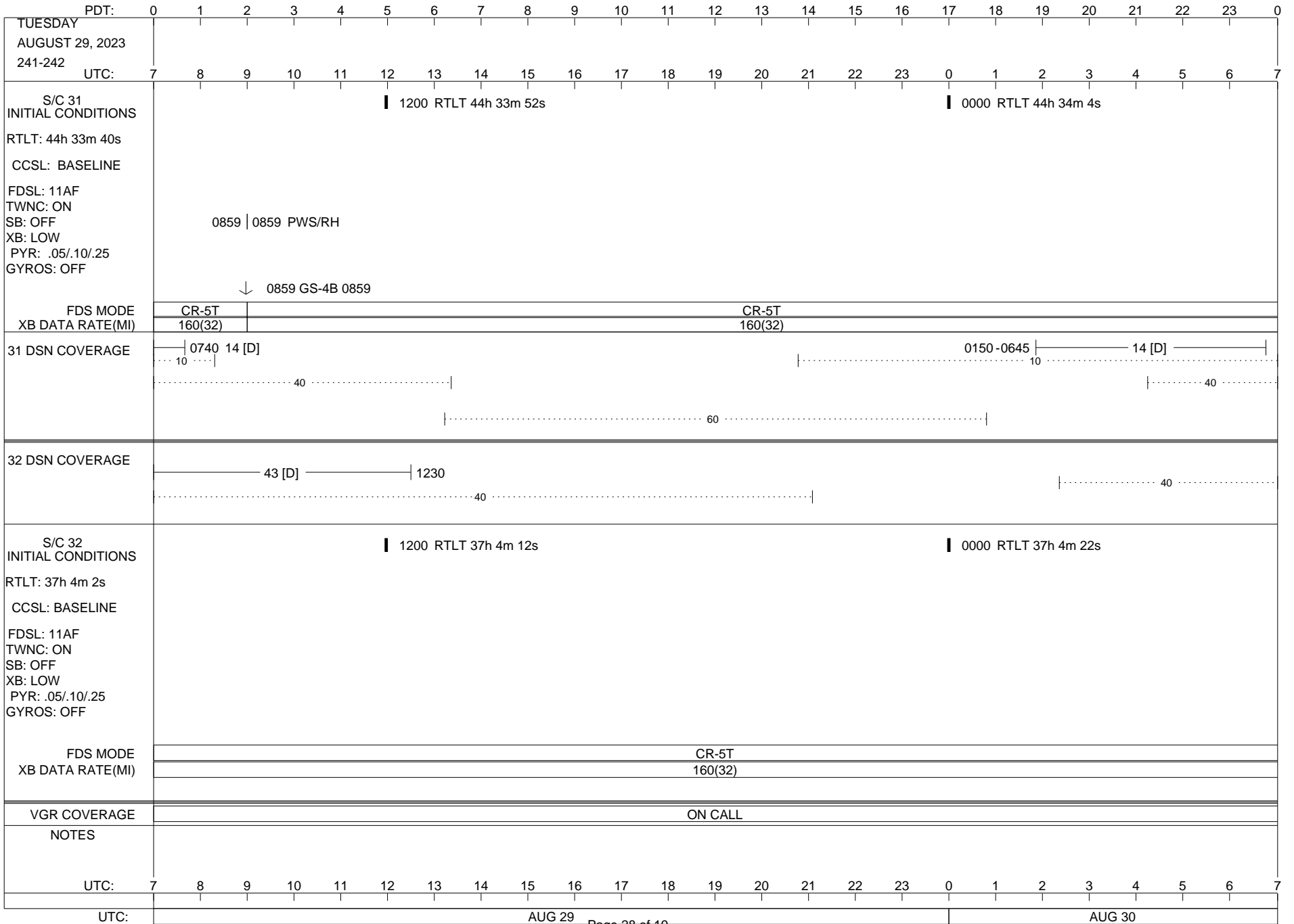
ISSUE DATE: 08/23/23 12:09



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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 AUGUST 28, 2023 240-241																									
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 33m 18s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 33m 28s												0000 RTLT 44h 33m 40s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	0715 14 [D] 10												0145 14 [D] 10												
	43 [D] 40												0720-1150 40												
													60												
32 DSN COVERAGE	1235 43 [D] 40												2110 43 [D] 0630 40												
S/C 32 INITIAL CONDITIONS RTLT: 37h 3m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 3m 54s												0000 RTLT 37h 4m 2s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES													* ↓ 1728 YAW SSB						* ↓ 1828 PSU INST ON ↓ 1900 PSU INST OFF						
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:	AUG 28												Page 27 of 19						AUG 29						

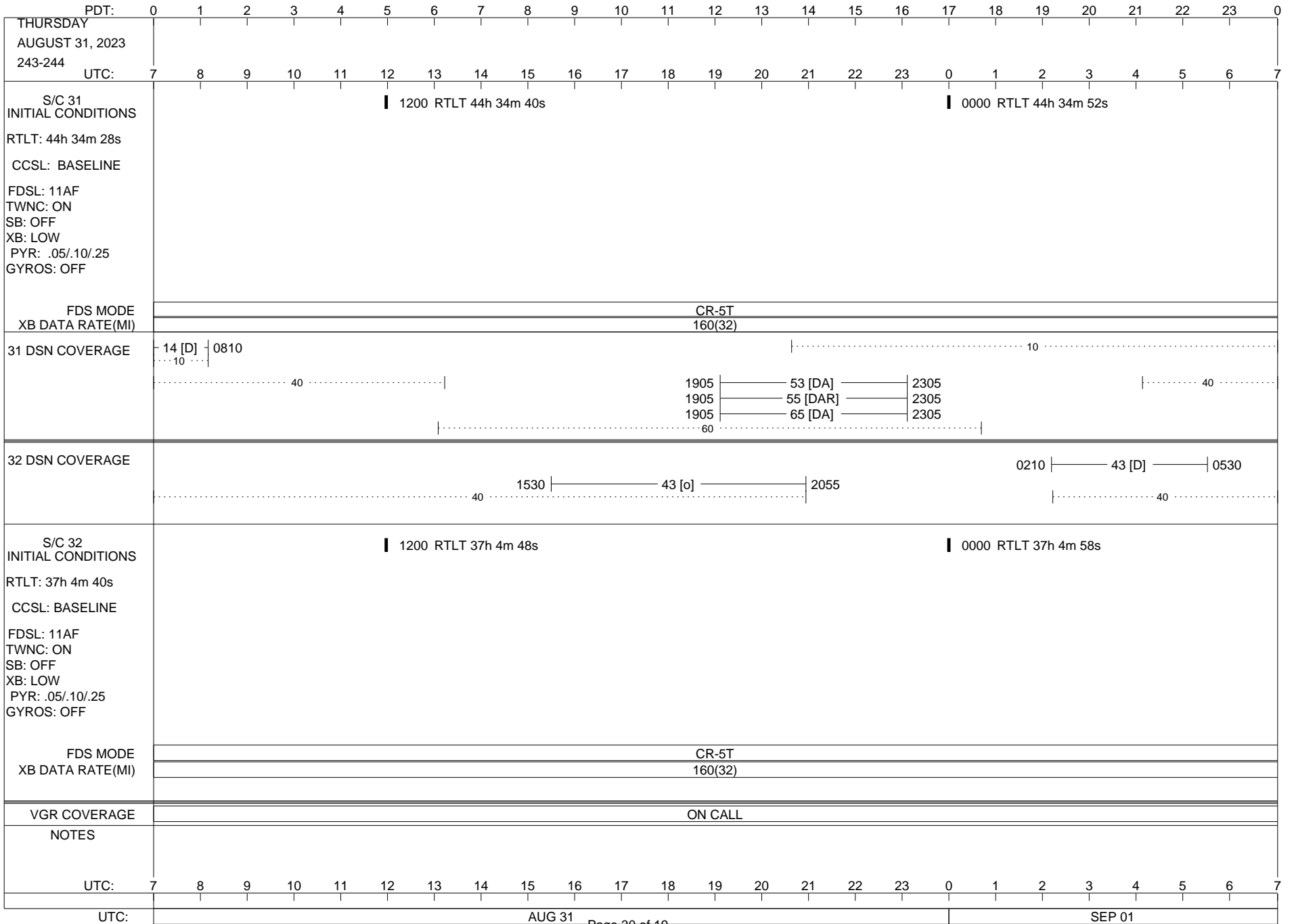


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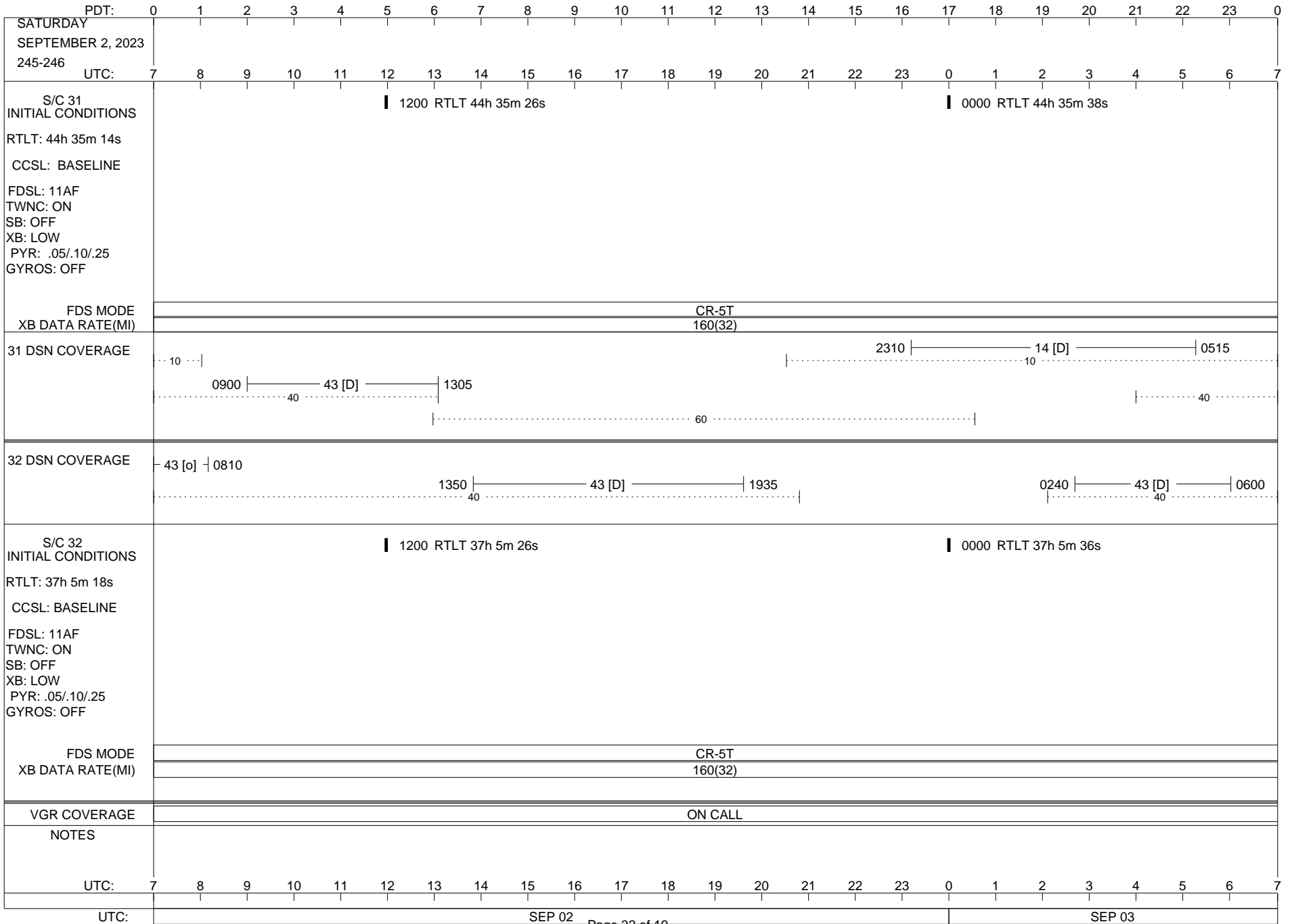
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WEDNESDAY AUGUST 30, 2023 242-243																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 44h 34m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 34m 16s												0000 RTLT 44h 34m 28s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	-----												-----													
	-----												-----													
	-----												-----													
	-----												-----													
32 DSN COVERAGE	-----												-----													
	-----												-----													
S/C 32 INITIAL CONDITIONS RTLT: 37h 4m 22s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 4m 30s												0000 RTLT 37h 4m 40s													
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:	AUG 30													AUG 31												



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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 SEPTEMBER 1, 2023 244-245																											
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 34m 52s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 44h 35m 2s												█ 0000 RTLT 44h 35m 14s									
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	10														2045	14 [D]		2305									
				40																							
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 37h 4m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 37h 5m 8s												█ 0000 RTLT 37h 5m 18s									
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:	SEP 01													SEP 02													



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			
SUNDAY SEPTEMBER 3, 2023 246-247																												
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 35m 38s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<p>1200 RTLT 44h 35m 50s</p> <p>▼ 1005 CCS DIAG (06:41)</p> <p>U/L 1030   -   - - - - - TLC (SHORT-FORM) - - - - -</p>												<p>0000 RTLT 44h 36m 2s</p>															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
31 DSN COVERAGE	<p>10   43 [HT]   0720-1255   1715   53 [DA]   2315   40</p> <p>40   1715   54 [DAR]   2315</p> <p>1715   55 [DA]   2315</p> <p>60</p>												<p>0050   14 [D]  </p> <p>10</p>															
32 DSN COVERAGE	<p>1340   43 [D]   1920   40</p>												<p>40</p>															
S/C 32 INITIAL CONDITIONS RTLT: 37h 5m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<p>1200 RTLT 37h 5m 46s</p>												<p>0000 RTLT 37h 5m 56s</p>															
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:	SEP 03														SEP 04													

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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 SEPTEMBER 4, 2023 247-248																											
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 36m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 36m 14s												0000 RTLT 44h 36m 26s														
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)														
31 DSN COVERAGE	0755 14 [D]												10														
	10												40														
	40												43 [D] 0635														
	40												60														
32 DSN COVERAGE	43 [D]												0735-1410														
	40												40														
S/C 32 INITIAL CONDITIONS RTLT: 37h 5m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 6m 4s												0000 RTLT 37h 6m 14s														
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)														
VGR COVERAGE													ON CALL														
NOTES	JPL HOLIDAY!																										
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:	SEP 04														SEP 05												

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
TUESDAY SEPTEMBER 5, 2023 248-249	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 36m 26s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 44h 36m 38s</p> <p>0836   0837 PWS/RH</p> <p>0000 RTLT 44h 36m 48s</p> <p>TLC (SHORT-FORM) D/L -  0834</p> <p>0836 GS-4B 0837</p>																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)											CR-5T 160(32)													
31 DSN COVERAGE	<p>10   43 [D]   1130   60   0245   14 [D]   40</p>																								
32 DSN COVERAGE	<p>1245   43 [H1o]   1810   40</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 37h 6m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 37h 6m 24s</p> <p>0000 RTLT 37h 6m 34s</p> <p>1318 YAW SSB (02:25)</p> <p>1338 GYROS BC CONDITIONING (02:45)</p>																								
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)													
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] DSS-43 HPTXR DRV OFF <= 19:05																								
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:	SEP 05											SEP 06													

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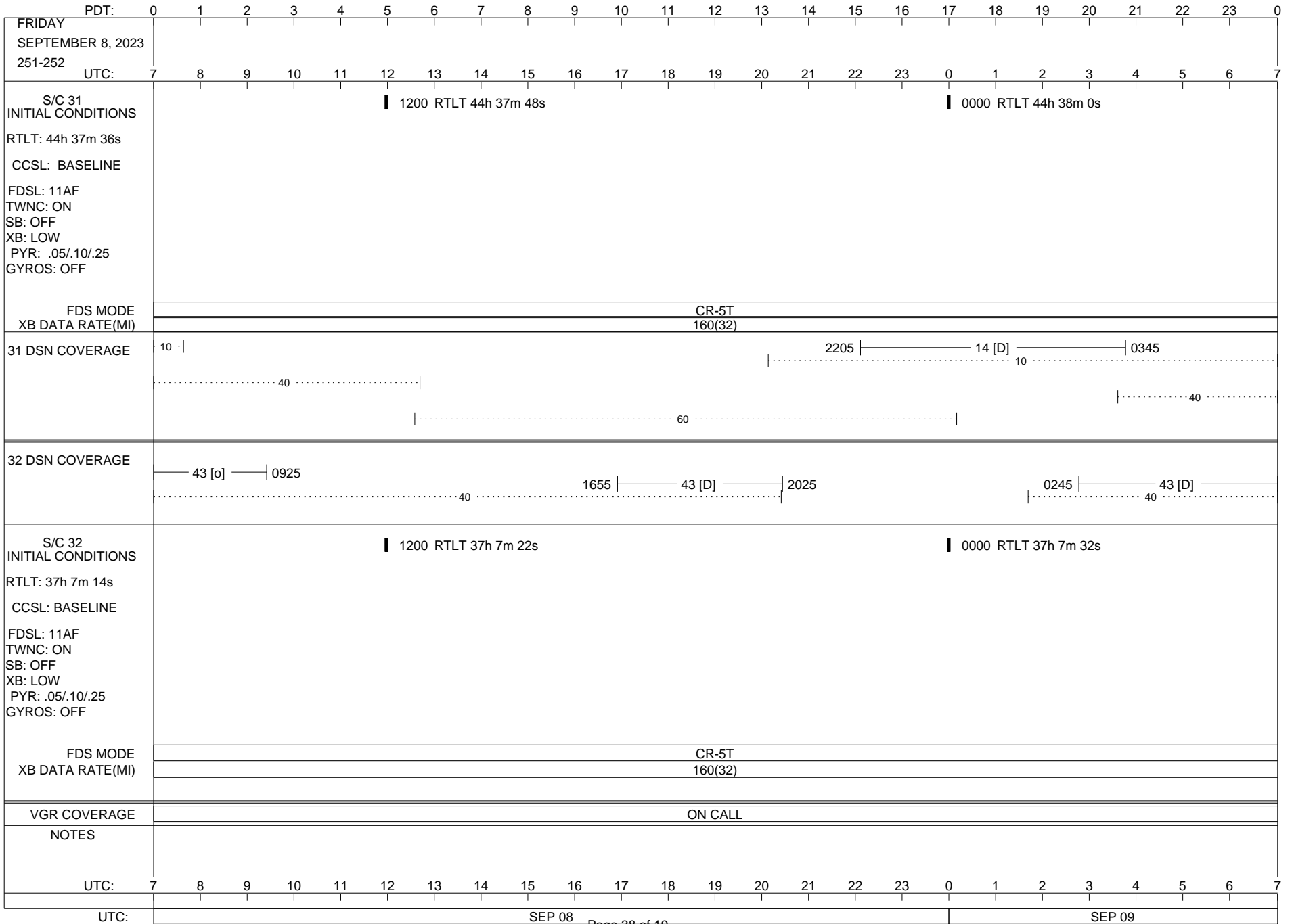
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WEDNESDAY																													
SEPTEMBER 6, 2023																													
249-250																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS		1200 RTLT 44h 37m 0s														0000 RTLT 44h 37m 12s													
RTLT: 44h 36m 48s																													
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)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS		1200 RTLT 37h 6m 44s														0000 RTLT 37h 6m 54s													
RTLT: 37h 6m 34s																													
CCSL: BASELINE																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE																CR-5T							CR-5T						
XB DATA RATE(MI)																160(32)							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:		SEP 06														SEP 07													

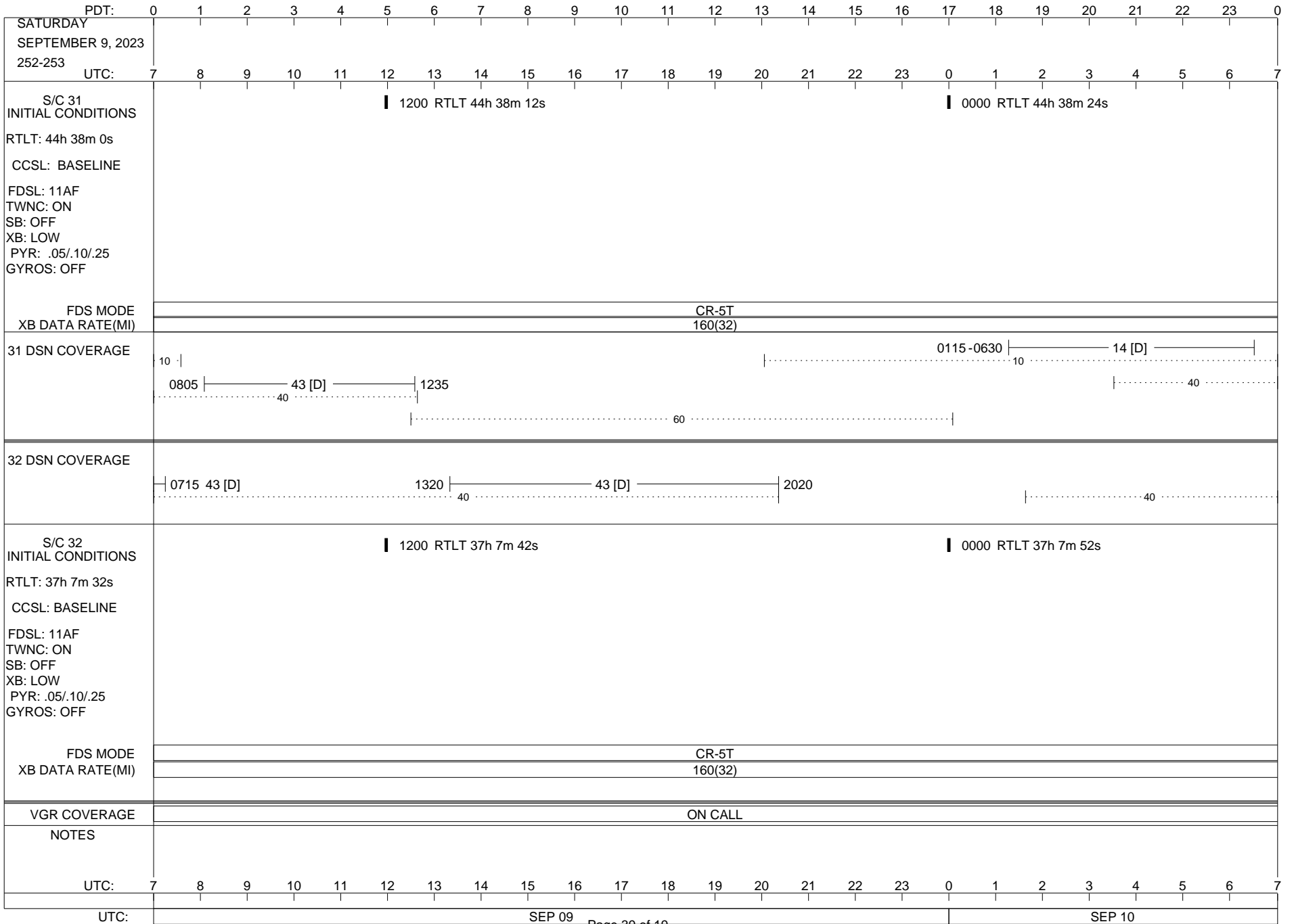
ISSUE DATE: 08/23/23 12:09

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 SEPTEMBER 7, 2023 250-251																									
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 37m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 37m 24s												0000 RTLT 44h 37m 36s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	10												10												
	-----43-----  0725-1220												-----40-----												
	40												1745  -----54 [D]-----  2140												
													1745  -----65 [D]-----  2140												
													60												
32 DSN COVERAGE													0320  -----43 [o]-----												
	1305  -----43 [D]-----  1515												40												
S/C 32 INITIAL CONDITIONS RTLT: 37h 6m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 7m 4s												0000 RTLT 37h 7m 14s												
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:	SEP 07												SEP 08												



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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

SUNDAY  
SEPTEMBER 10, 2023  
253-254

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 38m 24s  
CCSL: BASELINE  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

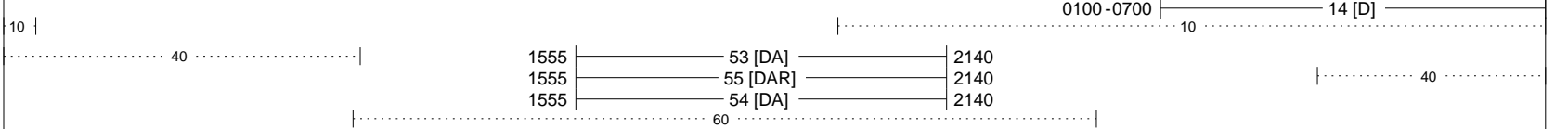
1200 RTLTL 44h 38m 36s

0000 RTLTL 44h 38m 48s

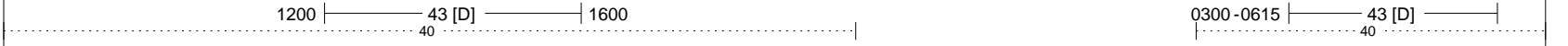
FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32  
INITIAL CONDITIONS  
RTLTL: 37h 7m 52s  
CCSL: BASELINE  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLTL 37h 8m 2s

0000 RTLTL 37h 8m 12s

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: SEP 10 Page 40 of 19 SEP 11

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