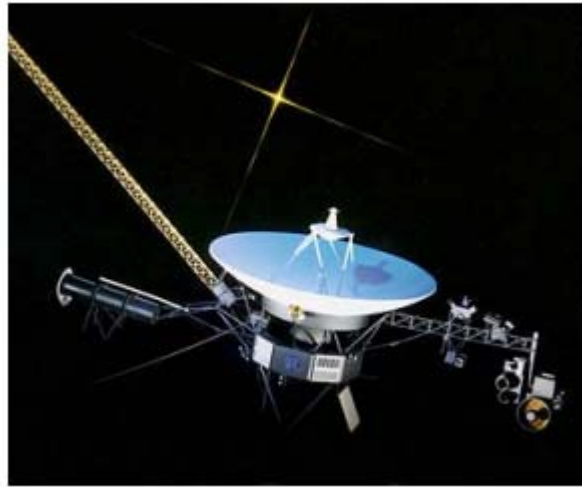


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: July 19, 2023

For the Period: 07/20/23 to 08/14/23 (23/201 – 23/226)



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

LEGEND:

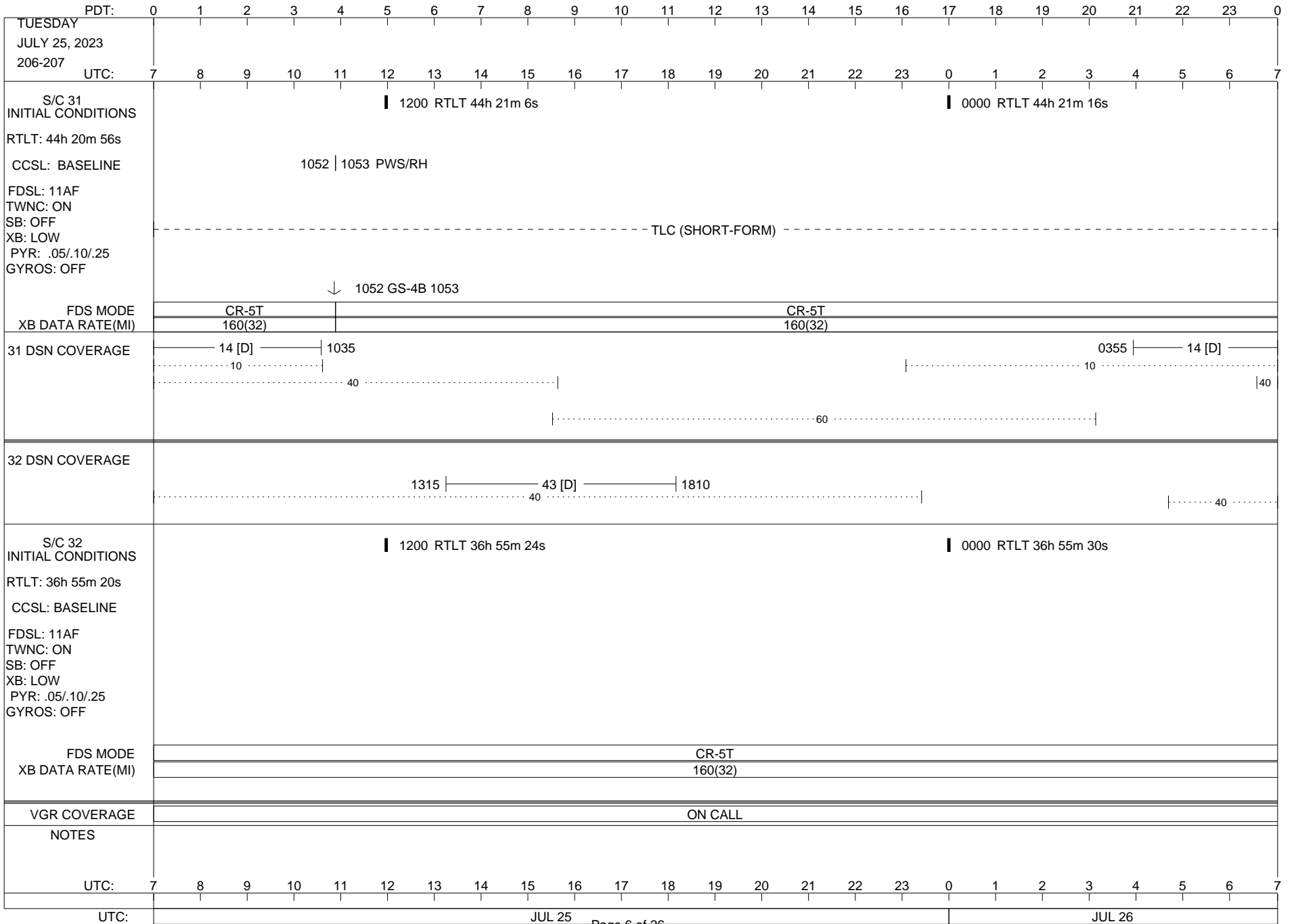
- ▽ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U = Uplink only pass
- [o] = Ramp-through

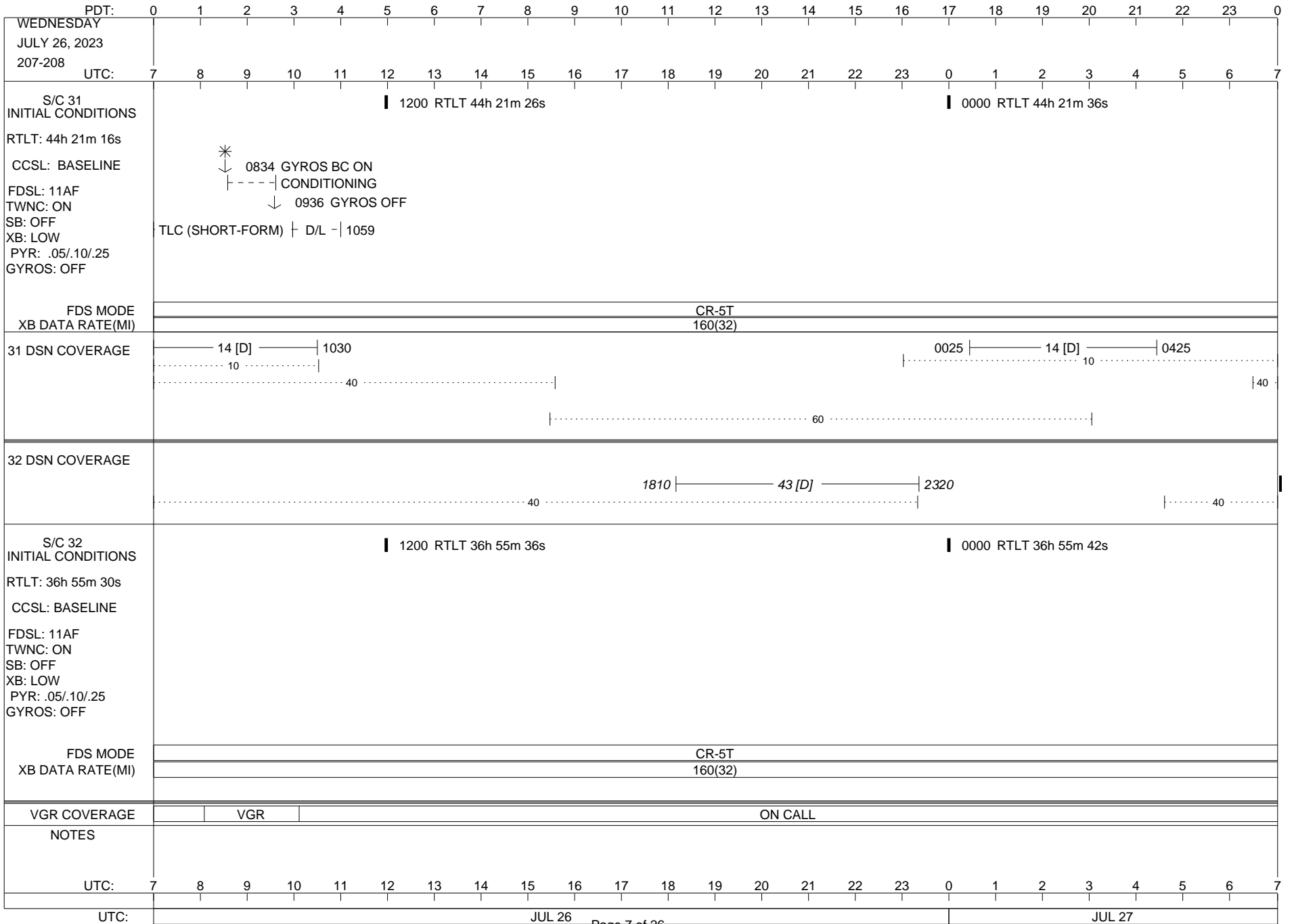
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
THURSDAY JULY 20, 2023 201-202																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 44h 19m 20s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 44h 19m 30s												| 0000 RTLT 44h 19m 38s															
----- TLC (SHORT FORM) -----																												
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	..... 10										2330 |----- 14 [D] -----										|----- 10							
	..... 40																				40 |							
											|----- 60																	
32 DSN COVERAGE	43 [D] | 0825				1515 |----- 43 [D] -----										1930													
	..... 40 .....																				|----- 40							
S/C 32 INITIAL CONDITIONS RTLT: 36h 54m 26s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 36h 54m 30s												| 0000 RTLT 36h 54m 36s															
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:	JUL 20														JUL 21													

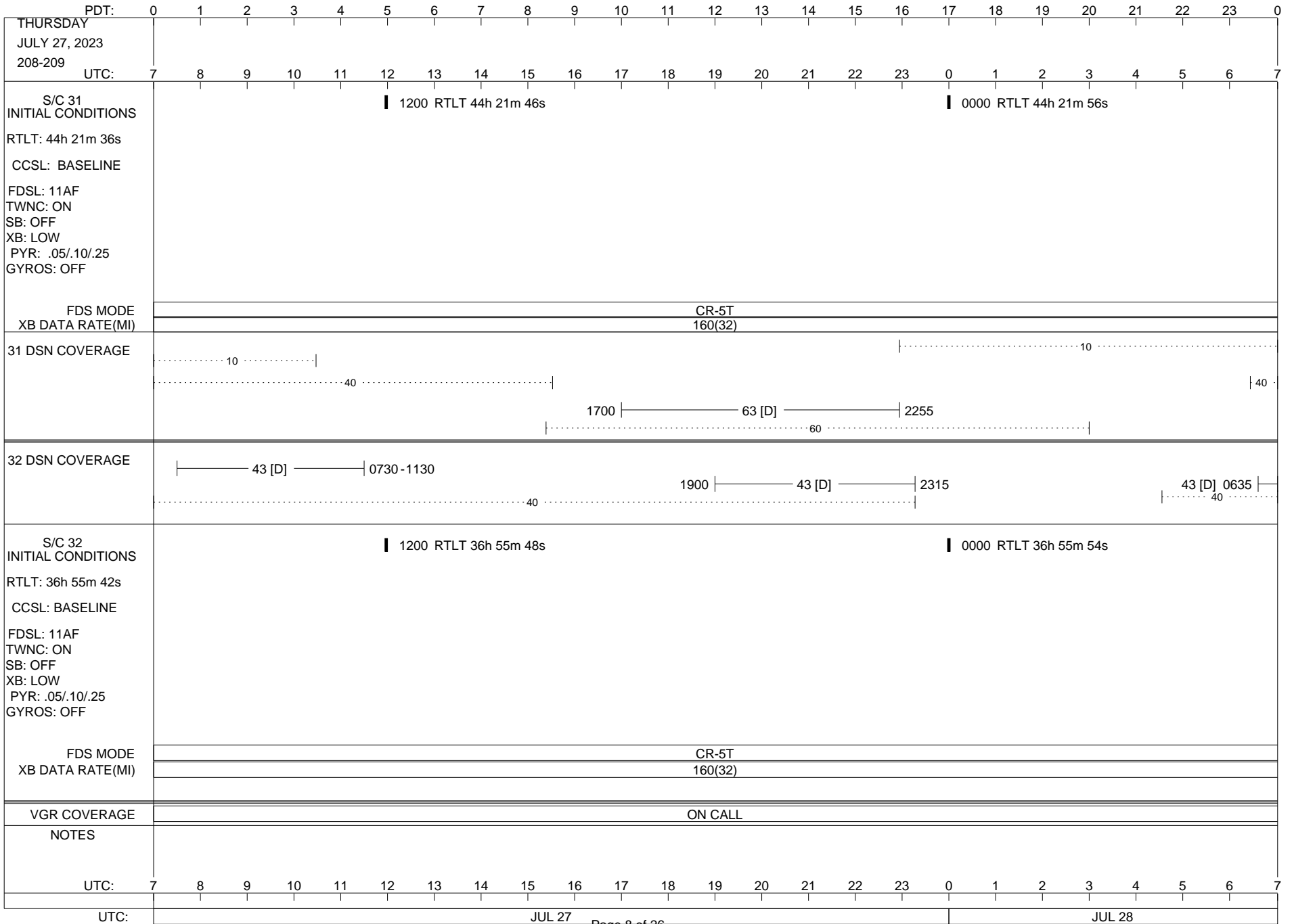
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
FRIDAY JULY 21, 2023 202-203																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 44h 19m 38s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 44h 19m 48s												█ 0000 RTLT 44h 19m 58s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	14 [D] | 1050												10 | 40 | 1905 | 63 [D] | 2300												
32 DSN COVERAGE	43 [D] | 0735 - 1200												40 | 1940 | 43 [D] | 2340 | 0515 | 43 [H1] | 40												
S/C 32 INITIAL CONDITIONS RTLT: 36h 54m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 36h 54m 40s												█ 0000 RTLT 36h 54m 46s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL																							VGR	
NOTES	[1] DSS-43 HPTXR DRV ON >= 06:25																								
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:	JUL 21												JUL 22												

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 JULY 22, 2023 203-204																									
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 19m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 44h 20m 8s												| 0000 RTLT 44h 20m 16s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	..... 10 ..... |												0005 |----- 14 [D] -----| 0520 |----- 10 -----|												
	..... 40 ..... |												1650 |----- 63 [D] -----| 2045 |----- 60 -----|												
32 DSN COVERAGE	----- 43 [H1] -----| 0945												1935 |----- 43 [D] -----| 2335 0555 | 43 [o] |												
	..... 40 ..... |												|----- 40 -----|												
S/C 32 INITIAL CONDITIONS RTLT: 36h 54m 46s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 36h 54m 52s												| 0000 RTLT 36h 54m 58s												
	▼ 0736 TLMPRG (20:31)																								
	▼ 0756 CCSTIM F/C (20:51)																								
	▼ 0824 CR-5T (21:19)																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	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:	JUL 22												JUL 23												

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 JULY 23, 2023 204-205																									
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 20m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 44h 20m 26s												| 0000 RTLT 44h 20m 36s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	..... 10 ..... | ..... 40 ..... |												0005 |----- 14 [D] -----| 0435 10 1630 |----- 63 [D] -----| 2030 60 ..... |												
32 DSN COVERAGE	----- 43 [o] -----| 0940 40 ..... |												1820 |----- 43 [D] -----| 2330 40 ..... |												
S/C 32 INITIAL CONDITIONS RTLT: 36h 54m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 36h 55m 2s												| 0000 RTLT 36h 55m 8s												
FDS MODE	CR-5T												EL-40 1937			2120 CR-5T			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 XB=40(30) @ 1937 [2] SC 32=CR-5T XB=160(32) @ 2120																								
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:	JUL 23												Page 4 of 26						JUL 24						



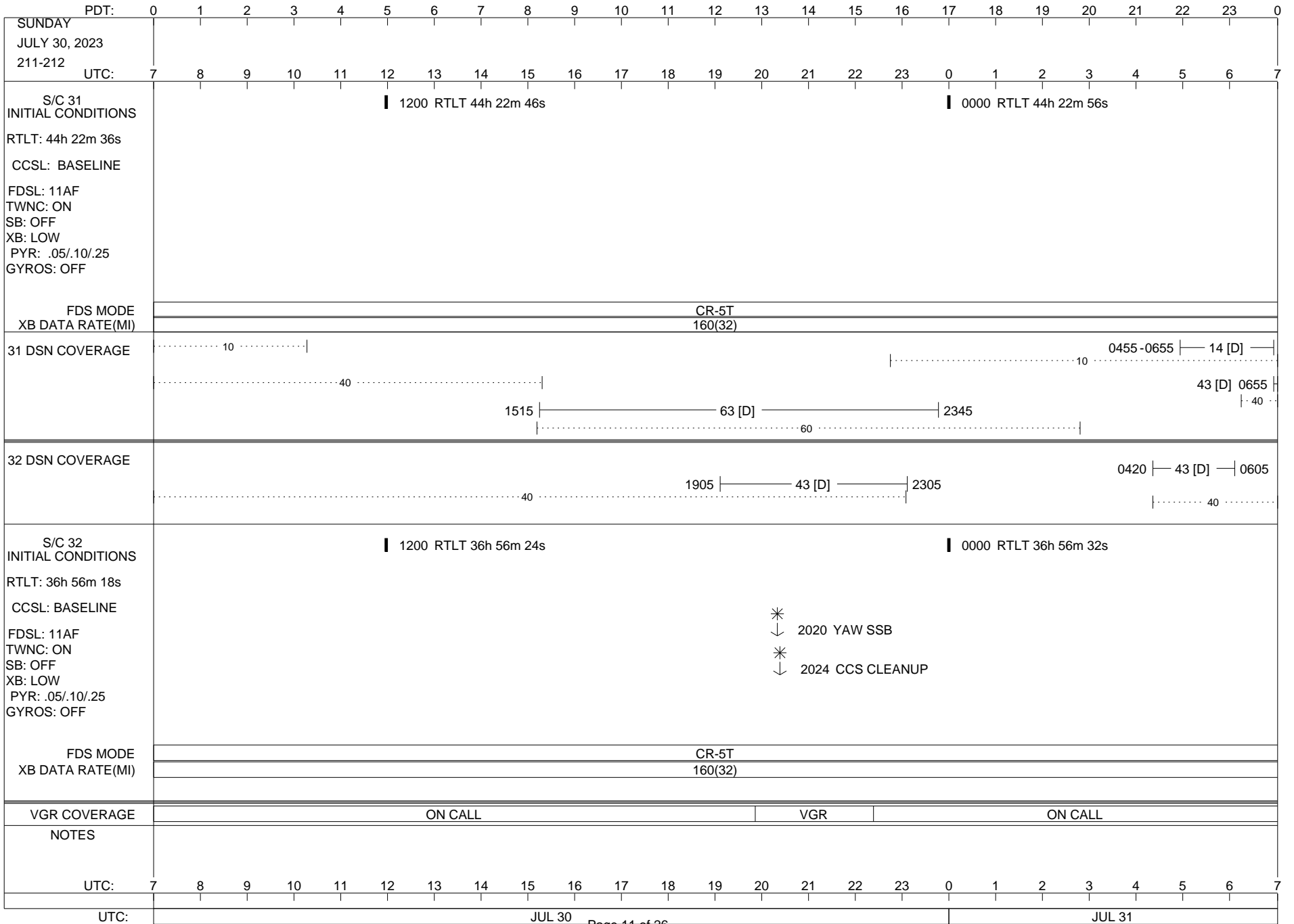




ISSUE DATE: 07/24/23 09:18

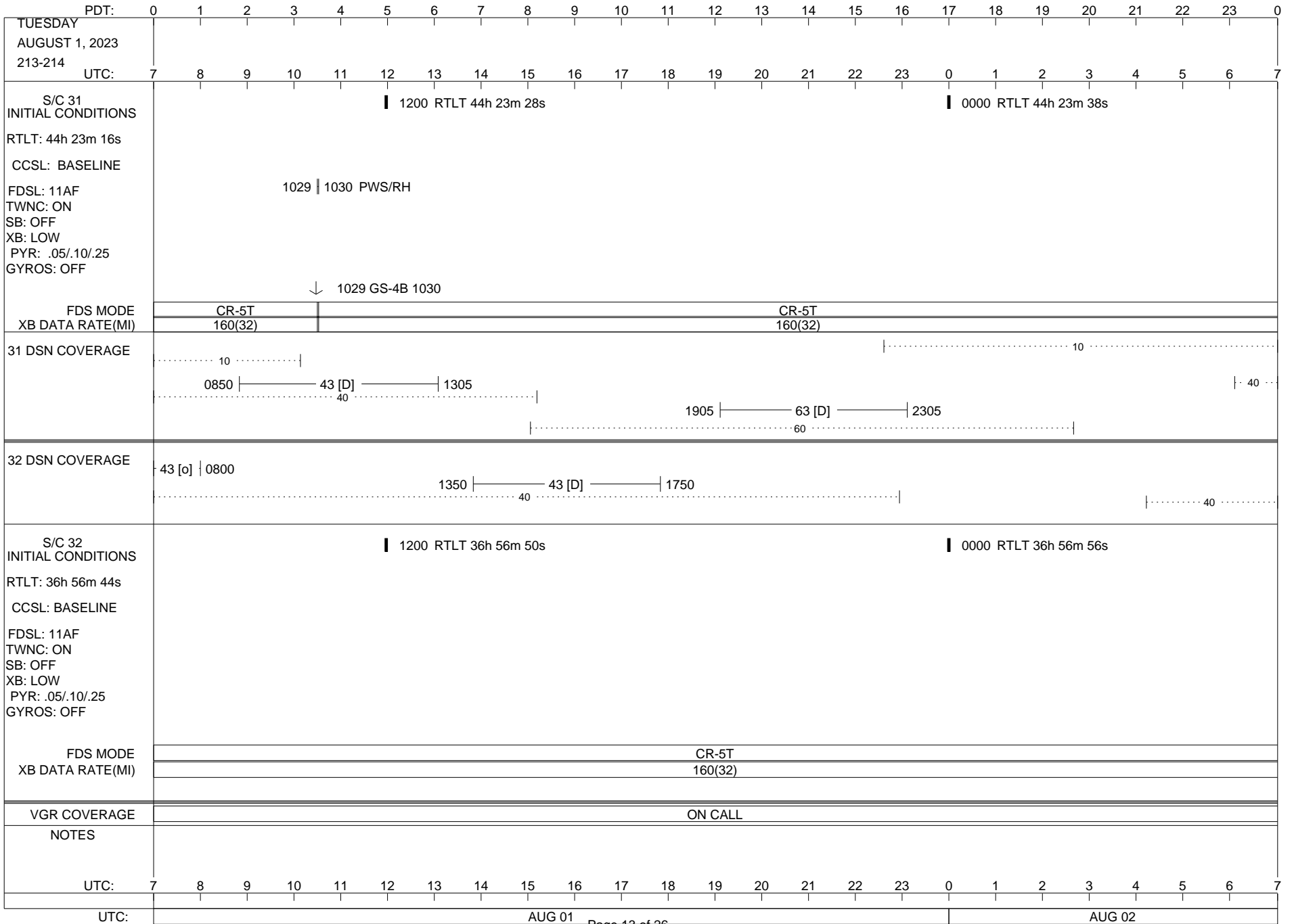
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
FRIDAY JULY 28, 2023 209-210																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 44h 21m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 44h 22m 6s												| 0000 RTLT 44h 22m 16s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	.....| 10 .....										.....| 10													
	.....| 40 .....										.....| 40													
	1545 |-----| 63 [D] |-----| 1945										|-----| 60														
32 DSN COVERAGE	-----| 43 [D] |-----| 1035										0515 |-----| 43 [H1] |-----|														
	.....| 40 .....										.....| 40													
S/C 32 INITIAL CONDITIONS RTLT: 36h 55m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 36h 56m 0s												| 0000 RTLT 36h 56m 6s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE													ON CALL												
NOTES													VGR												
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:	JUL 28												JUL 29												

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 JULY 29, 2023 210-211	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 22m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 44h 22m 26s												| 0000 RTLT 44h 22m 36s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	..... 10 .....												..... 10											
	..... 40 .....												..... 40											
	1515 |----- 63 [D] -----| 1915												..... 60											
32 DSN COVERAGE	43 [H1] |----- 0900												1610 |----- 43 [D] -----| 2010												
	..... 40 .....												..... 40											
S/C 32 INITIAL CONDITIONS RTLT: 36h 56m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 36h 56m 12s												| 0000 RTLT 36h 56m 18s												
	▼ 0724 YAW SSB (20:20)																								
	▼ 0728 CCS CLEANUP (20:24)																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] DSS-43 HPTXR DRV ON >= 0705																								
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:	JUL 29												JUL 30												

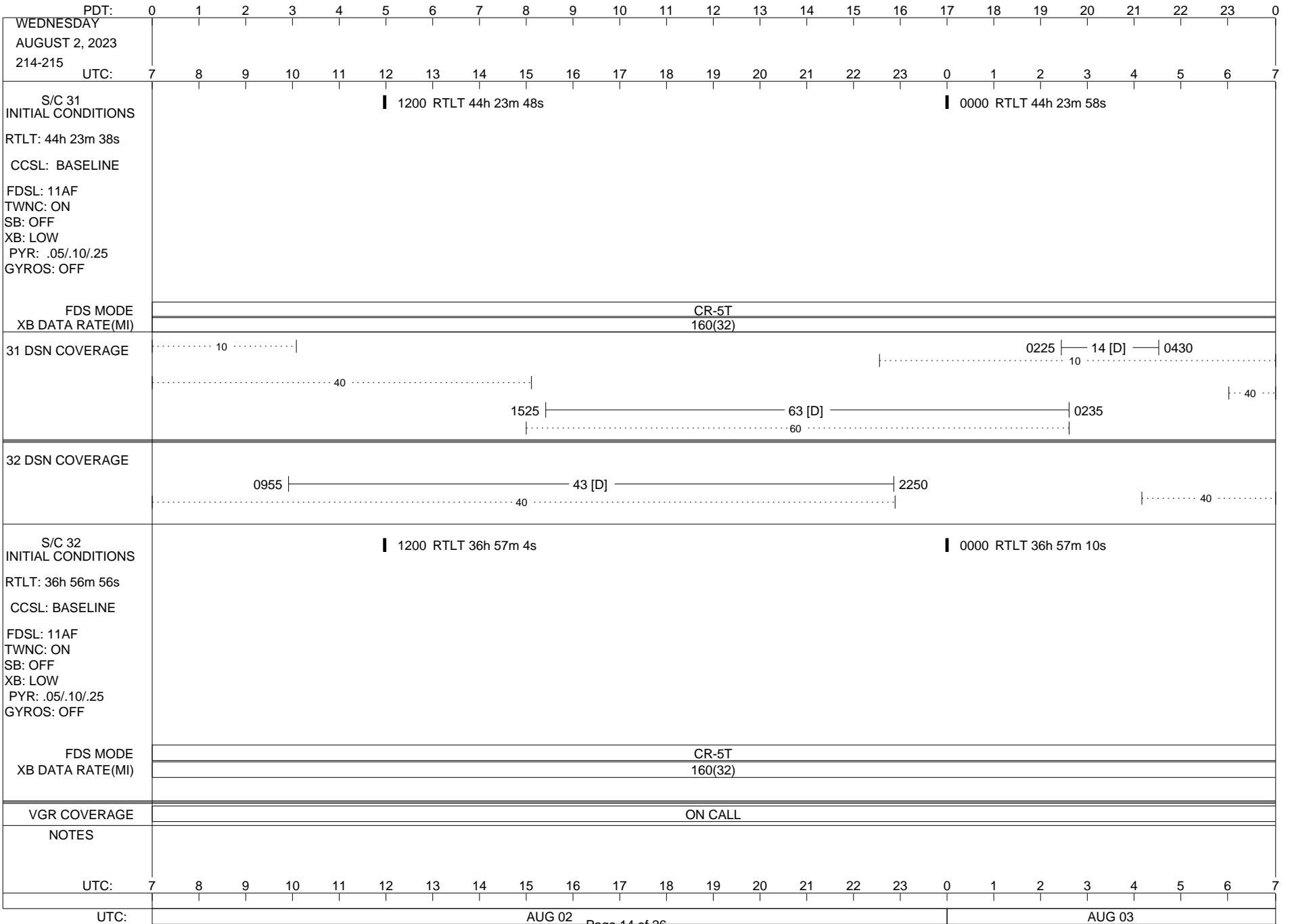


PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
MONDAY JULY 31, 2023 212-213																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS	█ 1200 RTLT 44h 23m 6s												█ 0000 RTLT 44h 23m 16s													
RTLT: 44h 22m 56s																										
CSSL: 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	<p>..... 10 .....|</p> <p>----- 43 [D] -----| 0855</p> <p>..... 40 .....|</p> <p>..... 60 .....|</p> <p>..... 0125 |----- 14 [D] -----| 0555</p> <p>..... 10 .....|</p> <p>..... 40 ..</p>																									
32 DSN COVERAGE	<p>..... 40 .....|</p> <p>..... 1740 |----- 43 [D] -----| 2140</p> <p>..... 40 .....|</p> <p>..... 43 [o] 0645 |</p> <p>..... 40 ..</p>																									
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 36h 56m 38s												█ 0000 RTLT 36h 56m 44s													
RTLT: 36h 56m 32s																										
CSSL: 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																									
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:	JUL 31																	AUG 01								

ISSUE DATE: 07/24/23 09:18

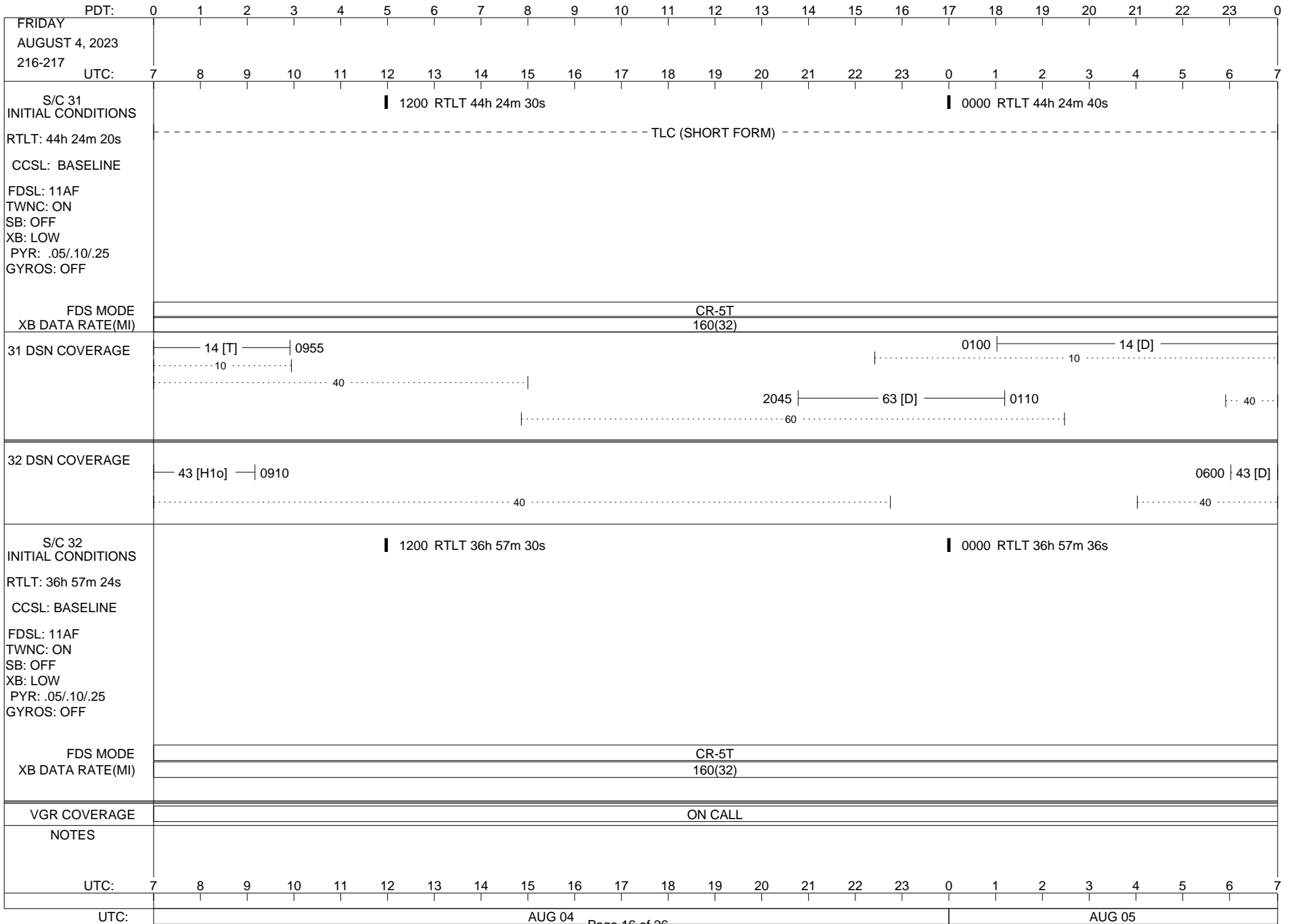


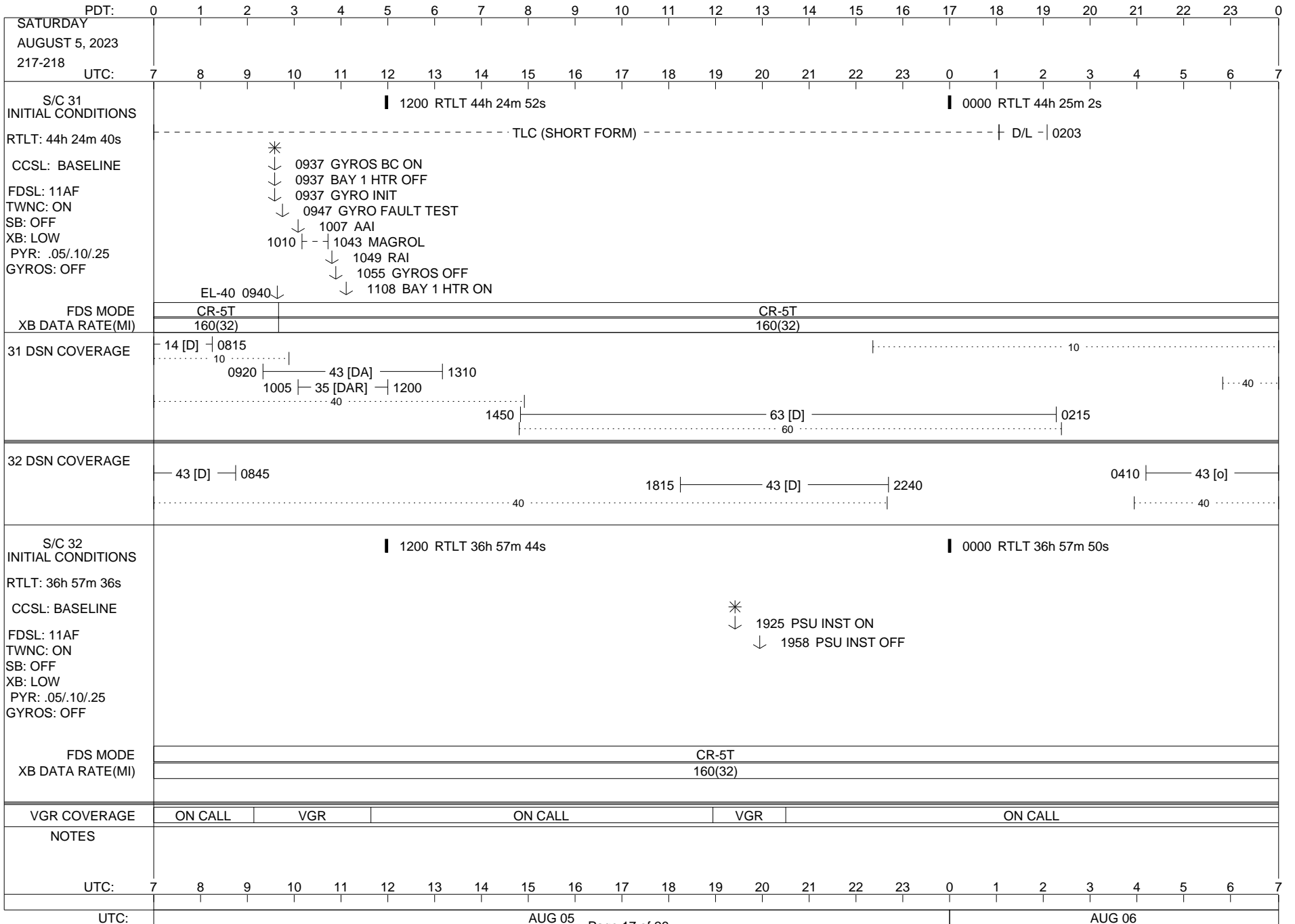
ISSUE DATE: 07/24/23 09:18



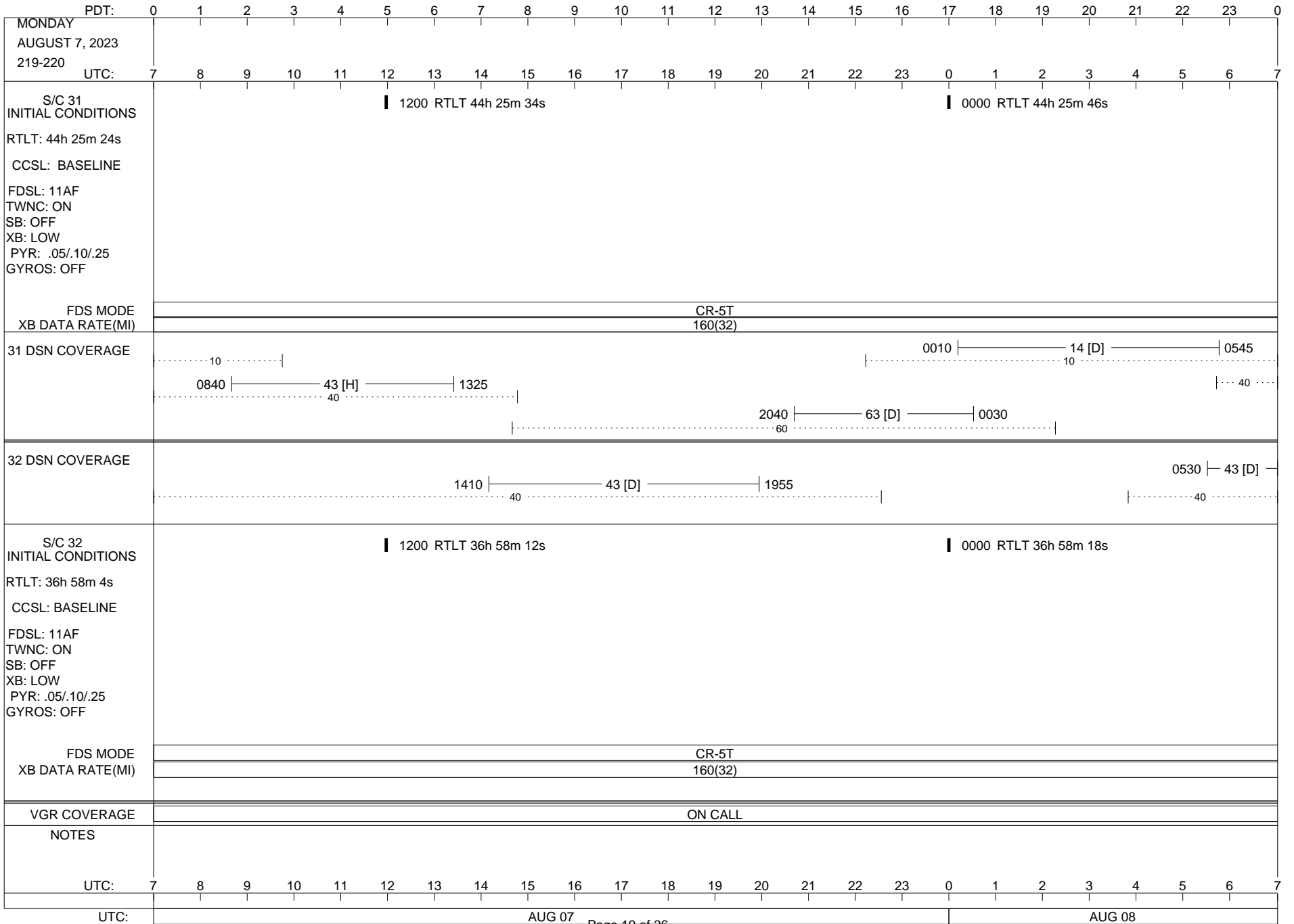
ISSUE DATE: 07/24/23 09:18

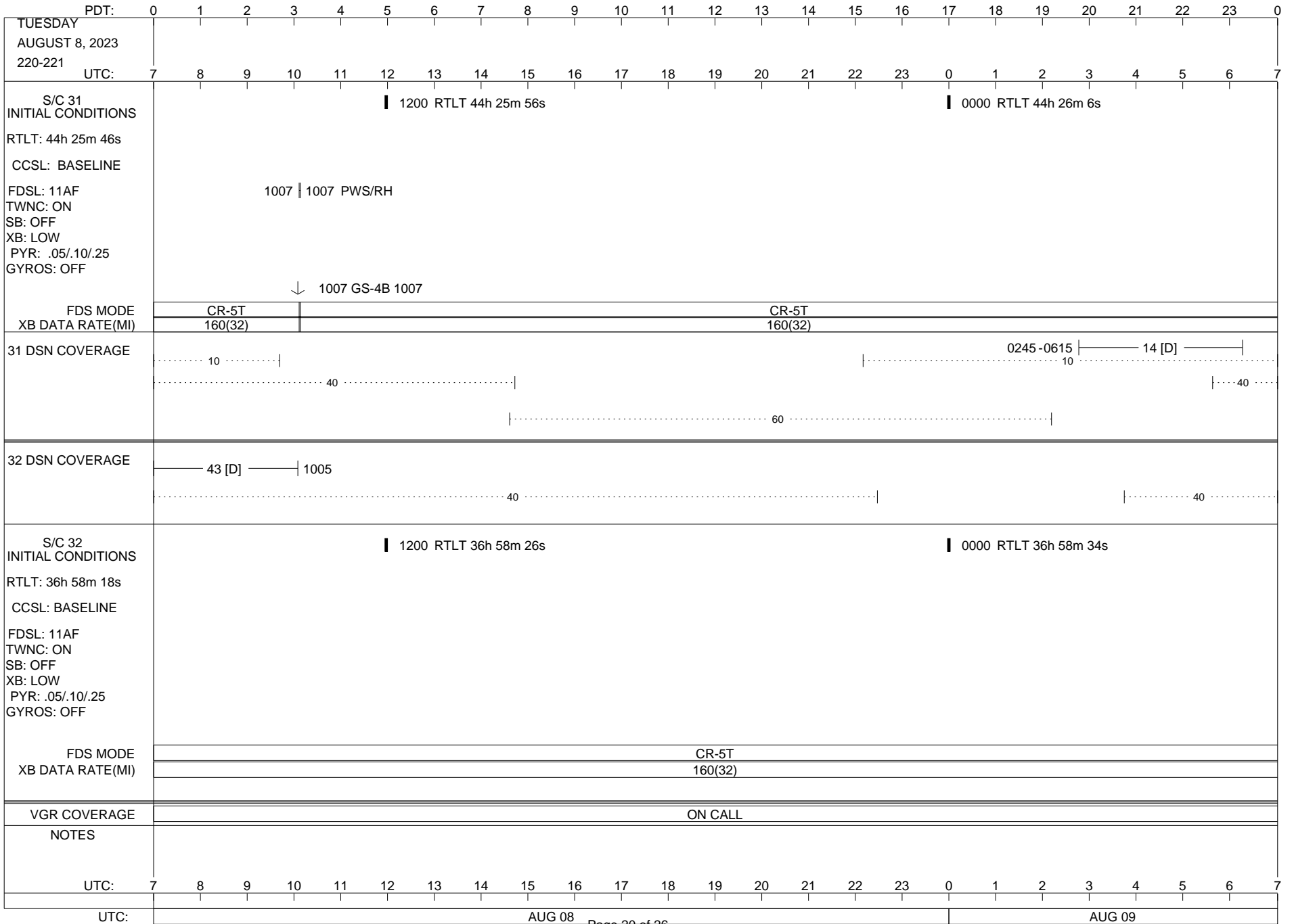
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
THURSDAY AUGUST 3, 2023 215-216	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 44h 23m 58s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 44h 24m 10s												| 0000 RTLT 44h 24m 20s U/L 0410 | - | TLC (SHORT FORM) | - - - - -															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	..... 10 0920 |----- 43 [H] -----| 1325 40 .....												..... 10 0345 |----- 14 [T] ----- 40											
	1500 |----- 63 [D] -----| 1745 60																											
32 DSN COVERAGE	1410 |----- 43 [D] -----| 2200 40												0420 |----- 43 [H1o] ----- 40															
S/C 32 INITIAL CONDITIONS RTLT: 36h 57m 10s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 36h 57m 16s												| 0000 RTLT 36h 57m 24s PSU INST ON/OFF (19:24) 0627▼															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE	ON CALL						VGR						ON CALL						VGR									
NOTES	[1] SC 32 DSS-43 HPTXR DRV ON>=05:35																											
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 03														AUG 04													



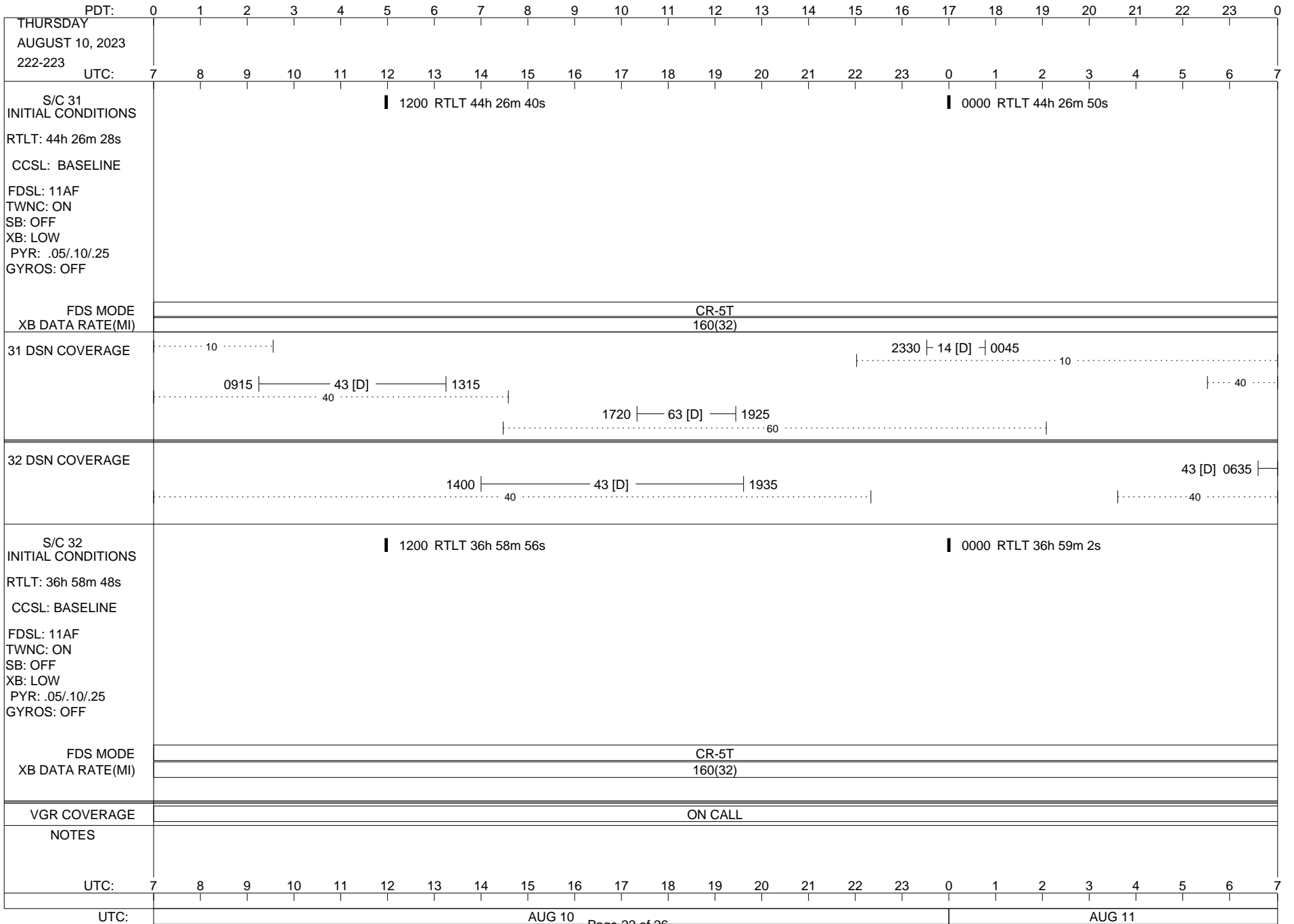


PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
SUNDAY AUGUST 6, 2023 218-219																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 44h 25m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 44h 25m 12s												| 0000 RTLT 44h 25m 24s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	.....10.....|												|.....0030|-----14 [D]-----|0555											
	.....40.....|												|.....10.....|												
	1445|-----63 [D]-----|0050												|.....40.....|												
	|.....60.....|																								
32 DSN COVERAGE	-----43 [o]-----|1725																								
	.....40.....|												|.....40.....|												
S/C 32 INITIAL CONDITIONS RTLT: 36h 57m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 36h 57m 58s												| 0000 RTLT 36h 58m 4s												
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 06												AUG 07												





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 AUGUST 9, 2023 221-222																										
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 26m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 44h 26m 18s												| 0000 RTLTL 44h 26m 28s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	..... 10 .....|												|..... 10											
	..... 40 .....												|..... 40											
													2030 |----- 63 [D] -----| 0030													
													..... 60												
32 DSN COVERAGE	..... 1105 |----- 43 [D] -----| 1850												|..... 40											
	..... 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 36h 58m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 36h 58m 40s												| 0000 RTLTL 36h 58m 48s													
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 09													AUG 10												



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 AUGUST 11, 2023 223-224	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 26m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 44h 27m 2s												| 0000 RTLT 44h 27m 12s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	..... 10 ..... | ..... 40 ..... |												| 0130 |----- 14 [D] -----| 0610 |----- 10 -----| 1425 |----- 63 [D] -----| 1715 |----- 60 -----|												
32 DSN COVERAGE	----- 43 [D] -----| 1025 40 ..... |												1845 |----- 43 [D] -----| 2035 |----- 40 -----| 0350 |----- 43 [H1o] -----|												
S/C 32 INITIAL CONDITIONS RTLT: 36h 59m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 36h 59m 10s												| 0000 RTLT 36h 59m 18s GYROS BC CONDITIONING (18:21) 0522▼												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] DSS-43 HPTXR DRV ON >= 05:00																								
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 11												AUG 12												

ISSUE DATE: 07/24/23 09:18

