

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: June 7, 2023

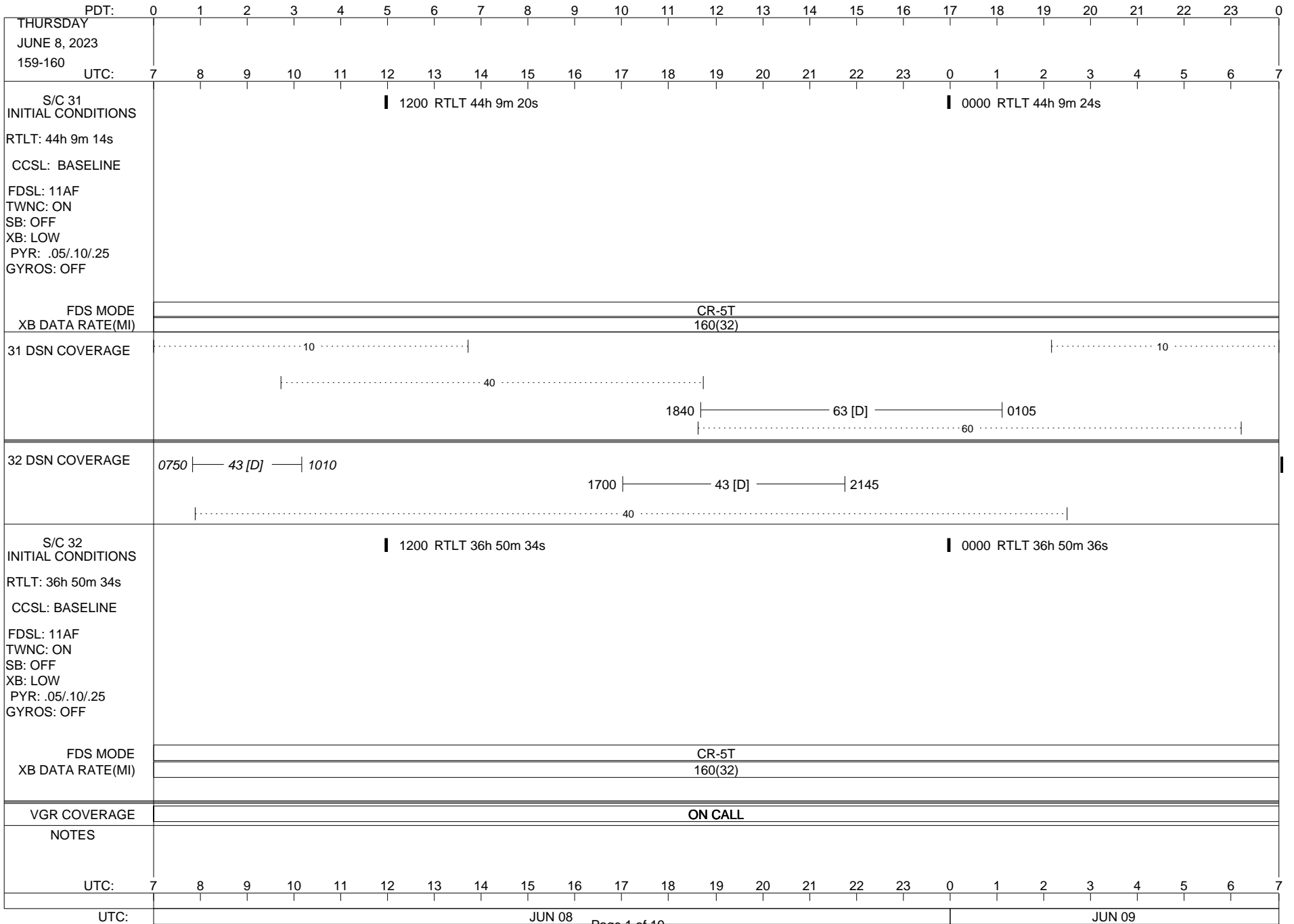
For the Period: 06/08/23 to 06/26/23 (23/159 – 23/177)



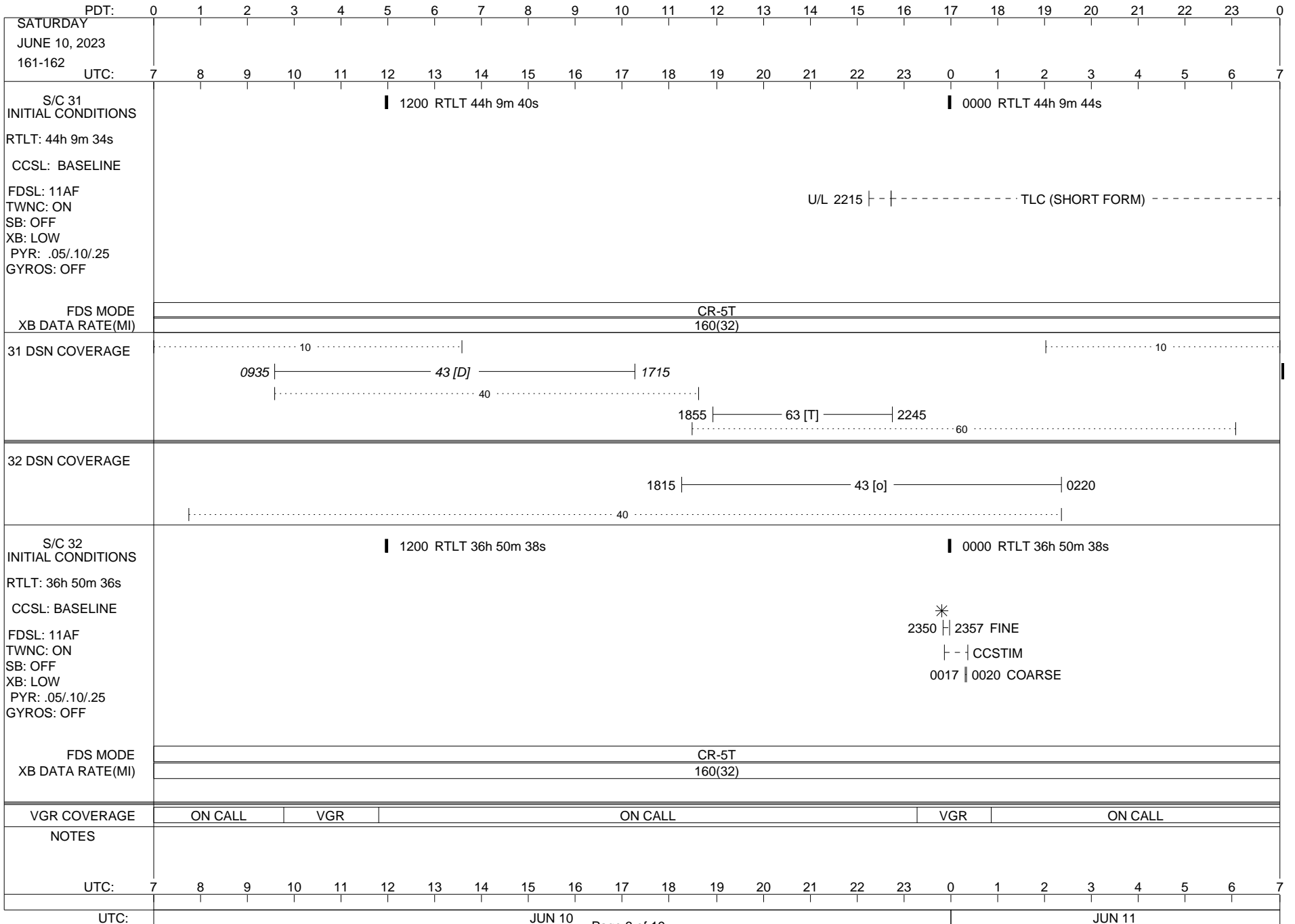
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

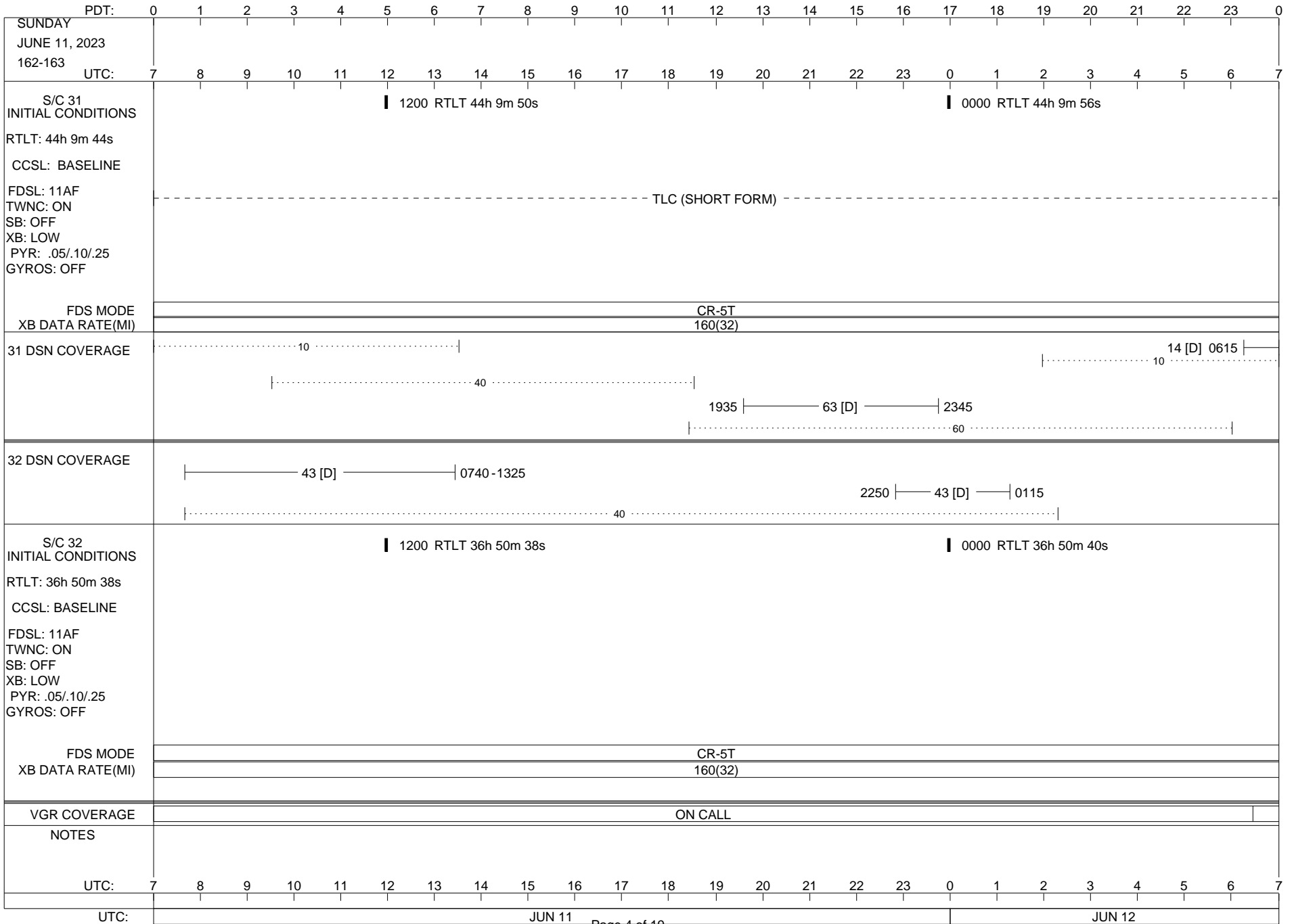
**LEGEND:**

- ▽ = 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

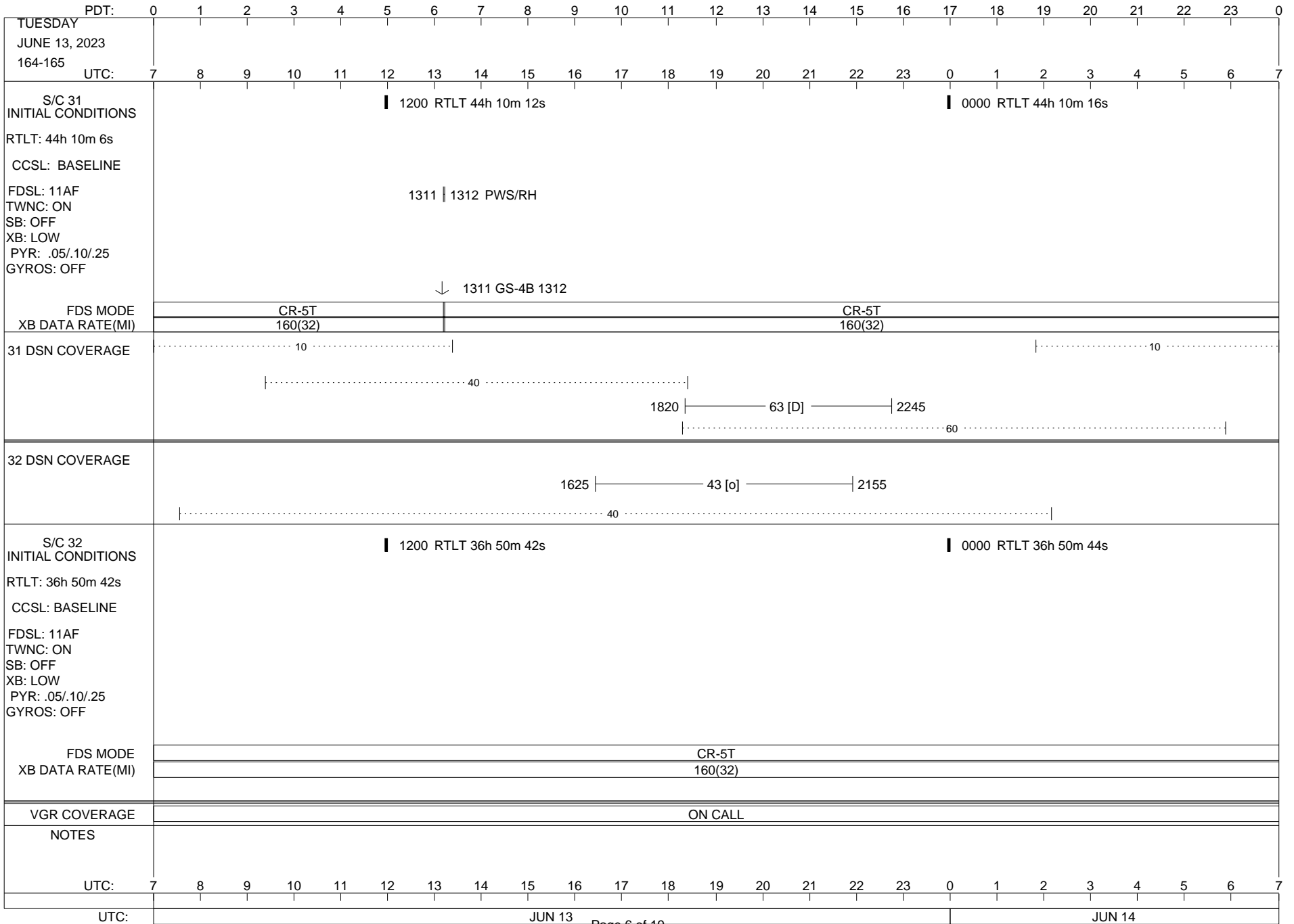


PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0											
FRIDAY JUNE 9, 2023 160-161	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7											
S/C 31 INITIAL CONDITIONS RTLTL: 44h 9m 24s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 44h 9m 30s												0000 RTLTL 44h 9m 34s																							
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)																							
31 DSN COVERAGE	-----10-----												-----10-----																							
	-----40-----												-----60-----																							
	1835  -----63 [D]-----  2235																																			
32 DSN COVERAGE	0930  -----43 [H1]-----  1515												0030  -----43 [D]-----  0220																							
	-----40-----																																			
S/C 32 INITIAL CONDITIONS RTLTL: 36h 50m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 36h 50m 36s												0000 RTLTL 36h 50m 36s																							
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)																							
VGR COVERAGE	ON CALL												VGR												ON CALL											
NOTES	[1] HP TXR DRV ON >= 09:20																																			
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:	JUN 09												JUN 10																							





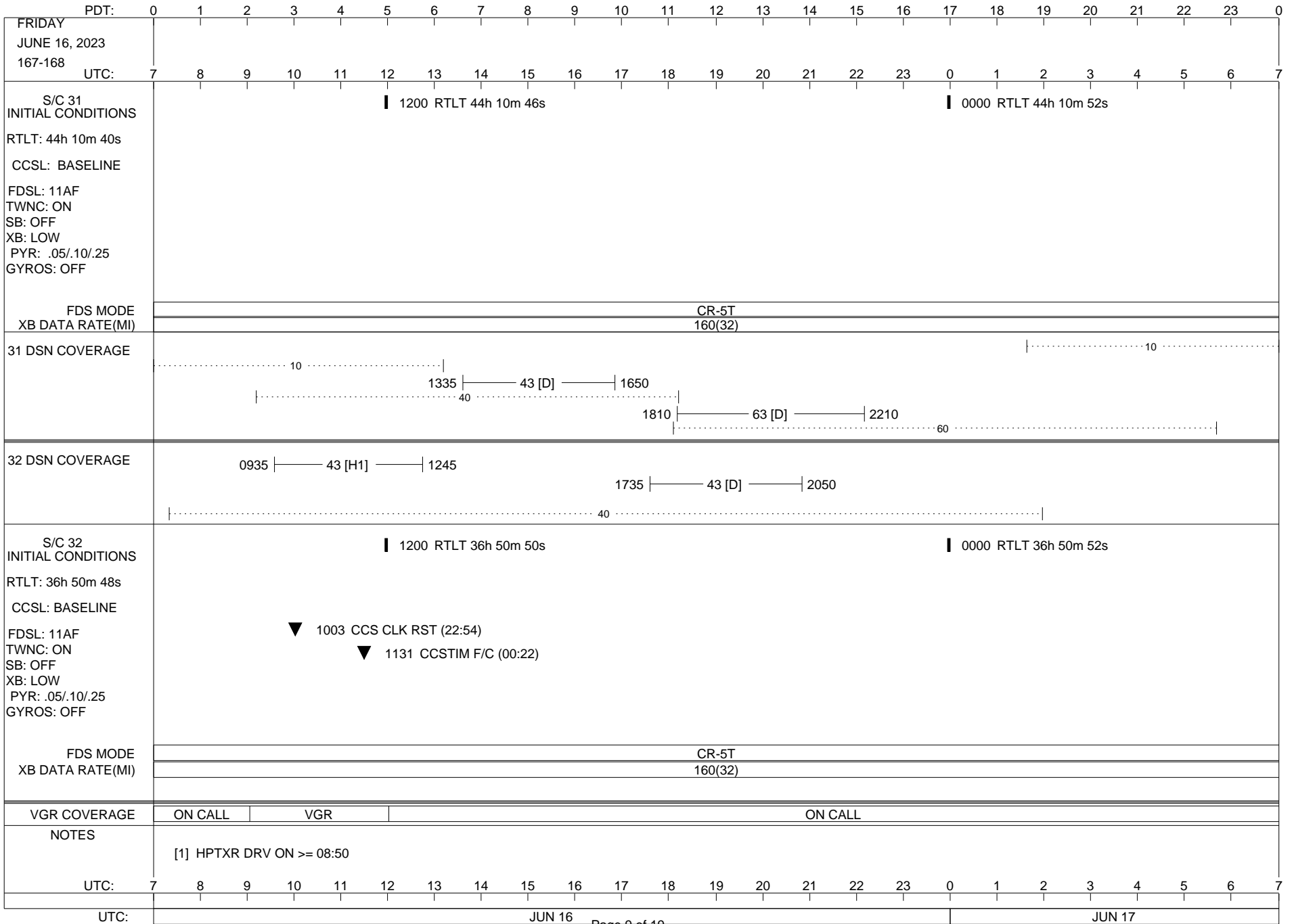
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MONDAY JUNE 12, 2023 163-164	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 44h 9m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 10m 0s												0000 RTLT 44h 10m 6s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	14 [D]   0805												..... 10 .....     ..... 40 .....   1825   ..... 63 [D] .....   2225   ..... 60 .....													
32 DSN COVERAGE	..... 43 [D] .....   0735 - 1405												..... 40 .....													
S/C 32 INITIAL CONDITIONS RTLT: 36h 50m 40s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 50m 40s												0000 RTLT 36h 50m 42s													
FDS MODE XB DATA RATE(MI)													CR-5T 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:	JUN 12												JUN 13													

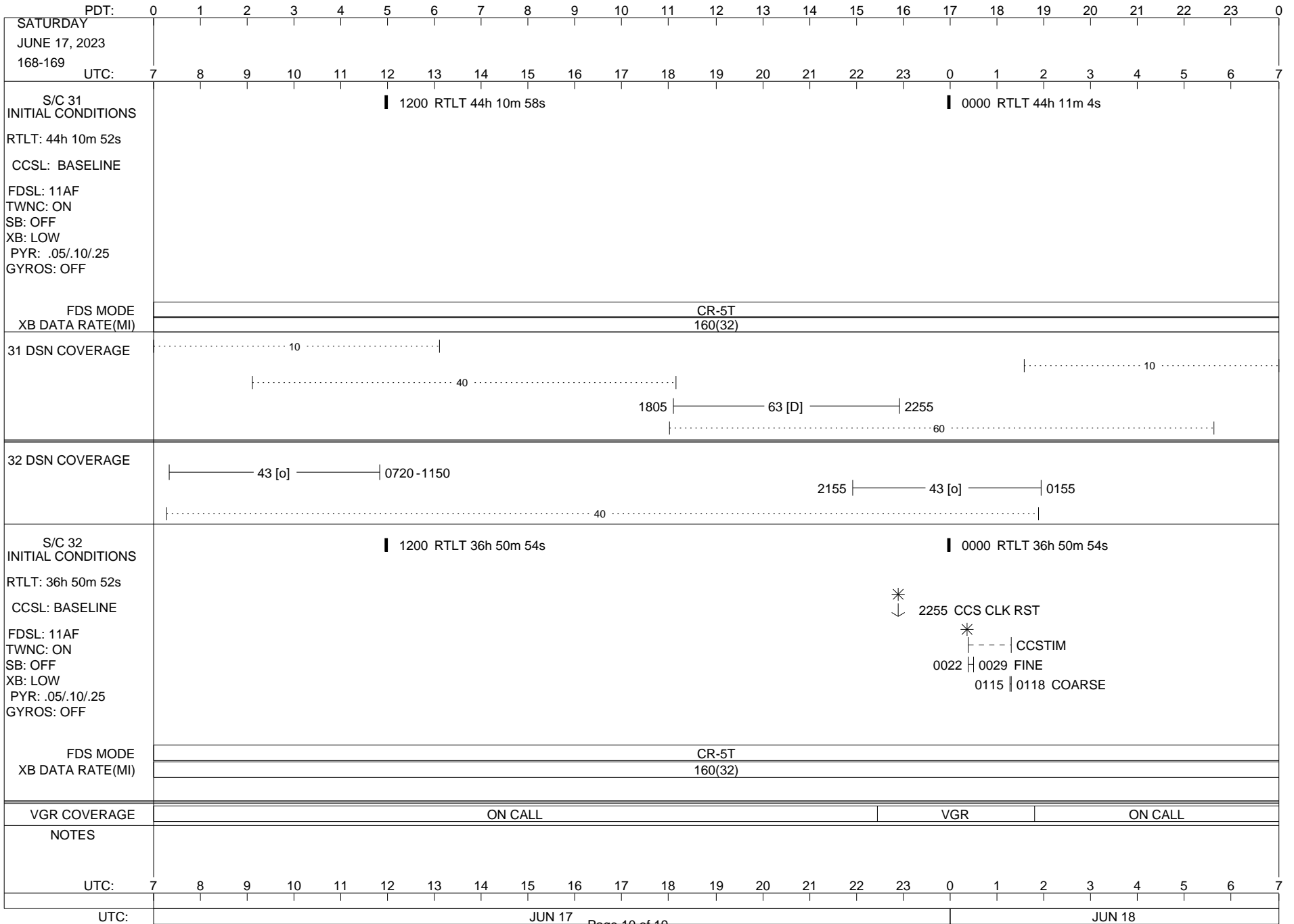


PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
WEDNESDAY JUNE 14, 2023 165-166																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 44h 10m 16s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 10m 22s												0000 RTLT 44h 10m 28s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	.....										0215-0615  -----  14 [D] -----														
	.....40.....										.....10.....														
											1905  -----  63 [D] -----  2305														
											.....60.....														
32 DSN COVERAGE											1825  -----  43 [D] -----  2225														
	.....40.....																								
S/C 32 INITIAL CONDITIONS RTLT: 36h 50m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 50m 46s												0000 RTLT 36h 50m 46s												
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:	JUN 14												JUN 15												



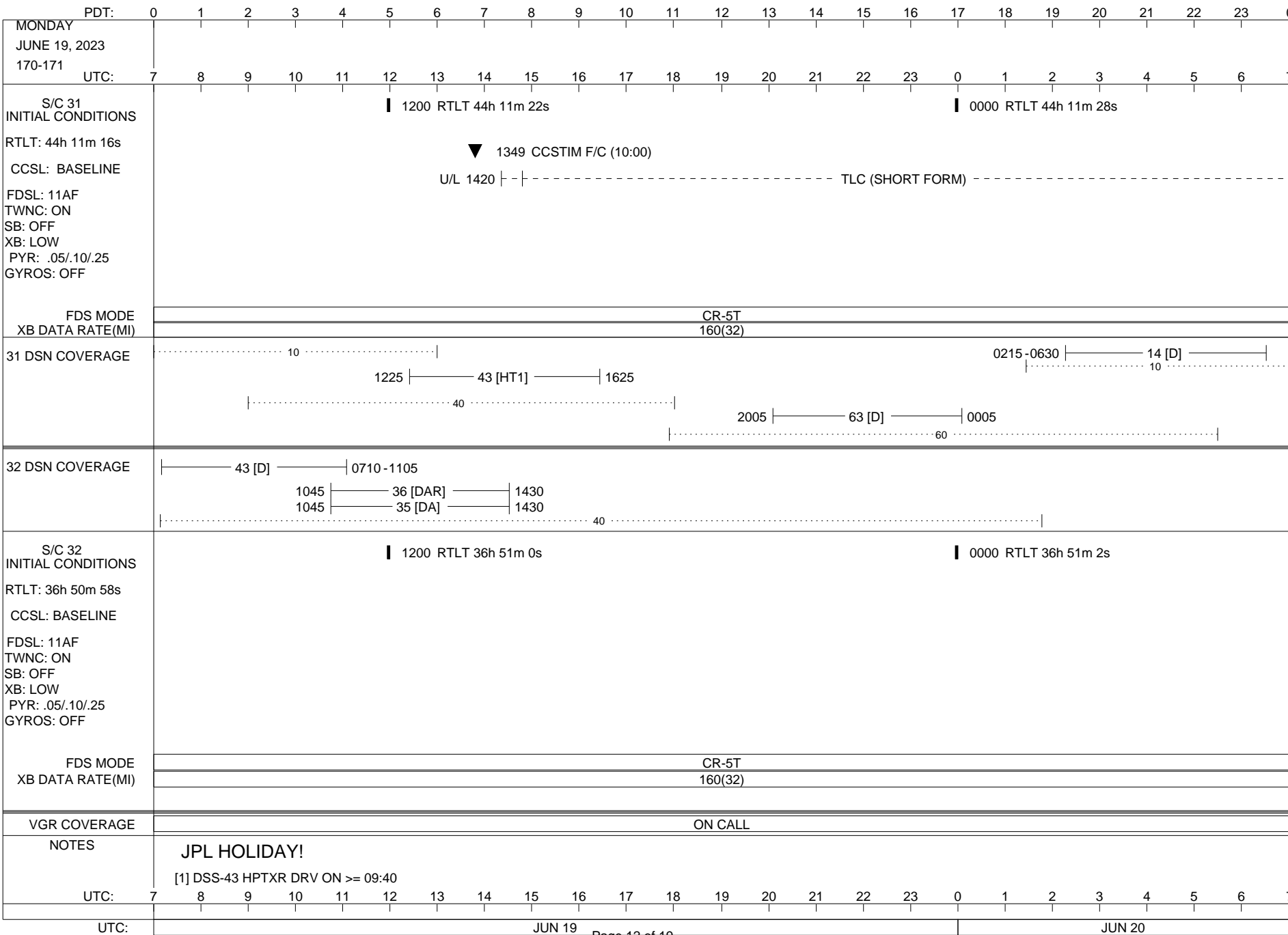
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THURSDAY JUNE 15, 2023 166-167	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 44h 10m 28s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 10m 34s												0000 RTLT 44h 10m 40s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	..... 10 .....												0145-0635  ----- 14 [D] -----  ..... 10 .....													
	----- 40 .....												----- 60 .....													
32 DSN COVERAGE	----- 43 [D] -----												0725 -2100  ----- 40 .....													
S/C 32 INITIAL CONDITIONS RTLT: 36h 50m 46s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 50m 48s												0000 RTLT 36h 50m 48s													
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:	JUN 15													JUN 16												





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 JUNE 18, 2023 169-170	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 11m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 11m 10s												0000 RTLT 44h 11m 16s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1015  ----- 14 [D] -----  1300  ----- 10 -----   ----- 40 -----												1800  ----- 63 [D] -----  0015  ----- 60 -----												
32 DSN COVERAGE	1800  ----- 43 [D] -----  0100  ----- 40 -----																								
S/C 32 INITIAL CONDITIONS RTLT: 36h 50m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 50m 56s												0000 RTLT 36h 50m 58s												
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:	JUN 18												JUN 19												

ISSUE DATE: 06/11/23 16:16



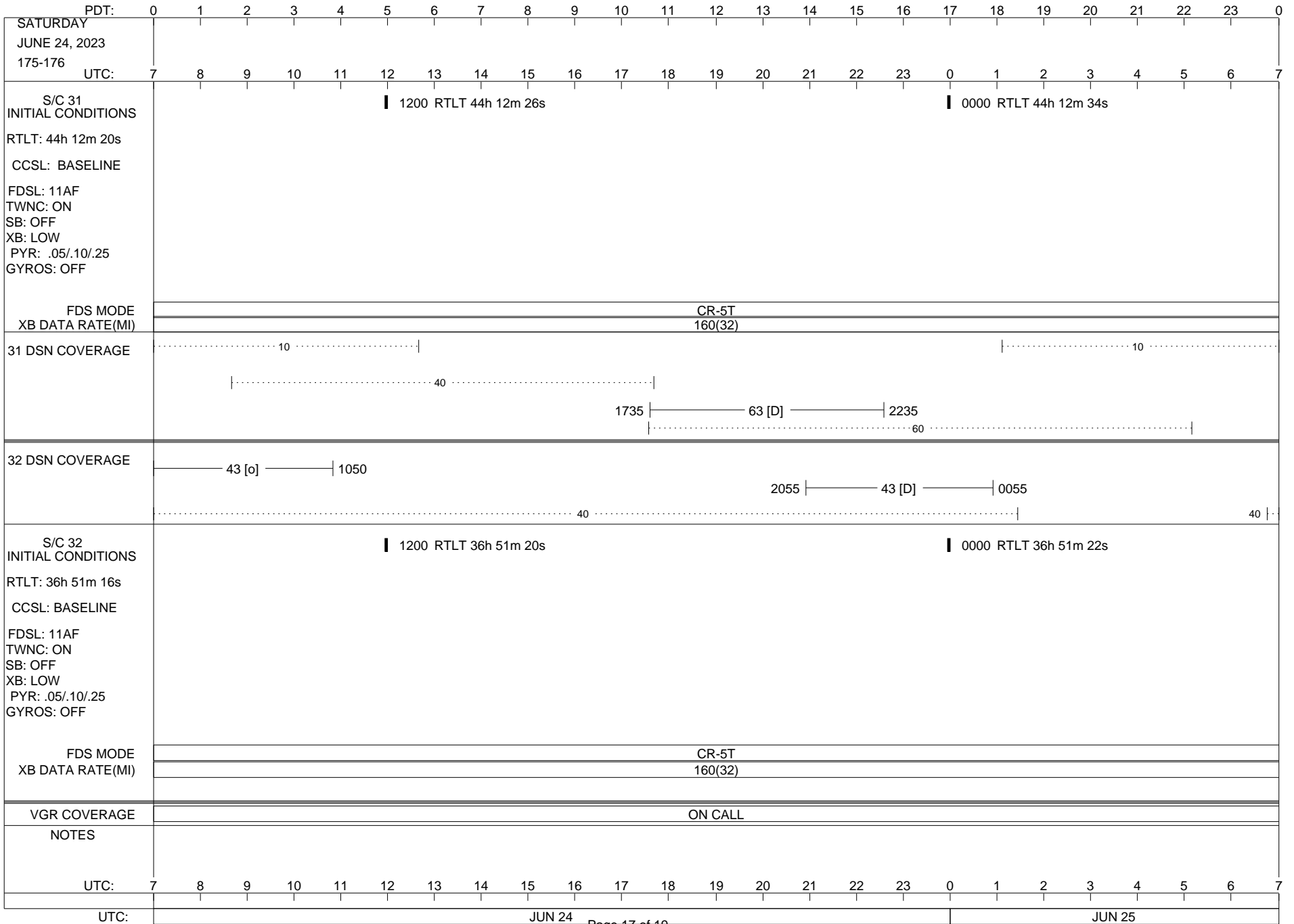
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TUESDAY JUNE 20, 2023 171-172	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLTL: 44h 11m 28s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 44h 11m 34s												0000 RTLTL 44h 11m 40s															
----- TLC (SHORT FORM) -----																												
1247   1248 PWS/RH												0504   - MAGCAL - 0504   - PESCAL -																
↓ 1247 GS-4B 1248																												
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	..... 10 .....										..... 40 .....										0350  ----- 14 [D] -----							
	..... 40 .....										..... 60 .....										1845  ----- 63 [D] -----  2045							
32 DSN COVERAGE	----- 43 [D] -----  0705 - 1105										..... 40 .....										2125  ----- 2225 43 [D1] -----							
	..... 40 .....										..... 40 .....										43 [D] 0700							
S/C 32 INITIAL CONDITIONS RTLTL: 36h 51m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 36h 51m 2s												0000 RTLTL 36h 51m 4s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
VGR COVERAGE	ON CALL																											
NOTES	[1] DSS-43 ECC PIT																											
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:	JUN 20														JUN 21													

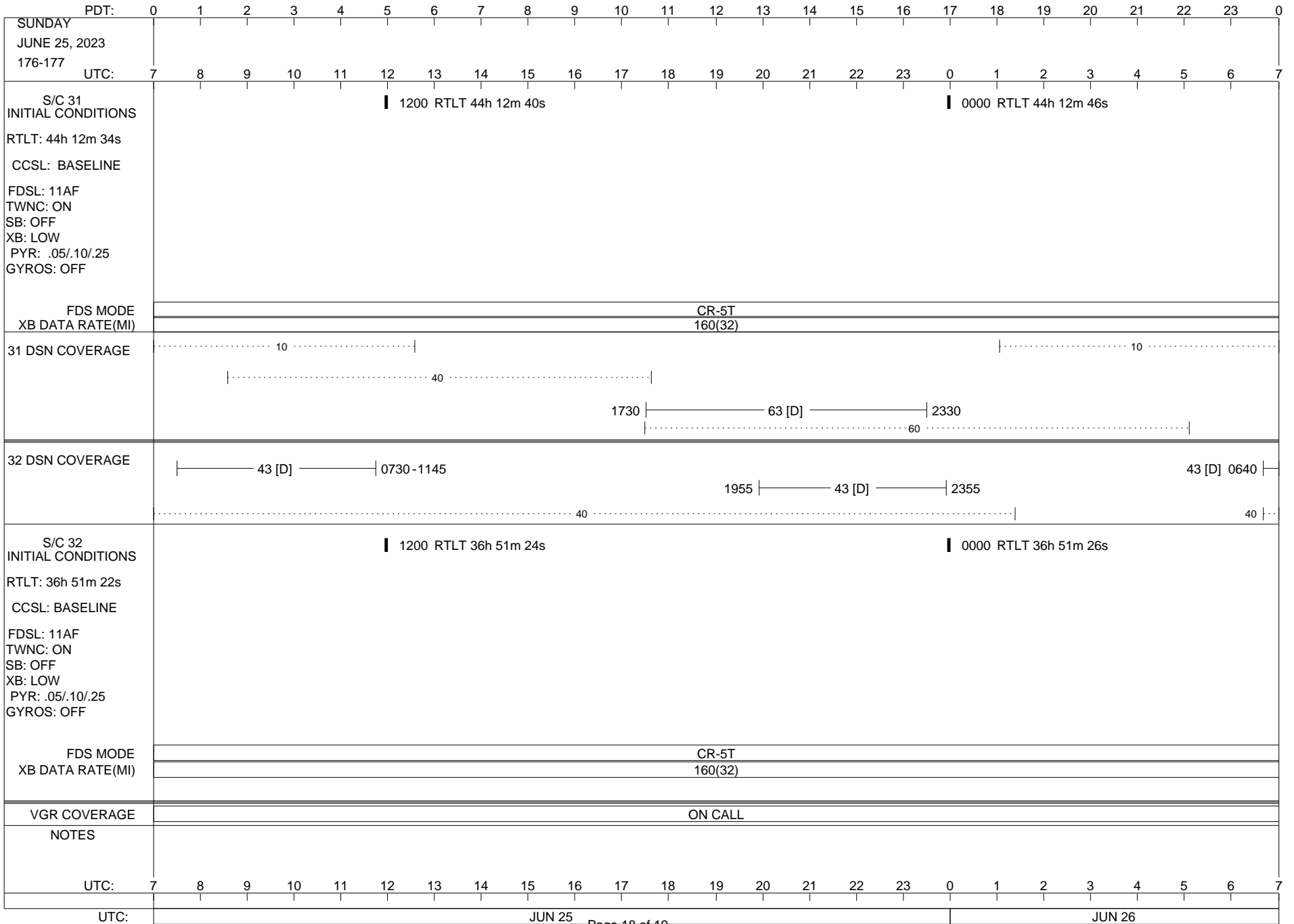
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
WEDNESDAY JUNE 21, 2023 172-173																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 44h 11m 40s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 44h 11m 46s												0000 RTLTL 44h 11m 54s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	14 [D]   1230												0120   14 [D]   0535													
	.....10.....												.....10.....													
	.....40.....												1930   63 [D]   2330													
													.....60.....													
32 DSN COVERAGE	43 [D]   0700-1100																									
	.....40.....												.....40.....													
S/C 32 INITIAL CONDITIONS RTLTL: 36h 51m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 36h 51m 6s												0000 RTLTL 36h 51m 8s													
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:	JUN 21													JUN 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
THURSDAY JUNE 22, 2023 173-174	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 11m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 12m 0s												0000 RTLT 44h 12m 6s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	..... 10 .....												..... 10 .....												
	..... 40 .....												..... 40 .....												
	..... 1930 .....												..... 63 [D] .....												
	..... 60 .....												..... 0110 .....												
32 DSN COVERAGE	..... 43 [D] .....												..... 0725-1225 .....												
	..... 40 .....												..... 40 .....												
S/C 32 INITIAL CONDITIONS RTLT: 36h 51m 8s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 51m 10s												0000 RTLT 36h 51m 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:	JUN 22												JUN 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	
FRIDAY JUNE 23, 2023 174-175		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 12m 6s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF  FDS MODE XB DATA RATE(MI)		1200 RTLT 44h 12m 12s													0000 RTLT 44h 12m 20s												
31 DSN COVERAGE  32 DSN COVERAGE		1255  ----- 43 [D] -----  1705  ----- 40 -----													1940  ----- 63 [D] -----  2340  ----- 60 -----												
S/C 32 INITIAL CONDITIONS RTLT: 36h 51m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF  FDS MODE XB DATA RATE(MI)		0820  ----- 43 [H1] -----  1205 1145  ----- 36 [DAR] -----  1440 1145  ----- 35 [DA] -----  1440  ----- 40 -----													0904 CRS CONFIG (21:55)  0000 RTLT 36h 51m 16s												
VGR COVERAGE NOTES		VGR													ON CALL												
[1] DSS-43 HPTXR DRV ON >= 08:20																											
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:		JUN 23													JUN 24												





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 JUNE 26, 2023 177-178	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 12m 46s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 44h 12m 54s												0000 RTLT 44h 13m 0s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	.....10.....												.....10.....												
	.....40.....												2330  -----63 [D]----- 0450												
	.....60.....												.....40.....												
32 DSN COVERAGE	-----43 [D]----- 1130												2010  -----43 [D]----- 2140												
	.....40.....												.....40.....												
S/C 32 INITIAL CONDITIONS RTLT: 36h 51m 26s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 51m 28s												0000 RTLT 36h 51m 32s												
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:	JUN 26												JUN 27												