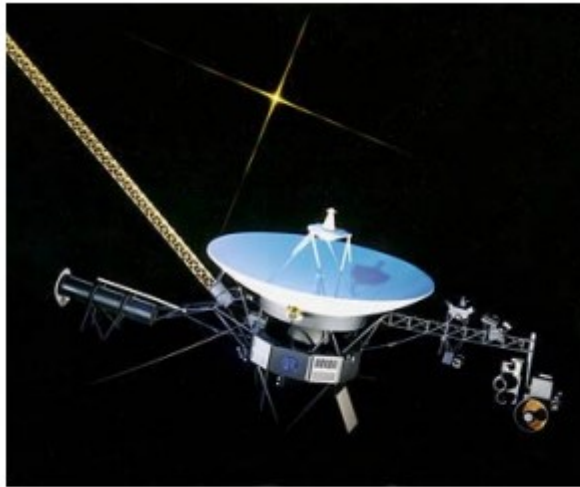


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: June 12, 2019

For the Period: 06/13/19 to 07/08/19 (19/164 – 19/189)



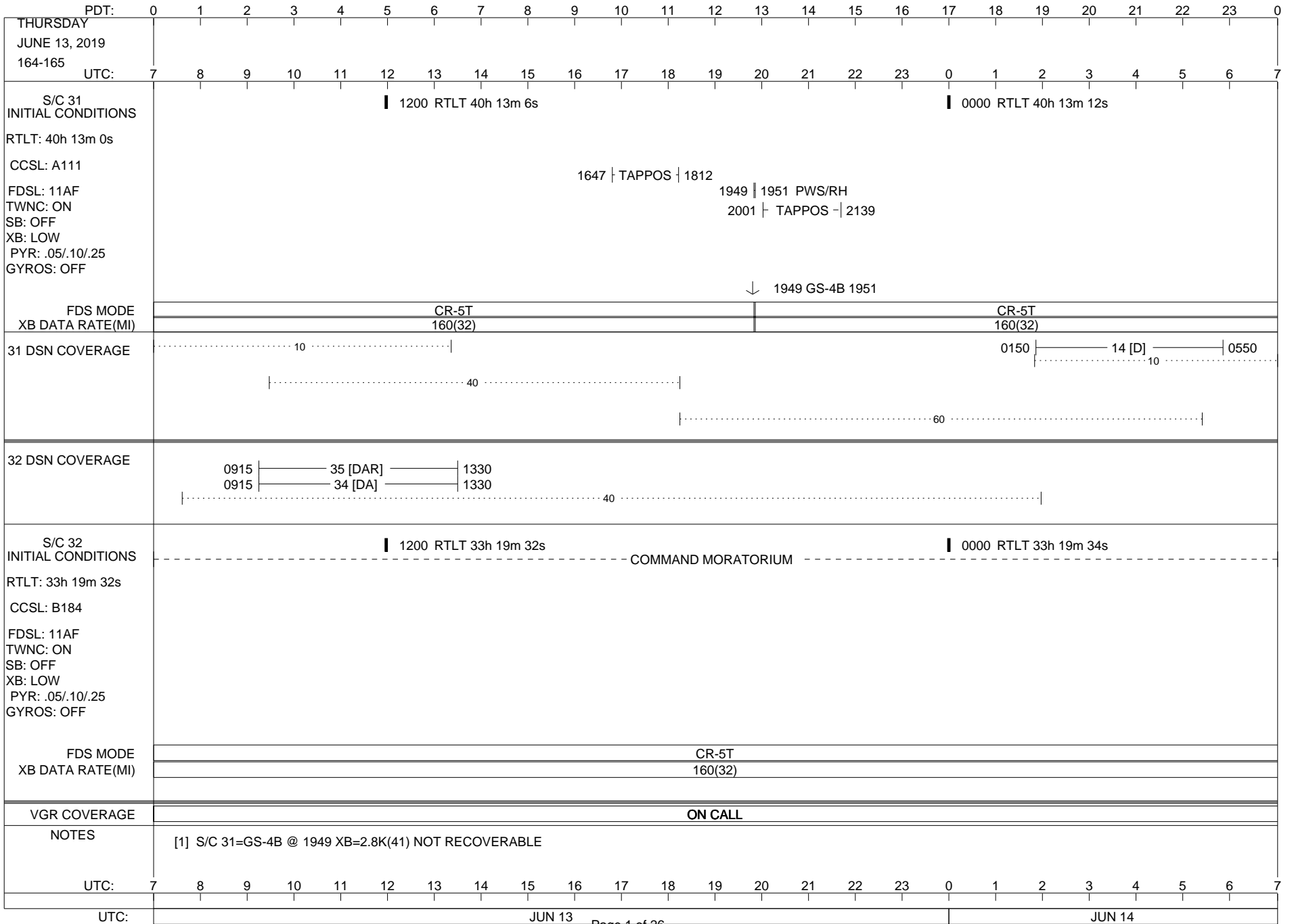
Posted at <https://voyager.jpl.nasa.gov/mission/status/>

LEGEND:

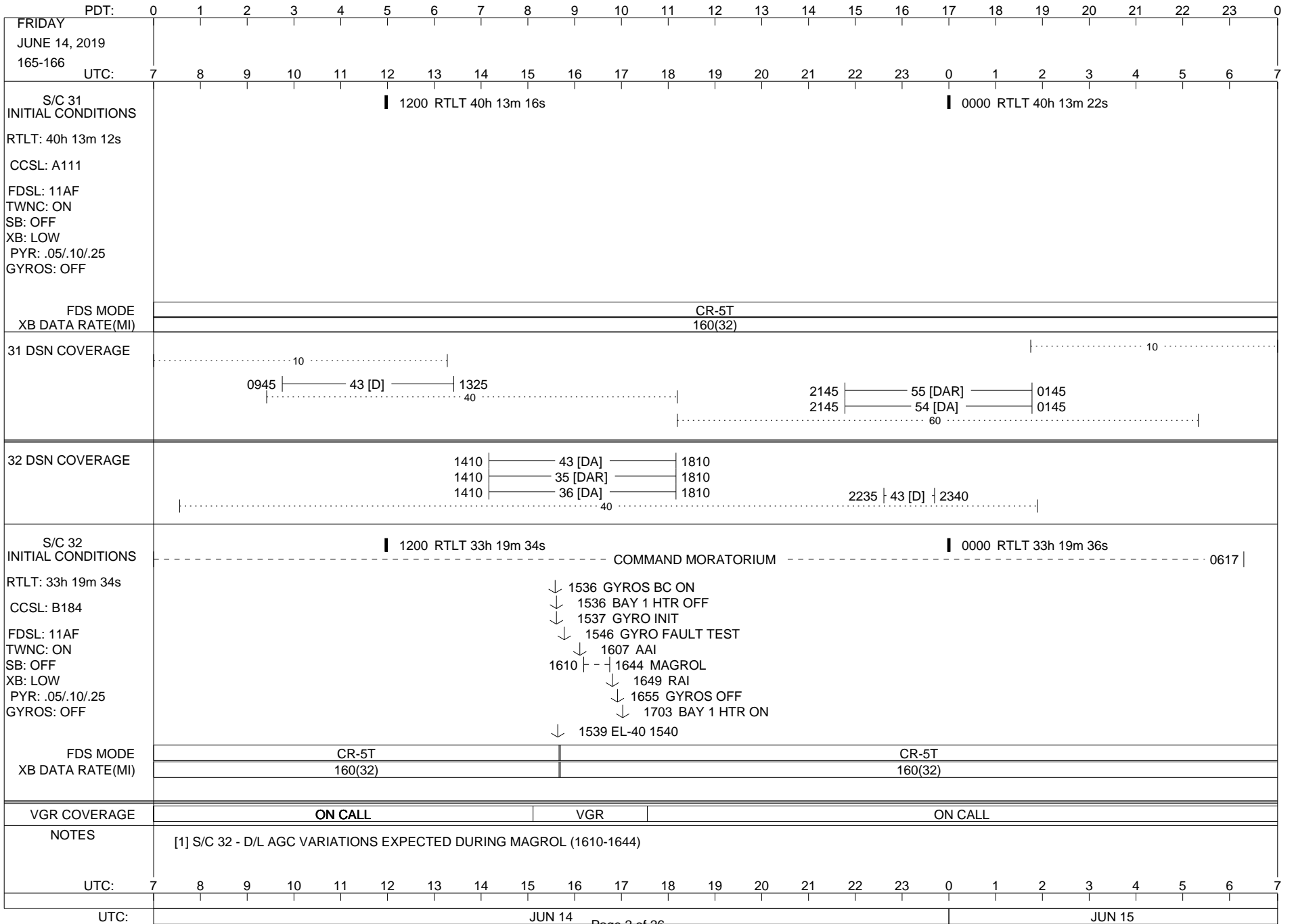
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

ISSUE DATE: 06/11/19 10:12

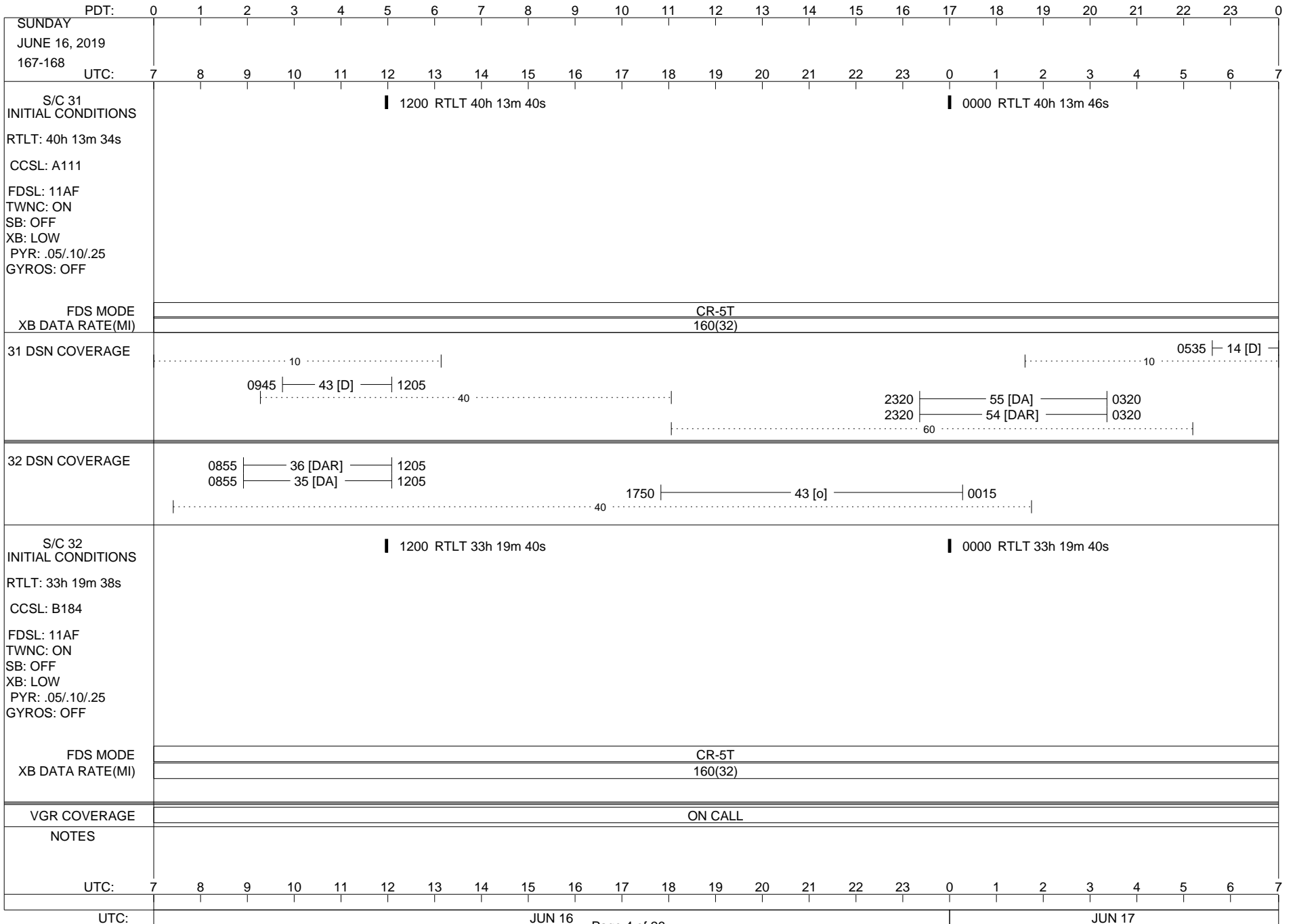


ISSUE DATE: 06/11/19 10:12



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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
SATURDAY JUNE 15, 2019 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 RTLTL: 40h 13m 22s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 13m 28s												0000 RTLTL 40h 13m 34s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE 10												0225 14 [D] 0410 10												
 40												2305 65 [DAR] 0235 2305 55 [DA] 0235 60												
32 DSN COVERAGE 43 [B] 0735 - 1205											 40												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 19m 36s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 19m 36s												0000 RTLTL 33h 19m 38s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 2249 XB=2.8K(41) NOT RECOVERABLE																								
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												

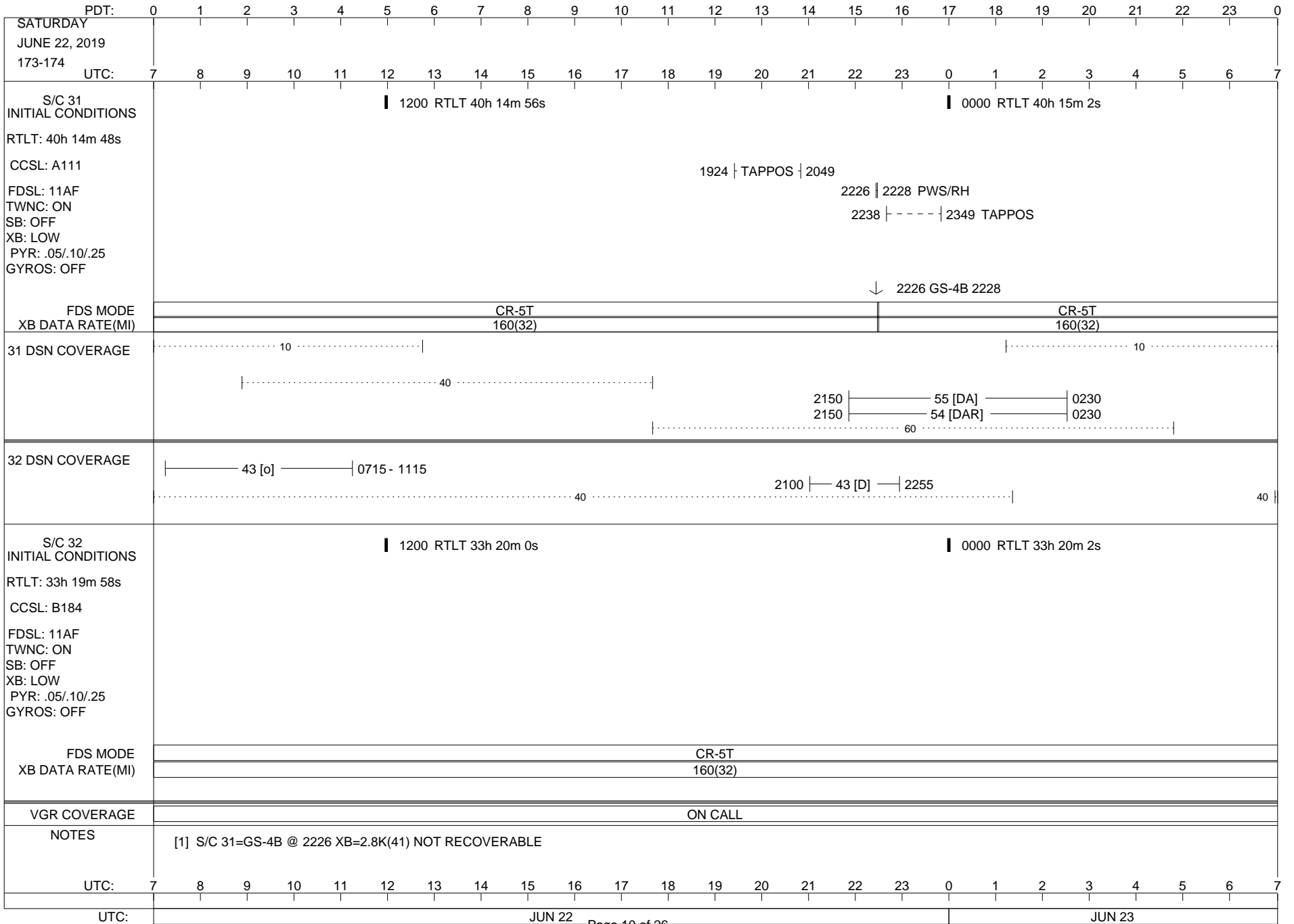


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MONDAY JUNE 17, 2019 168-169																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 40h 13m 46s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 40h 13m 52s												█ 0000 RTLT 40h 13m 58s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	14 [D] 090540..... 60.....												0520 14 [D] 10.....													
32 DSN COVERAGE	0830 43 [D] 1445 40.....																									
S/C 32 INITIAL CONDITIONS RTLT: 33h 19m 40s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 33h 19m 42s												█ 0000 RTLT 33h 19m 44s													
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 17													JUN 18												

ISSUE DATE: 06/11/19 10:12

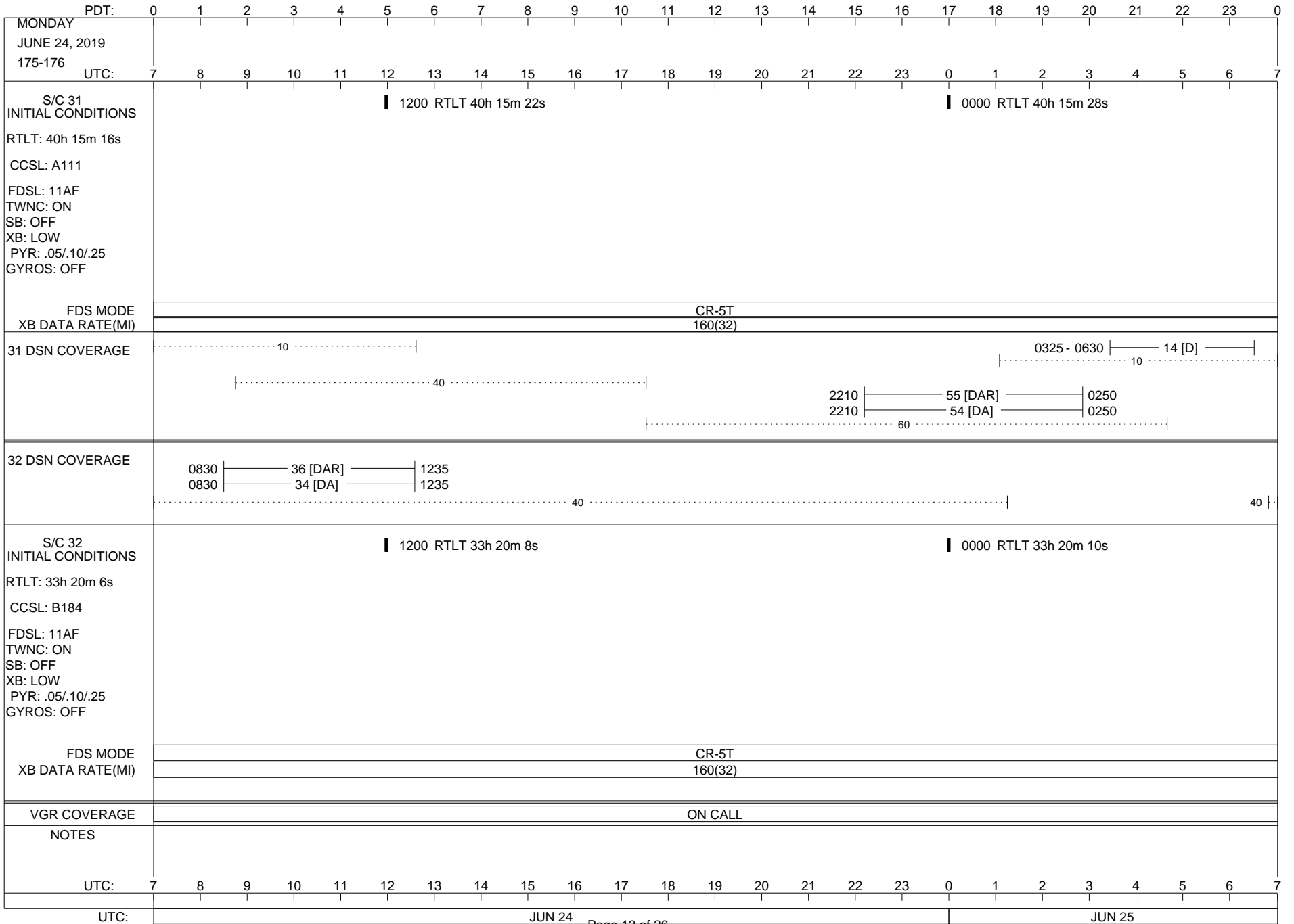
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S/C 31 INITIAL CONDITIONS RTLT: 40h 13m 58s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 14m 4s												0000 RTLT 40h 14m 10s													
	1313 1314 PWS/RH												DUMMY (21:39) 0525 ▼													
													0528 MAGCAL 0528 PESCAL													
													U/L 0550 - TLC (SHORT-FORM) - - -													
	↓ 1313 GS-4B 1314																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	14 [D] 0935										0445 14 [T]															
	-----										-----															
	10										10															
	-----										-----															
	40										60															
32 DSN COVERAGE	43 [D] 0720- 1320																									
	-----										-----															
	40																									
S/C 32 INITIAL CONDITIONS RTLT: 33h 19m 44s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 19m 46s												0000 RTLT 33h 19m 48s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1313 XB=2.8K(41) NOT RECOVERABLE																									
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												

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 21, 2019 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 RTLT: 40h 14m 36s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 14m 42s												0000 RTLT 40h 14m 48s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
31 DSN COVERAGE10.....									10.....															
40.....										2125 ----- 55 [DAR] ----- 0205 2125 ----- 54 [DA] ----- 0205 60.....															
32 DSN COVERAGE40.....										1845 ----- 43 [D] ----- 2300 															
S/C 32 INITIAL CONDITIONS RTLT: 33h 19m 54s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 19m 56s												0000 RTLT 33h 19m 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 21													JUN 22												

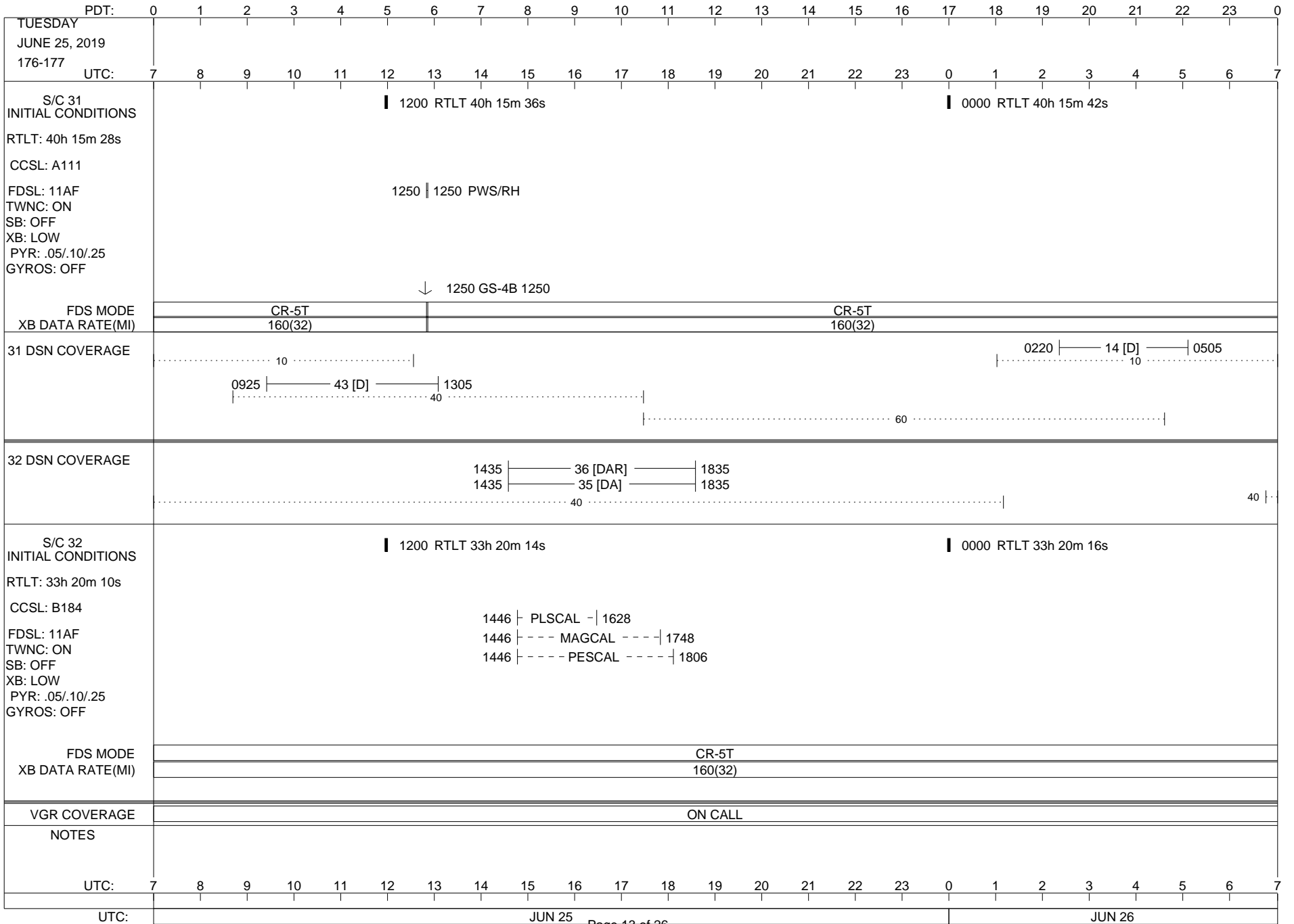


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SUNDAY JUNE 23, 2019 174-175																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 40h 15m 2s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 15m 8s												0000 RTLT 40h 15m 16s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE	-----10-----										-----10-----															
	-----40-----										-----60-----															
											2120 -----65 [DA]----- 0140 2120 -----55 [DAR]----- 0140															
											-----60-----															
32 DSN COVERAGE											1700 -----43 [D]----- 2355															
	-----40-----										-----40-----															
S/C 32 INITIAL CONDITIONS RTLT: 33h 20m 2s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 20m 4s												0000 RTLT 33h 20m 6s													
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	
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ISSUE DATE: 06/11/19 10:12



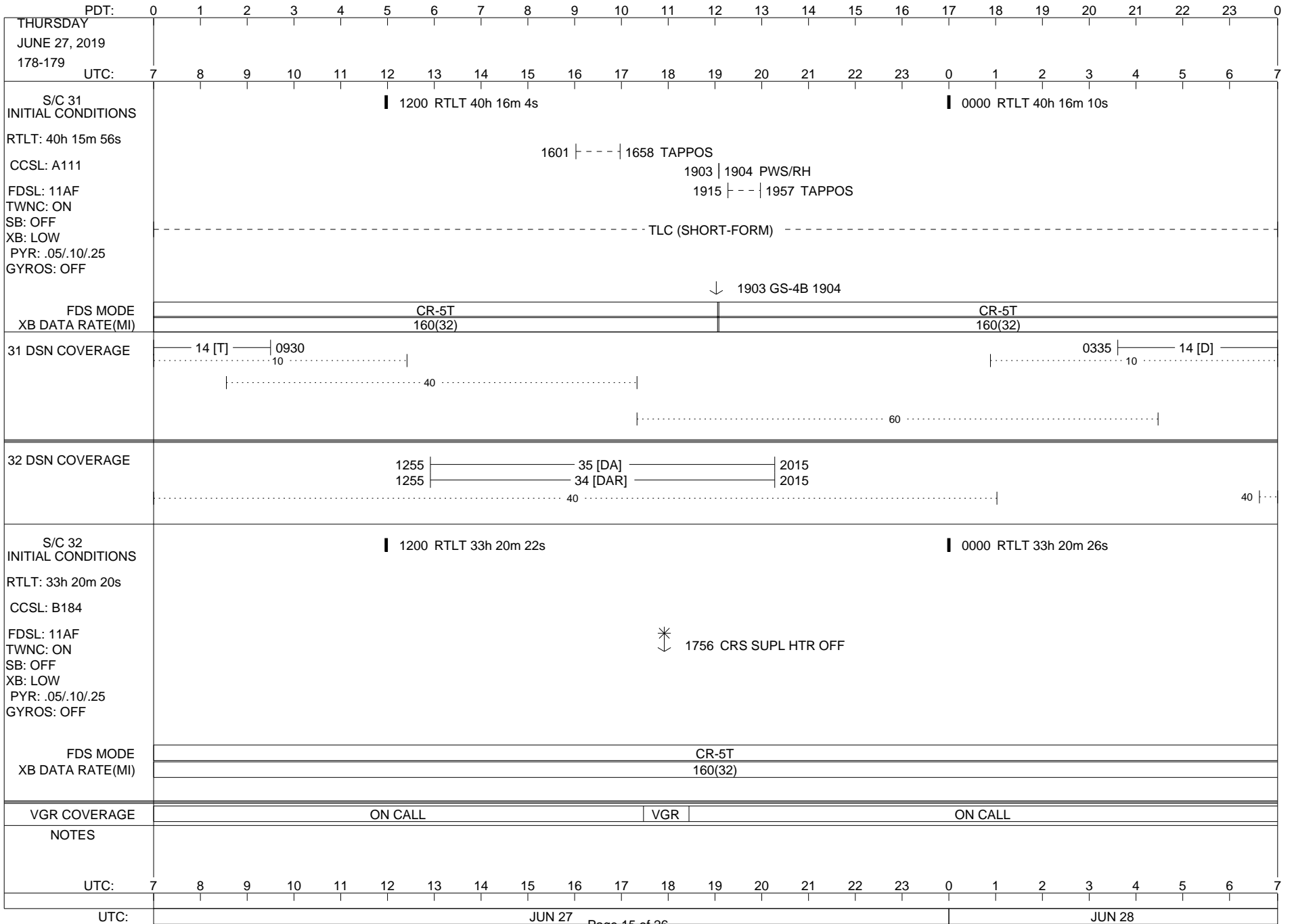
ISSUE DATE: 06/11/19 10:12

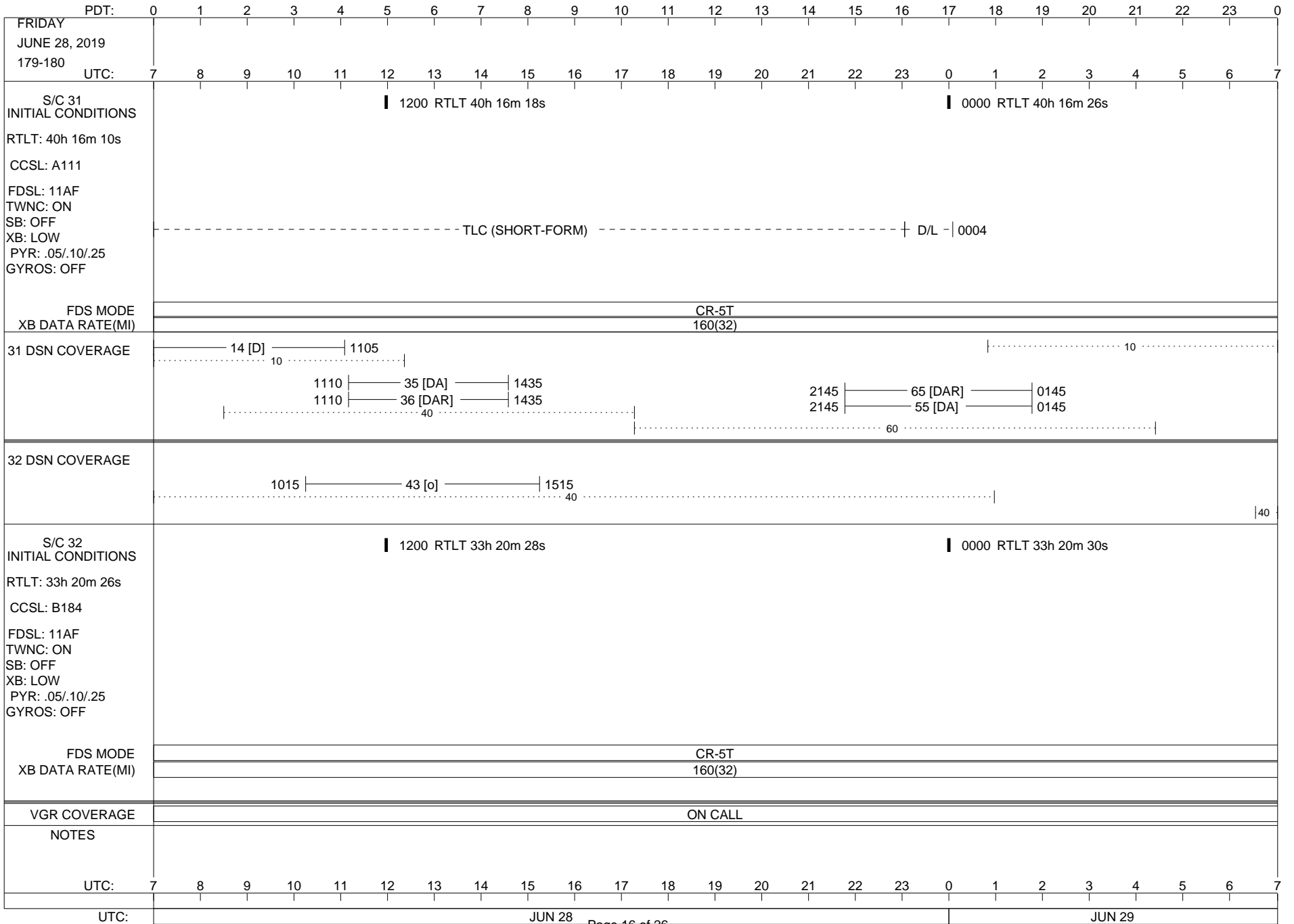


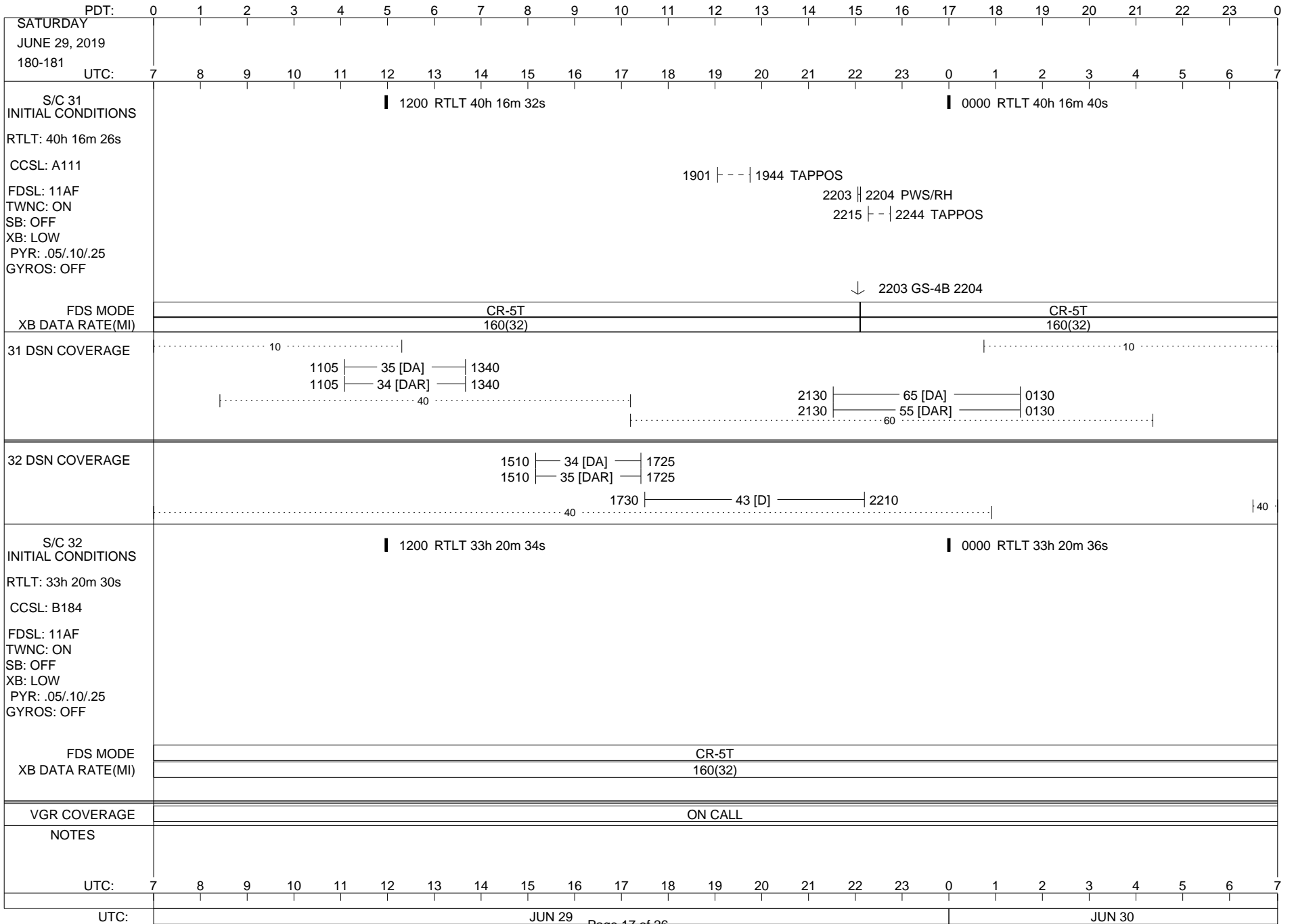
ISSUE DATE: 06/11/19 10:12

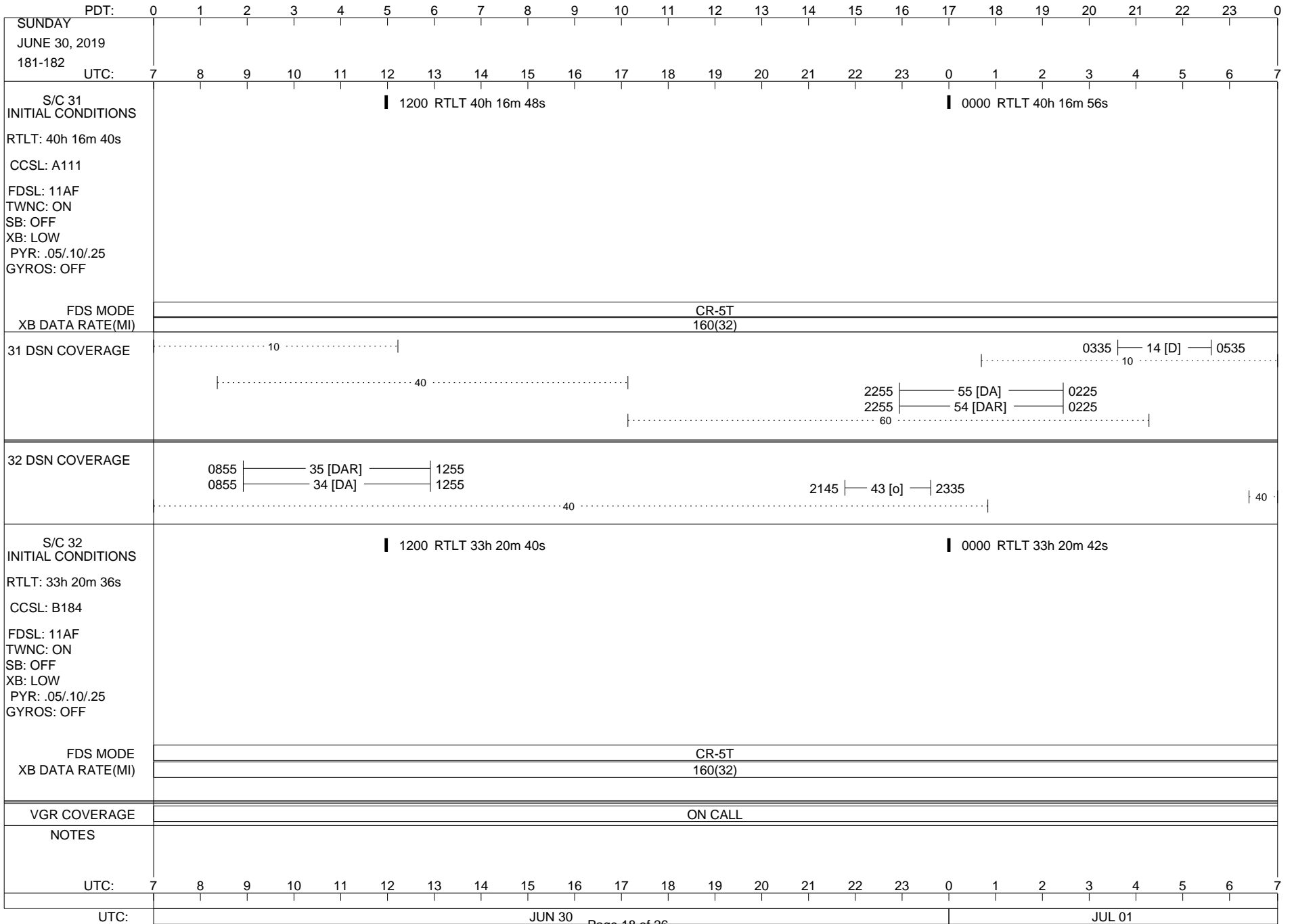
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WEDNESDAY JUNE 26, 2019 177-178	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 40h 15m 42s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 15m 50s												0000 RTLT 40h 15m 56s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												DUMMY (22:11) 0555 ▼ U/L 0620 - TLC (SHORT-FORM) -												
31 DSN COVERAGE	1155 ----- 43 [D] ----- 1555 40												0525 ----- 14 [T] ----- 10												
32 DSN COVERAGE	43 [H1] ----- 0735 - 1105 40												40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 20m 16s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 20m 18s												0000 RTLT 33h 20m 20s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												▼ 0834 CRS SUPL HTR OFF (17:55) ▼ 0845 DUMMY (18:05)												
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] DSS-43 HPTXR DRV ON >= 08:11																								
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												

ISSUE DATE: 06/11/19 10:12

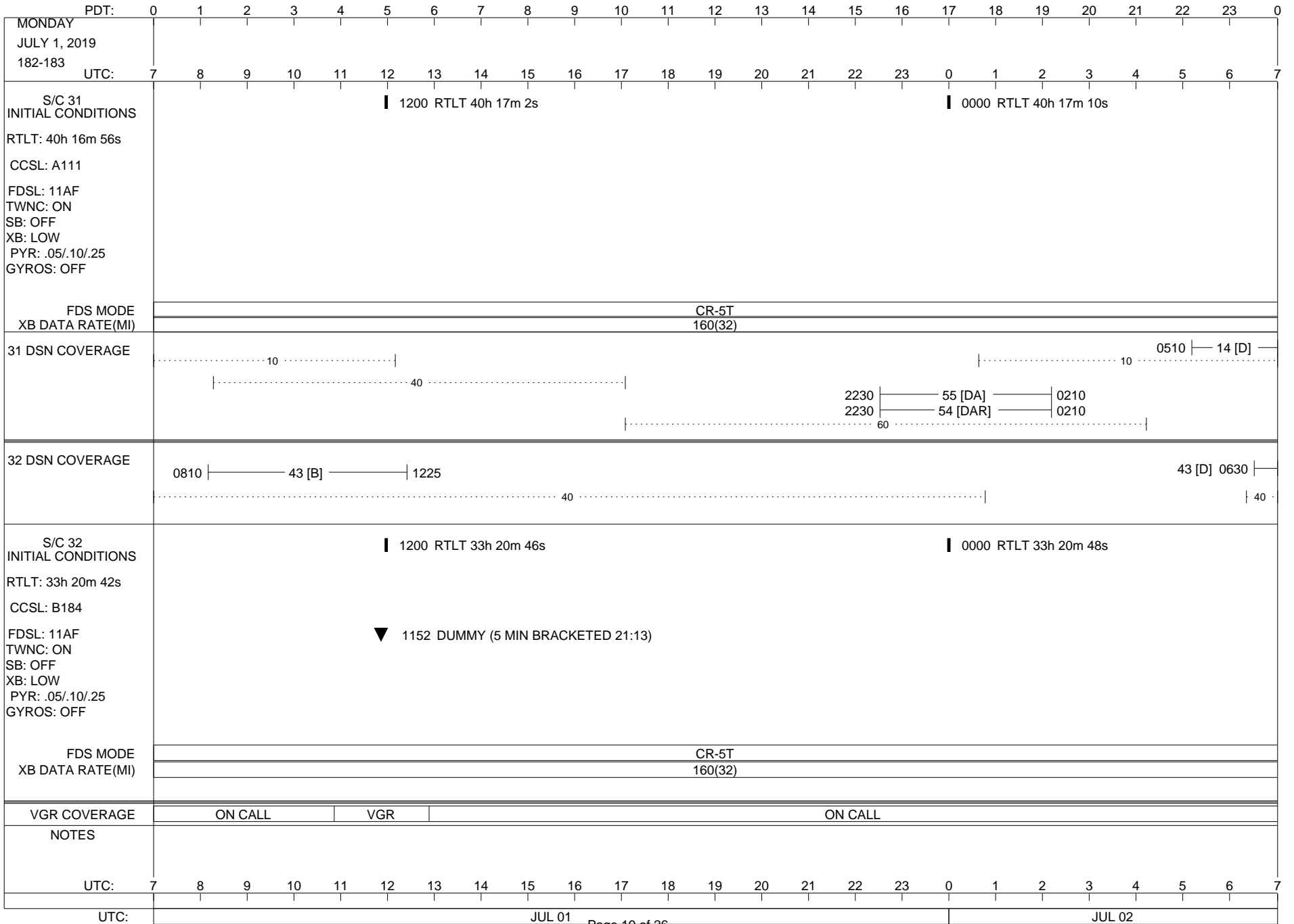


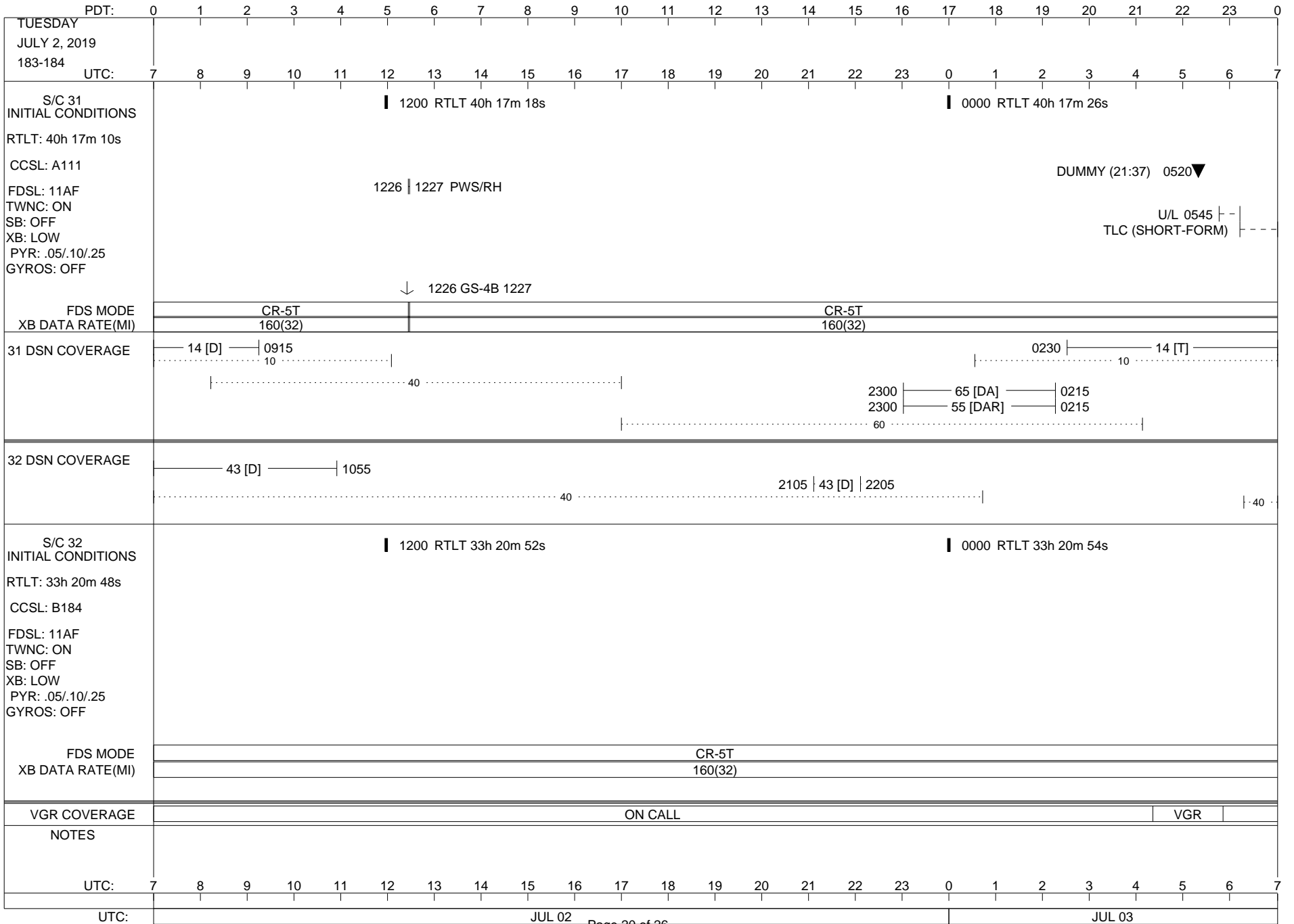






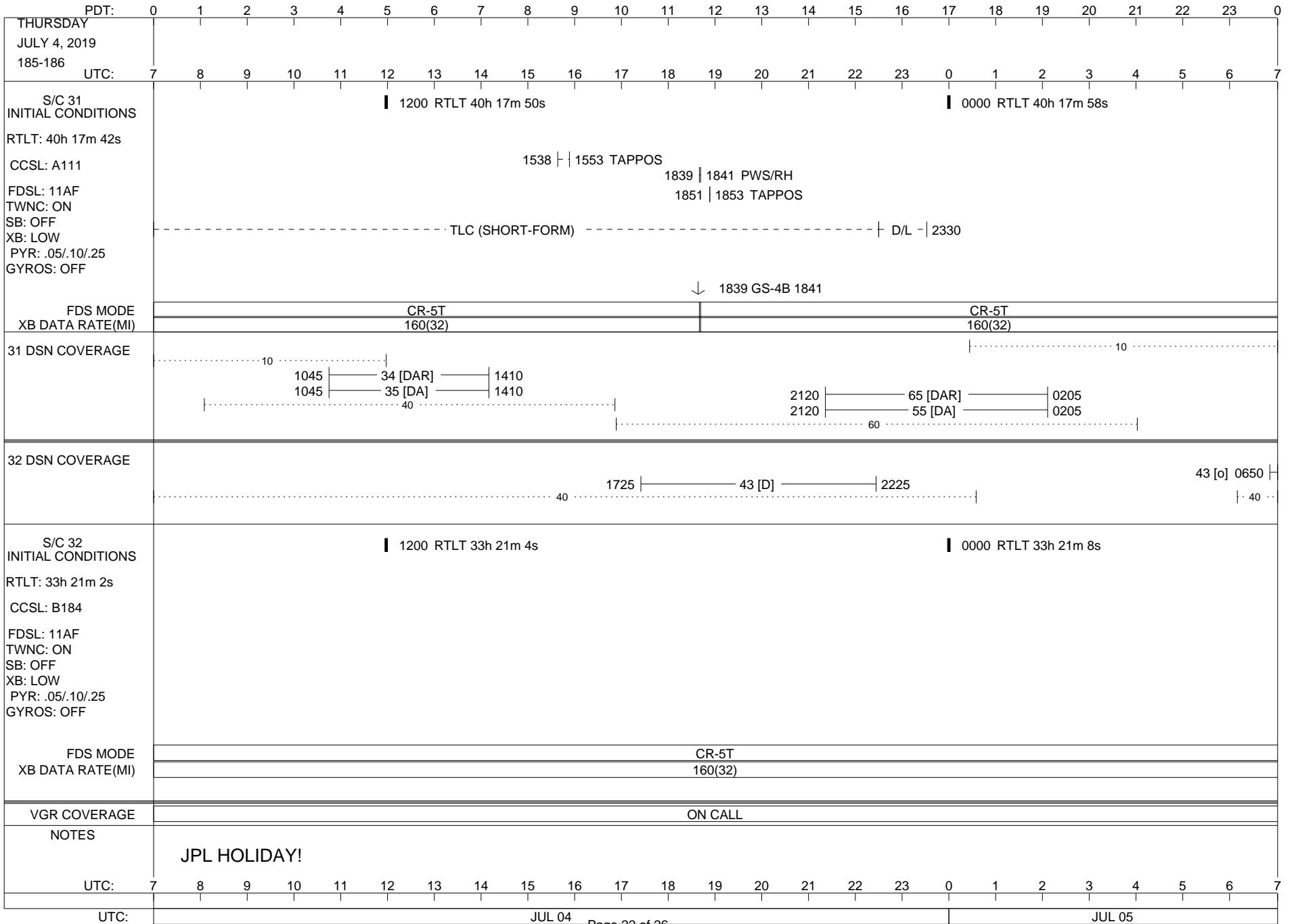
ISSUE DATE: 06/11/19 10:12



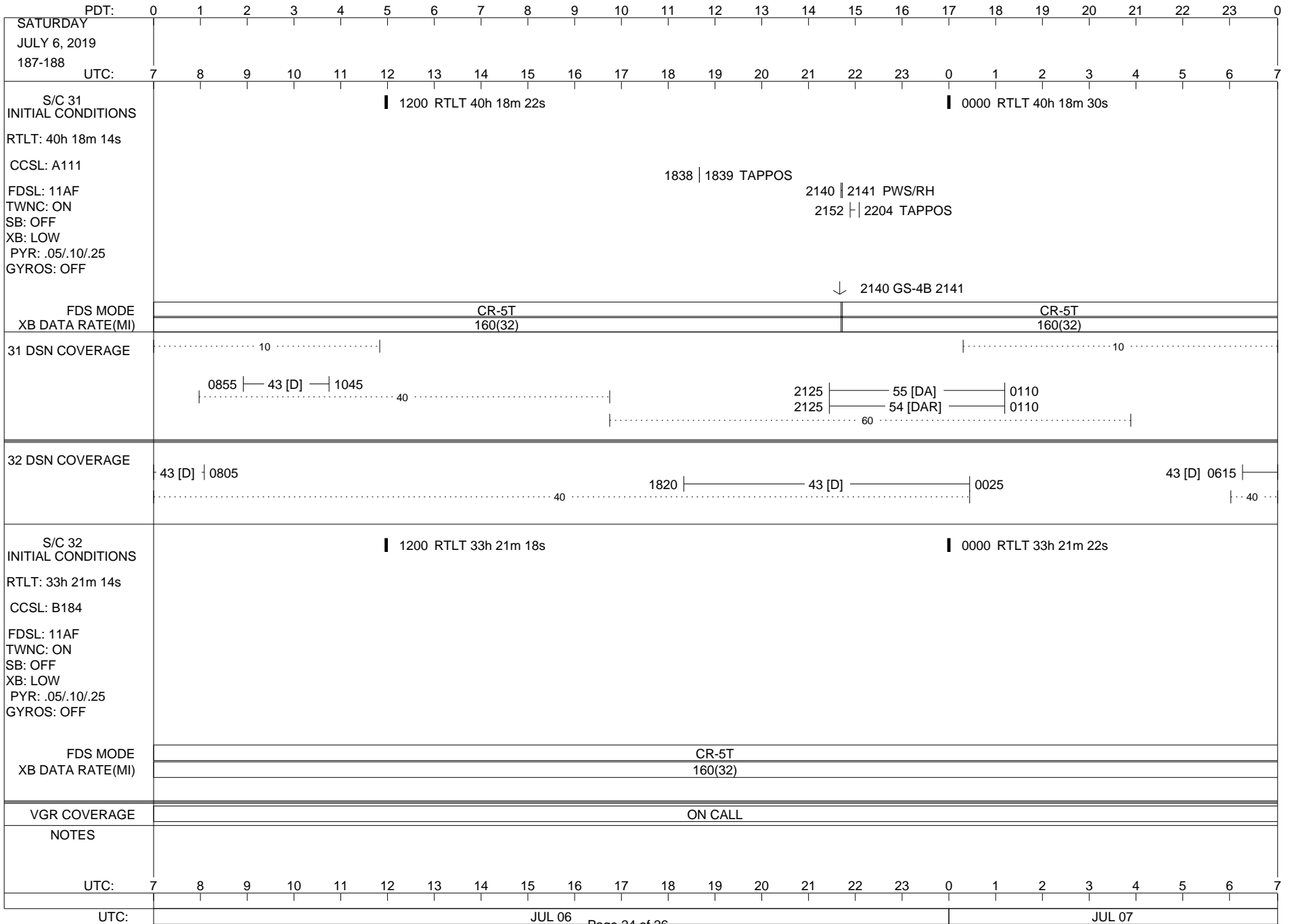


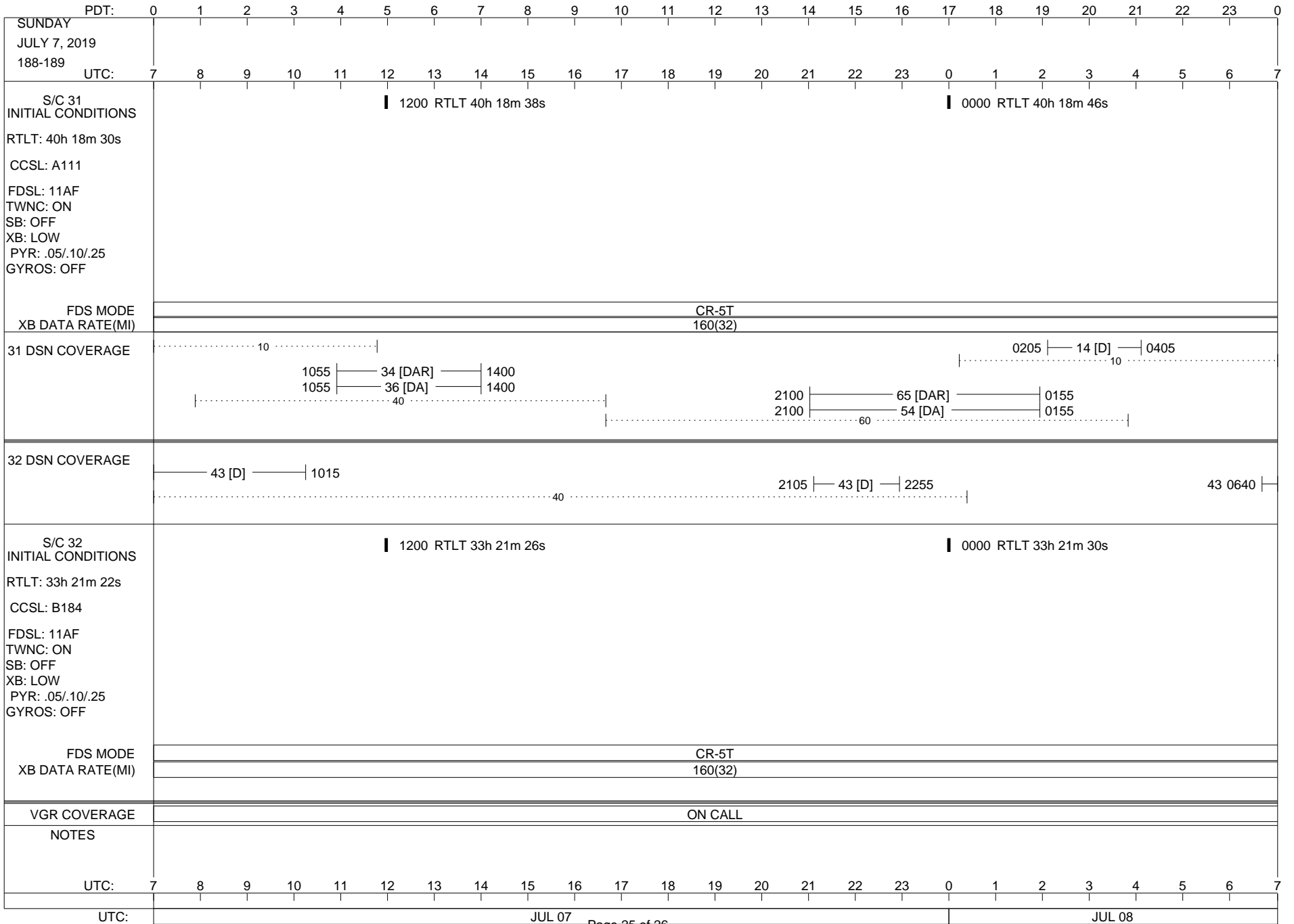
ISSUE DATE: 06/11/19 10:12

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WEDNESDAY JULY 3, 2019 184-185																												
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: 40h 17m 26s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 17m 34s												0000 RTLTL 40h 17m 42s															
----- TLC (SHORT-FORM) -----																												
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	14 [T] 0805 ----- 10 ----- 40 ----- 60 -----										0215 - 0615 ----- 14 [D] ----- 10 -----																	
32 DSN COVERAGE	0810 ----- 35 [DA] ----- 1045				0810 ----- 34 [DAR] ----- 1045				40 ----- 1850 ----- 43 [D] ----- 2250				----- 40 -----															
S/C 32 INITIAL CONDITIONS RTLTL: 33h 20m 54s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 20m 58s												0000 RTLTL 33h 21m 2s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													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:	JUL 03														JUL 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
FRIDAY JULY 5, 2019 186-187	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: 40h 17m 58s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 18m 6s												0000 RTLT 40h 18m 14s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	1040 ----- 34 [DA] ----- 1410 1040 ----- 36 [DAR] ----- 1410 ----- 40 -----												2135 ----- 55 [DAR] ----- 0205 2135 ----- 54 [DA] ----- 0205 ----- 60 -----												
32 DSN COVERAGE	43 [o] ----- 1255												2030 ----- 43 [D] ----- 2200												
S/C 32 INITIAL CONDITIONS RTLT: 33h 21m 8s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 21m 12s												0000 RTLT 33h 21m 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:	JUL 05												JUL 06												





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 8, 2019 189-190																									
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: 40h 18m 46s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 18m 54s																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	<p>..... 10 </p> <p> 40 </p>																								
32 DSN COVERAGE	<p>————— 43 ————— 1225</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 33h 21m 30s CCSL: B184 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 21m 34s																								
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 08												JUL 09												