

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: June 24, 2010

For the Period: 06/24/2010 to 07/26/2010 (10-175 – 10-207)

**DSN OPSCHIEF (1) 230-102**

**SCIENCE**

**FLIGHT TEAM (15) 600-100**

**DSOT (1) 230-102**

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- Hall, J.
- Howard, S. (3)
- Ludwig, R. (2)
- Massey, Ed
- Matsumoto, S.
- Medina, E.
- Peralta, F.
- Poynter, R.
- Weeks, T.
- Wong, R.
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- Zottarelli, L.

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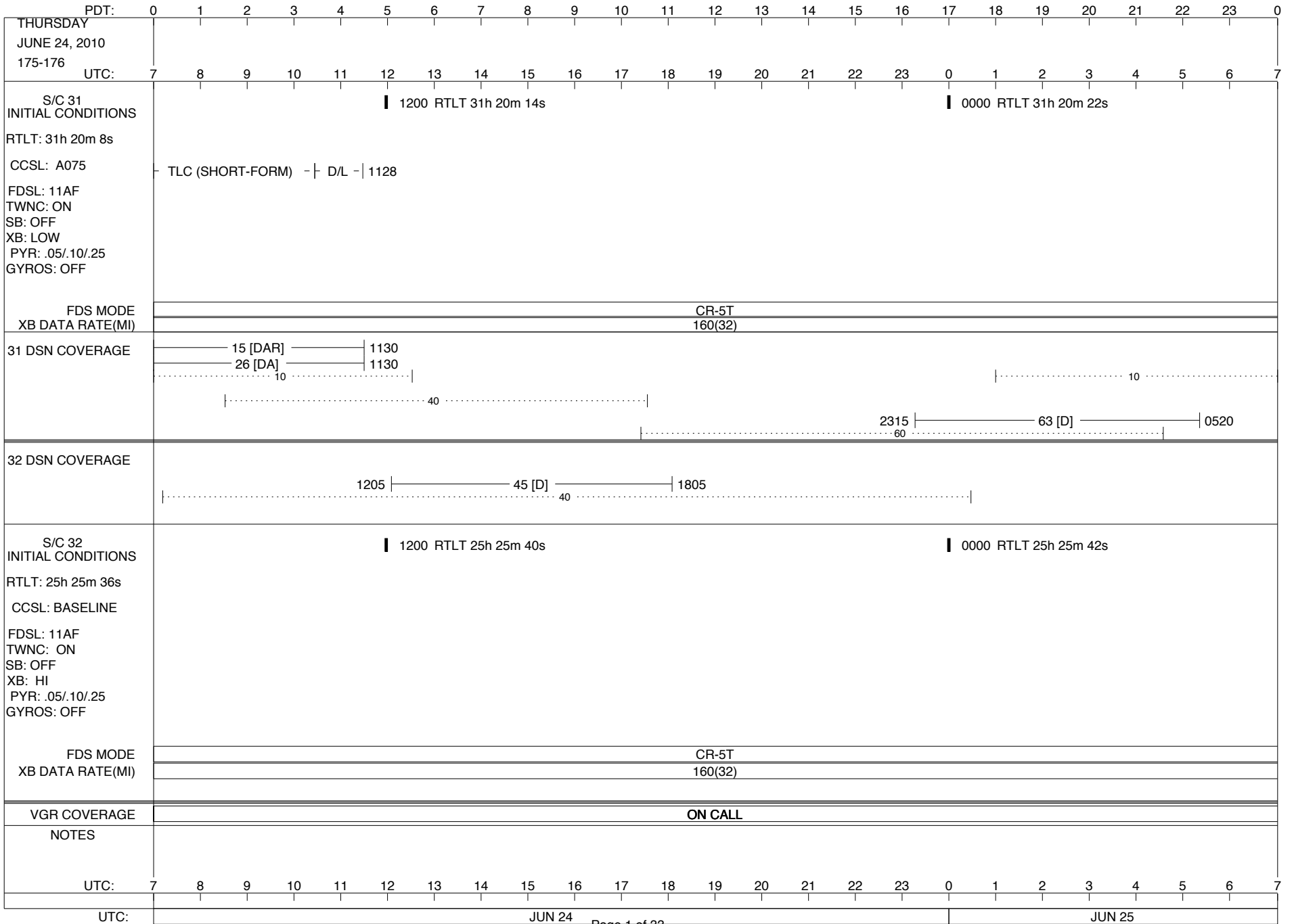
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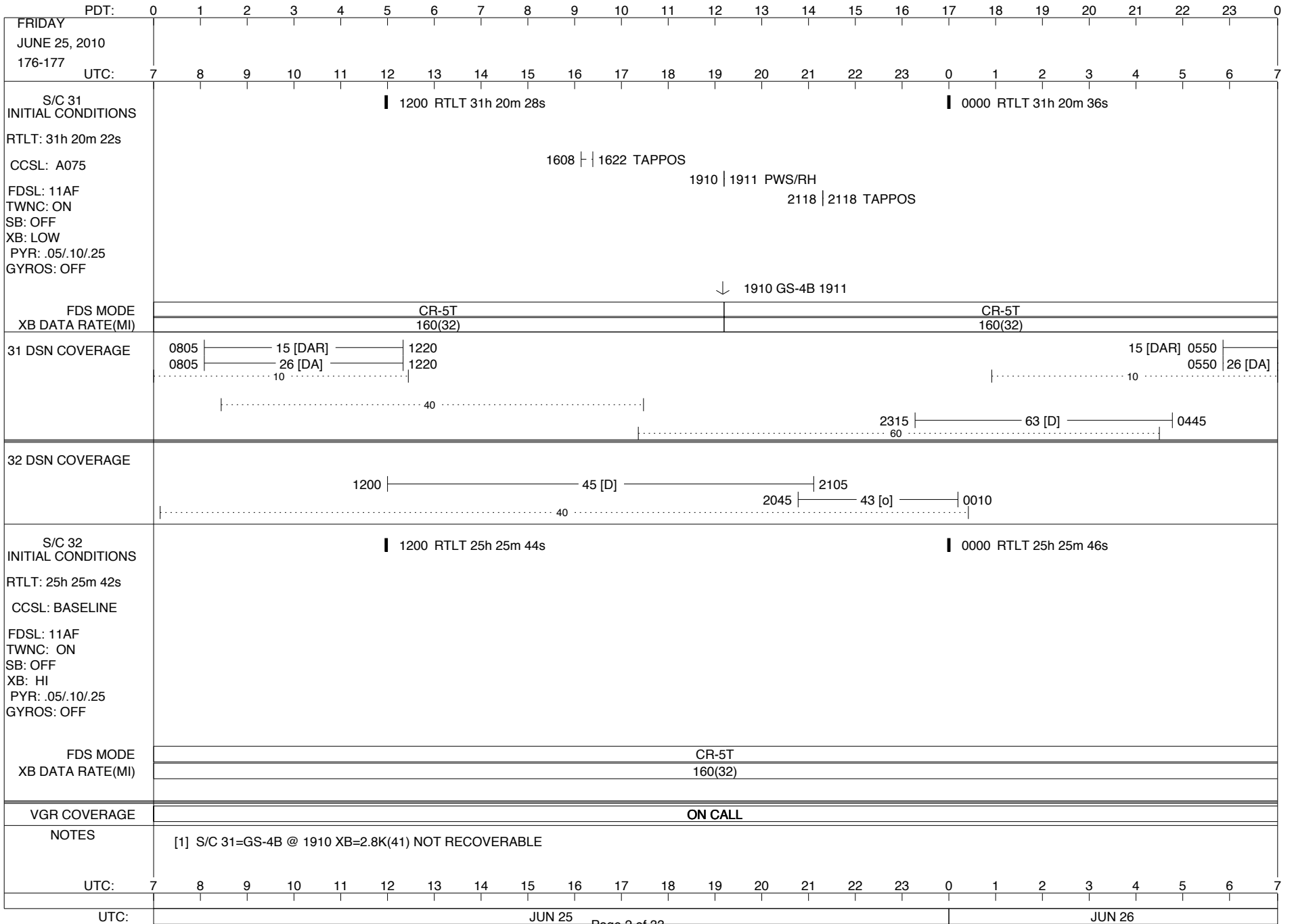
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- \* Belinda.Arroyo@jpl.nasa.gov
- \* DSN-MPSETA@jjpl.jpl.nasa.gov

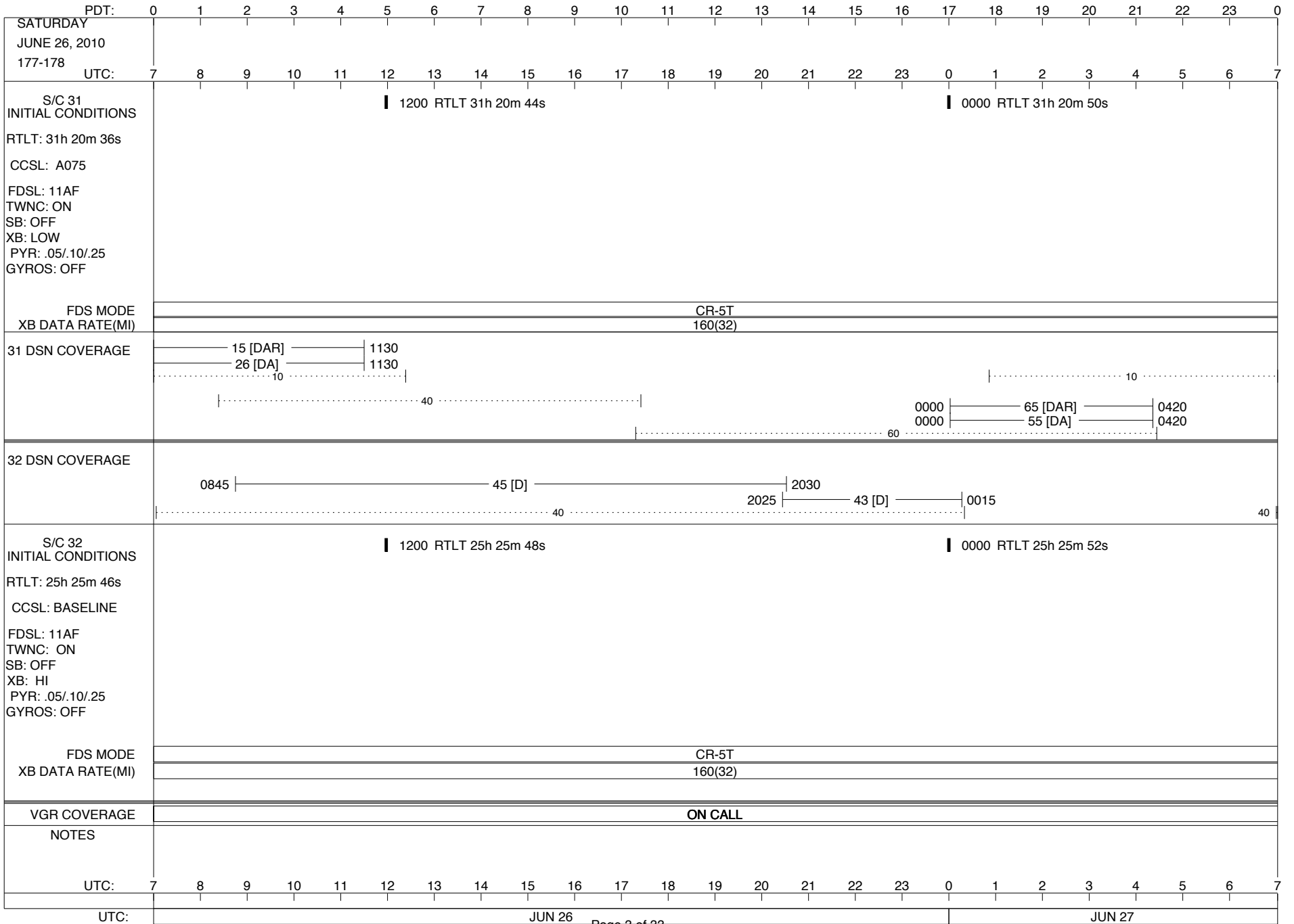
**LEGEND:**

- ▽ = 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 = 7-Point BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U = Uplink only pass
- [o] = Ramp-through

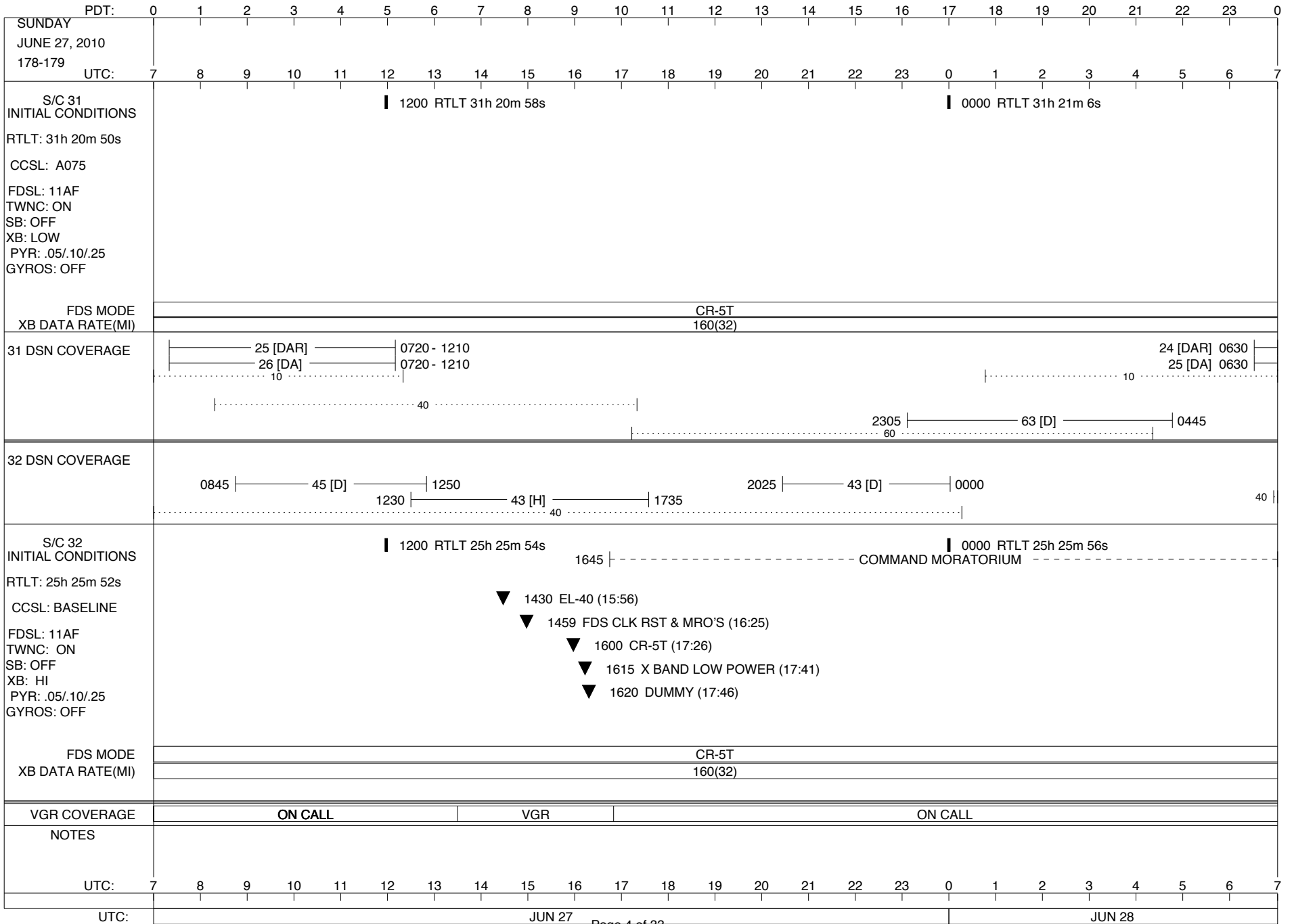
\*Electronic Copy Only  
(17 – Dist/N: Paper Copies)  
04/02/09



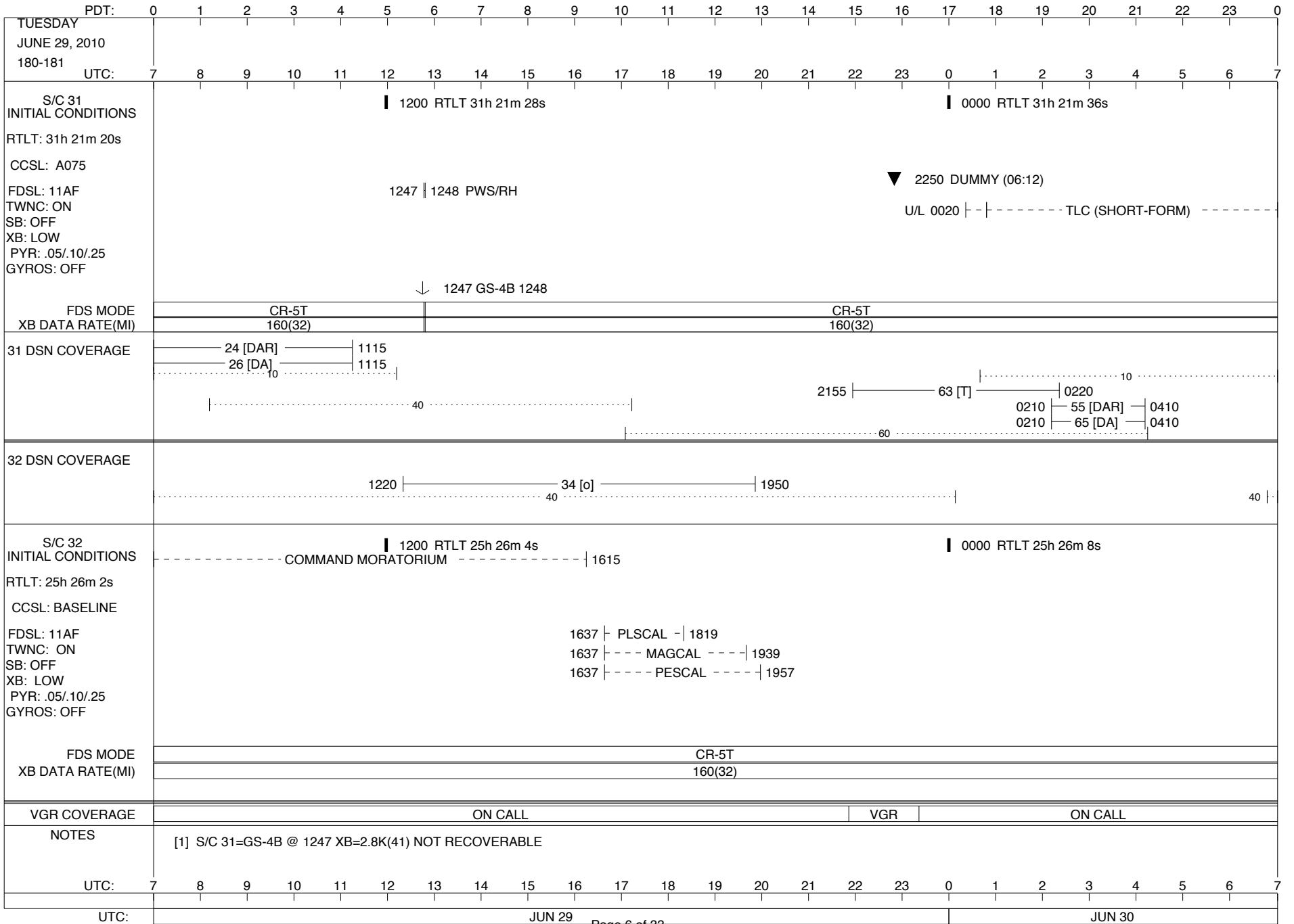




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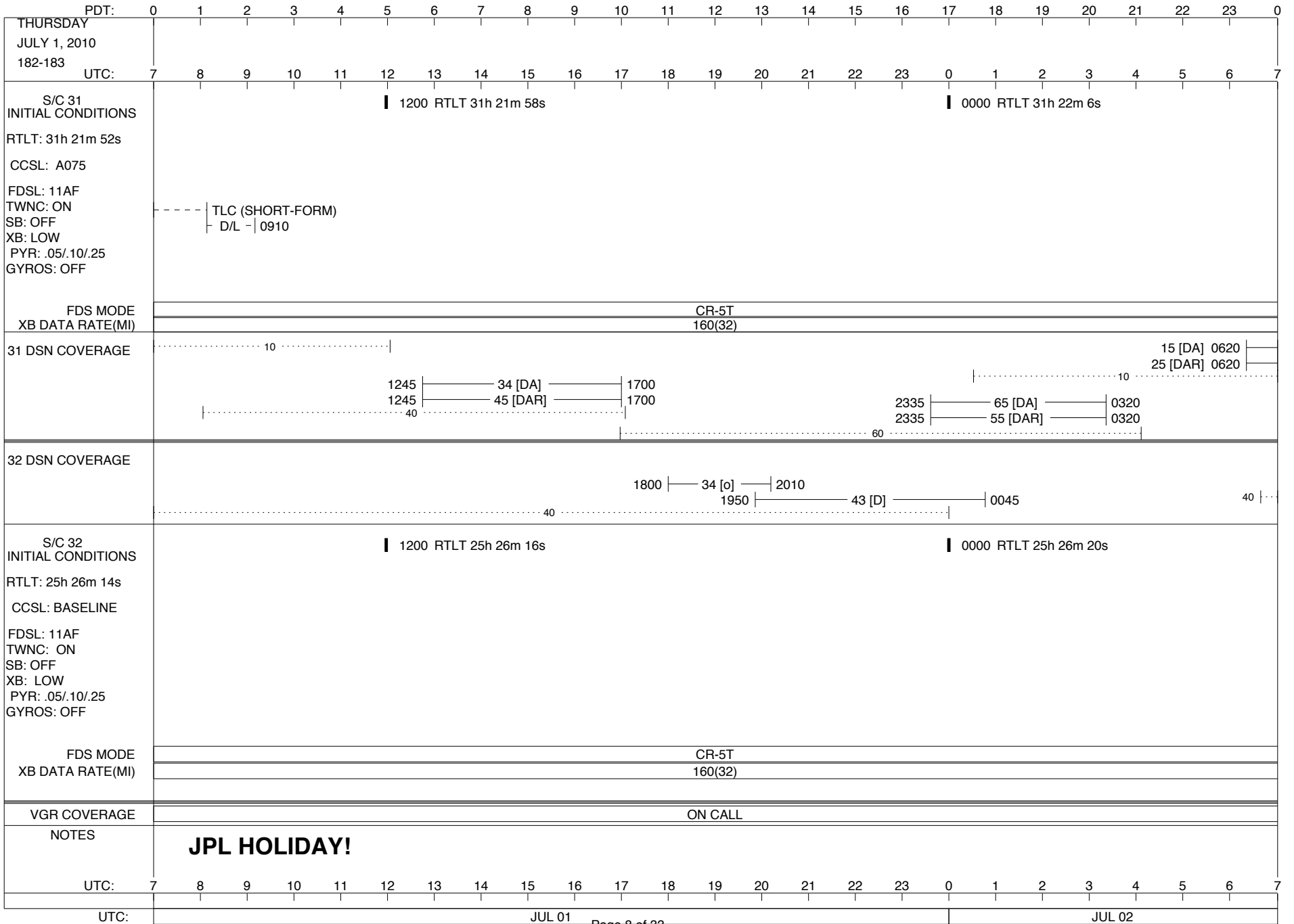
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S/C 31 INITIAL CONDITIONS RTLTL: 31h 21m 6s CCSL: A075 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 31h 21m 12s												0000 RTLTL 31h 21m 20s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	24 [DAR]   1210 25 [DA]   1210 10												24 [DAR] 0635   26 [DA] 0635   10   2320   54 [DAR]   0120 2320   55 [DA]   0120 0100   63 [D]   0505 60												
32 DSN COVERAGE	1200   40   45 [D]   2205   40																								
S/C 32 INITIAL CONDITIONS RTLTL: 25h 25m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLTL 25h 26m 0s												0000 RTLTL 25h 26m 2s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 32=EL-40 XB=40(30) @ 1557 [2] S/C 32=CR-5T XB=160(32) @ 1727																								
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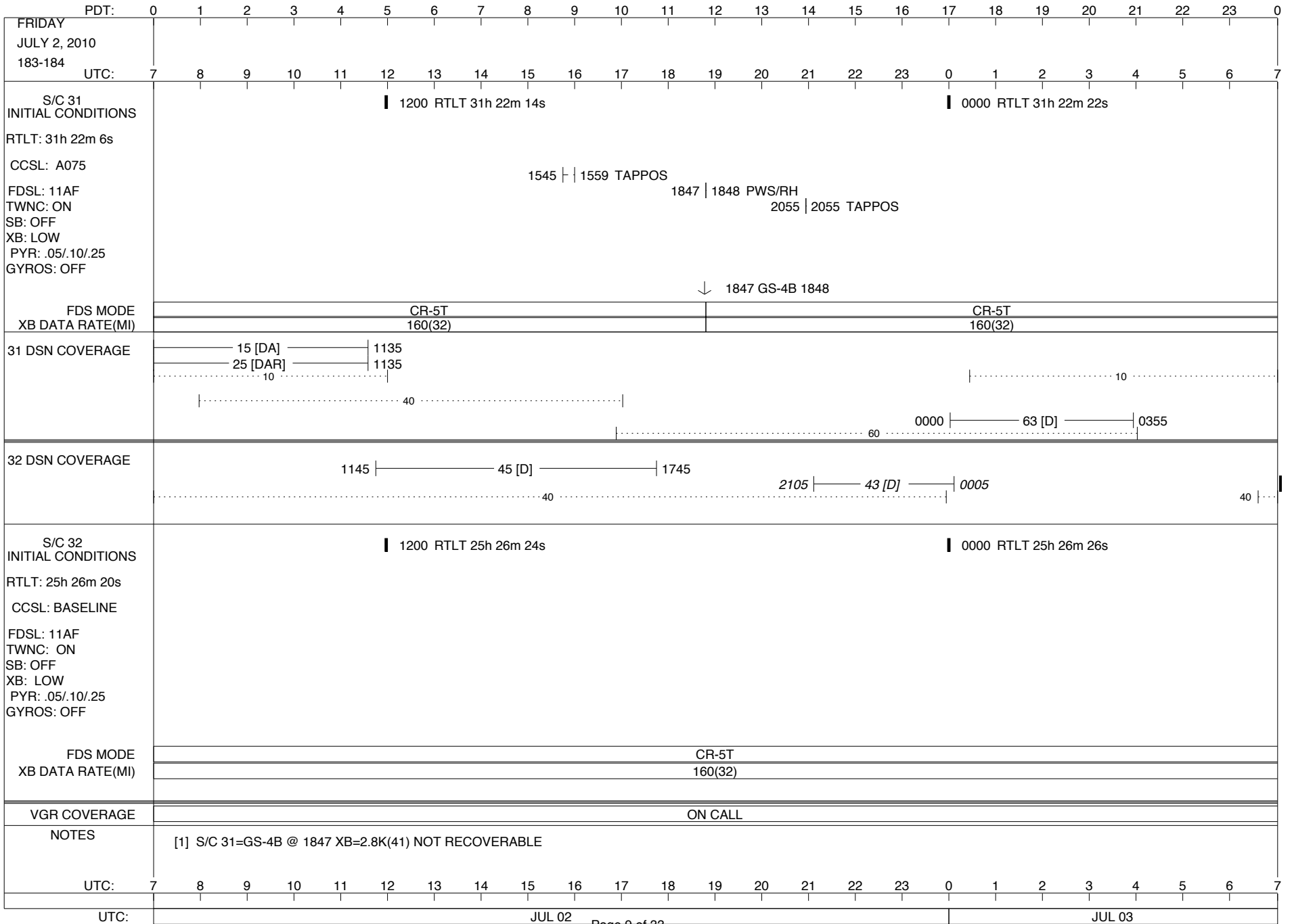
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S/C 31 INITIAL CONDITIONS RTLTL: 31h 21m 36s CCSL: A075 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 31h 21m 44s												0000 RTLTL 31h 21m 52s																			
----- TLC (SHORT-FORM) -----																																
FDS MODE	CR-5T												CR-5T																			
XB DATA RATE(MI)	160(32)												160(32)																			
31 DSN COVERAGE	0750  ----- 24 [DA] -----  1200											----- 10 -----										0750  ----- 25 [DAR] -----  1200										
	----- 10 -----										----- 40 -----										----- 60 -----											
											2355  ----- 65 [DA] -----  0405										2355  ----- 55 [DAR] -----  0405											
32 DSN COVERAGE	1155  ----- 45 [D] -----  2145										----- 40 -----										40  -----											
S/C 32 INITIAL CONDITIONS RTLTL: 25h 26m 8s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 25h 26m 10s												0000 RTLTL 25h 26m 14s																			
FDS MODE	CR-5T												CR-5T																			
XB DATA RATE(MI)	160(32)												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 30														JUL 01																	

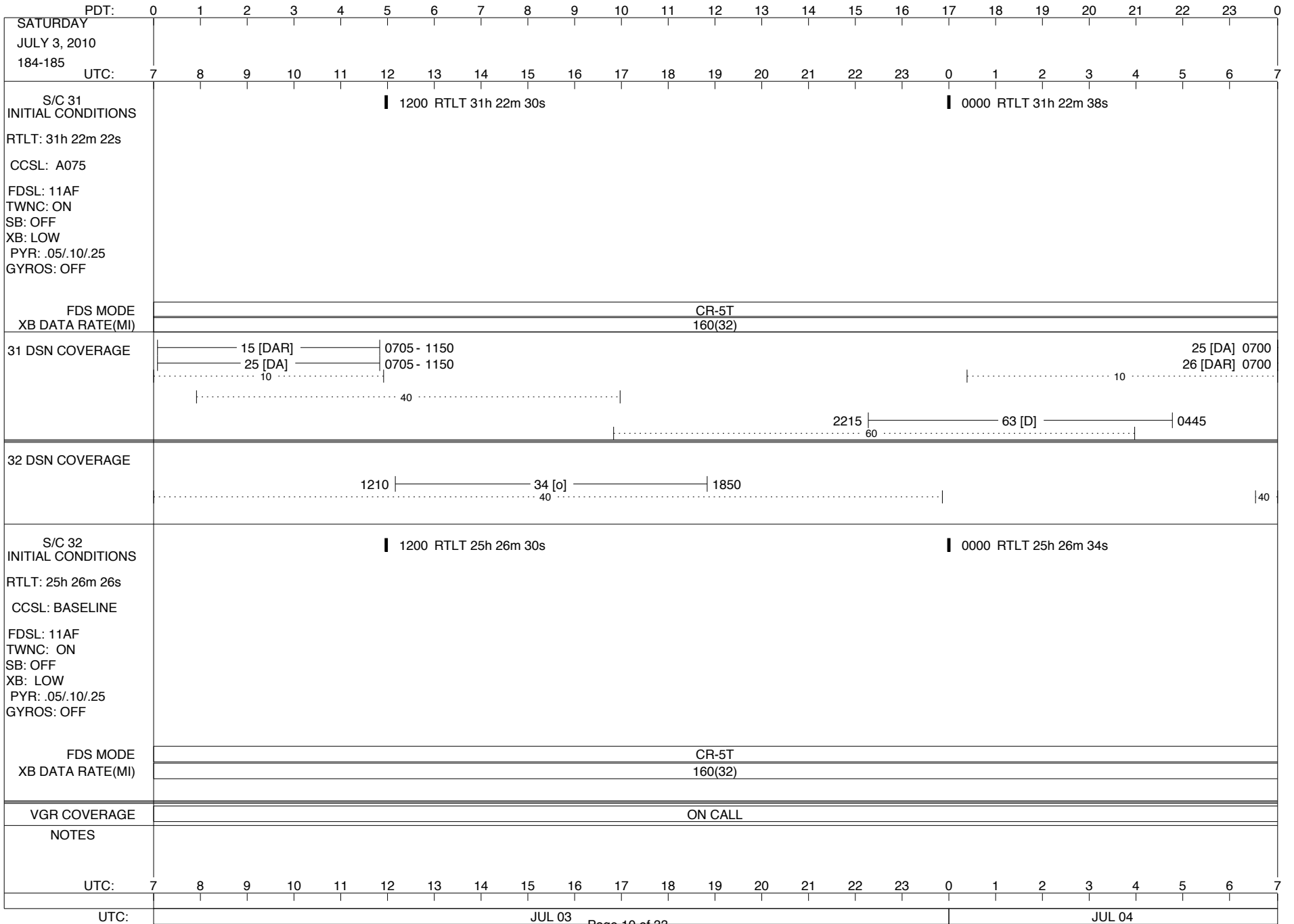


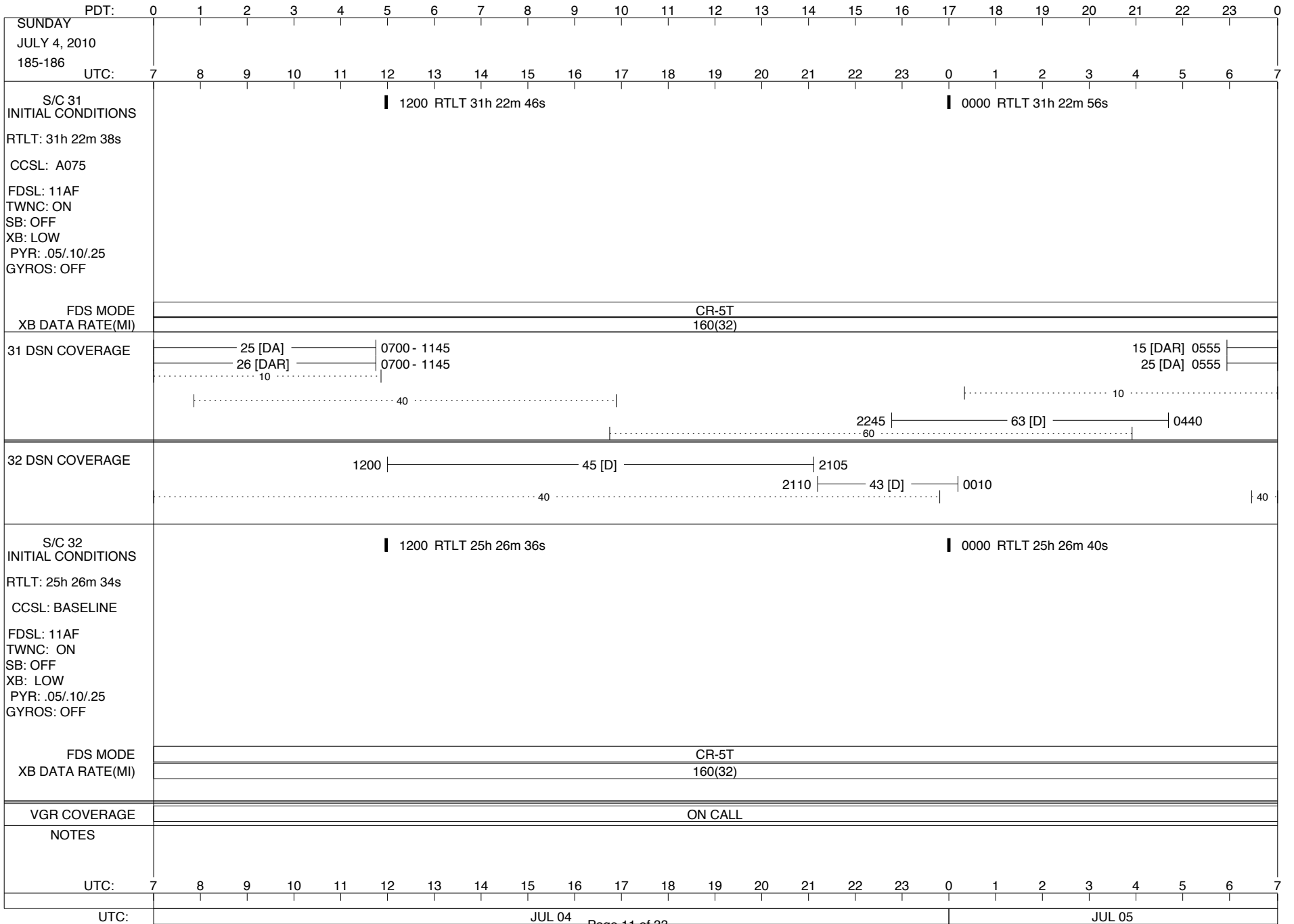
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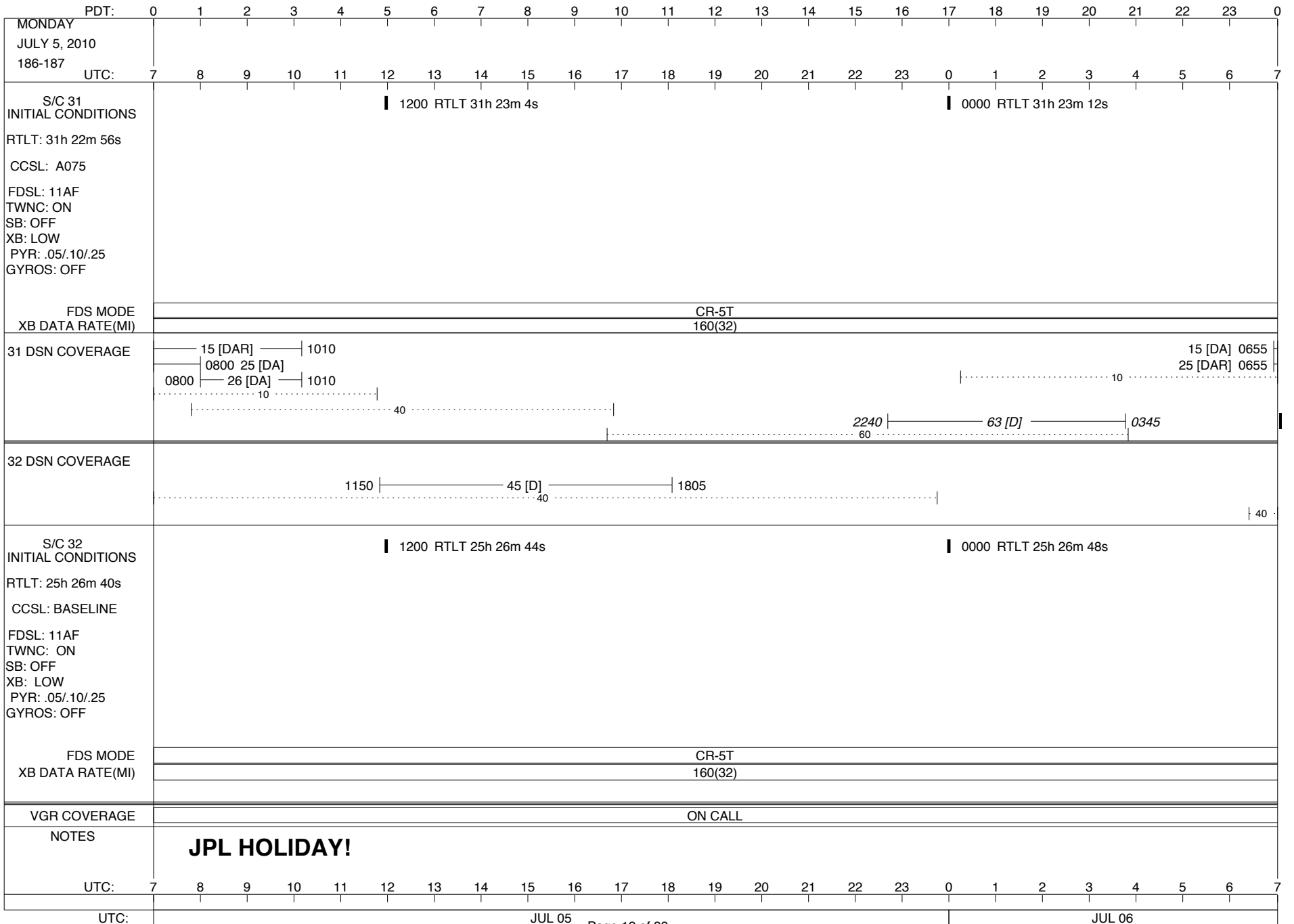


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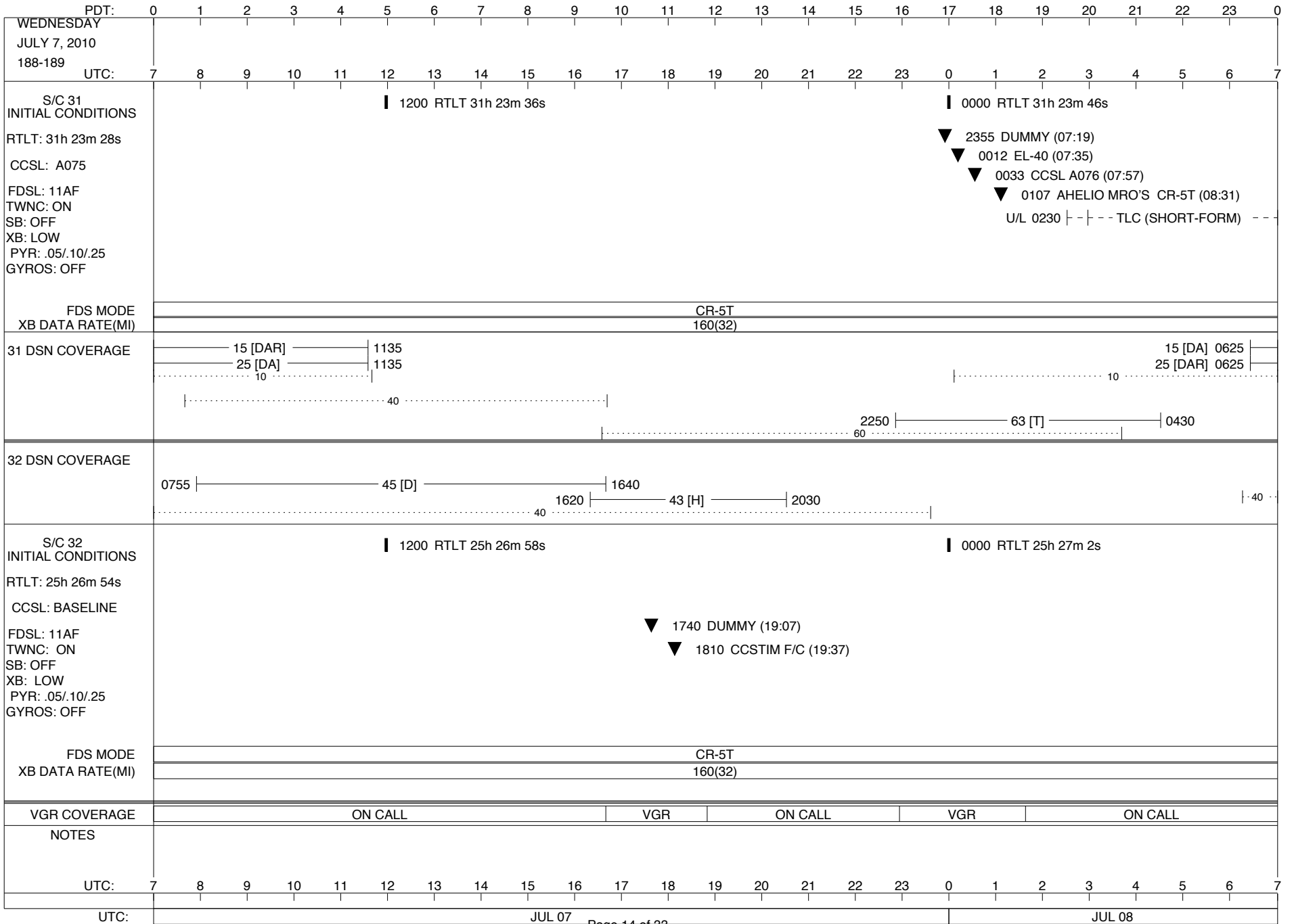


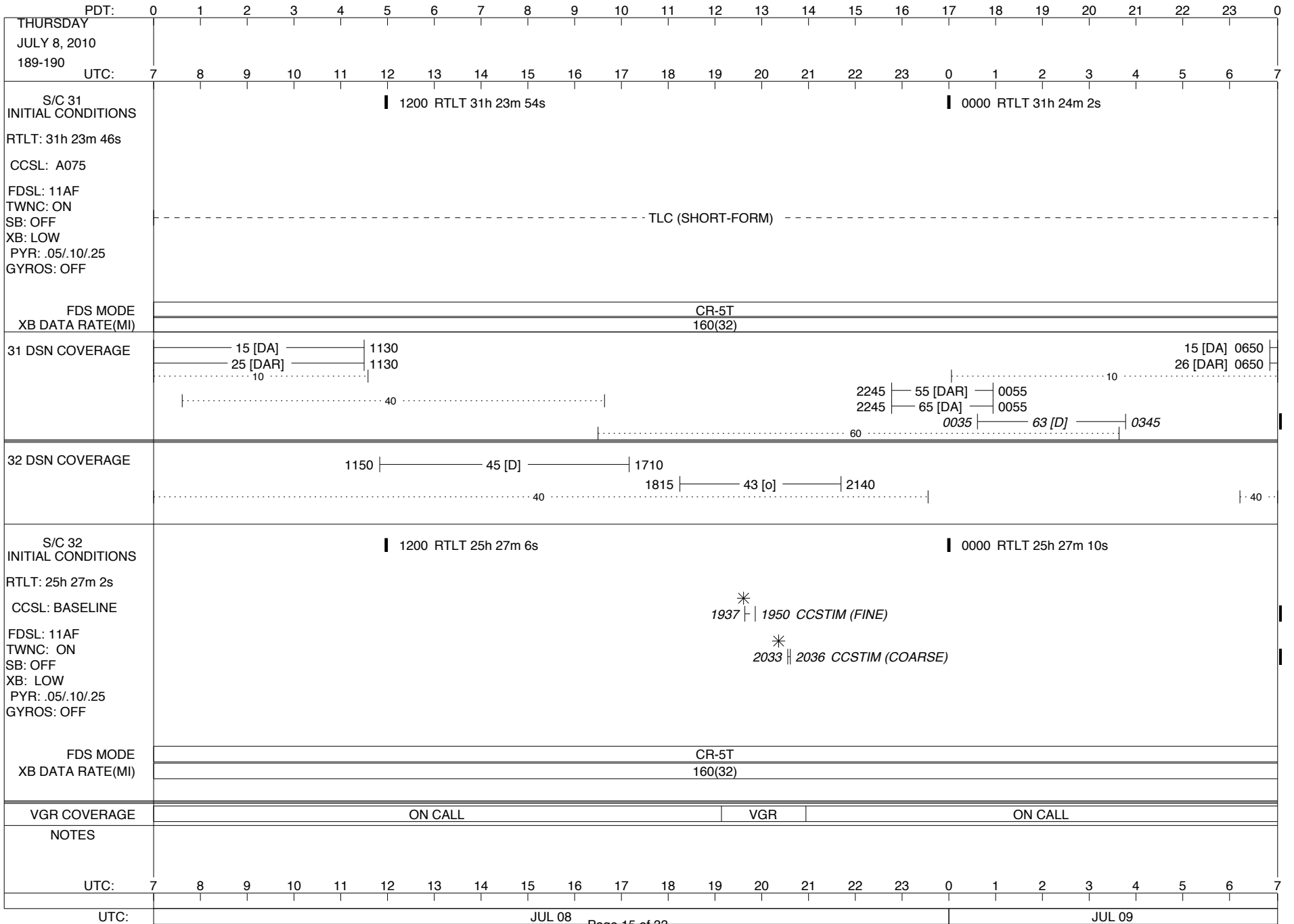




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S/C 31 INITIAL CONDITIONS RTLTL: 31h 23m 12s CCSL: A075 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 31h 23m 20s												0000 RTLTL 31h 23m 28s												
	1224   1225 PWS/RH																								
	↓ 1224 GS-4B 1225																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	15 [DA] 1140 25 [DAR] 1140 10												15 [DAR] 0640 25 [DA] 0640 10												
	40												0000 63 [D] 0345 60												
32 DSN COVERAGE	1605 45 [D] 1955 1950 43 [D] 2250 40												40												
S/C 32 INITIAL CONDITIONS RTLTL: 25h 26m 48s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 25h 26m 50s												0000 RTLTL 25h 26m 54s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 1224 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
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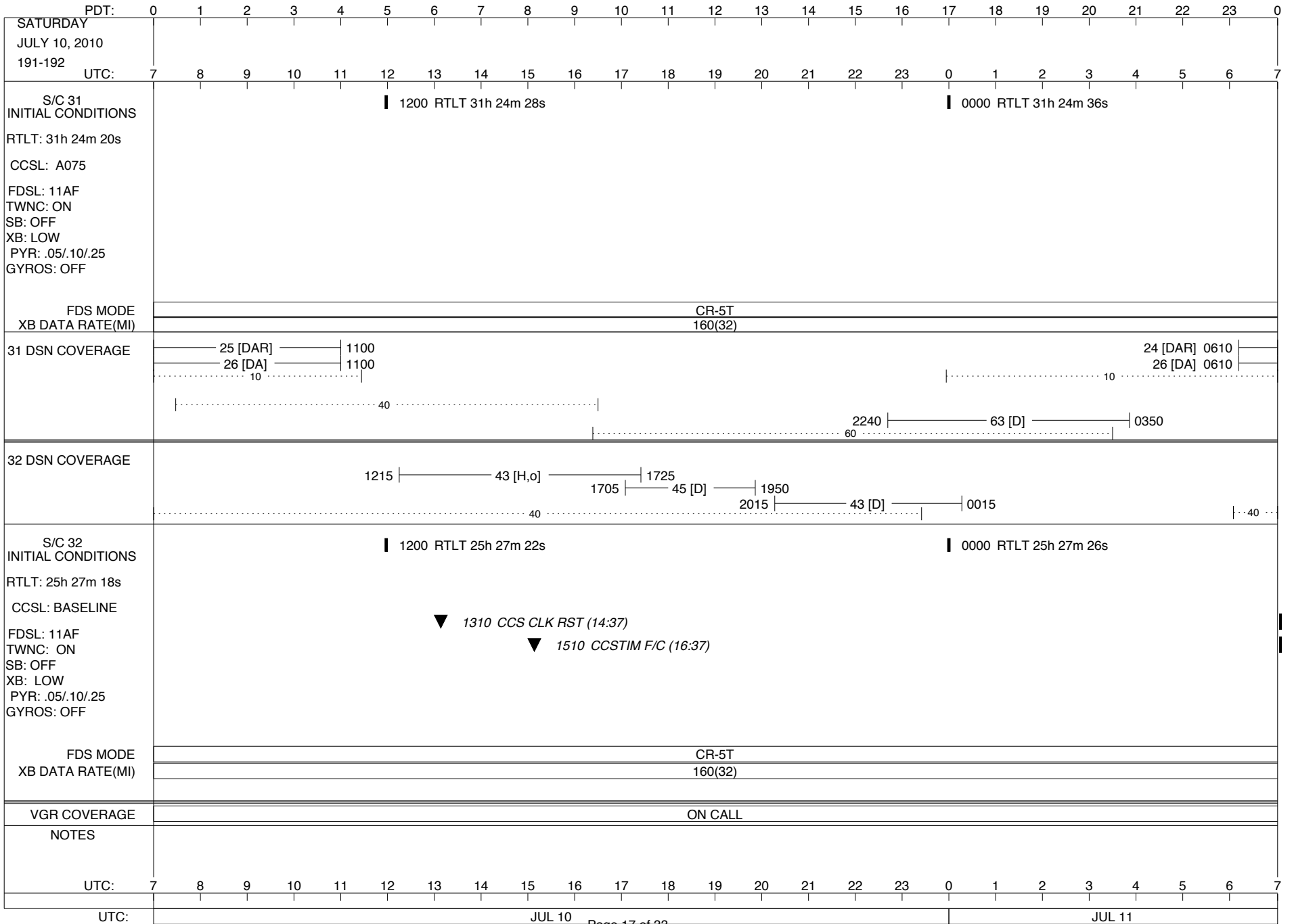


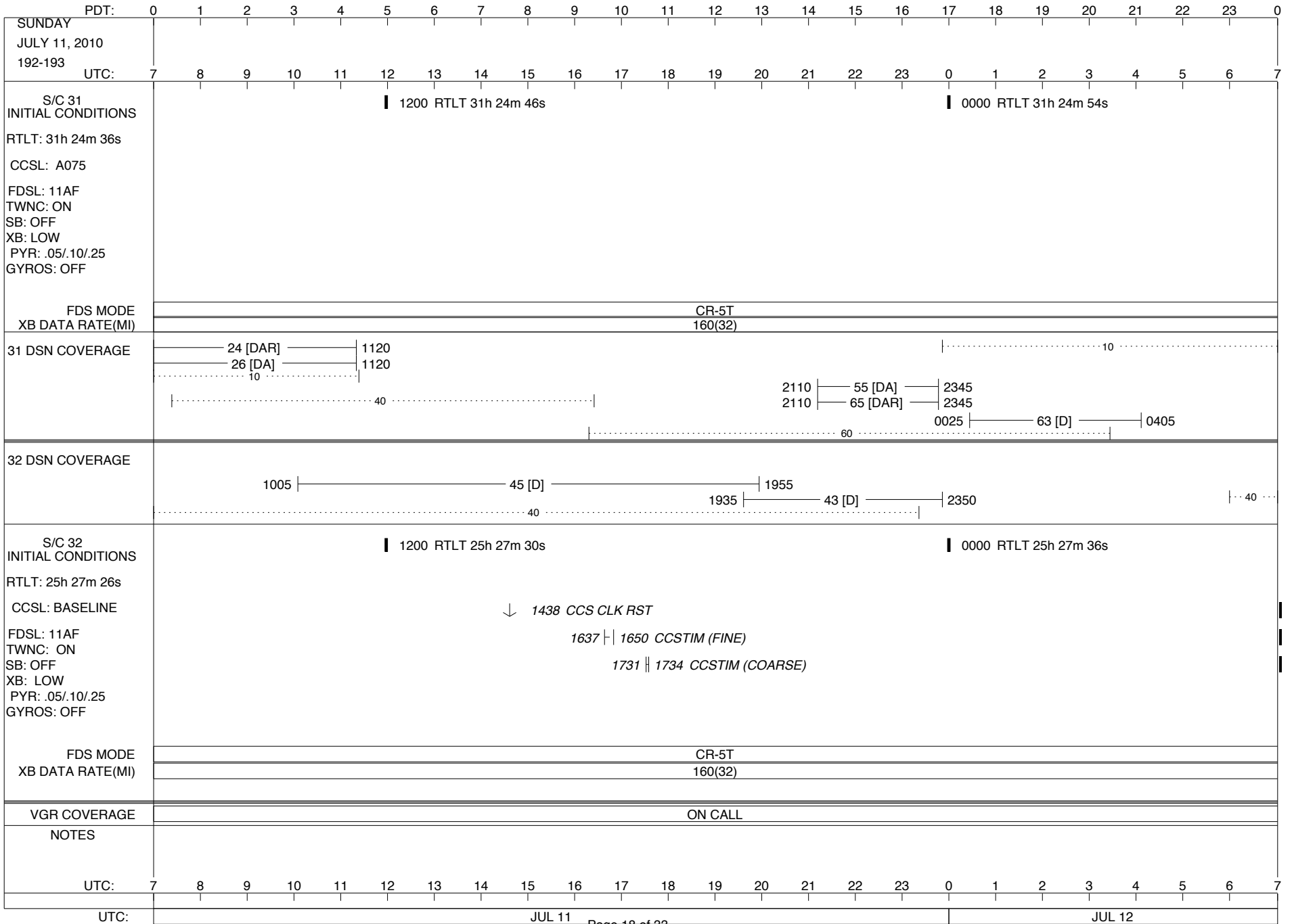


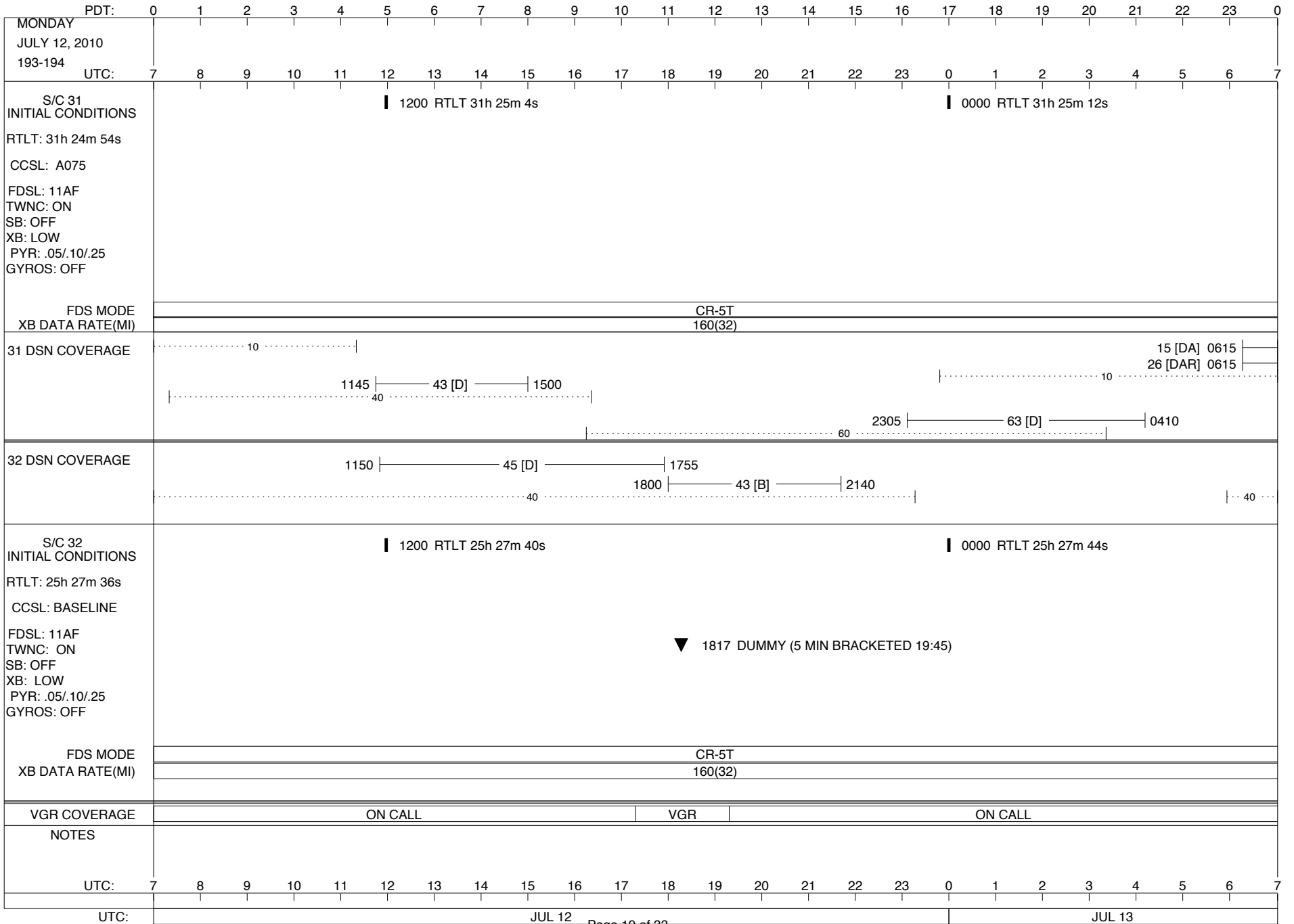


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FRIDAY JULY 9, 2010 190-191																																																	
S/C 31 INITIAL CONDITIONS	1200 RTLT 31h 24m 10s														0000 RTLT 31h 24m 20s																																		
RTLT: 31h 24m 2s	* 0802   0806 A076 CHKSUM																																																
CSSL: A075	* 0833   0834 2 AHELIO SID MRO'S																																																
FDSL: 11AF															1522   1536 TAPPOS																																		
TWNC: ON															1824   1825 PWS/RH																																		
SB: OFF	TLC (SHORT-FORM) -   D/L -   1122																																																
XB: LOW	* 0736 EL-40																																																
PYR: .05/10/25	↓ 0836 CR-5T																																																
GYROS: OFF															↓ 1824 GS-4B 1825																																		
FDS MODE	EL-40							CR-5T							CR-5T																																		
XB DATA RATE(MI)	40(30)							160(32)							160(32)																																		
31 DSN COVERAGE	<table border="0"> <tr> <td>15 [DA]</td><td>1130</td><td>25 [DAR]</td><td>0635</td></tr> <tr> <td>26 [DAR]</td><td>1130</td><td>26 [DA]</td><td>0635</td></tr> <tr> <td>10</td><td></td><td>10</td><td></td></tr> <tr> <td>40</td><td></td><td>60</td><td></td></tr> <tr> <td></td><td></td><td>0030</td><td>63 [D]</td><td>0405</td></tr> </table>																												15 [DA]	1130	25 [DAR]	0635	26 [DAR]	1130	26 [DA]	0635	10		10		40		60				0030	63 [D]	0405
15 [DA]	1130	25 [DAR]	0635																																														
26 [DAR]	1130	26 [DA]	0635																																														
10		10																																															
40		60																																															
		0030	63 [D]	0405																																													
32 DSN COVERAGE	<table border="0"> <tr> <td>1145</td><td>34 [D]</td><td>1945</td></tr> <tr> <td>40</td><td>2025</td><td>43 [D]</td><td>2340</td></tr> <tr> <td></td><td></td><td></td><td>40</td></tr> </table>																												1145	34 [D]	1945	40	2025	43 [D]	2340				40										
1145	34 [D]	1945																																															
40	2025	43 [D]	2340																																														
			40																																														
S/C 32 INITIAL CONDITIONS	1200 RTLT 25h 27m 14s														0000 RTLT 25h 27m 18s																																		
RTLT: 25h 27m 10s																																																	
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	VGR ON CALL																																																
NOTES	<p>[1] S/C 31=EL-40 XB=40(30) @ 0736          [2] S/C 31=CR-5T XB=160(32) @ 0836          [3] S/C 31=GS-4B @ 1824 XB=2.8K(41) NOT RECOVERABLE</p>																																																
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 09														JUL 10																																		





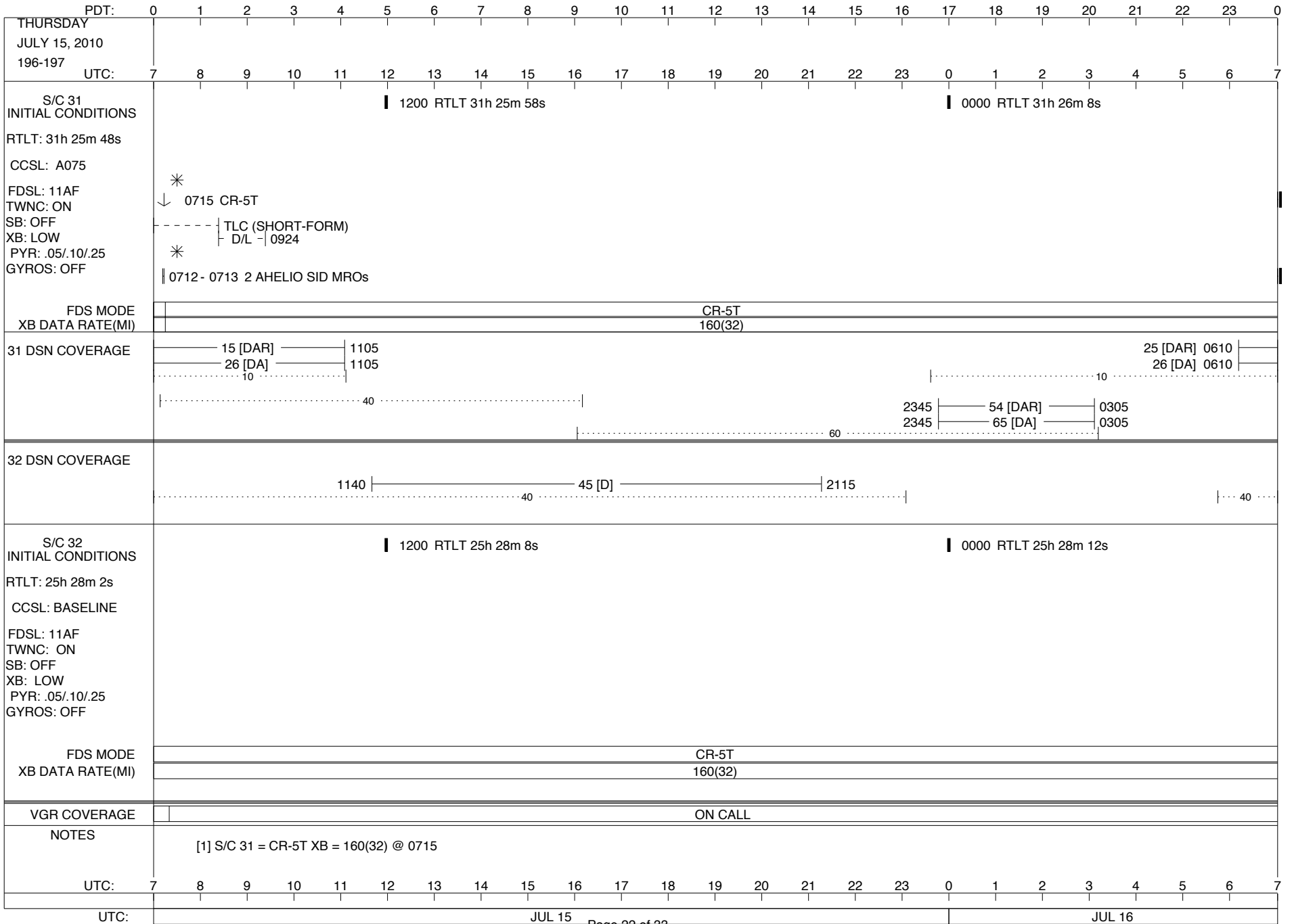


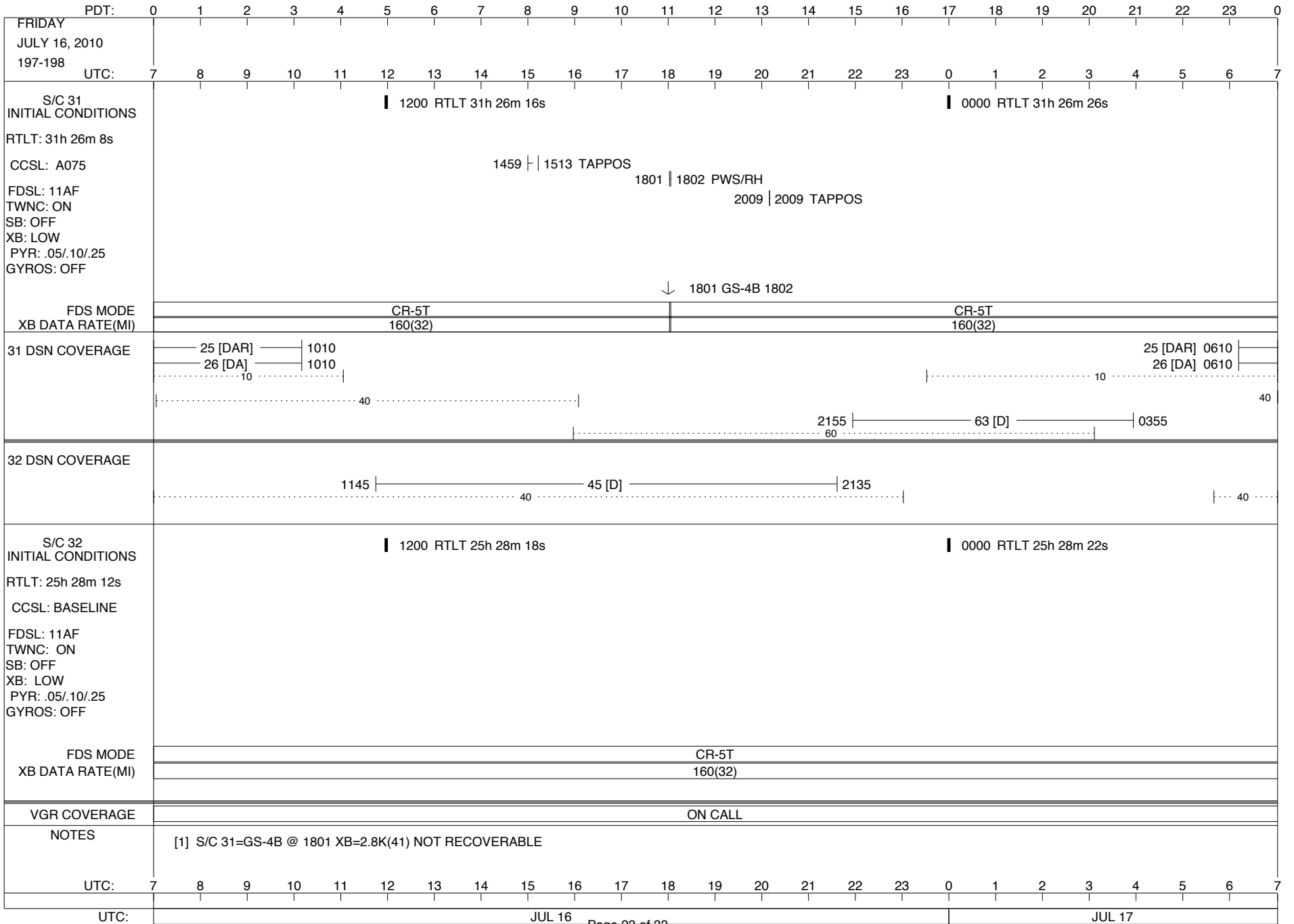
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S/C 31 INITIAL CONDITIONS RTLT: 31h 25m 12s CCSL: A075 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 31h 25m 22s 1201   1202 PWS/RH ↓ 1201 GS-4B 1202												0000 RTLT 31h 25m 30s ▼ 2300 DUMMY (06:25) ▼ 2304 EL-40 (06:31) ▼ 2324 A076 CCS CHECKSUM RECOVERY (06:50) ▼ 2344 SID MRO CR-5T (07:09) U/L 0030   -   - - - - - TLC (SHORT-FORM) - - - - -												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	15 [DA]   1110 26 [DAR]   1110 10 ..... ..... 40 .....												15 [DAR] 0615   25 [DA] 0615   ..... 10 ..... ..... 2235   ..... 63 [T2] ..... 0405 ..... 60 .....												
32 DSN COVERAGE	1300   ..... 43 [o] ..... 1540 1525   ..... 45 [D] ..... 2020 ..... 40 .....												..... 40 .....												
S/C 32 INITIAL CONDITIONS RTLT: 25h 27m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 25h 27m 48s												0000 RTLT 25h 27m 54s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	[1] S/C 31=GS-4B @ 1200 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=A076 BACKUP U/L TRACK																								
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UTC:	JUL 13												Page 20 of 33						JUL 14						

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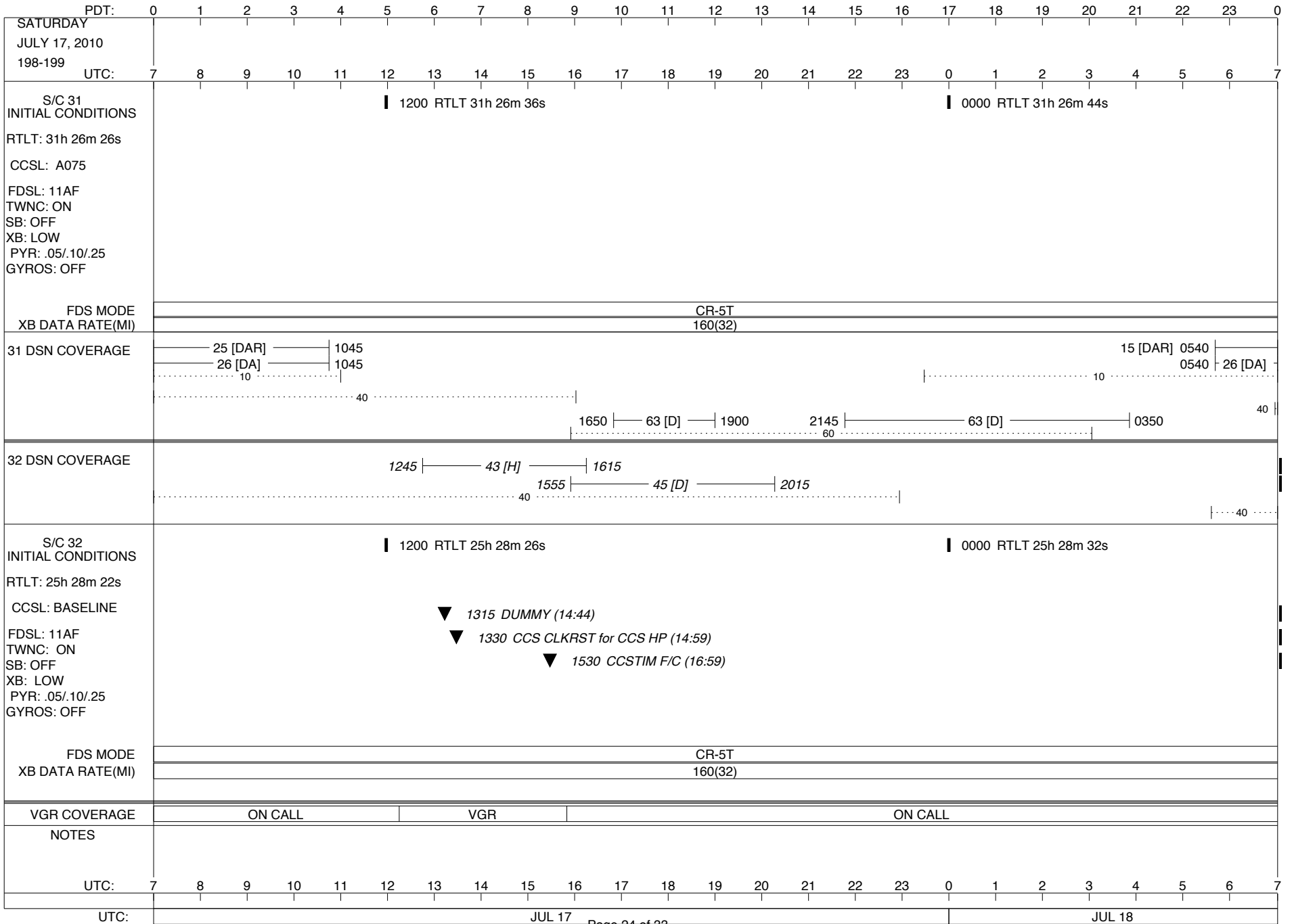
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S/C 31 INITIAL CONDITIONS RTLT: 31h 25m 30s CCSL: A075 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 31h 25m 40s												0000 RTLT 31h 25m 48s													
FDS MODE	CR-5T												EL													
XB DATA RATE(MI)	160(32)												40(													
31 DSN COVERAGE	15 [DAR] 0940 25 [DA] 0940 10 ..... ..... 40 ..... ..... 2250 ..... 54 [DAR] 0230 ..... 2250 ..... 65 [DA] 0230 ..... 60 .....												15 [DAR] 0615 26 [DA] 0615 ..... 10 .....													
32 DSN COVERAGE	1110 ..... 45 [D] ..... 1950 ..... 40 .....												..... 40 .....													
S/C 32 INITIAL CONDITIONS RTLT: 25h 27m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 25h 27m 58s												0000 RTLT 25h 28m 2s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE	ON CALL												VGR													
NOTES	[1] S/C 31=EL-40 XB=40(30) @ 0631																									
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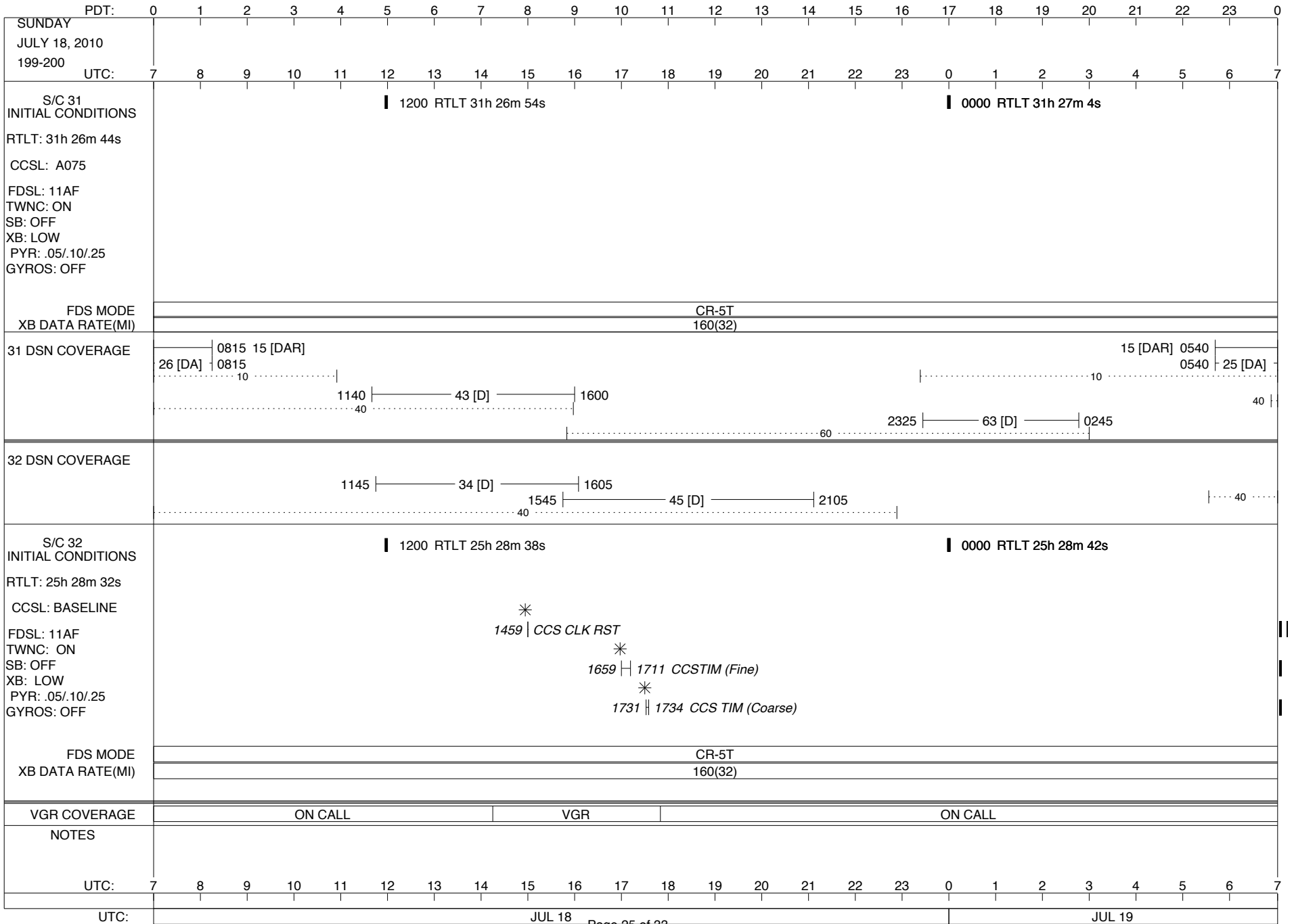
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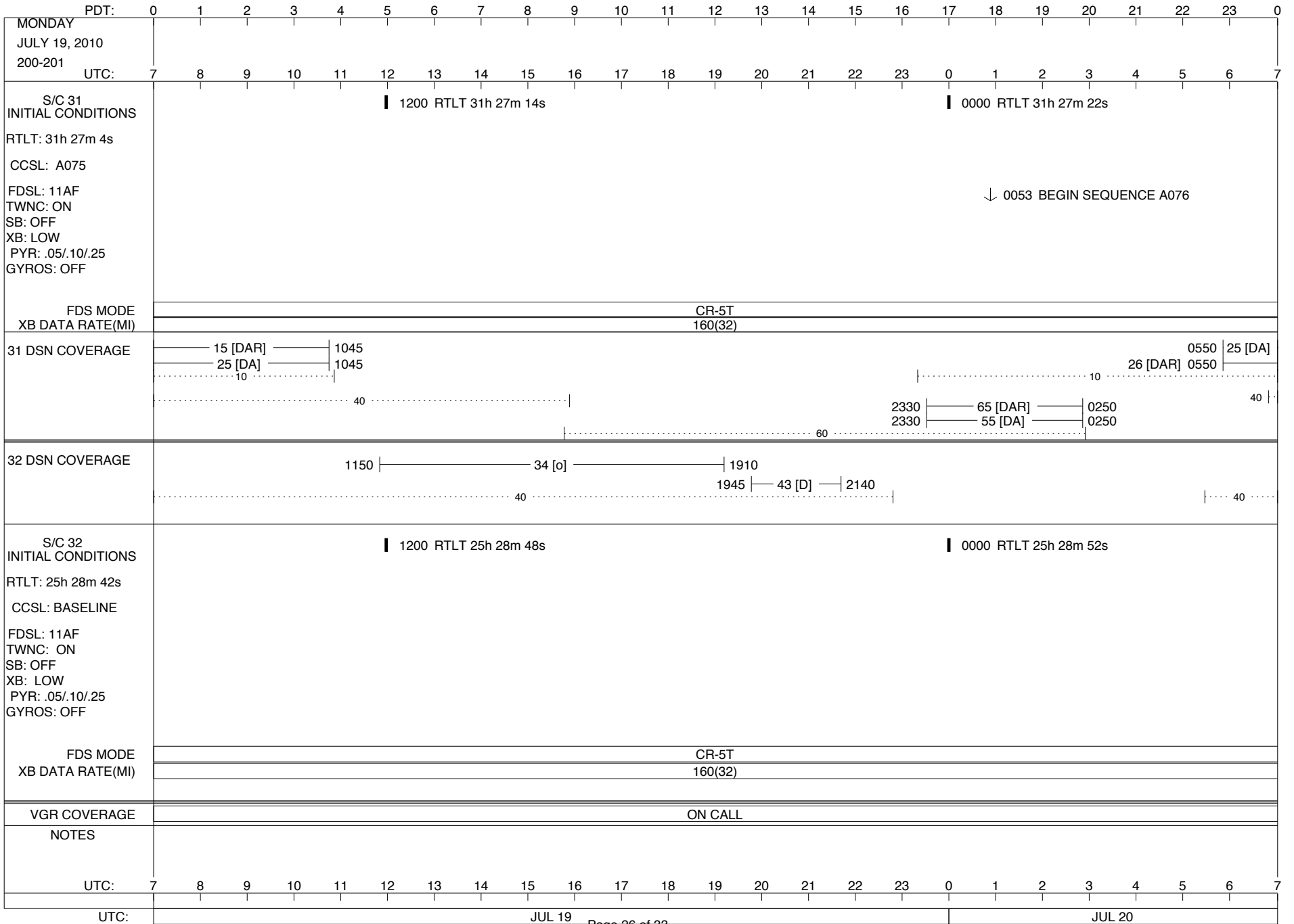






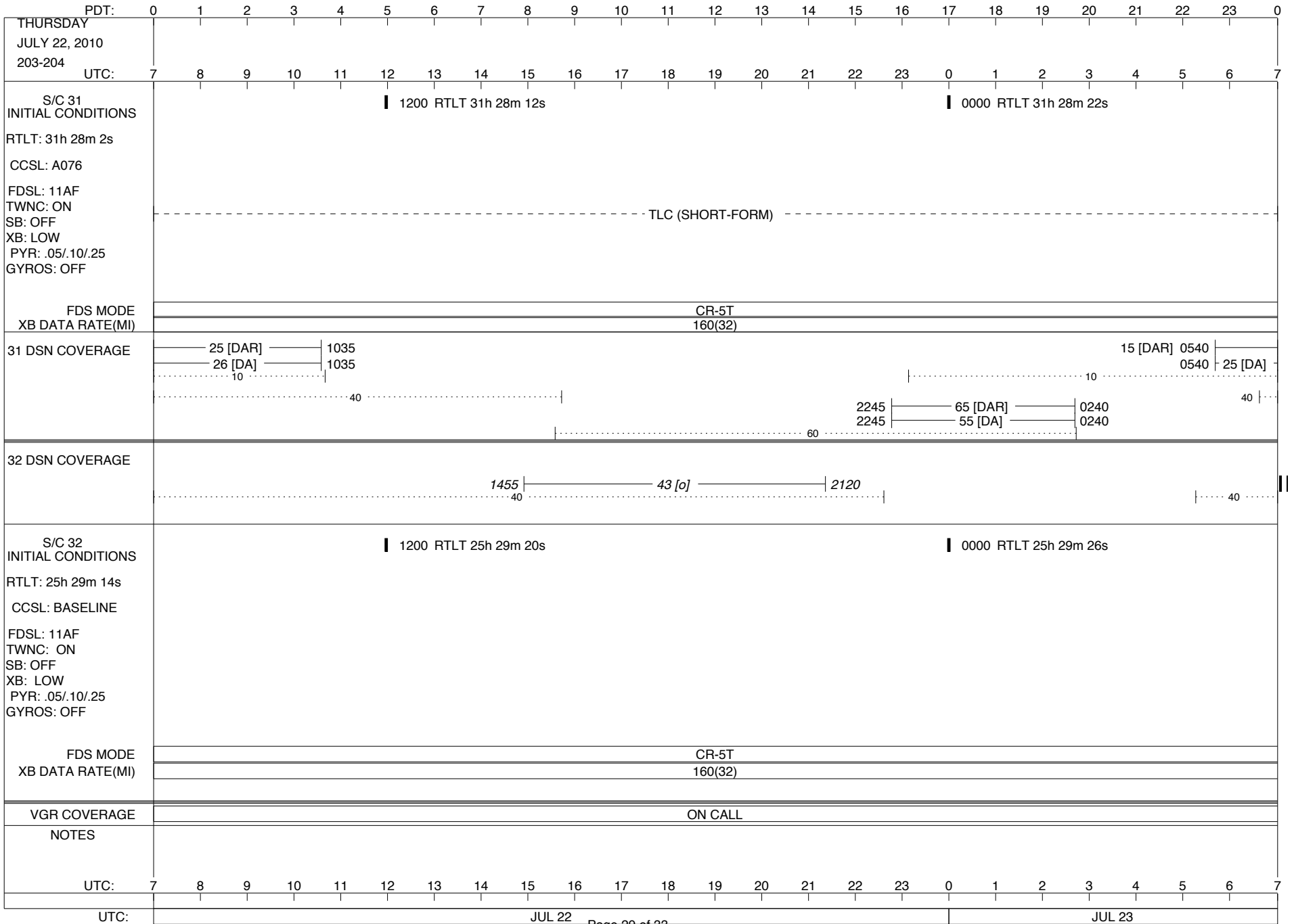






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TUESDAY JULY 20, 2010 201-202																												
S/C 31 INITIAL CONDITIONS RTLTL: 31h 27m 22s CCSL: A076 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 31h 27m 32s												0000 RTLT 31h 27m 42s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	25 [DA] 1045 26 [DAR] 1045 10 ..... ..... 40 .....												0330 24 [DA] 0330 26 [DAR] 10 ..... ..... 40 ..... 2205 63 [D] 0335 60 .....															
32 DSN COVERAGE	1135 45 [D] 1445 ..... 40 .....												1730 45 [D] 2130 ..... 40 .....															
S/C 32 INITIAL CONDITIONS RTLTL: 25h 28m 52s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 25h 28m 58s												0000 RTLT 25h 29m 4s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE													ON CALL															
NOTES	[1] S/C 31=GS-4B @ 1138 XB=2.8K(41) NOT RECOVERABLE																											
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UTC:	JUL 20														JUL 21													





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