

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: June 25, 2008

For the Period: 06/26/08 to 07/21/08 (08-178 – 08-203)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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CRS \*bryant@mail630.gsfc.nasa.gov  
 LECP \*r.decker@jhuapl.edu  
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 MAG \*u2mha@lepvox.gsfc.nasa.gov  
 PLS \*vgr@space.mit.edu  
 PWS \*wsk@space.physics.uiowa.edu  
 \*Leonard.F.Burlaga@nasa.gov  
 \*Donald-Gurnett@uiowa.edu

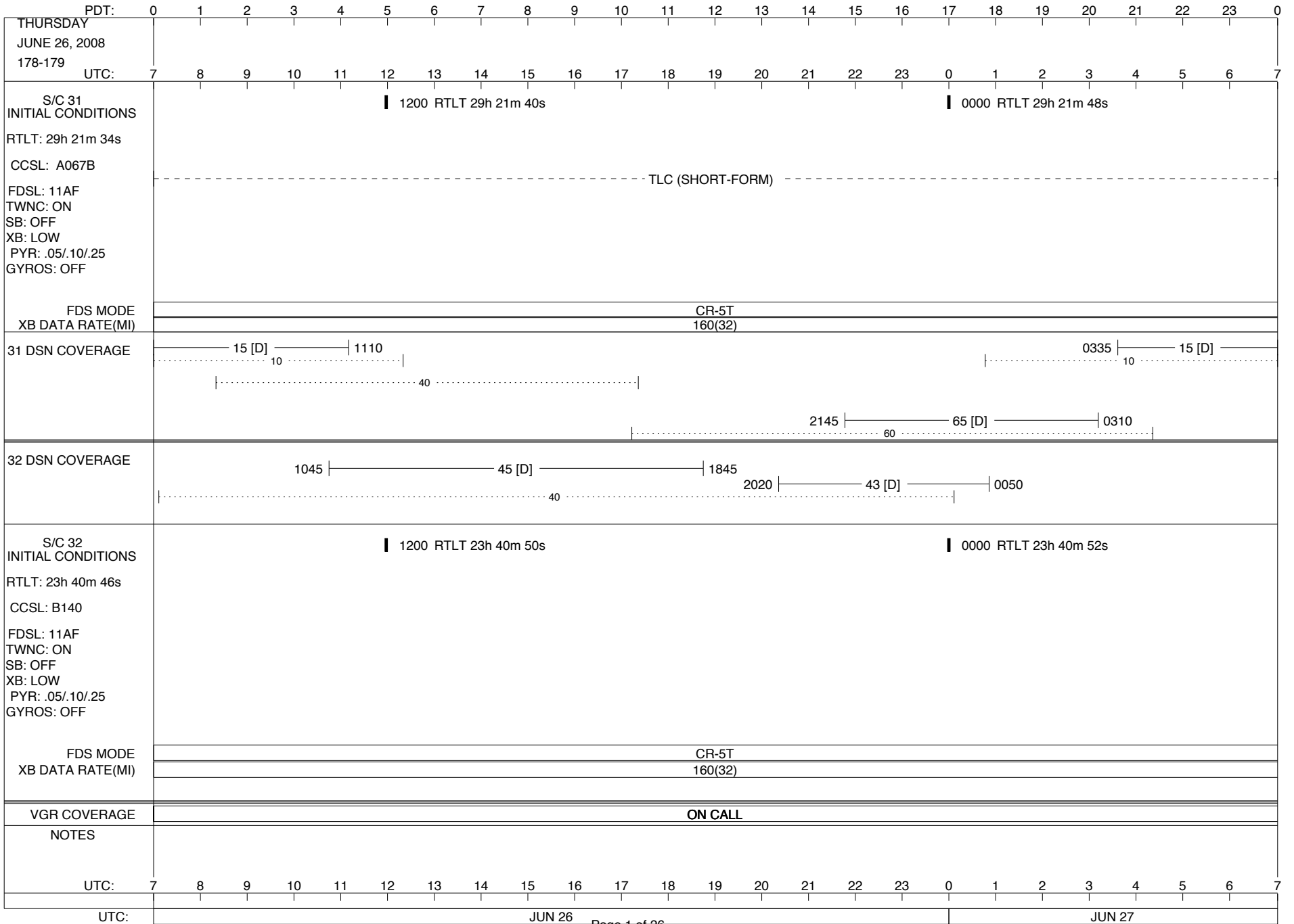
Hall, J.  
 Howard, S. (3)  
 Ludwig, R. (2)  
 Massey, Ed  
 Matsumoto, S.  
 Medina, E.  
 Peralta, F.  
 Poynter, R.  
 Weeks, T.  
 Wong, R.  
 Yang, L  
 Zottarelli, L.  
 \*odivers1@san.rr.com

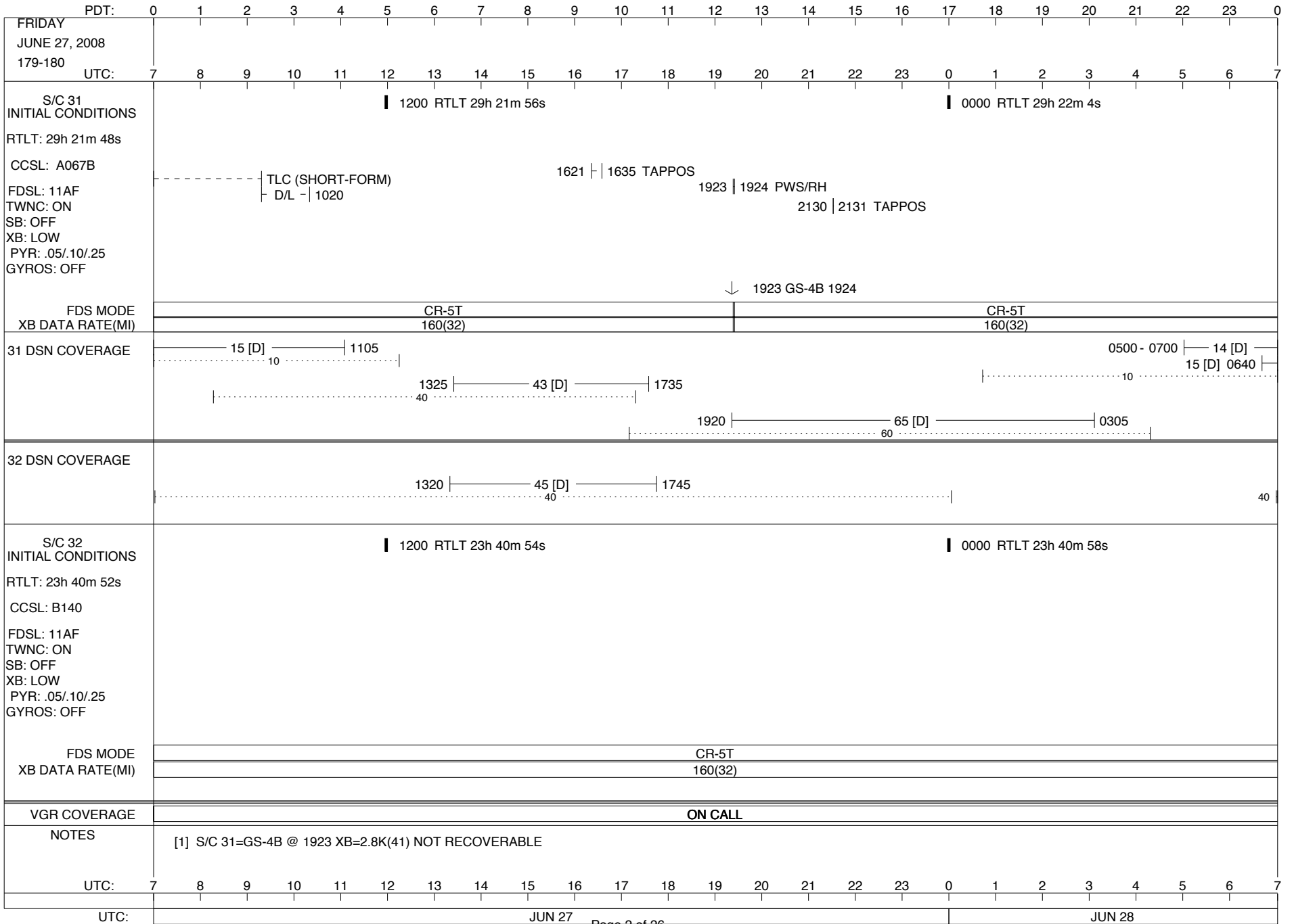
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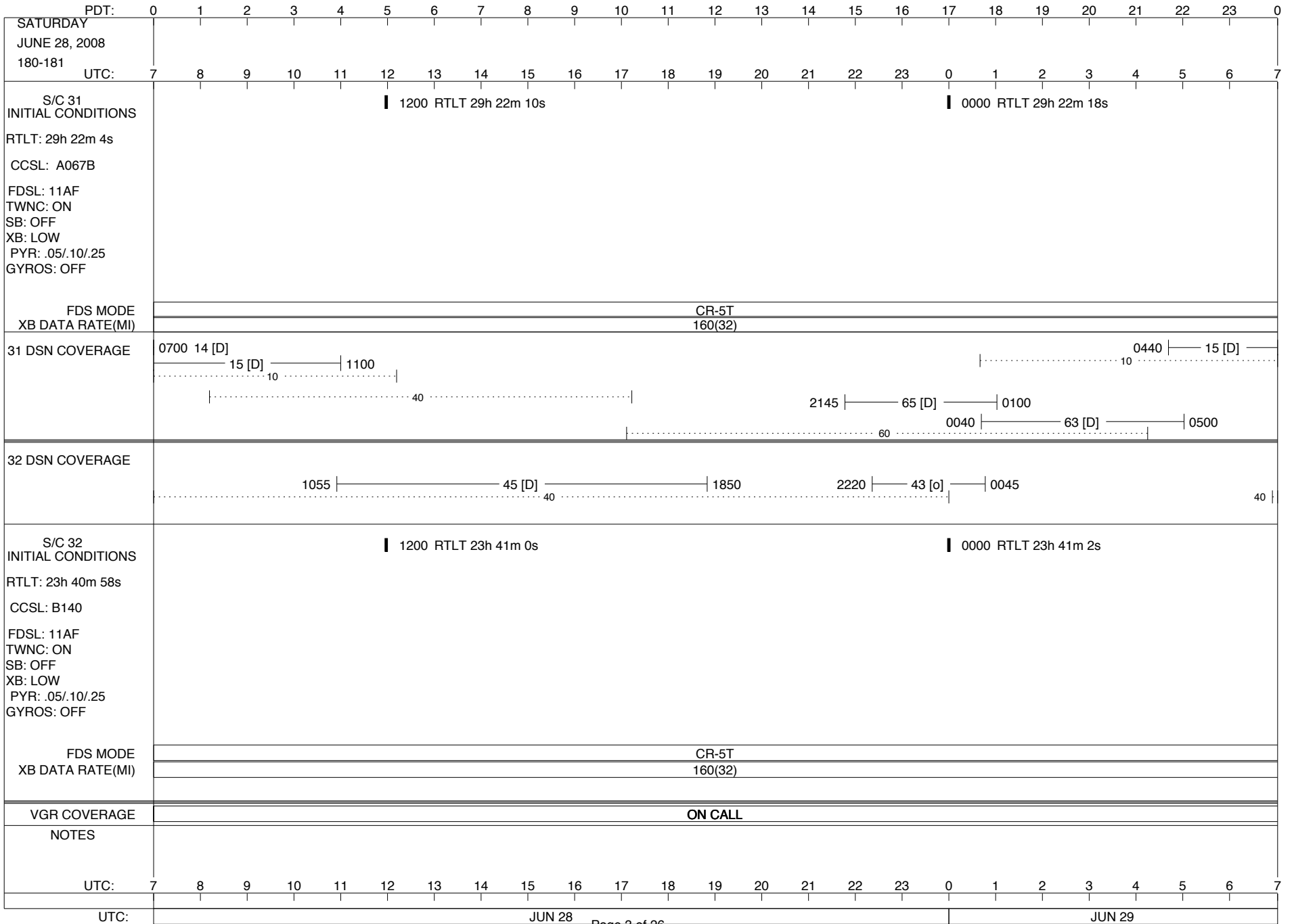
\* KMassey@jgld.gdscc.nasa.gov  
 \* Belinda.Arroyo@jpl.nasa.gov  
 \* Peter.T.Poon@jpl.nasa.gov  
 \* DSN-MPSETA@jjpl.jpl.nasa.gov

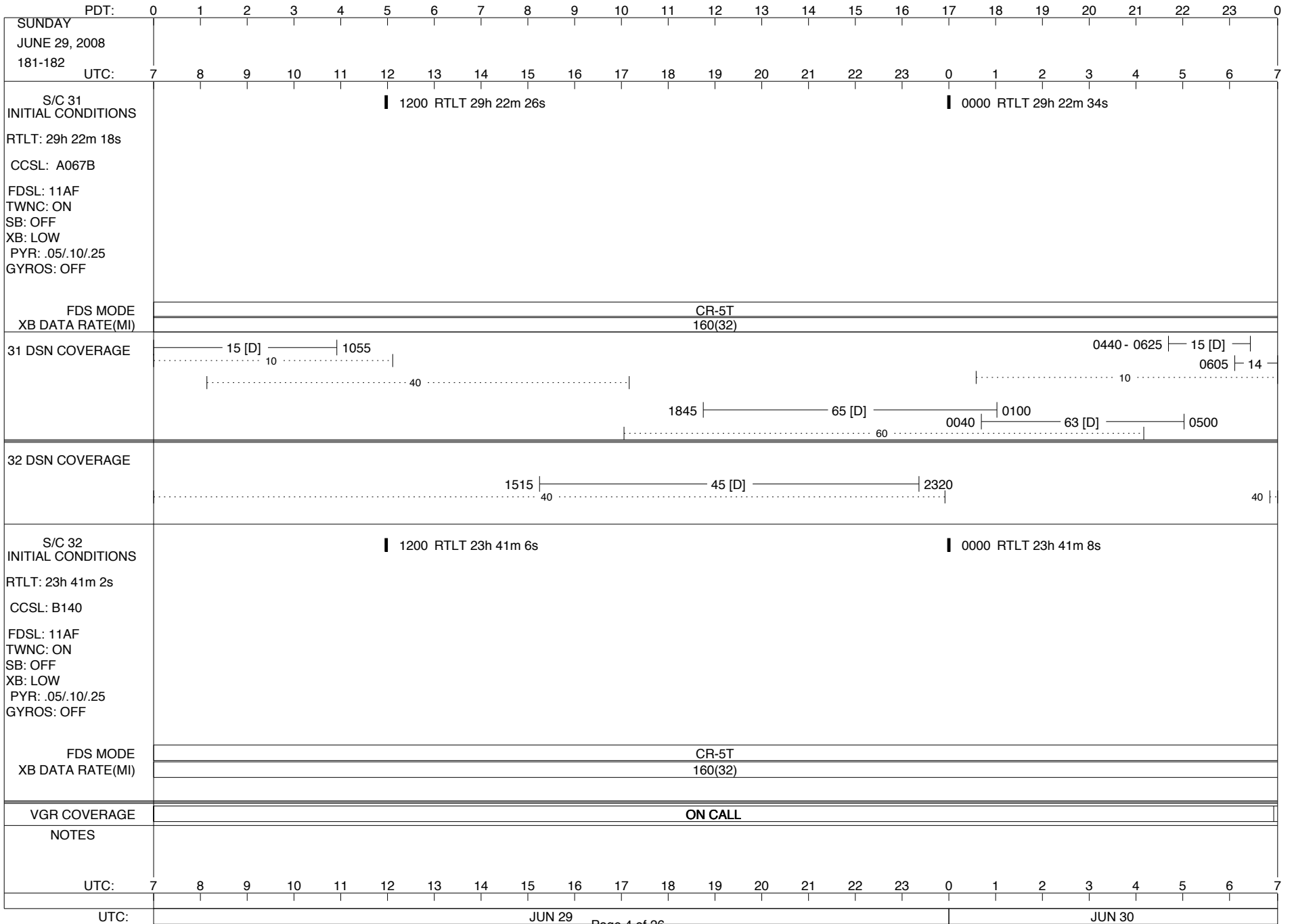
**LEGEND:**  
 ▽ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = 7-Point BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna  
 T = TLC Uplink  
 U = Uplink only pass  
 [o] = Ramp-through

\*Electronic Copy Only  
 (17 – Dist/N: Paper Copies)  
 02/21/08

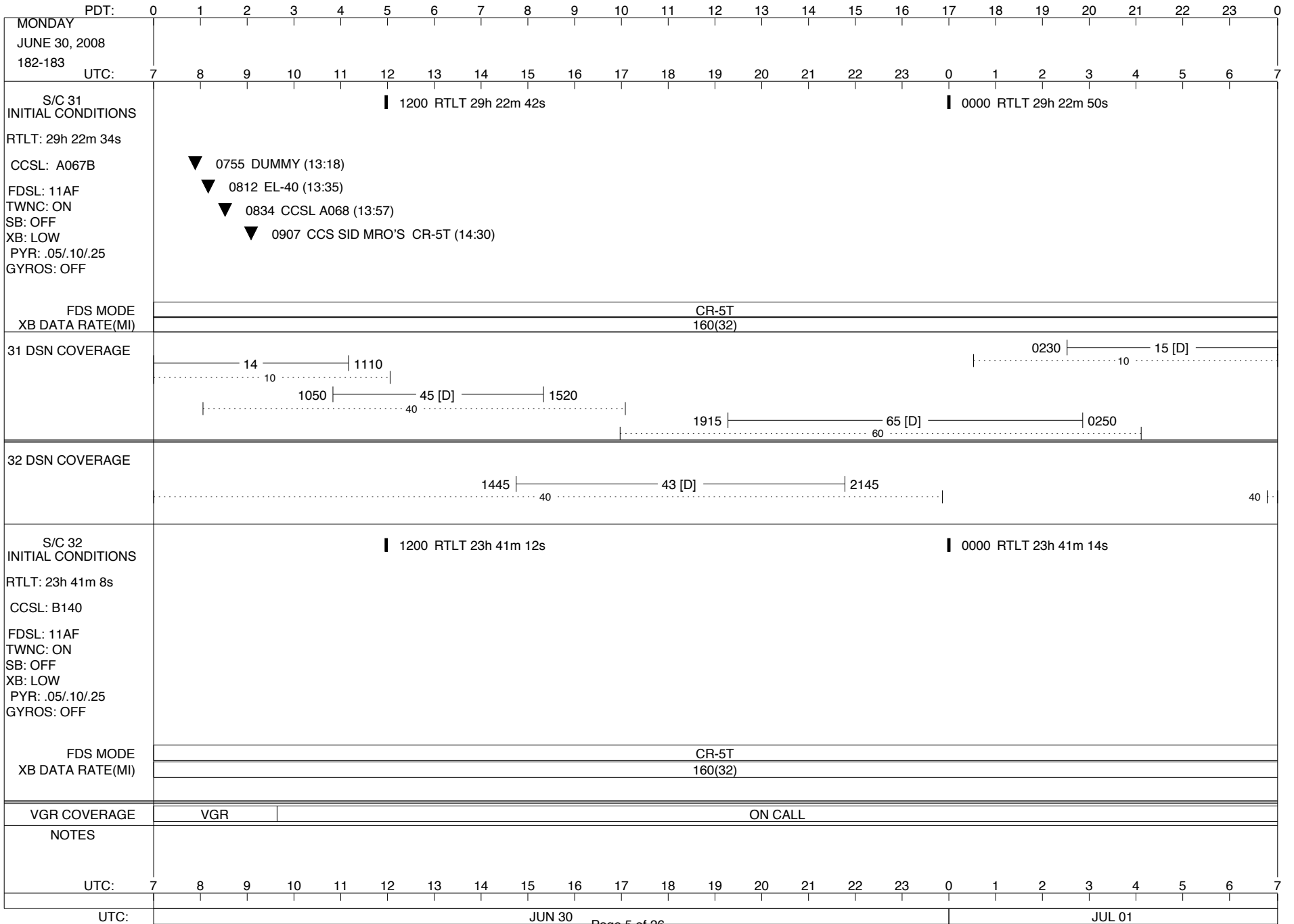








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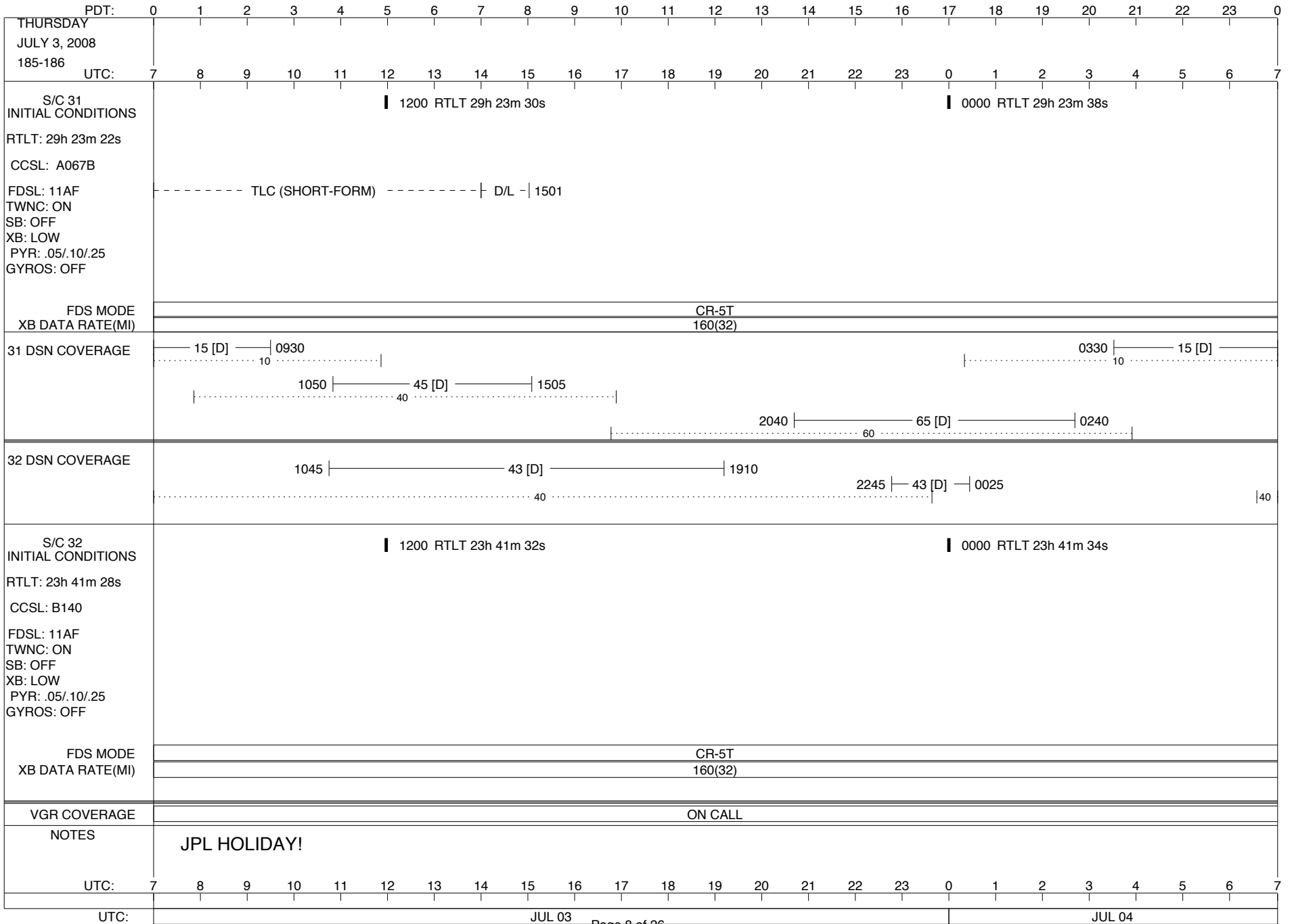


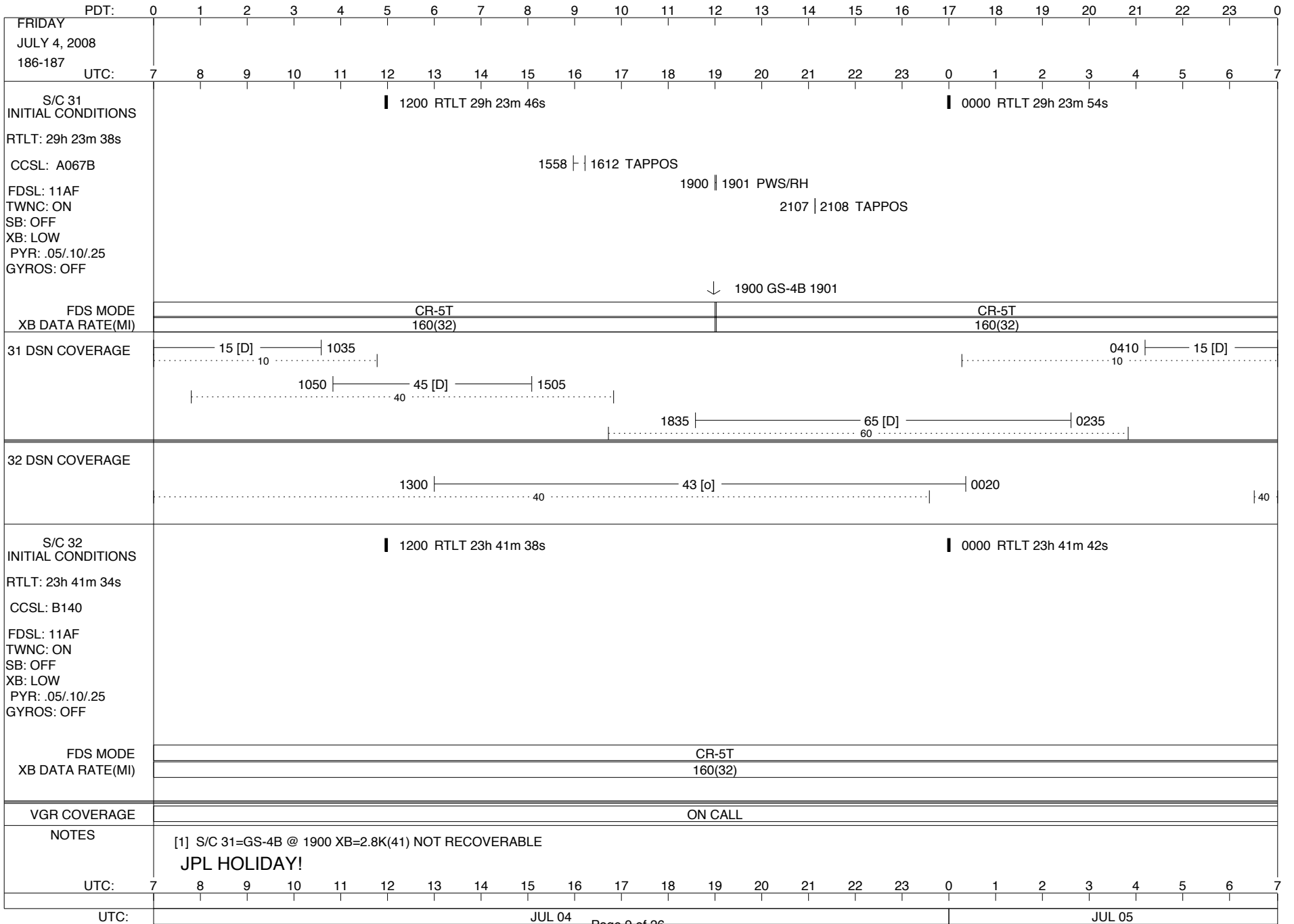
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S/C 31 INITIAL CONDITIONS RTLTL: 29h 22m 50s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 29h 22m 58s 1300   1300 PWS/RH * 1403    1408 CCSL A068 CHKSUM * 1433    1434 2 CCS SID MRO'S 1300 GS-4B 1300 ↓ * * EL-40 1336 ↓ ↓ 1436												0000 RTLTL 29h 23m 6s												
FDS MODE	CR-5T						EL-40						CR-5T												
XB DATA RATE(MI)	160(32)						40(30)						160(32)												
31 DSN COVERAGE	15 [D]   0835 .....  1045  ----- 43 [D] -----  1720 .....  2015  ----- 65 [D] -----  2255 .....  2235  ----- 63 [D] -----  0230 .....												0210  ----- 15 [D] -----  .....  14 [1T] 0650												
32 DSN COVERAGE	1050  ----- 45 [D] -----  1820 .....  2250  ----- 43 [B] -----  0030 .....												40  ...												
S/C 32 INITIAL CONDITIONS RTLTL: 23h 41m 14s CCSL: B140 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 23h 41m 18s												0000 RTLTL 23h 41m 22s ▼ 2307 DUMMY (5 MIN BRACKETED 22:49)												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1300 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=EL-40 @ 1336 XB=40(30) [3] S/C 31=CR-5T @ 1436 XB=160(32)																								
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UTC:	JUL 01												JUL 02												

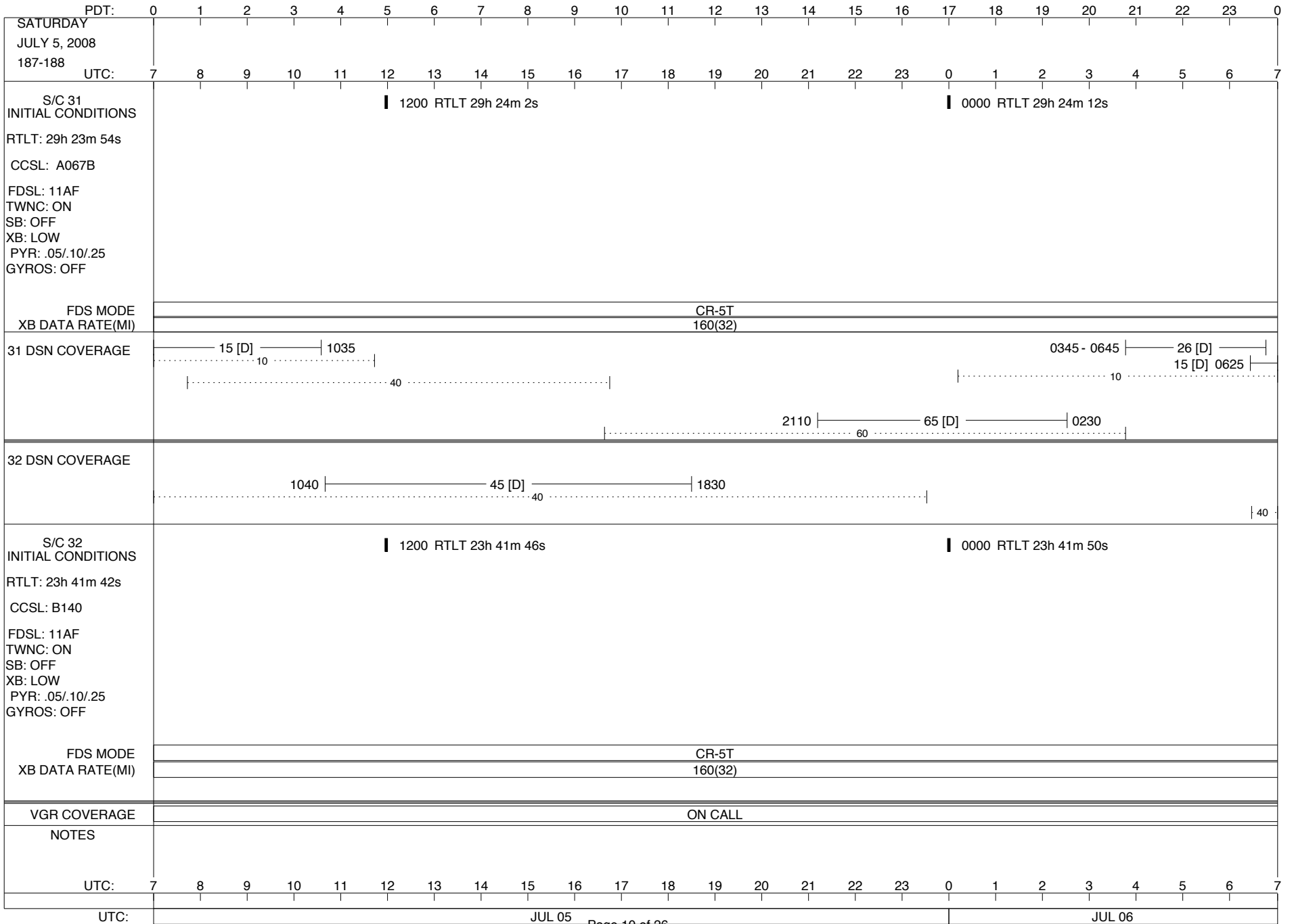
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S/C 31 INITIAL CONDITIONS RTLT: 29h 23m 6s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 23m 14s												0000 RTLT 29h 23m 22s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0710 15 [D] 14 [1T] 1215 10 40												0445 15 [D] 10 2125 65 [D] 0245 60													
32 DSN COVERAGE	1245 40 43 [D]												0030 40													
S/C 32 INITIAL CONDITIONS RTLT: 23h 41m 22s CCSL: B140 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 23h 41m 24s												0000 RTLT 23h 41m 28s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	[1] A068 BACKUP UPLINK TRACK																									
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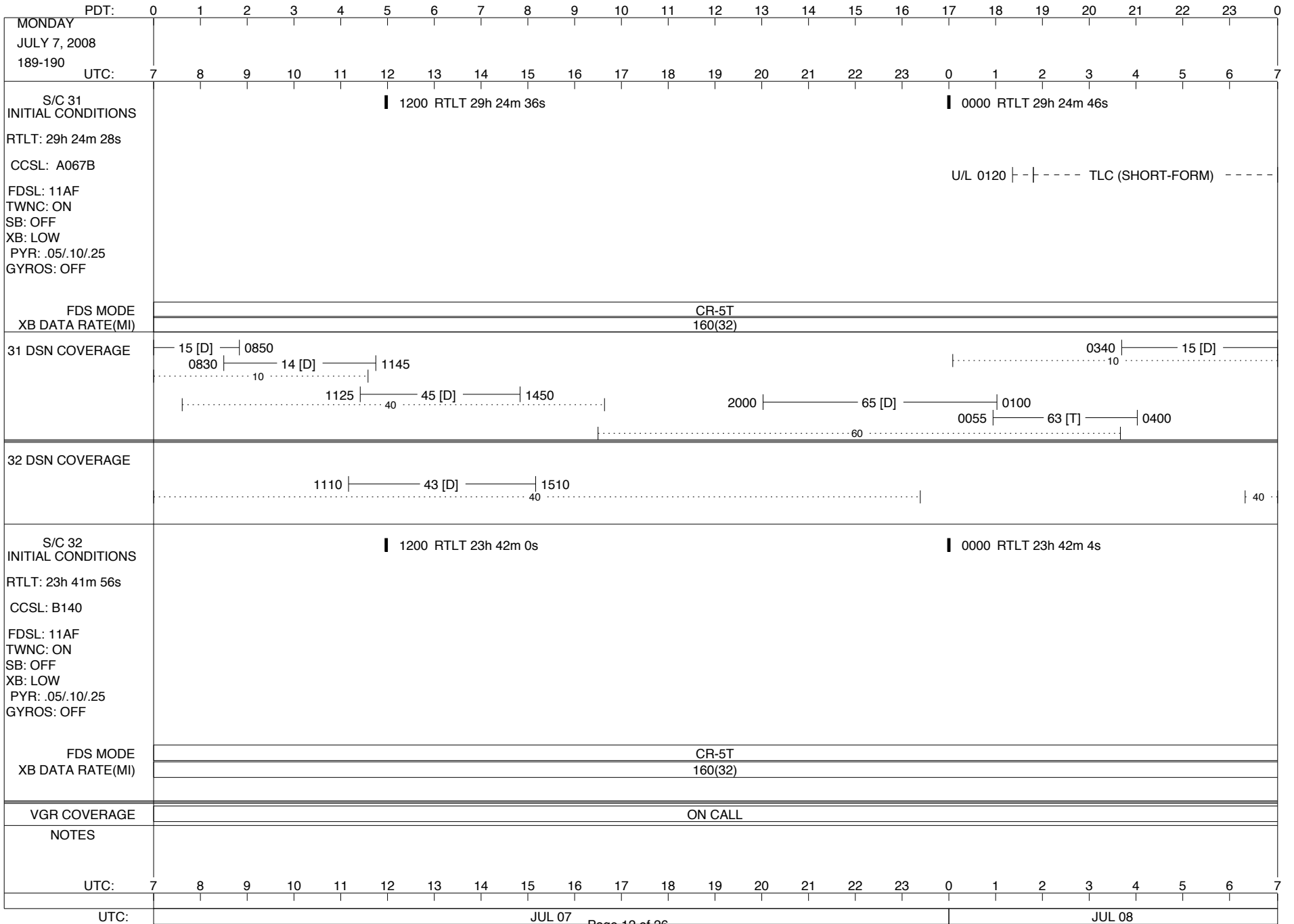
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SUNDAY JULY 6, 2008 188-189																										
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S/C 31 INITIAL CONDITIONS RTLT: 29h 24m 12s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 24m 20s												0000 RTLT 29h 24m 28s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE	15 [D]   1030 .....  1045   43 [D]   1650 .....  40 2230   63 [D]   0430 .....  60												0410   15 [D]   .....  10													
32 DSN COVERAGE	1040   45 [D]   1755 .....  40 1735   43 [D]   0010 .....  40																									
S/C 32 INITIAL CONDITIONS RTLT: 23h 41m 50s CCSL: B140 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 23h 41m 52s												0000 RTLT 23h 41m 56s													
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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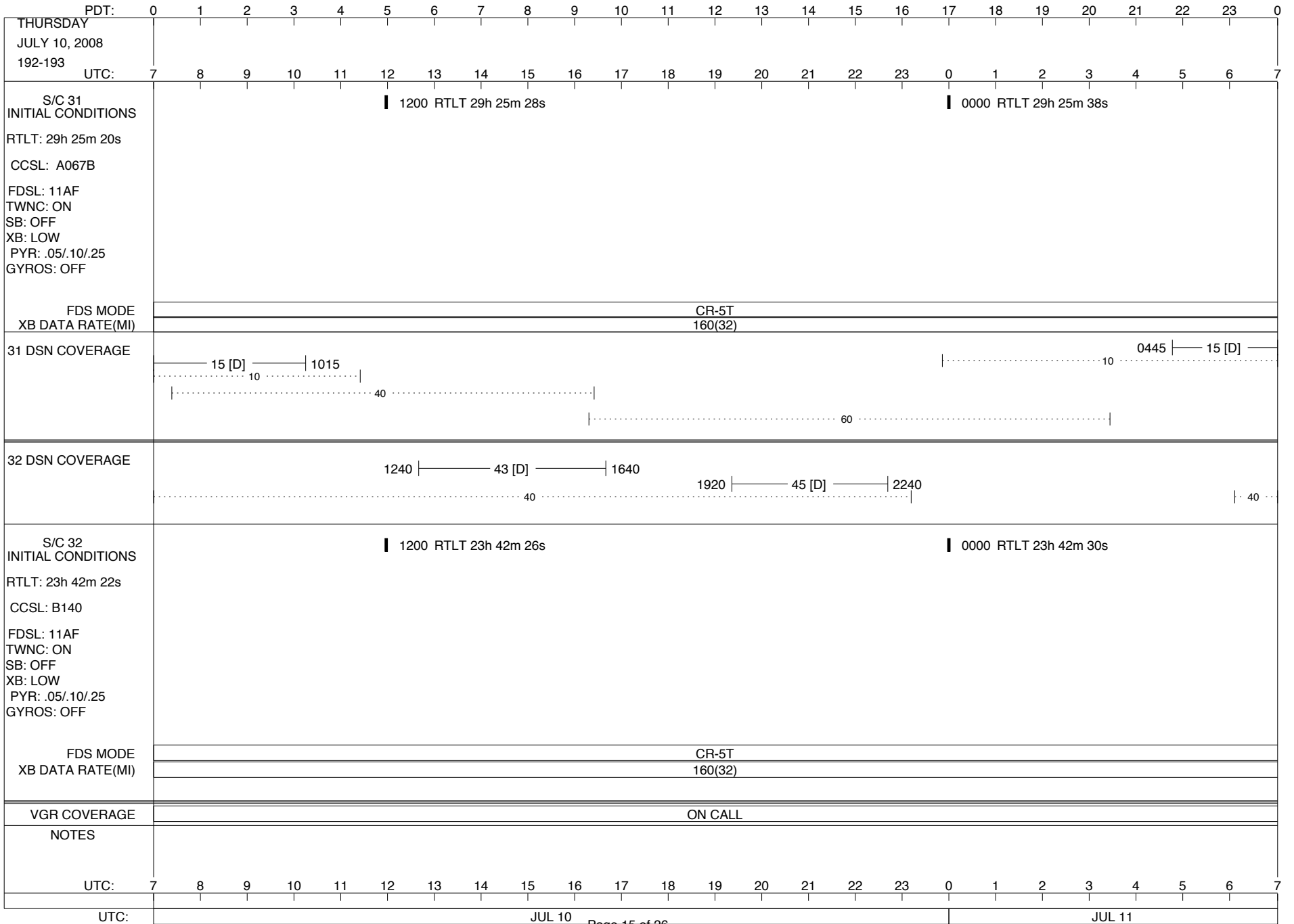


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S/C 31 INITIAL CONDITIONS RTLTL: 29h 24m 46s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 29h 24m 54s												█ 0000 RTLTL 29h 25m 2s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	15 [D]   1020 .....  1045   45 [D]   1445 .....  60 .....												0320   26 [D]   .....  10 .....												
32 DSN COVERAGE	1240   43 [D]   2145 .....  40 .....												40 .....												
S/C 32 INITIAL CONDITIONS RTLTL: 23h 42m 4s CCSL: B140 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 23h 42m 8s												█ 0000 RTLTL 23h 42m 12s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 1237 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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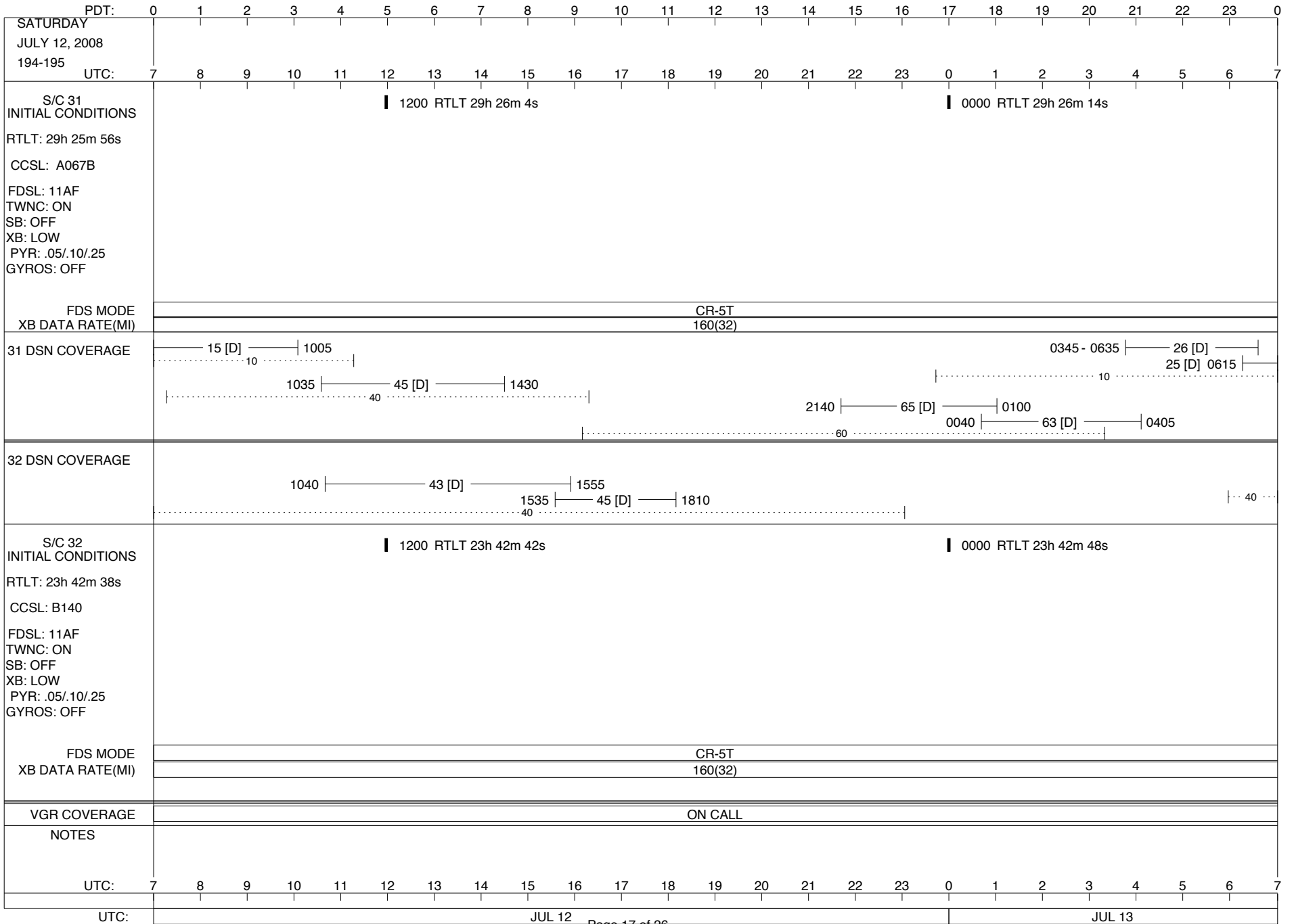
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S/C 31 INITIAL CONDITIONS RTLTL: 29h 25m 2s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 29h 25m 12s												0000 RTLTL 29h 25m 20s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	26 [D]   0800 .....   .....40.....												0220  ----- 25 [D] -----  0545  .....10.....  0525   15 [D]    .....60.....												
32 DSN COVERAGE	1040  ----- 43 [D] -----  1545 .....40.....												2055   43 [B]   2315  .....40.....												
S/C 32 INITIAL CONDITIONS RTLTL: 23h 42m 12s CCSL: B140 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 23h 42m 16s												0000 RTLTL 23h 42m 22s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	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
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ISSUE DATE: 06/25/08 14:54



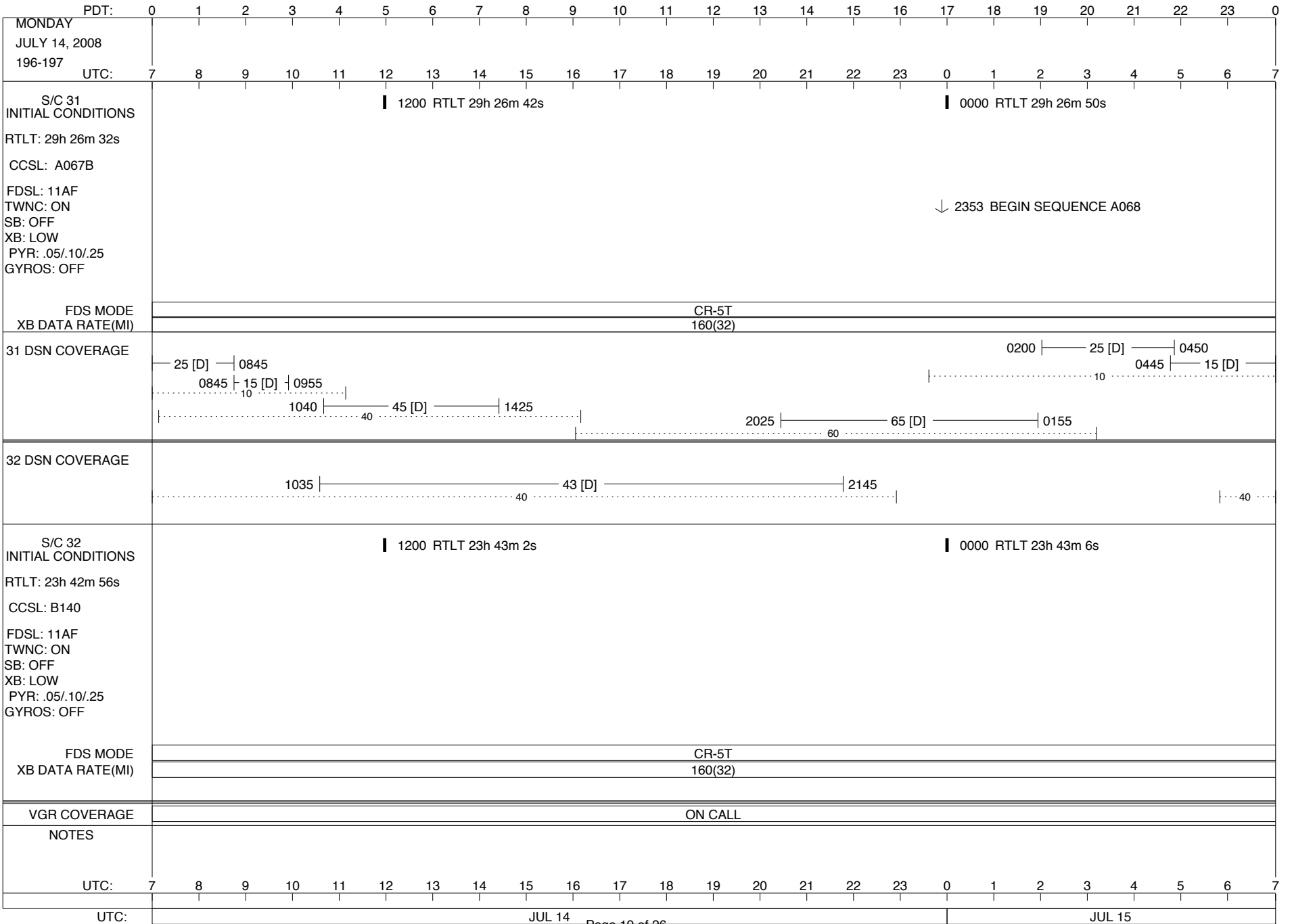


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UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 29h 25m 38s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 29h 25m 46s												█ 0000 RTLT 29h 25m 56s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	15 [D]   0845 .....   .....40												0400   15 [D]   .....   .....60													
	1830   65 [D]   0210 .....   .....																									
32 DSN COVERAGE	1035   45 [D]   1935 .....   .....40												.....40													
S/C 32 INITIAL CONDITIONS RTLT: 23h 42m 30s CCSL: B140 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 23h 42m 34s												█ 0000 RTLT 23h 42m 38s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1837 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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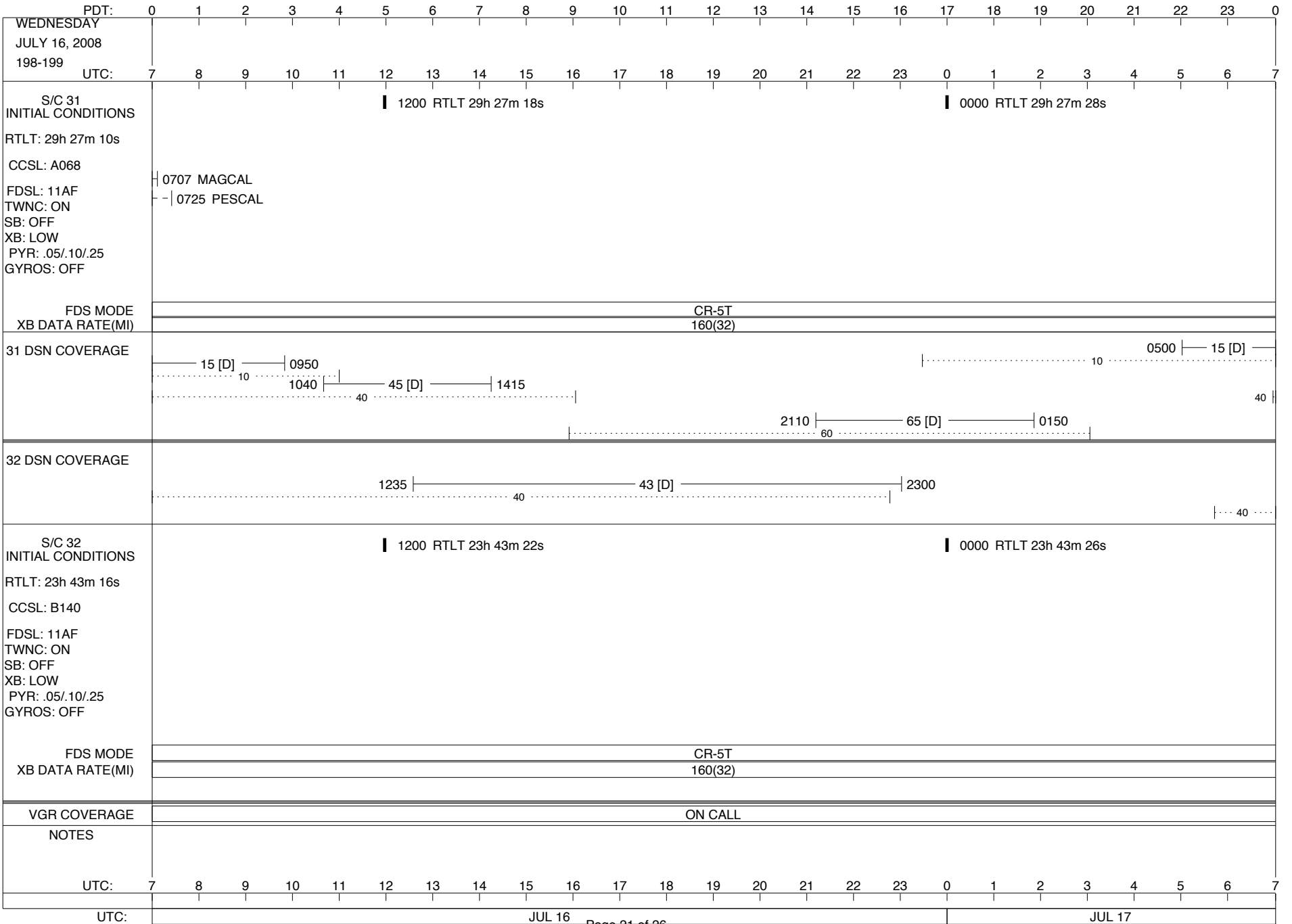
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S/C 31 INITIAL CONDITIONS RTLTL: 29h 26m 14s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 29h 26m 22s												0000 RTLTL 29h 26m 32s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLTL: 23h 42m 48s CCSL: B140 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 23h 42m 52s												0000 RTLTL 23h 42m 56s													
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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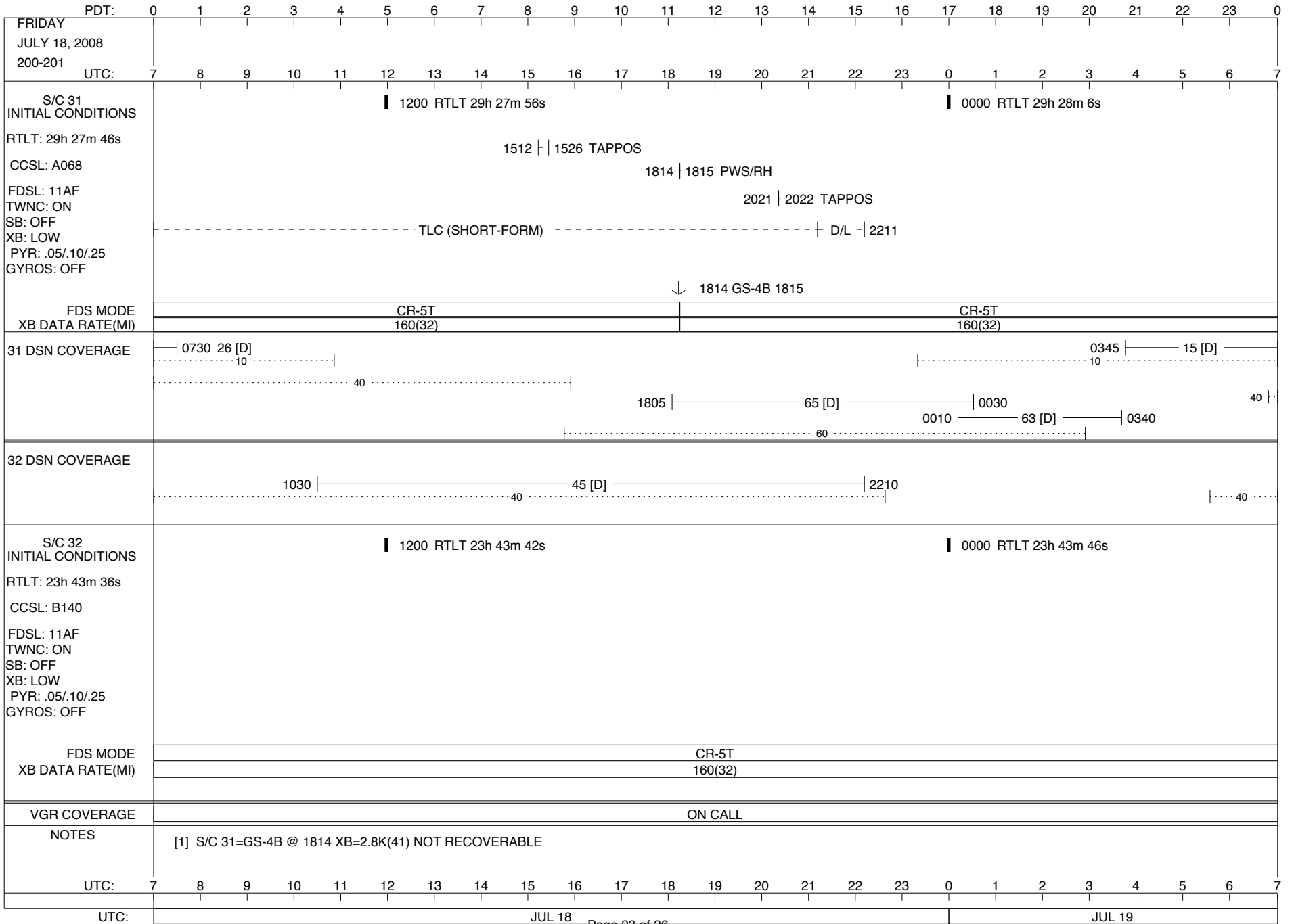


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TUESDAY JULY 15, 2008 197-198																												
S/C 31 INITIAL CONDITIONS RTLTL: 29h 26m 50s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 29h 27m 0s												0000 RTLTL 29h 27m 10s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	<p>Timeline for S/C 31 DSN Coverage:</p> <ul style="list-style-type: none"> <li>0825 - 1040: 15 [D] (duration 10)</li> <li>1040 - 1420: 45 [D] (duration 40)</li> <li>1214 - 1214: PWS/RH</li> <li>1214 GS-4B 1214</li> <li>1950 - 2145: 65 [D] (duration 60)</li> <li>2210 - 0310: 63 [D] (duration 60)</li> <li>0250 - 0445: 25 [D] (duration 10)</li> <li>0445 - 0505: 15 [D] (duration 10)</li> </ul>																											
32 DSN COVERAGE	<p>Timeline for S/C 32 DSN Coverage:</p> <ul style="list-style-type: none"> <li>1235 - 1715: 43 [D] (duration 40)</li> </ul>																											
S/C 32 INITIAL CONDITIONS RTLTL: 23h 43m 6s CCSL: B140 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 23h 43m 12s												0000 RTLTL 23h 43m 16s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 1214 XB=2.8K(41) NOT RECOVERABLE																											
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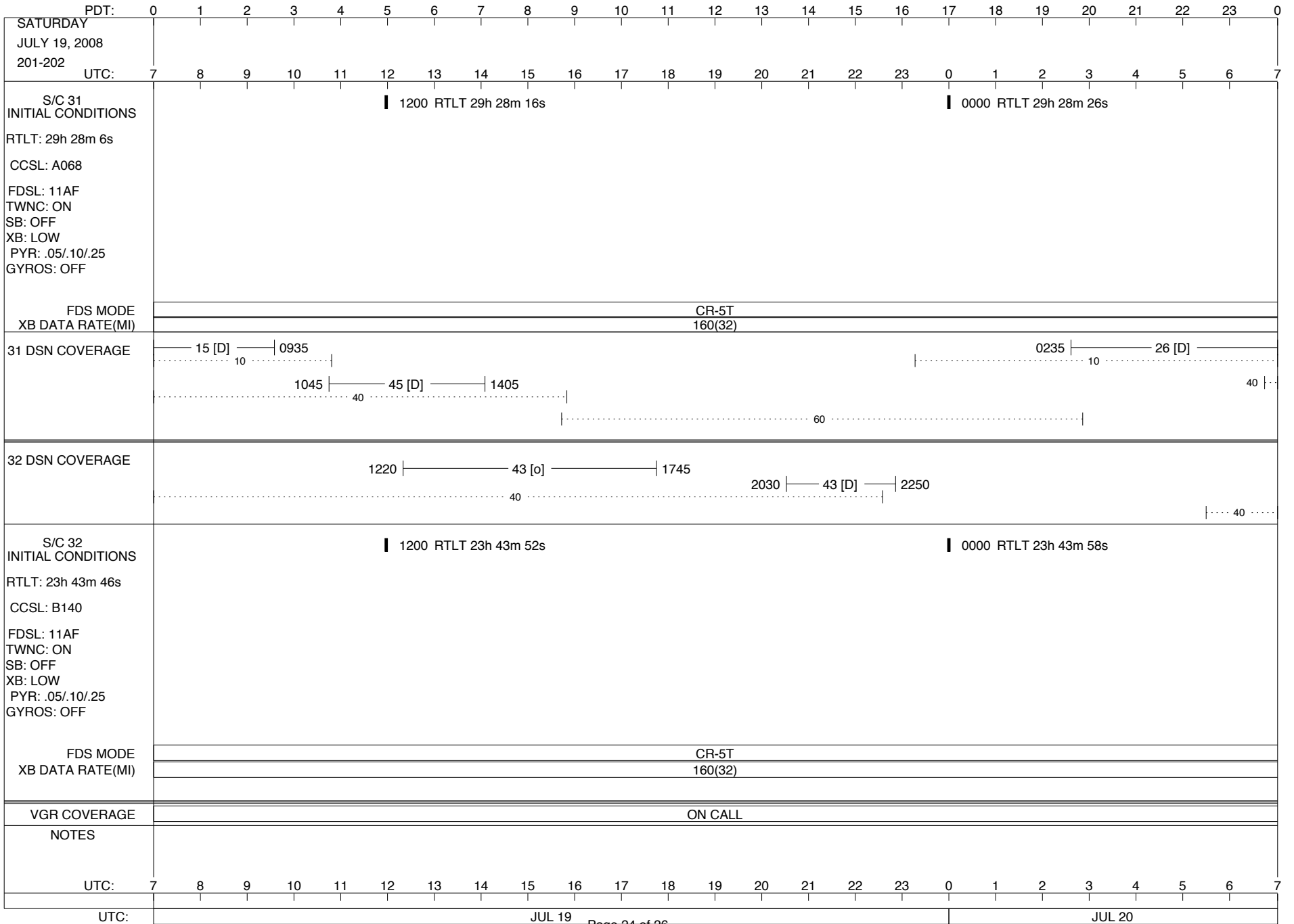


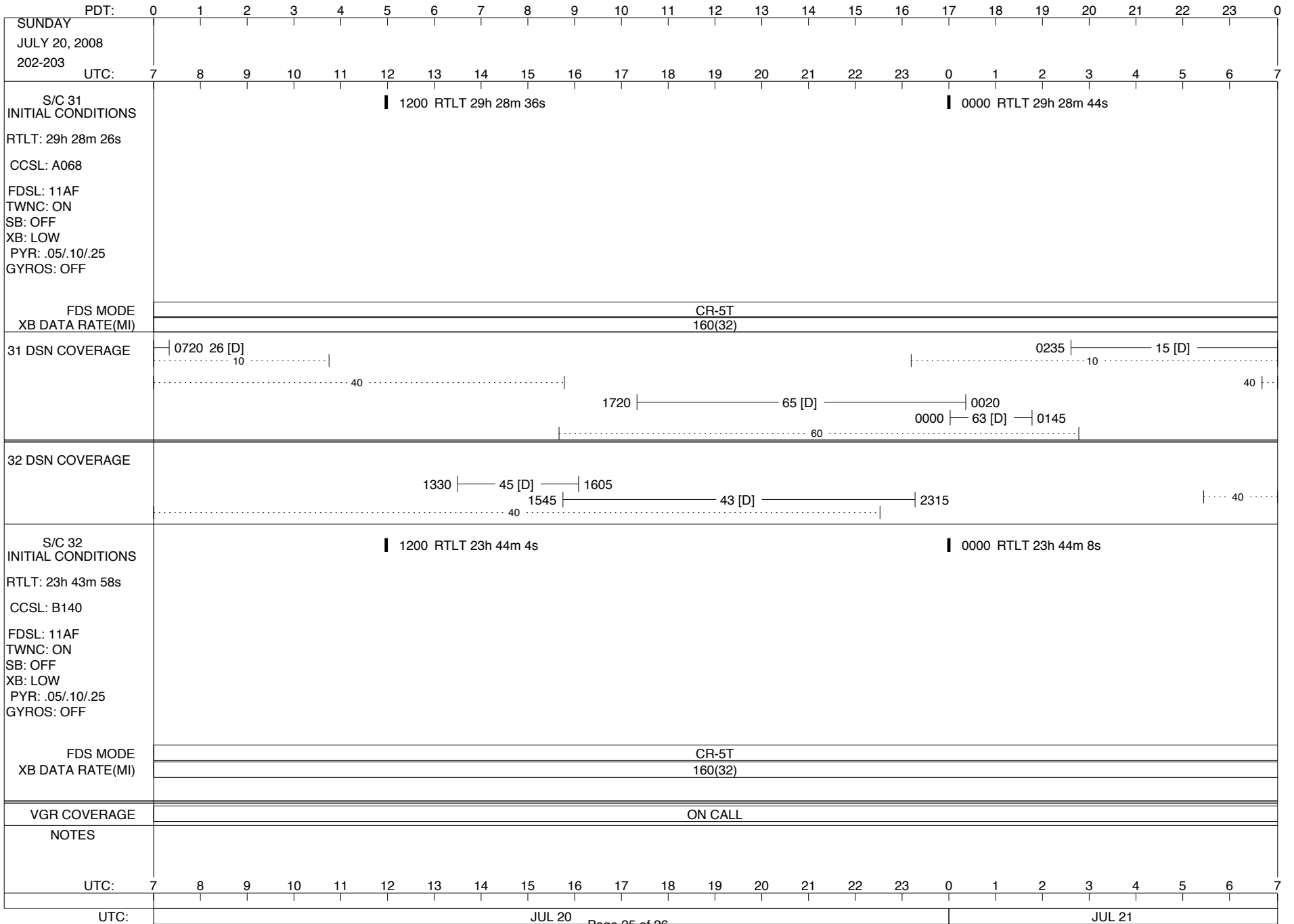






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S/C 31 INITIAL CONDITIONS RTLT: 29h 28m 44s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 28m 54s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>15 [D] 0930</p> <p>10</p> <p>40</p> <p>1820 65 [D] 2050</p>																										
32 DSN COVERAGE	<p>1535 45 [D] 1945</p> <p>40</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 23h 44m 8s CCSL: B140 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 23h 44m 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:	JUL 21													JUL 22													