

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: July 22, 2009

For the Period: 0723/09 to 8/10/09 (09-204 – 09-222)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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 Ludwig, R. (2)  
 Massey, Ed  
 Matsumoto, S.  
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 Poynter, R.  
 Weeks, T.  
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 \* Belinda.Arroyo@jpl.nasa.gov  
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**LEGEND:**

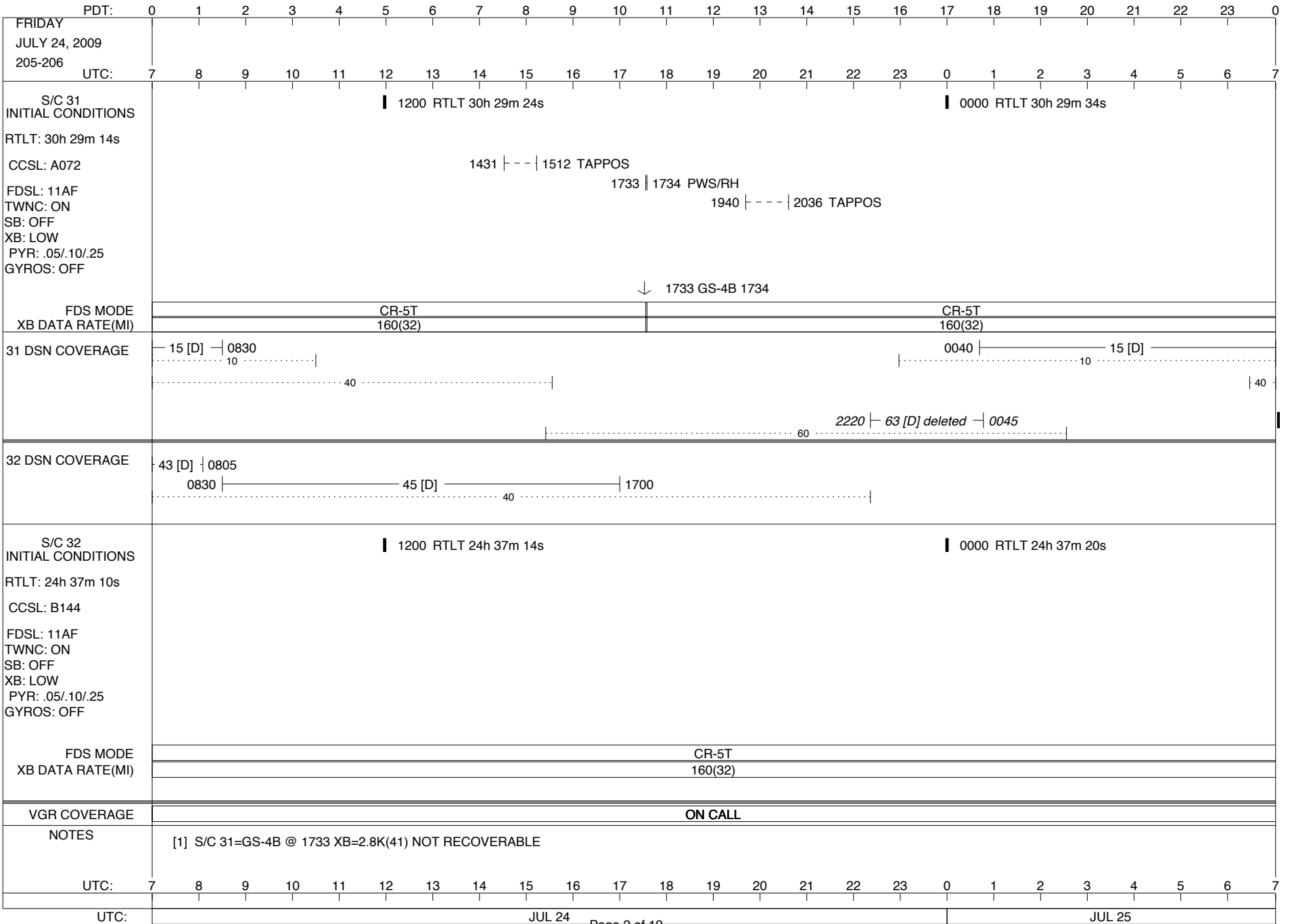
∇ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = 7-Point BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna  
 T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

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

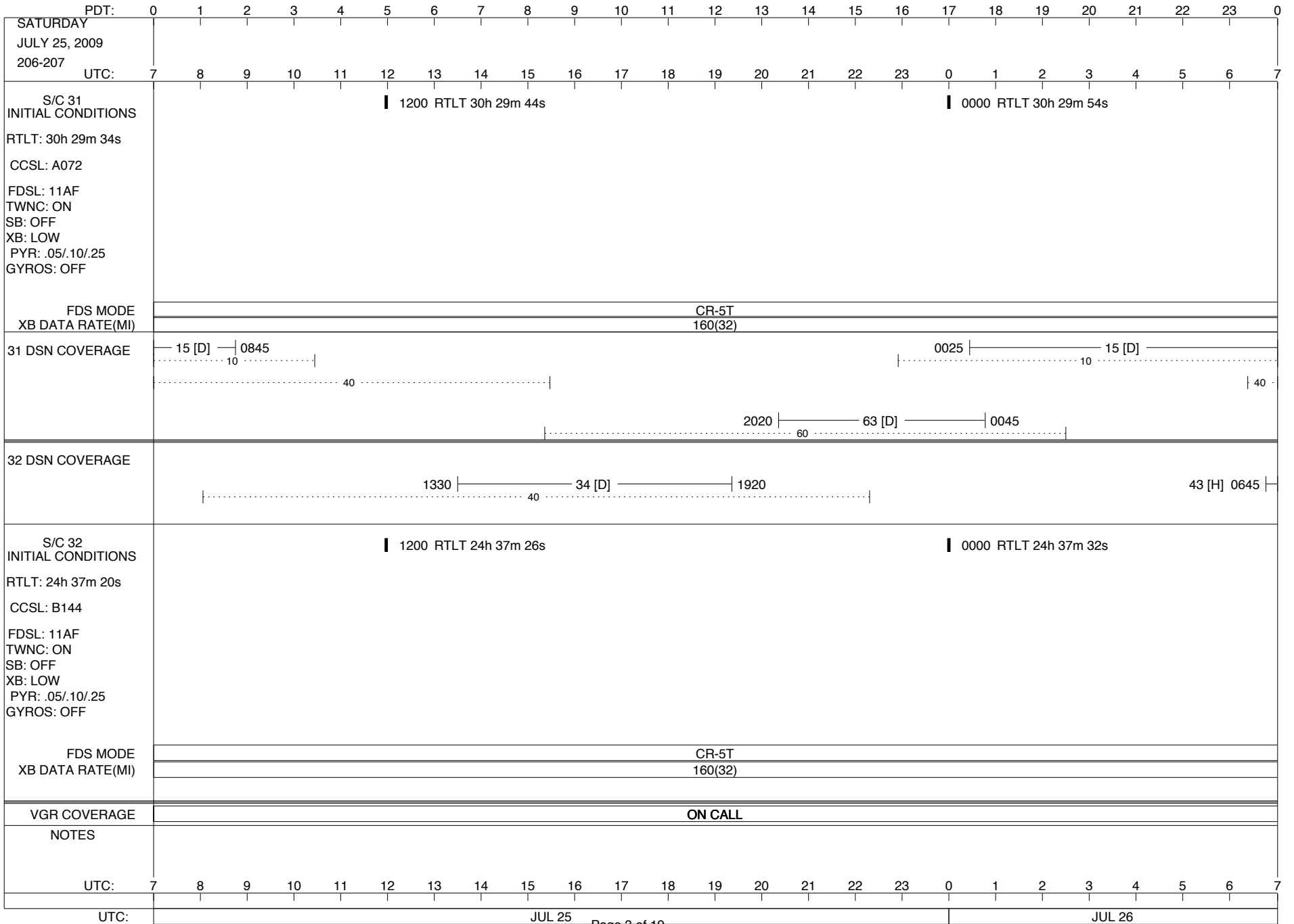
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THURSDAY JULY 23, 2009 204-205																										
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S/C 31 INITIAL CONDITIONS RTLTL: 30h 28m 54s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 30h 29m 4s												0000 RTLT 30h 29m 14s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	24 [DAR]   0830 25 [DA]   0830 0930   45 [D]   1330 40												0120   15 [D]   40 10													
32 DSN COVERAGE	43 [D]   0850 0835   34 [o]   1755 40												0425   43 [D]   40													
S/C 32 INITIAL CONDITIONS RTLTL: 24h 36m 58s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 24h 37m 4s												0000 RTLT 24h 37m 10s													
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:	JUL 23												JUL 24													

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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
SUNDAY JULY 26, 2009 207-208																									
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S/C 31 INITIAL CONDITIONS RTLTL: 30h 29m 54s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 30m 4s												0000 RTLTL 30h 30m 14s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	15 [D] 0855 .....  .....  .....												0020   15 [D] .....  .....  .....												
32 DSN COVERAGE	43 [H] 1630 .....  .....  .....												2120   63 [D] 0045 .....  .....  .....												
S/C 32 INITIAL CONDITIONS RTLTL: 24h 37m 32s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 24h 37m 40s												0000 RTLTL 24h 37m 46s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL				VGR				ON CALL																
NOTES	▼ 1143 HPOINT PTR DMRO (12:22) ▼ 1243 HPOINT PTR DMRO (13:22) ▼ 1345 DUMMY (14:23)																								
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 26												JUL 27												

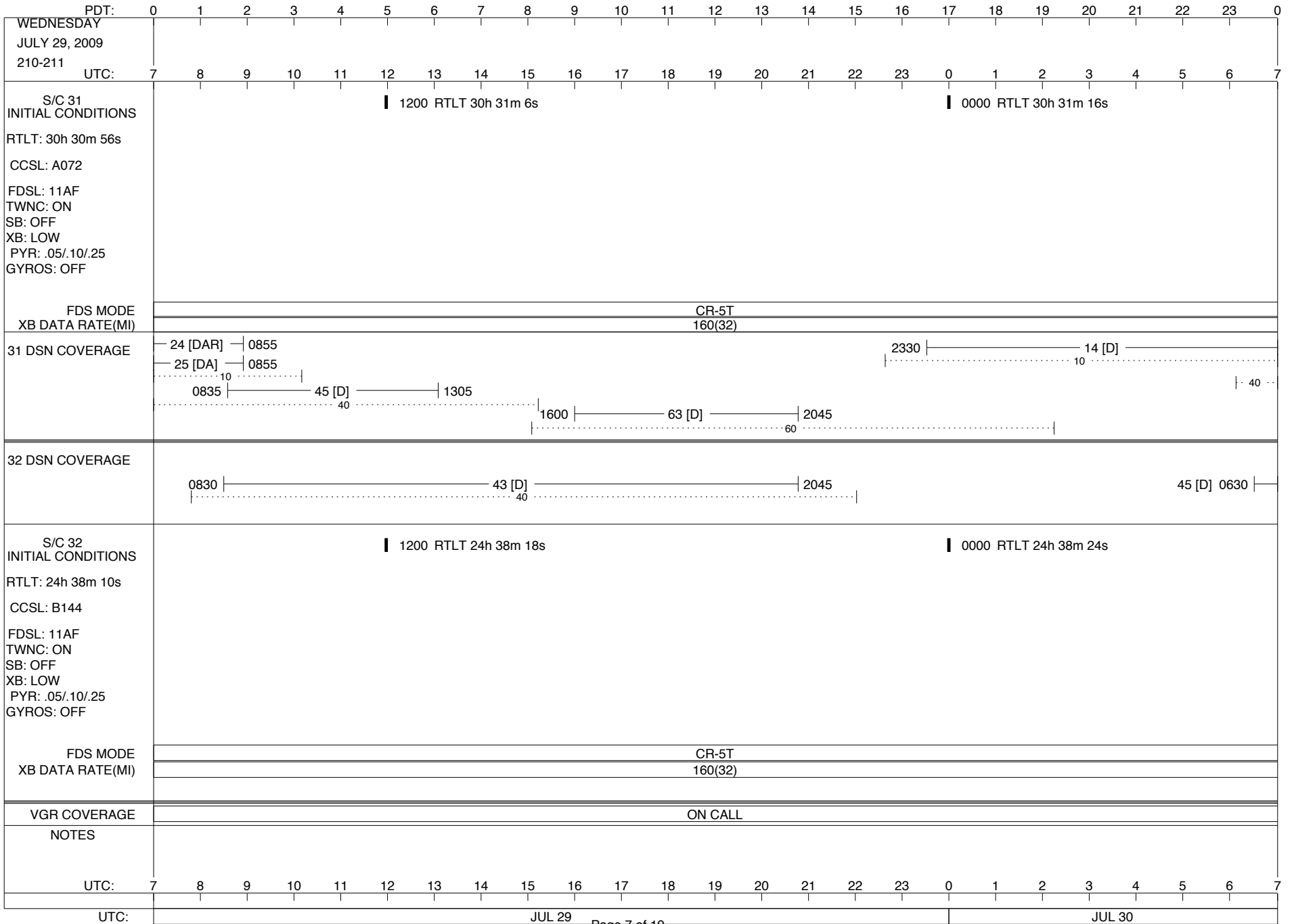
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MONDAY JULY 27, 2009 208-209																									
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S/C 31 INITIAL CONDITIONS RTLT: 30h 30m 14s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 30h 30m 26s												0000 RTLT 30h 30m 36s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	15 [D] 0825 .....  10 .....												2330 - 0625  -----  14 [D] -----  ..... -----  10 ..... 15 [D] 0605  -----  ..... -----  40 .....												
													2115  -----  63 [D] -----  2350 60 .....												
32 DSN COVERAGE	1115  -----  45 [D] -----  1750 ..... -----  40 .....												43 [D] 0630  -----												
S/C 32 INITIAL CONDITIONS RTLT: 24h 37m 46s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 24h 37m 52s												0000 RTLT 24h 37m 58s												
	* 1226  -----  1251 HPOINT PTR DRIBBLE MRO																								
	* 1326  -----  1351 HPOINT PTR DRIBBLE MRO																								
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
UTC:	JUL 27												JUL 28												

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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	
TUESDAY JULY 28, 2009 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 RTLTL: 30h 30m 36s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 30h 30m 46s												█ 0000 RTLTL 30h 30m 56s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	15 [D] 10 0850												0440 24 [DAR]													
	1100 40 45 [D] 1310												0440 25 [DA]													
	1530 63 [D] 1845												2315 55 [DAR] 0055													
													2315 65 [DA] 0055													
													60													
32 DSN COVERAGE	43 [D] 1655																									
	1645 34 [D] 1905																									
	40																									
S/C 32 INITIAL CONDITIONS RTLTL: 24h 37m 58s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 24h 38m 4s												█ 0000 RTLTL 24h 38m 10s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1109 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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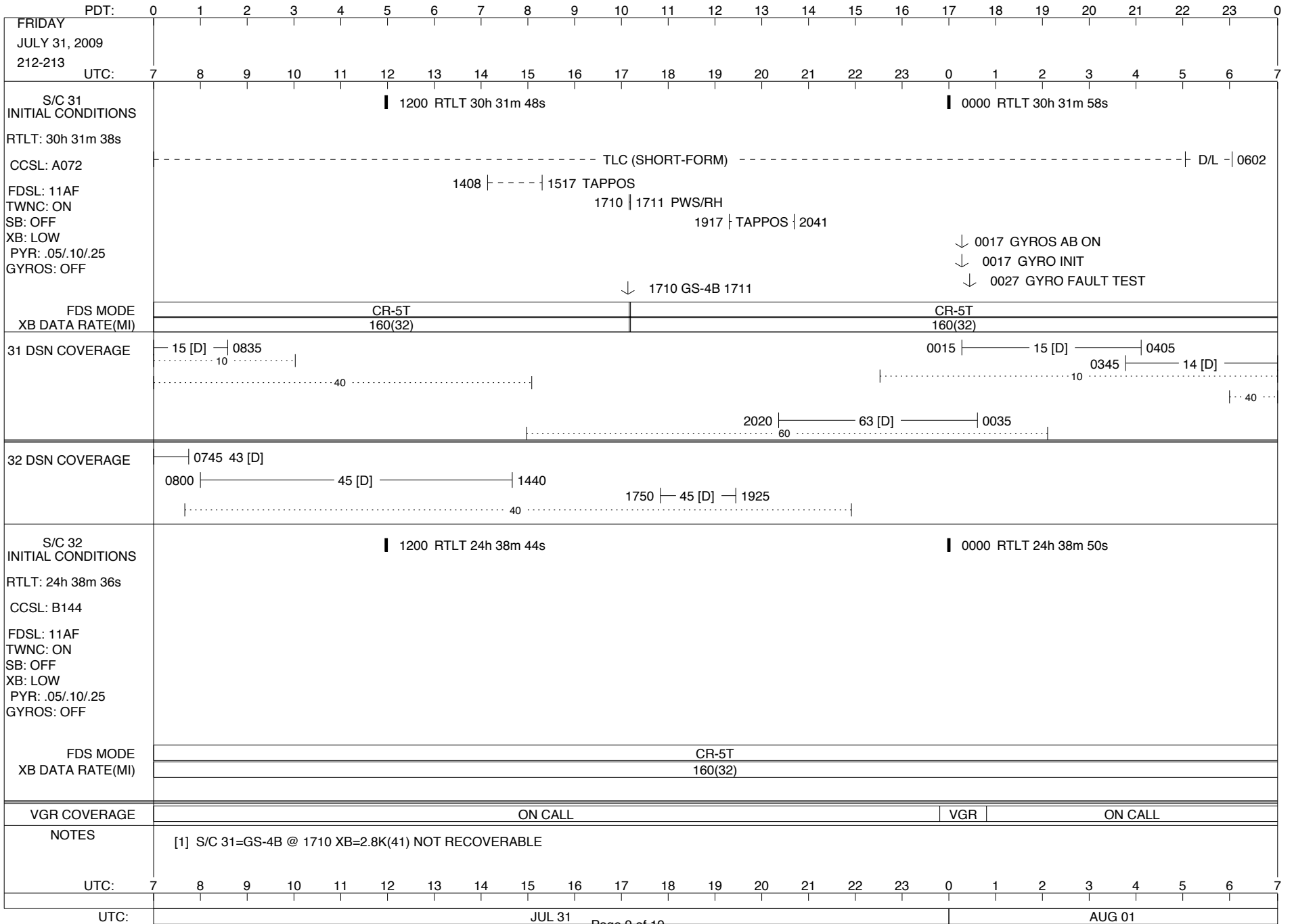




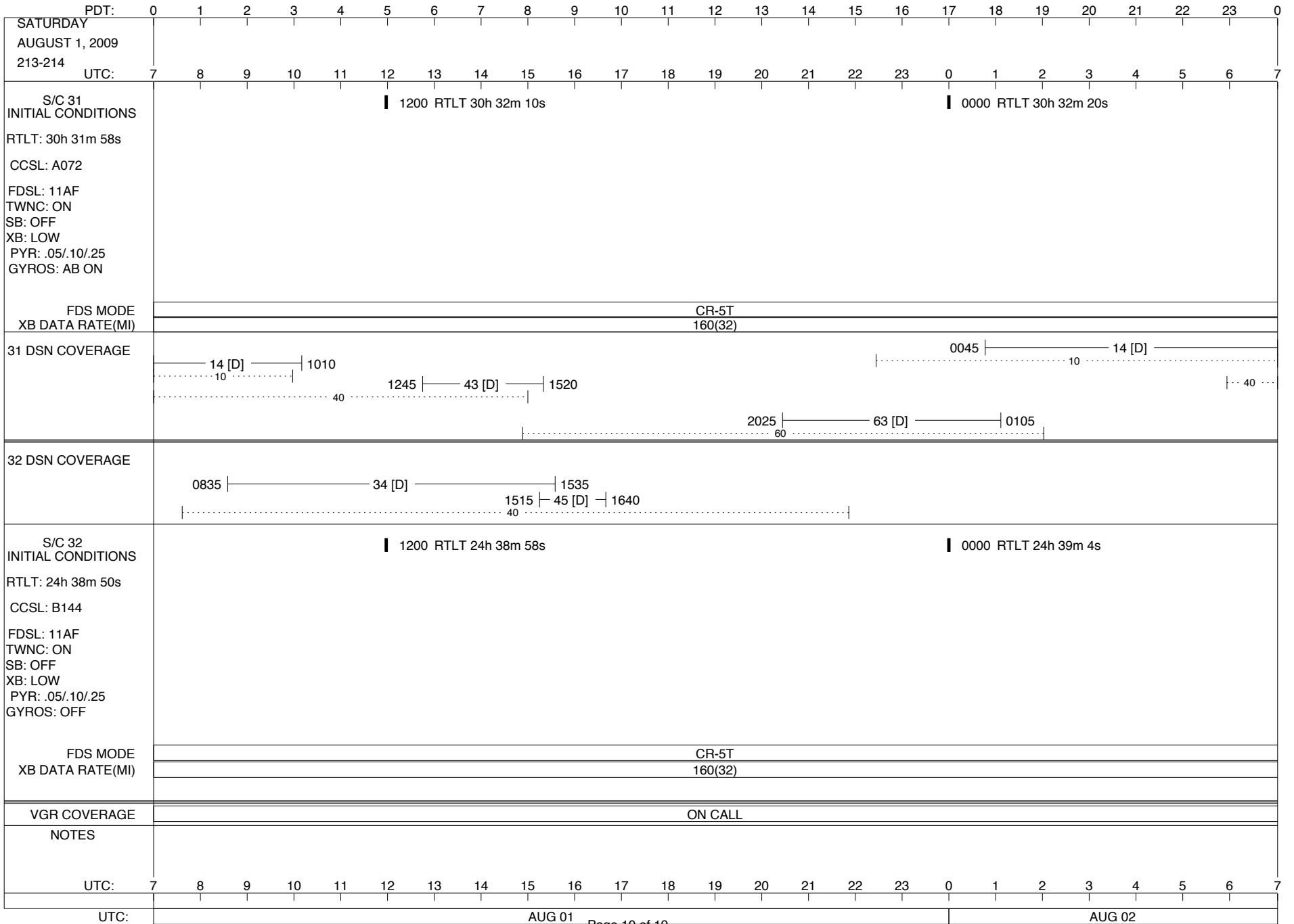
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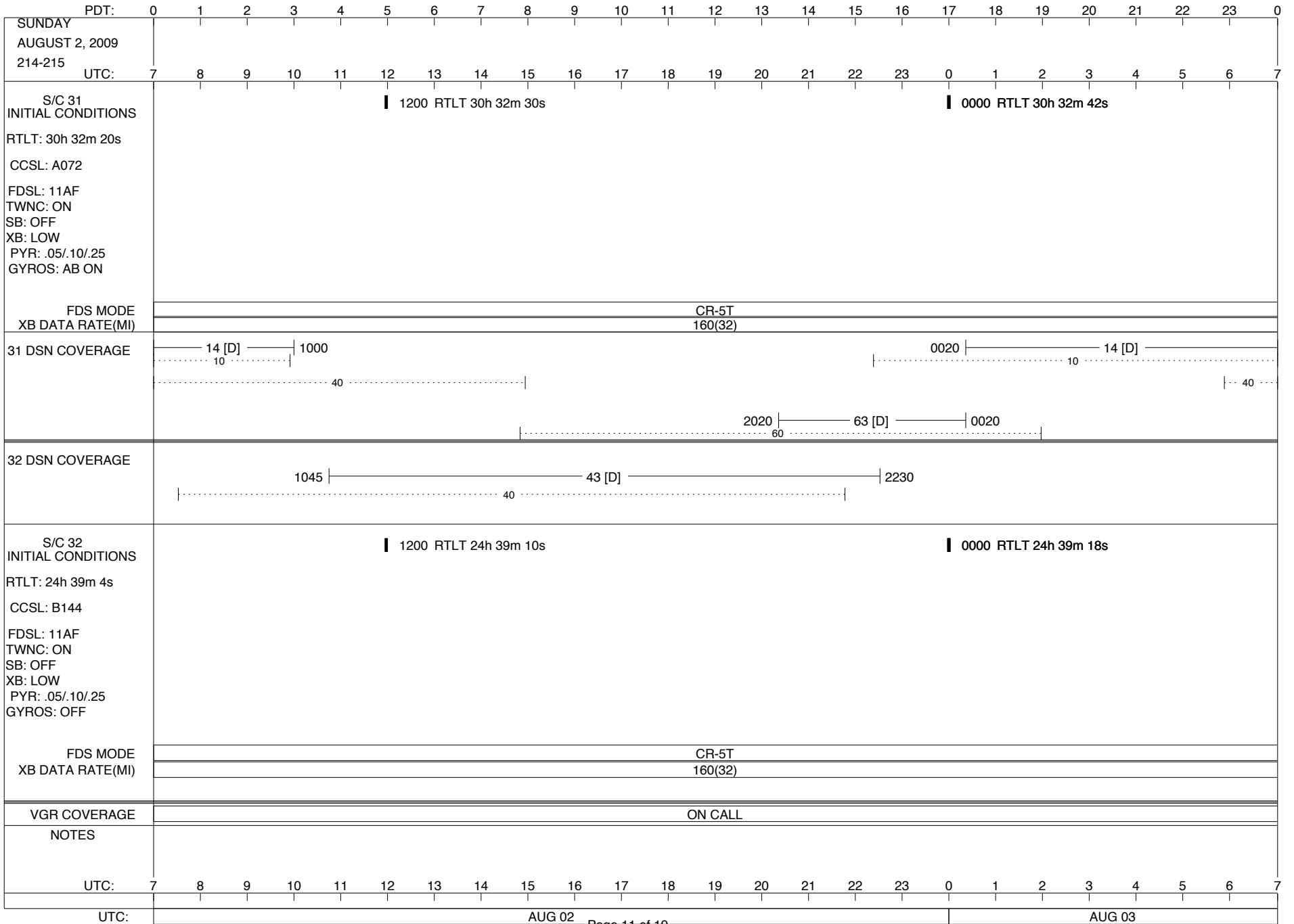
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THURSDAY JULY 30, 2009 211-212																											
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S/C 31 INITIAL CONDITIONS RTLT: 30h 31m 16s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 31m 28s												0000 RTLT 30h 31m 38s														
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE	14 [D]   0820 .....  .....40 .....												0000   ..... 15 [D] ..... .....  .....40 .....														
32 DSN COVERAGE	45 [D] .....  1745 .....												1950   ..... 63 [T] .....  0020 .....														
S/C 32 INITIAL CONDITIONS RTLT: 24h 38m 24s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 38m 30s												0000 RTLT 24h 38m 36s														
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												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		
UTC:	JUL 30														JUL 31												

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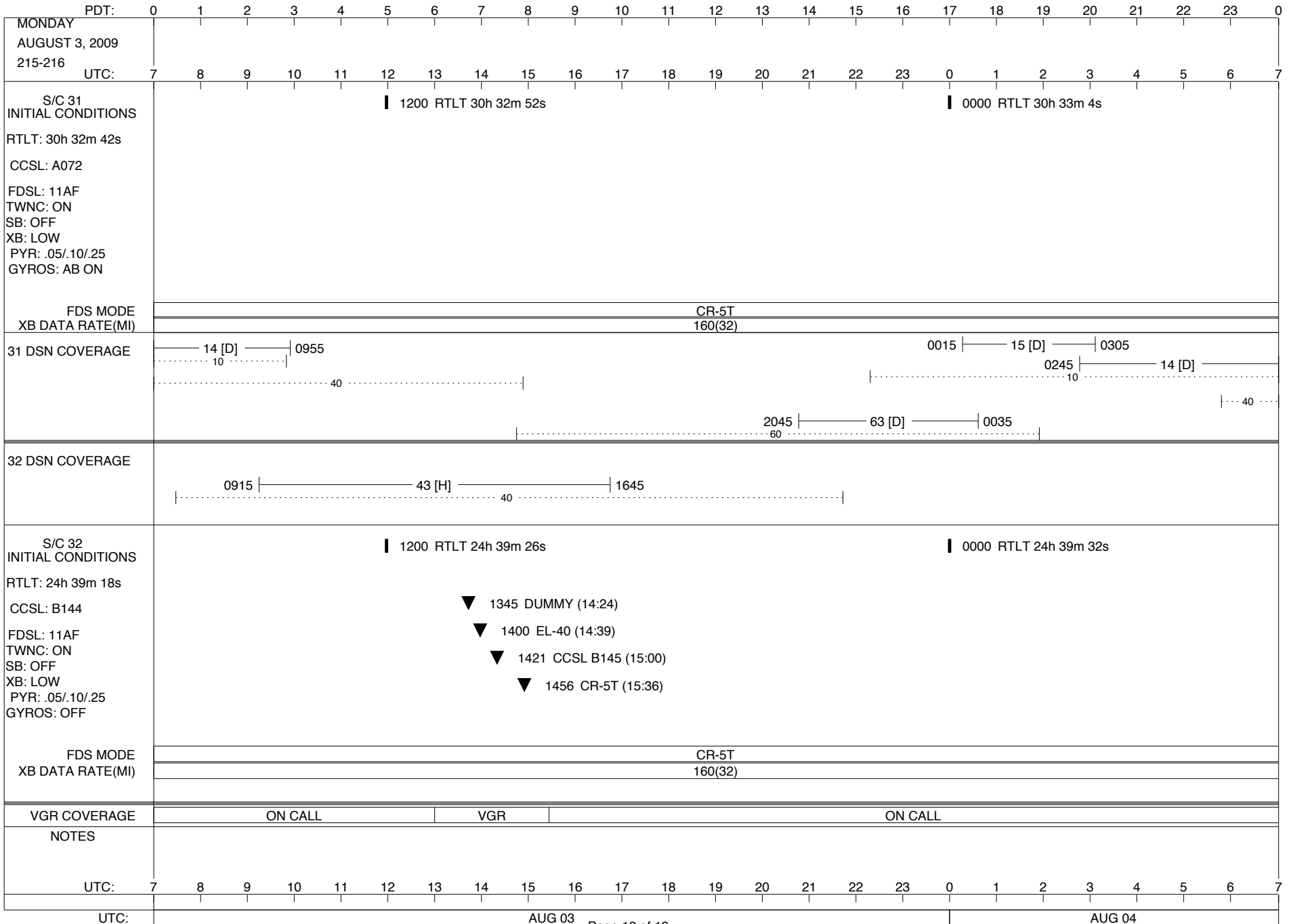


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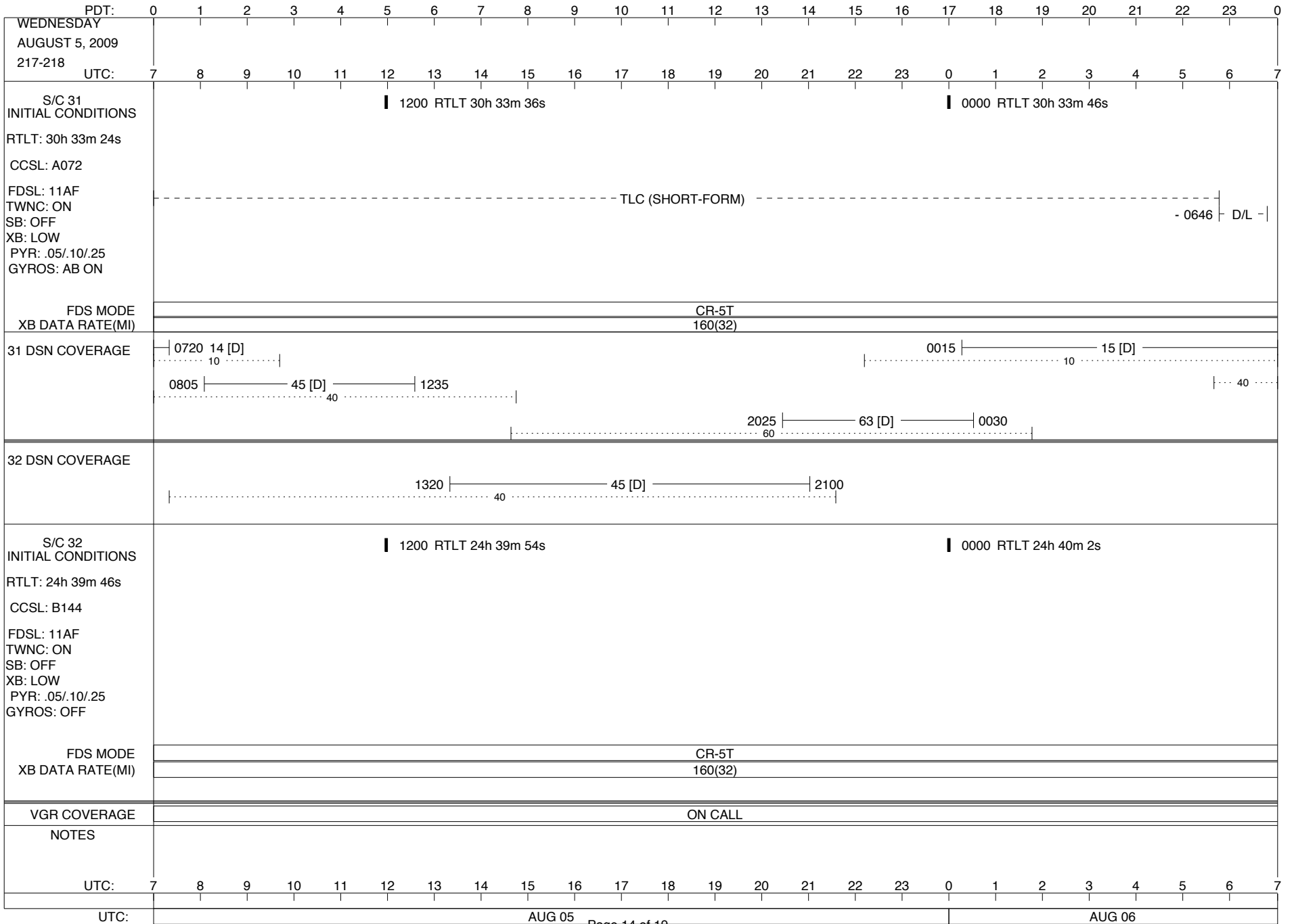
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ISSUE DATE: 07/24/09 23:30

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
TUESDAY AUGUST 4, 2009 216-217	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: 30h 33m 4s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	1200 RTLTL 30h 33m 14s												0000 RTLTL 30h 33m 24s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0825 10												0330 14 [D] 10												
32 DSN COVERAGE	0750 45 [D] 1205 1145 43 [D] 1650 40												2035 63 [T] 0015 60												
S/C 32 INITIAL CONDITIONS RTLTL: 24h 39m 32s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 24h 39m 40s												0000 RTLTL 24h 39m 46s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)						EL-40 40(30)						CR-5T 160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1046 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:	AUG 04												AUG 05												

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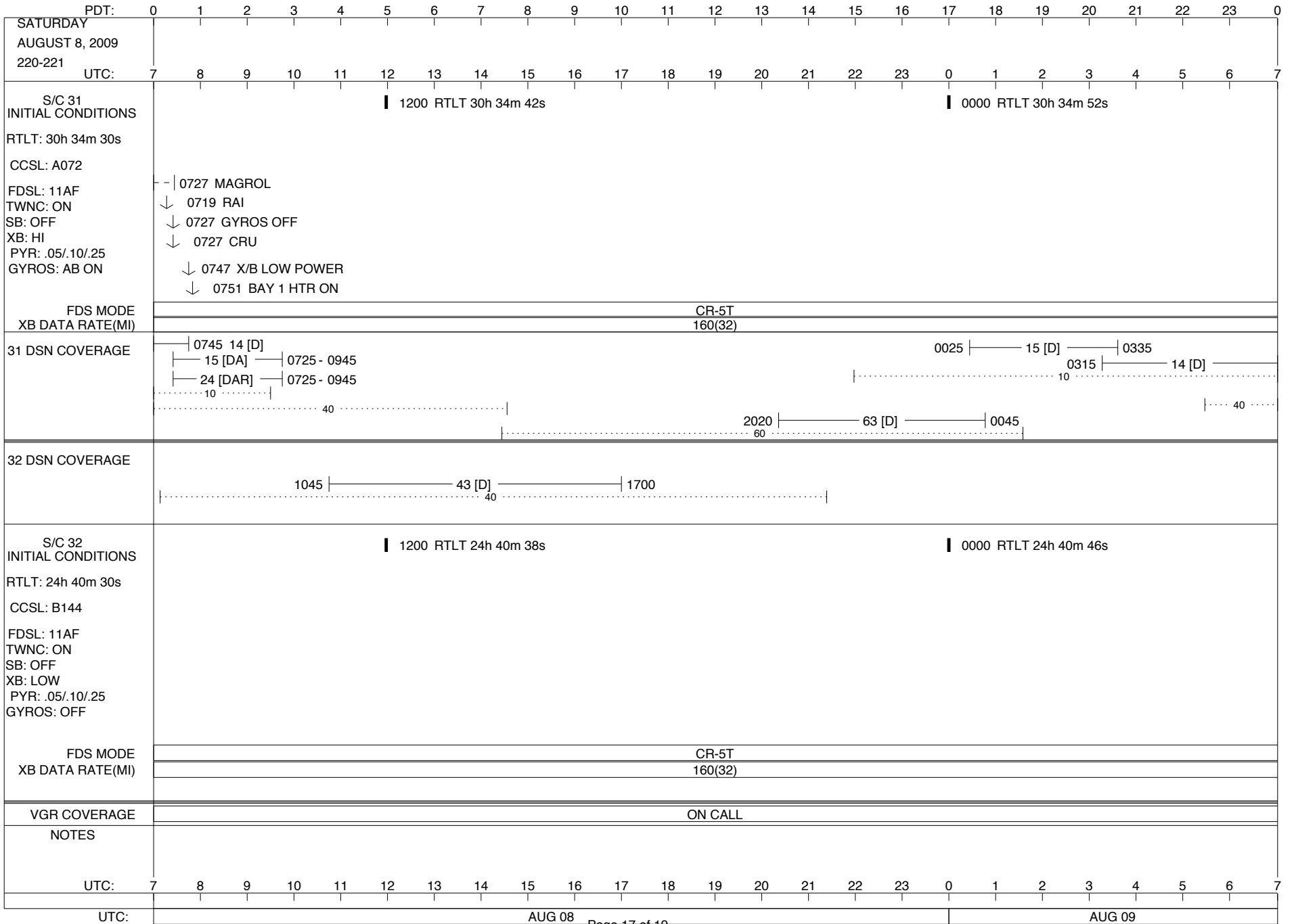
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THURSDAY AUGUST 6, 2009 218-219																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 30h 33m 46s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AB ON						█ 1200															█ 0000					
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	15 [D]   0810 .....  .....40.....												2335   .....15 [D] ..... .....  .....60.....													
32 DSN COVERAGE	1035   .....43 [D] .....  1650 .....  .....40.....																									
S/C 32 INITIAL CONDITIONS RTLT: 24h 40m 2s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200																				
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												



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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
FRIDAY AUGUST 7, 2009 219-220	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: 30h 34m 8s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	1200 RTLT 30h 34m 20s												0000 RTLT 30h 34m 30s ↓ 0058 BAY 1 HTR OFF ↓ 0102 X/B HI POWER ↓ 0128 AAI 0130  ----- MAGROL -----												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	15 [D]   0805 ..... 10 .....												0010  ----- 14 [D] ----- ..... 10 .....												
	..... 40 .....												..... 60 .....												
	..... 2020  ----- 63 [D] -----   0030 ..... 60 .....												..... 40 .....												
32 DSN COVERAGE	0830  ----- 45 [D] -----   1510 ..... 40 .....																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 40m 16s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 40m 24s												0000 RTLT 24h 40m 30s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1647 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0130-0726)																								
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 07												AUG 08												

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