

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: July 15, 2009

For the Period: 07/16/09 to 8/3/09 (09-197– 09-215)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (15) 600-100

DSOT (1) 230-102

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 *Donald-Gurnett@uiowa.edu

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

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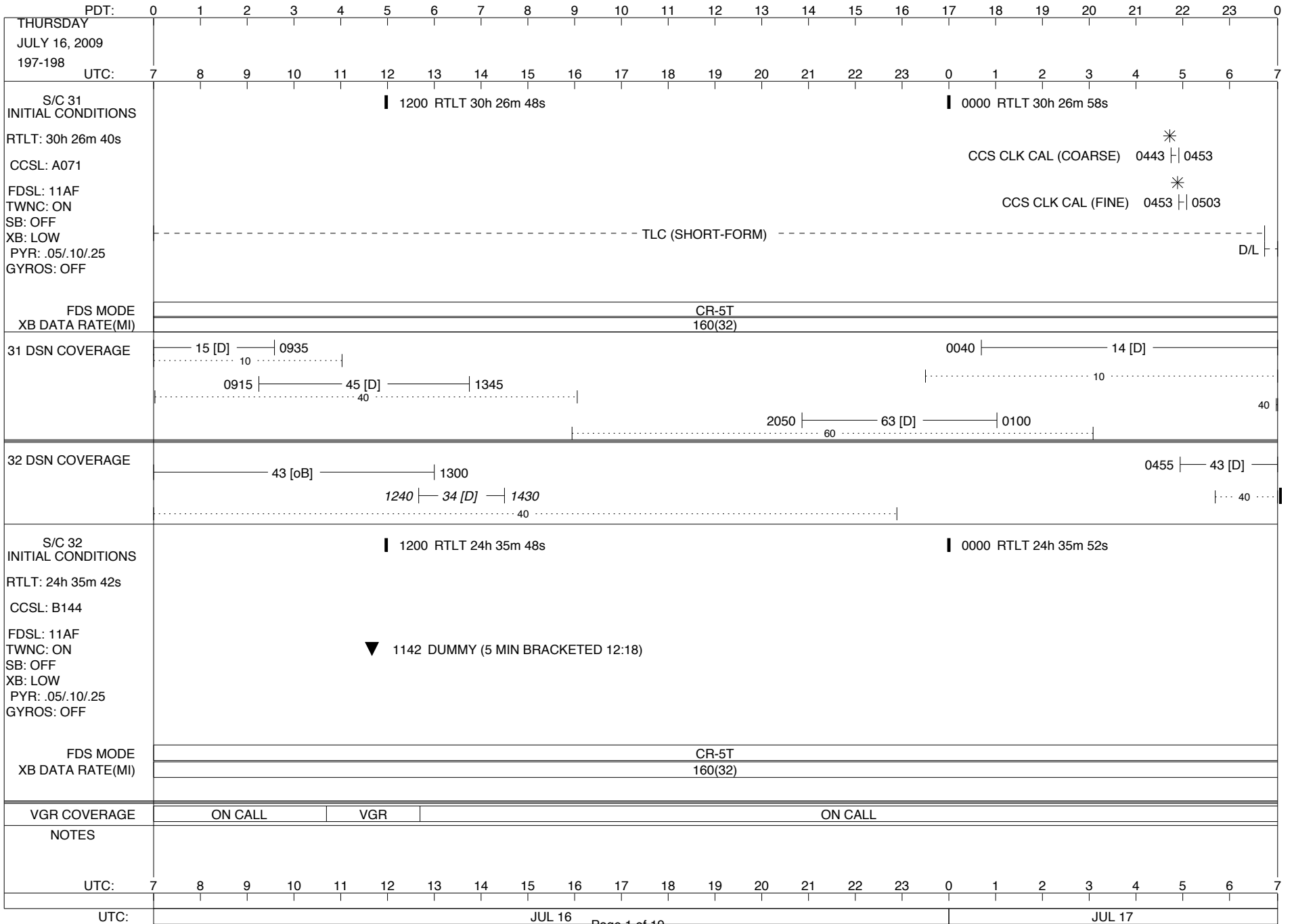
OTHER

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

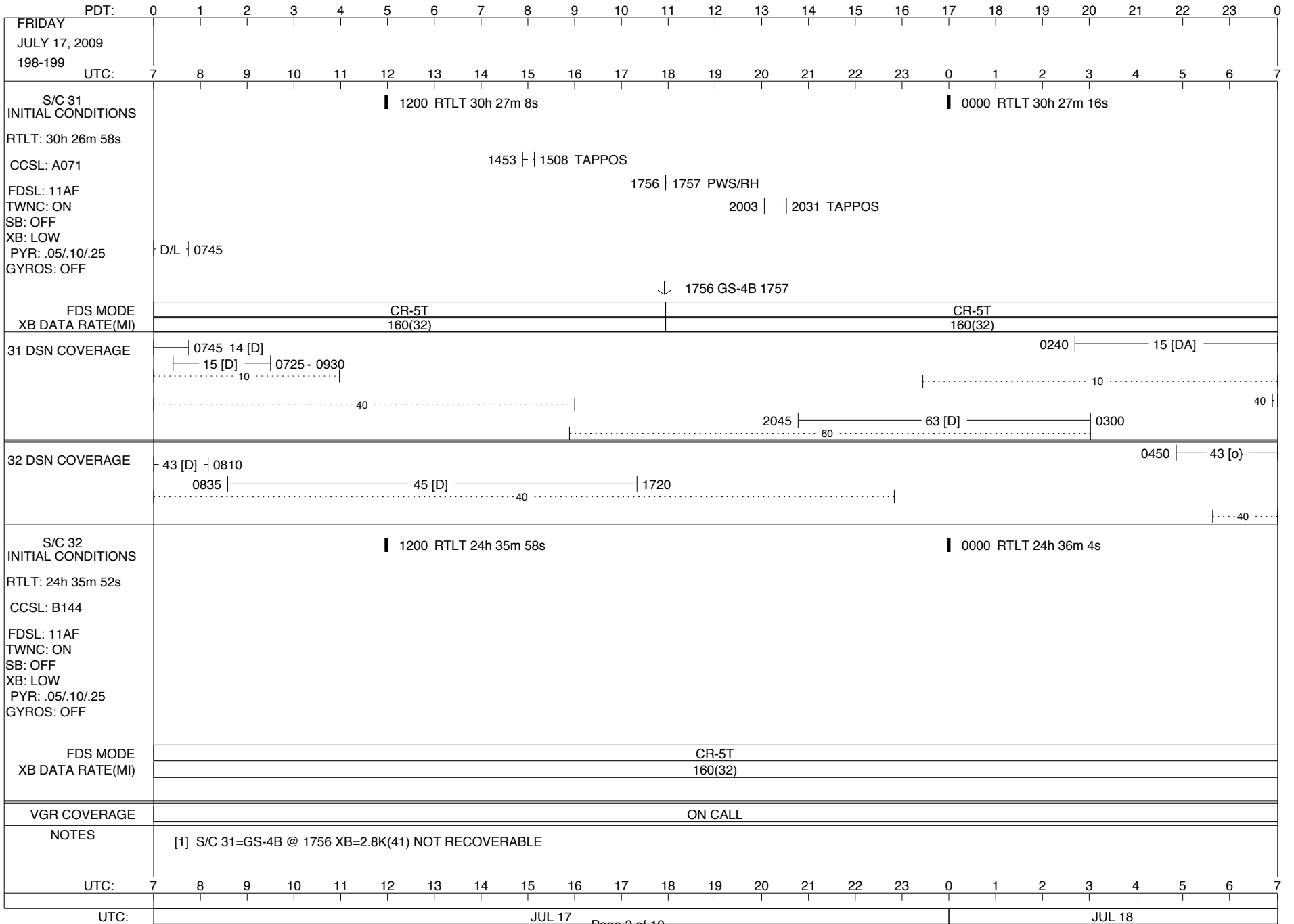
LEGEND:

∇ = 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

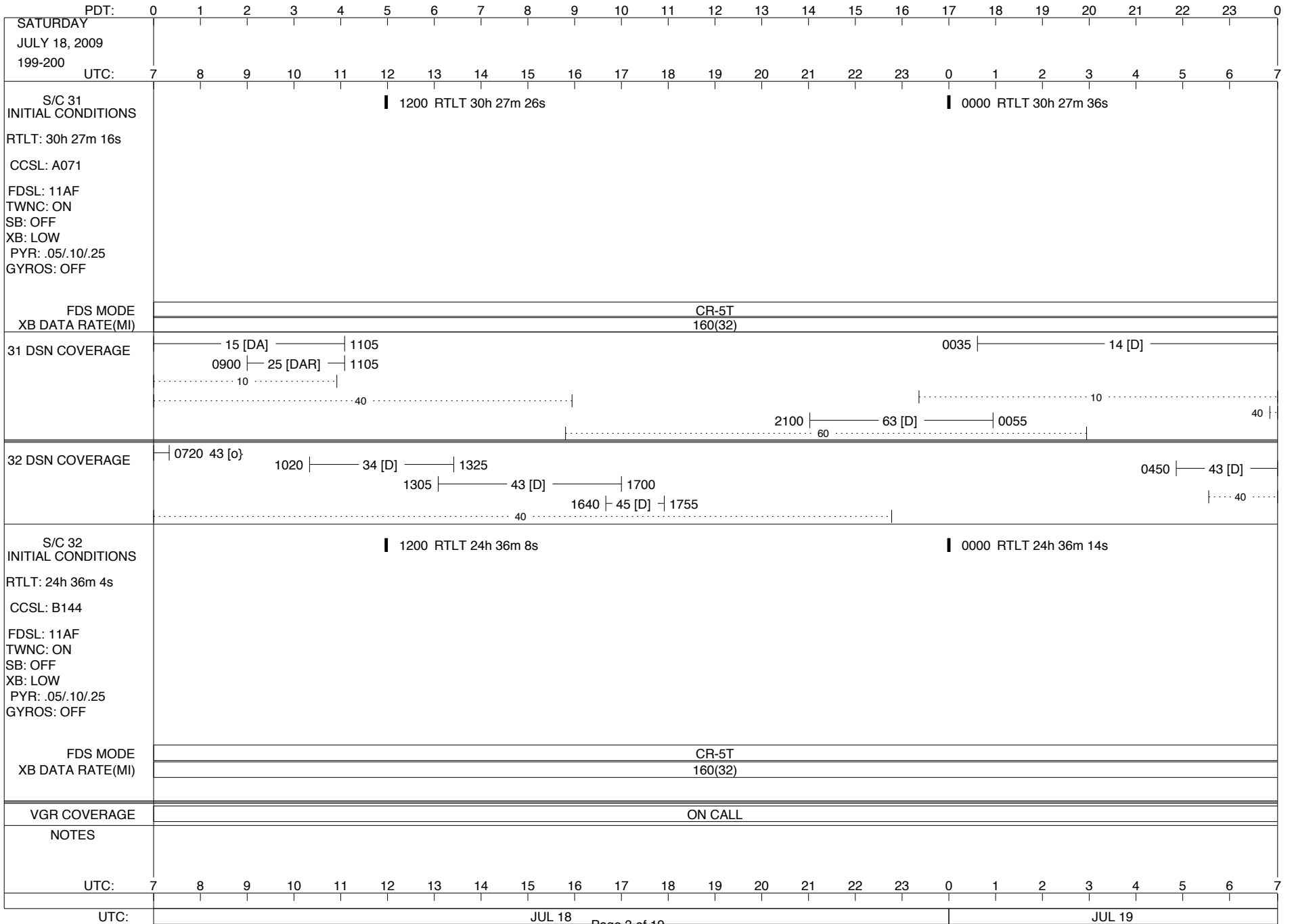
*Electronic Copy Only
 (17 – Dist/N: Paper Copies)
 04/02/09



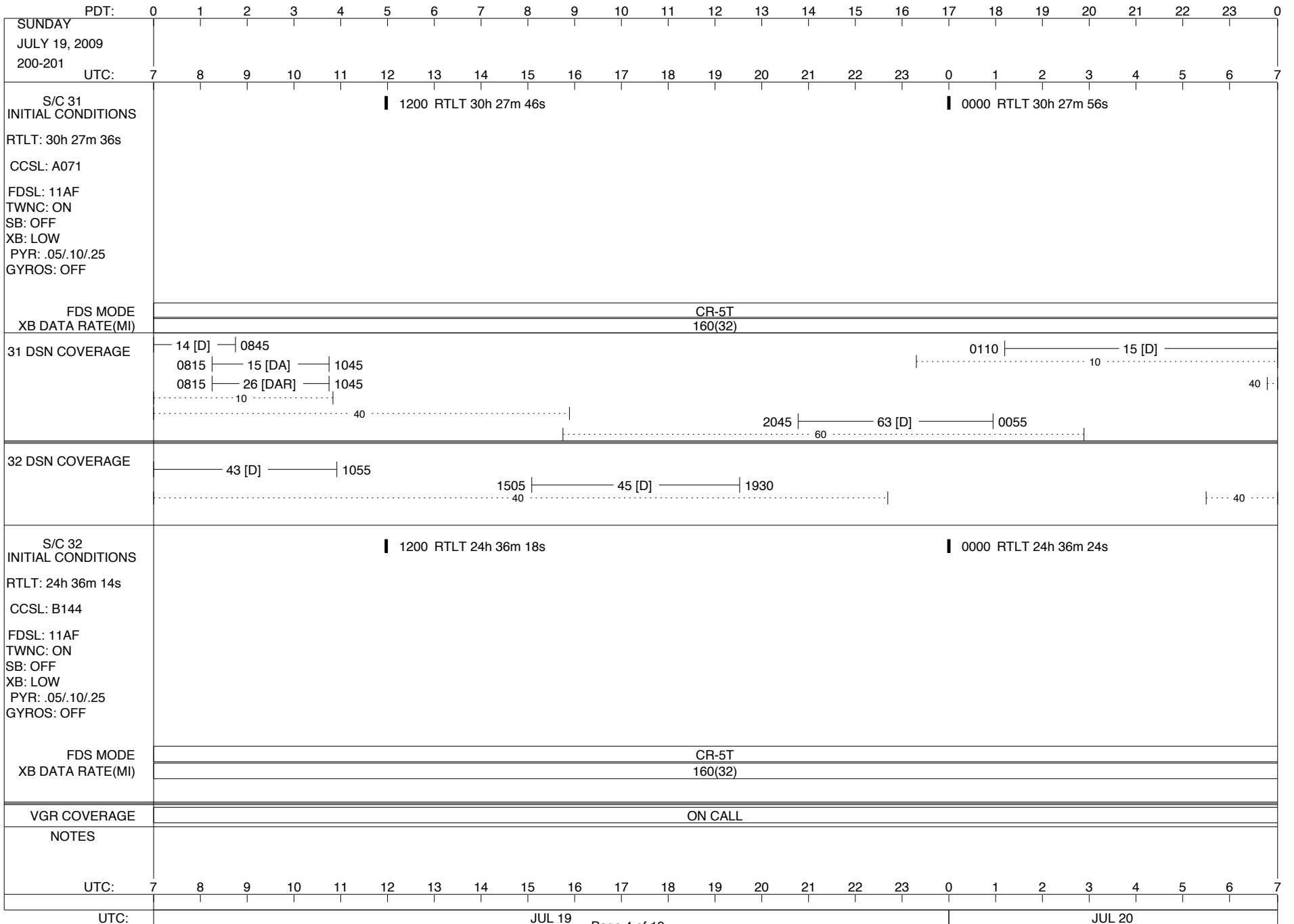
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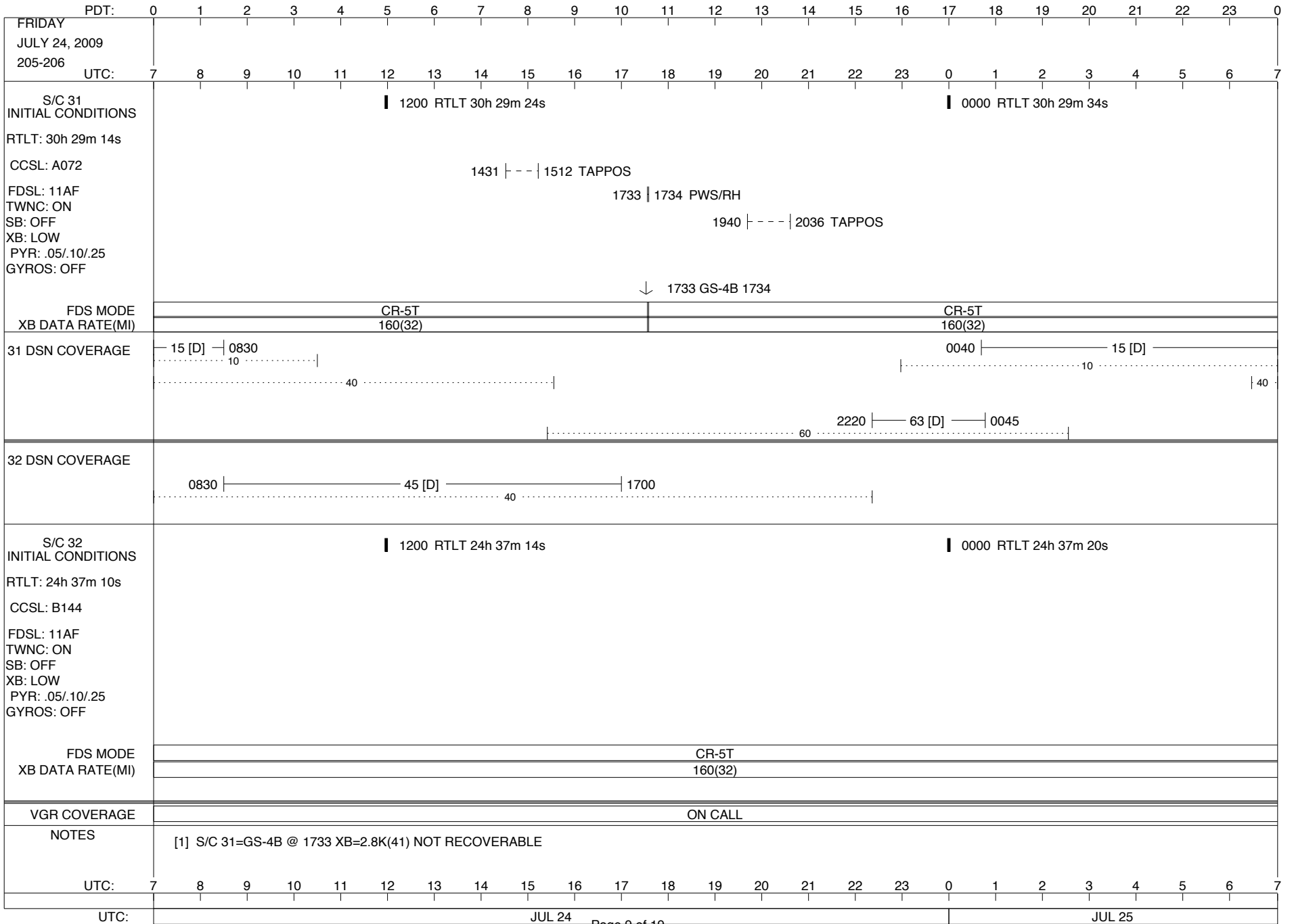


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S/C 31 INITIAL CONDITIONS RTLT: 30h 27m 56s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 30h 28m 4s												█ 0000 RTLT 30h 28m 14s												
FDS MODE	CR-5T												↓ 0024 BEGIN SEQUENCE A072												
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	15 [D] 0850 10												0150 - 0625 15 [D]												
40												25 [DA] 0605 26 [DAR] 0605 10												
60												2220 63 [D] 005040												
32 DSN COVERAGE	0905 45 [D] 17004040												
S/C 32 INITIAL CONDITIONS RTLT: 24h 36m 24s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 24h 36m 30s												█ 0000 RTLT 24h 36m 34s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES																									
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TUESDAY JULY 21, 2009 202-203																												
S/C 31 INITIAL CONDITIONS RTLT: 30h 28m 14s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 28m 24s 1132 1133 PWS/RH ↓ 1132 GS-4B 1133														0000 RTLT 30h 28m 34s ▼ 2330 DUMMY (05:59) U/L 0020 - - - - - - TLC (SHORT-FORM) - - - - - 0347 - 0650 - - - - - MAGCAL - - - - - 0347 - - - - - PESCAL - - - - -													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE	25 [DA] 0950 26 [DAR] 0950 10 0930 43 [D] 1205 40 2250 63 [T] 0050 60 15 [D] 10 40																											
32 DSN COVERAGE	0935 45 [D] 1650 40 40																											
S/C 32 INITIAL CONDITIONS RTLT: 24h 36m 34s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 36m 40s														0000 RTLT 24h 36m 46s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 1132 XB=2.8K(41) NOT RECOVERABLE																											
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WEDNESDAY																													
JULY 22, 2009																													
203-204																													
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S/C 31 INITIAL CONDITIONS		1200 RTLT 30h 28m 44s														0000 RTLT 30h 28m 54s													
RTLT: 30h 28m 34s																													
CCSL: A072																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS		1200 RTLT 24h 36m 52s														0000 RTLT 24h 36m 58s													
RTLT: 24h 36m 46s																													
CCSL: B144																													
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		ON CALL																											
NOTES																													
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THURSDAY JULY 23, 2009 204-205																										
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S/C 31 INITIAL CONDITIONS RTLT: 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													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	24 [DAR] 0830 25 [DA] 0830 0930 -----45 [D]----- 133040-----												0120 -----15 [D]----- 10----- 0000 -----0140 63 [D] deleted60-----													
32 DSN COVERAGE	43 [D] 0850 0835 -----34 [o]----- 175540-----											40-----													
S/C 32 INITIAL CONDITIONS RTLT: 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													
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 23													JUL 24												



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SATURDAY JULY 25, 2009 206-207																									
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S/C 31 INITIAL CONDITIONS RTLTL: 30h 29m 34s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 30h 29m 44s												0000 RTLTL 30h 29m 54s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	15 [D] 0845 10 40												0025 15 [D] 10 2020 63 [D] 0045 60												
32 DSN COVERAGE	1330 34 [D] 1920 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 24h 37m 20s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 24h 37m 26s												0000 RTLTL 24h 37m 32s												
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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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 XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	15 [D] 0855 10												0020 15 [D] 10												
 40 40												
 2120 63 [D] 0045 60																								
32 DSN COVERAGE	0945 43 [H] 1630 40 1610 45 [D] 1745																								
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 XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL				VGR				ON CALL																
NOTES																									
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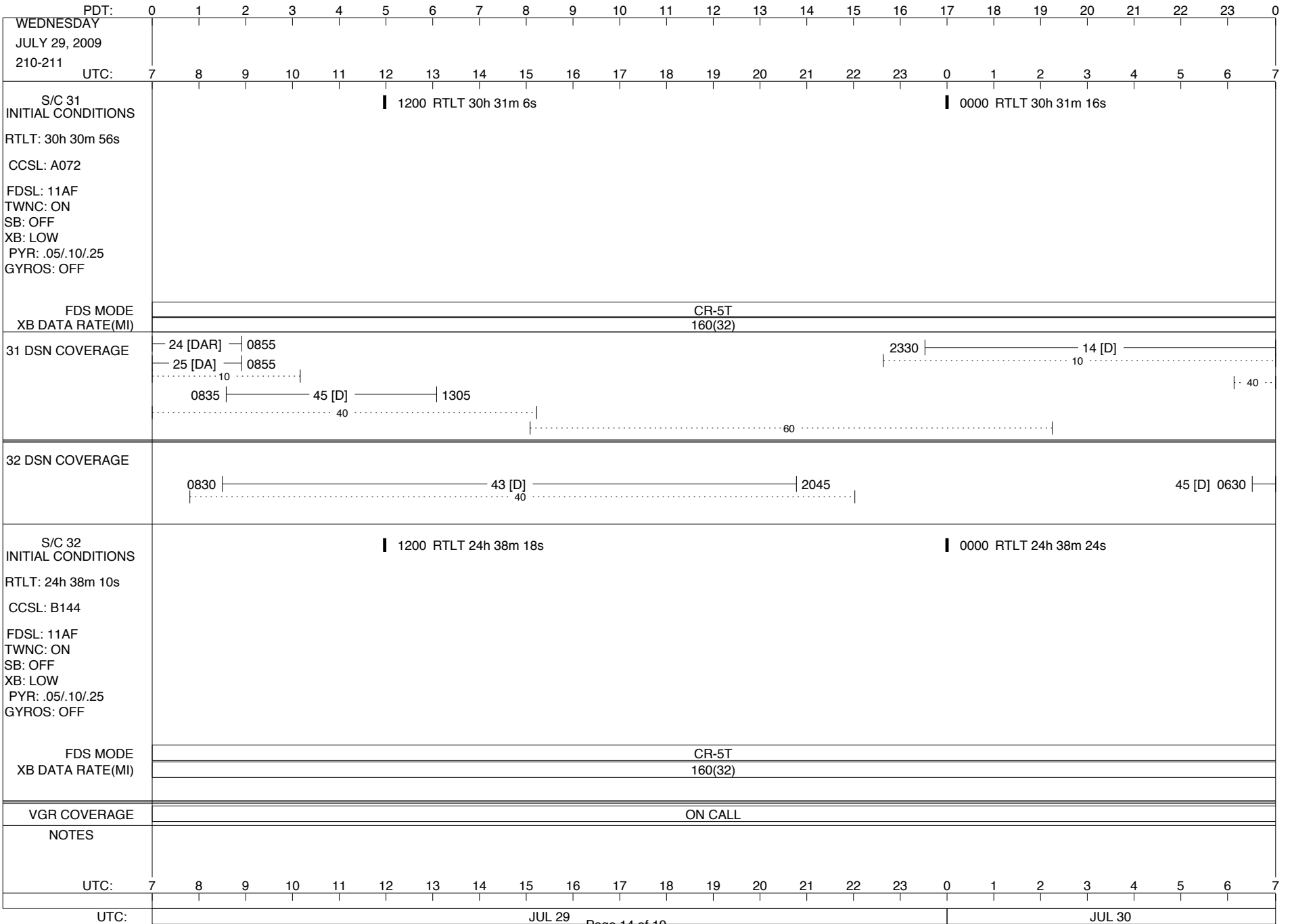
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S/C 31 INITIAL CONDITIONS RTLT: 30h 30m 14s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 30m 26s												0000 RTLT 30h 30m 36s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE	15 [D] 082540.....												2330 - 0625 14 [D]15 [D] 0605 2115 63 [D] 235060..... 40 ..															
32 DSN COVERAGE	1045 45 [D] 175040.....																											
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																												
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ISSUE DATE: 07/22/09 17:35

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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													
	1109 1110 PWS/RH																									
	↓ 1109 GS-4B 1110																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	15 [D] 0850										0440 24 [DAR]															
	1100 45 [D] 1310										0440 25 [DA]															
	40												40													
32 DSN COVERAGE	0935 43 [D] 1655												1645 34 [D] 1905													
	40												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													
	1418 PLSCAL - 1600																									
	1418 --- MAGCAL --- 1720																									
	1418 ---- PESCAL ---- 1738																									
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																									
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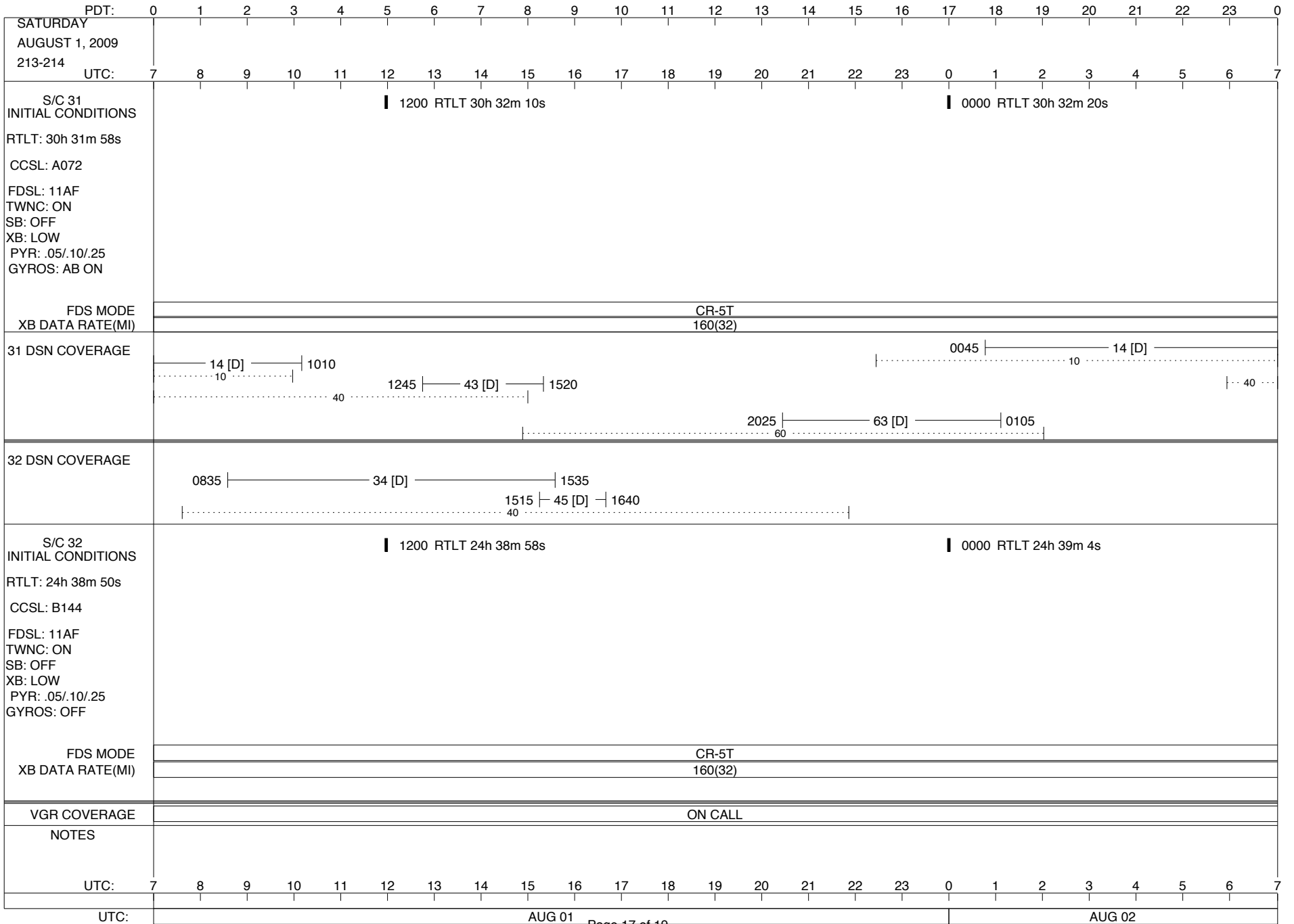
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THURSDAY JULY 30, 2009 211-212																											
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S/C 31 INITIAL CONDITIONS RTLT: 30h 31m 16s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 30h 31m 28s												█ 0000 RTLT 30h 31m 38s									
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE	14 [D] 0820 10 40												0000 15 [D] 10 40														
32 DSN COVERAGE 45 [D] 1745 40												1955 63 [T] 0020 60														
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														
XB DATA RATE(MI)													160(32)														
VGR COVERAGE	ON CALL												VGR	ON CALL													
NOTES																											
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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 JULY 31, 2009 212-213																									
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S/C 31 INITIAL CONDITIONS RTLT: 30h 31m 38s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 31m 48s 1408 ----- 1517 TAPPOS 1710 1711 PWS/RH 1917 TAPPOS 2041												0000 RTLT 30h 31m 58s ↓ 0017 GYROS AB ON ↓ 0017 GYRO INIT ↓ 0027 GYRO FAULT TEST												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	15 [D] 083540												0015 ----- 15 [D] 0405 ----- 10 0345 ----- 14 [D] ----- 2020 ----- 63 [D] ----- 0035 ----- 60 -----												
32 DSN COVERAGE	0800 ----- 45 [D] ----- 1440 ----- 40 -----												1750 ----- 45 [D] ----- 1925 ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 24h 38m 36s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 38m 44s												0000 RTLT 24h 38m 50s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1710 XB=2.8K(41) NOT RECOVERABLE																								
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UTC:	JUL 31												AUG 01												

ISSUE DATE: 07/22/09 17:35



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S/C 31 INITIAL CONDITIONS RTLT: 30h 32m 20s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AB ON	1200 RTLT 30h 32m 30s												0000 RTLT 30h 32m 42s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	14 [D] 1000 10												0020 14 [D] 10 40												
	2020 63 [D] 0020 60																								
32 DSN COVERAGE	40																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 39m 4s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 24h 39m 10s												0000 RTLT 24h 39m 18s												
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: 07/22/09 17:35

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S/C 31 INITIAL CONDITIONS RTLT: 30h 32m 42s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	1200 RTLT 30h 32m 52s																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	<p>14 [D] 0955</p> <p>..... </p> <p>10</p> <p>.....40</p>																								
32 DSN COVERAGE	<p>0915 43 1645</p> <p>..... </p> <p>.....40</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 39m 18s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 39m 26s																								
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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