

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: July 29, 2009

For the Period: 07/30/09 to 8/17/09 (09-211 – 09-229)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (15) 600-100

DSOT (1) 230-102

- *Zsarina.Bulchand@jpl.nasa.gov
- *gdyke@airmail.ftops.jpl.nasa.gov
- *John.M.Grant@jpl.nasa.gov
- *dmcclena@airmail.ftops.jpl.nasa.gov
- *pquach@airmail.ftops.jpl.nasa.gov
- *mrobles@airmail.ftops.jpl.nasa.gov
- *rwilliam@airmail.ftops.jpl.nasa.gov

- CRS *bryant@mail630.gsfc.nasa.gov
- LECP *r.decker@jhupl.edu
- UVS *holberg@argus.lpl.arizona.edu
- 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

OTHER

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

LEGEND:

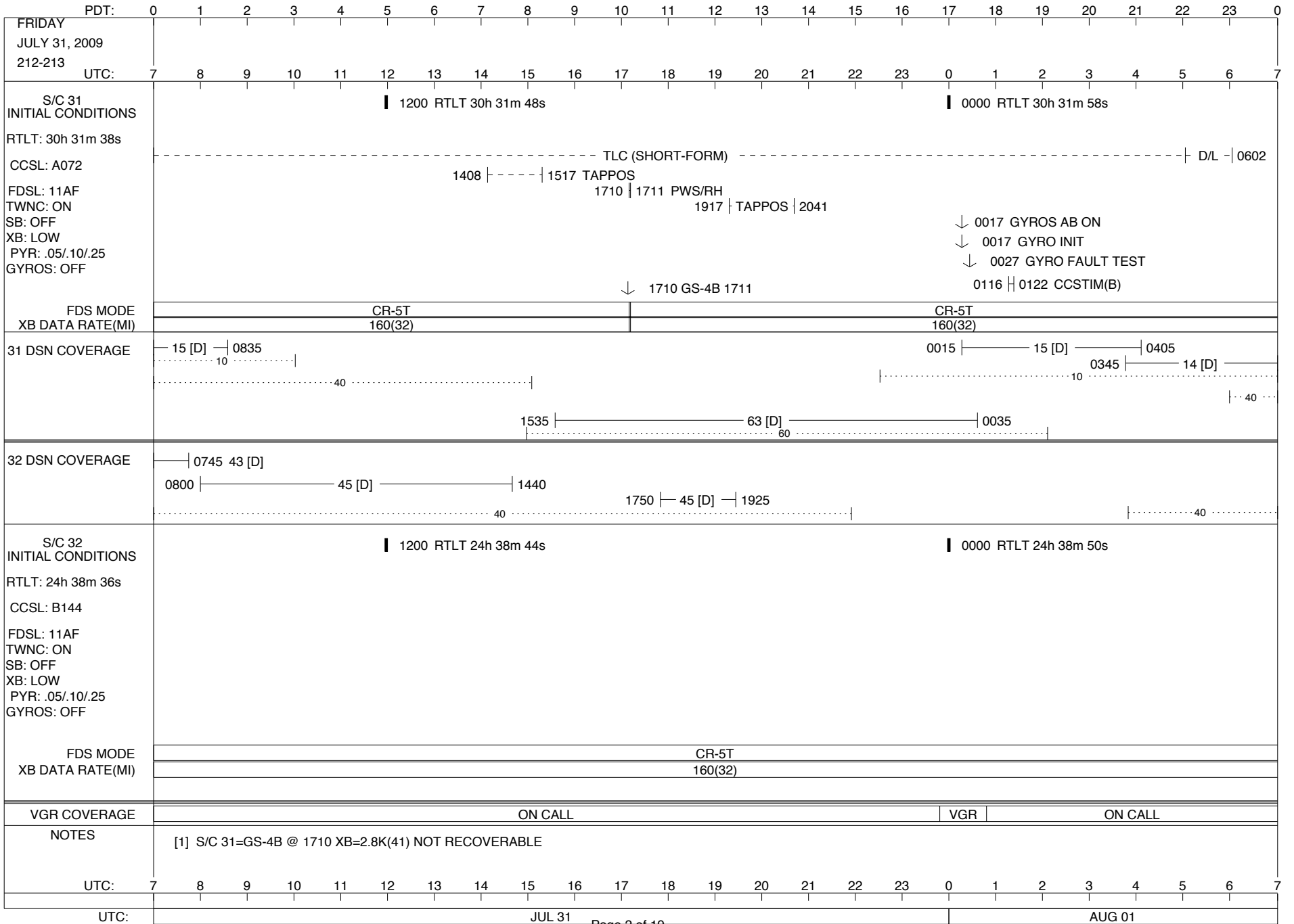
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = 7-Point BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink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

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

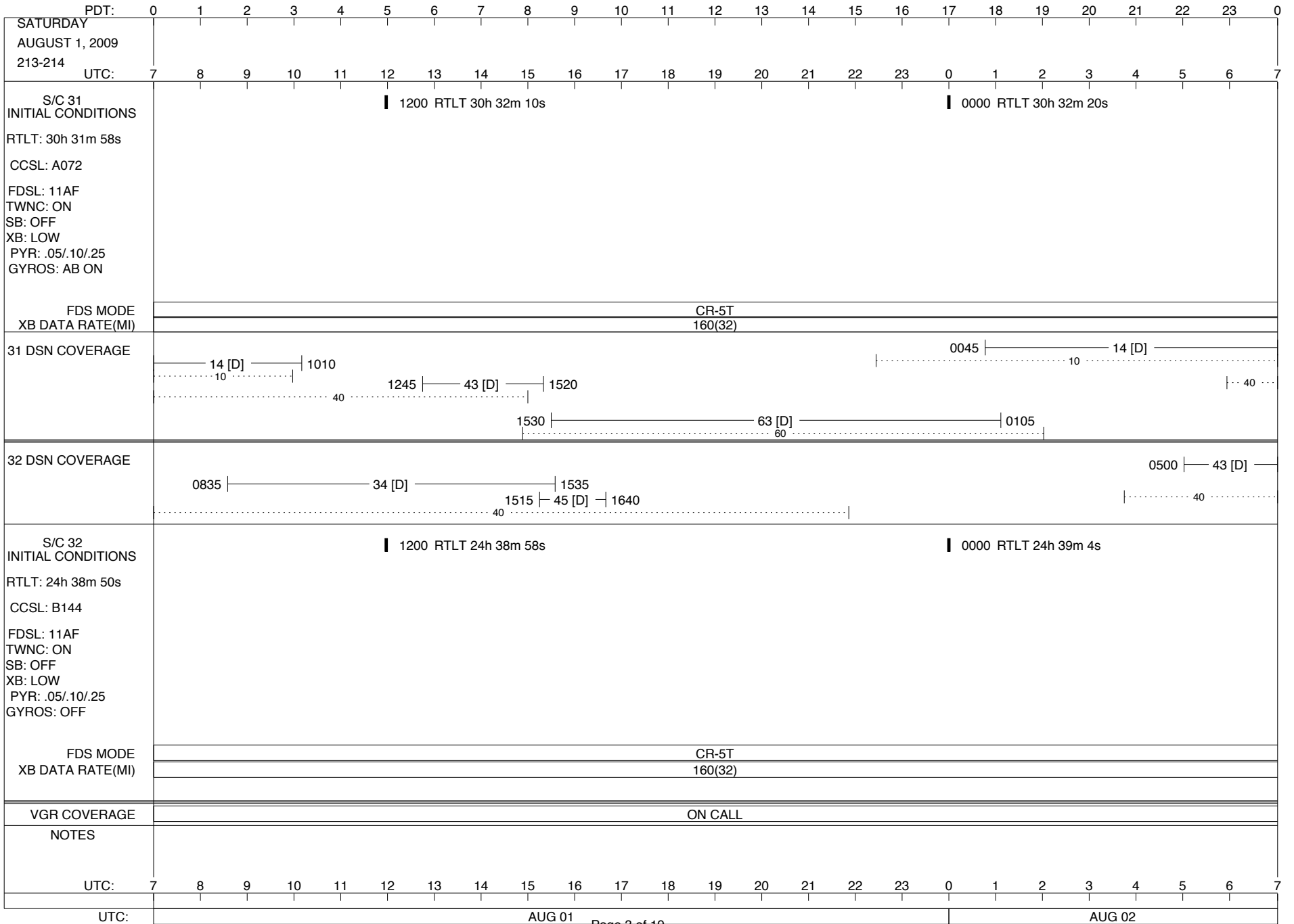
ISSUE DATE: 07/29/09 21:34

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		
THURSDAY JULY 30, 2009 211-212																											
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 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] 082040.....												0000 15 [D] 10.....														
32 DSN COVERAGE	45 [D] 174540.....												1950 63 [T] 002060.....														
0500 43 [D] 40.....																											
S/C 32 INITIAL CONDITIONS RTLTL: 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												

ISSUE DATE: 07/29/09 21:34



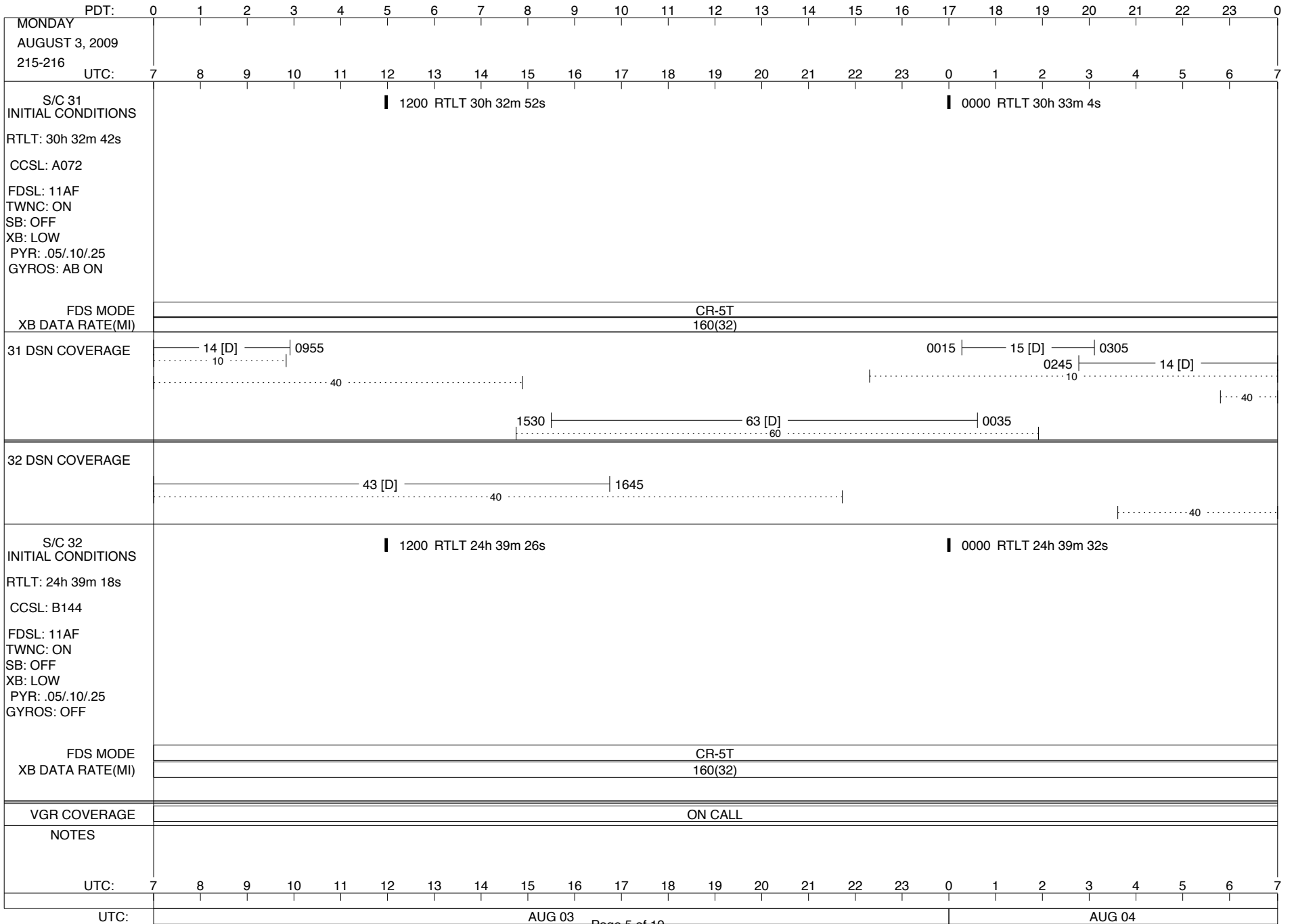
ISSUE DATE: 07/29/09 21:34



ISSUE DATE: 07/29/09 21:34

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 AUGUST 2, 2009 214-215																									
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 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												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 1000 10												0020 14 [D] 10												
	40												40												
	2020 63 [D] 0020 60																								
32 DSN COVERAGE	43 [D] 0800 1045 43 [D] 2230 40												0545 43 [D] 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												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												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 02												AUG 03												

ISSUE DATE: 07/29/09 21:34



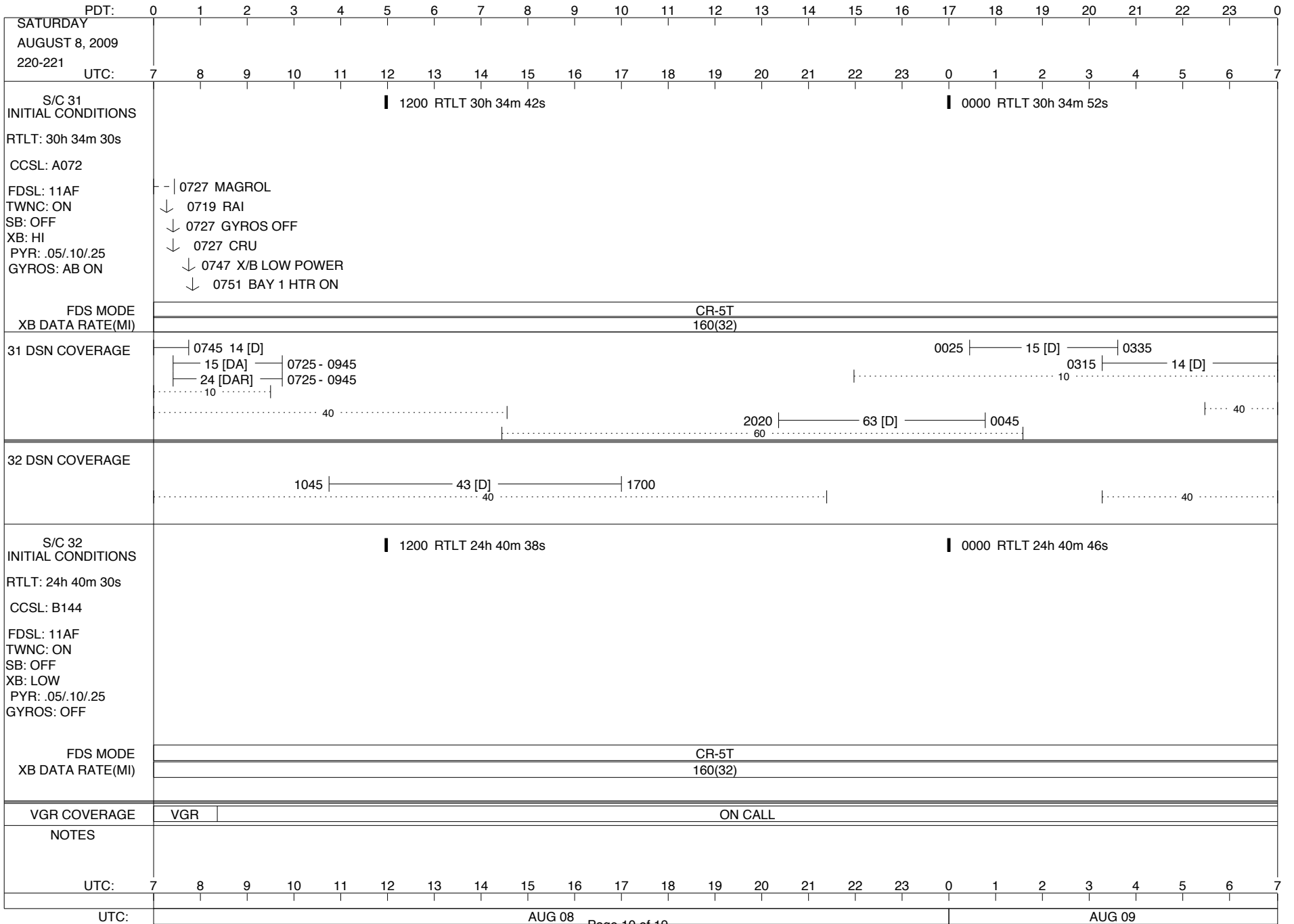
ISSUE DATE: 07/29/09 21:34

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	
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 RTLT 30h 33m 58s												0000 RTLT 30h 34m 8s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	15 [D] 081040.....												2335 15 [D] 1060..... 40.....													
32 DSN COVERAGE	1035 43 [D] 165040..... 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 RTLT 24h 40m 8s												0000 RTLT 24h 40m 16s													
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												

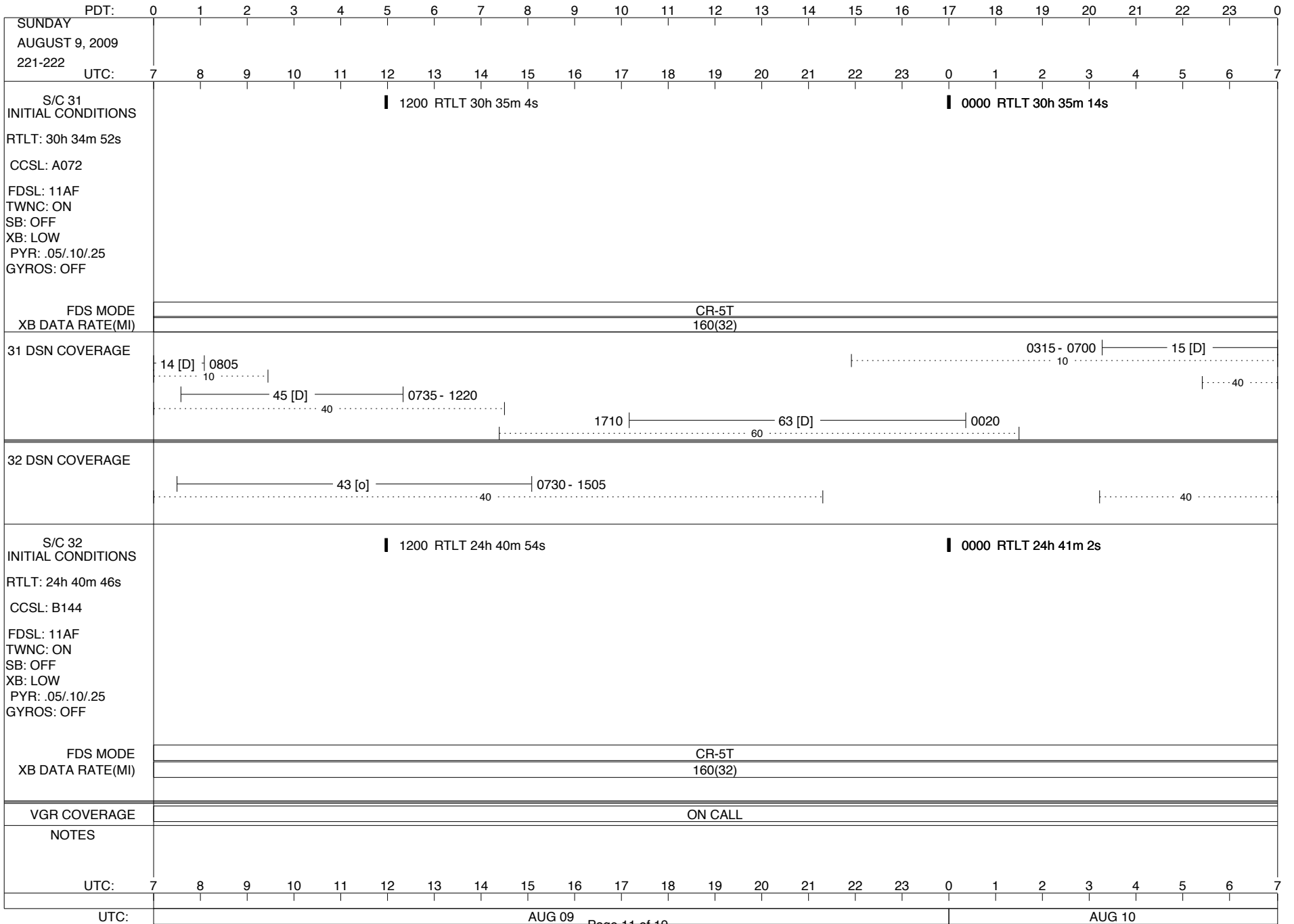
ISSUE DATE: 07/29/09 21:34

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																											
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 34m 8s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	1200 RTLT 30h 34m 20s 1345 TAPPOS - 1522 1647 1648 PWS/RH 1855 TAPPOS - 2046 ↓ 1647 GS-4B 1648												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] 080510.....40.....												0010 -----14 [D]-----10.....2020 -----63 [D]----- 003060..... -----40.....														
32 DSN COVERAGE	0830 -----45 [D]----- 151040..... -----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																	VGR									
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												

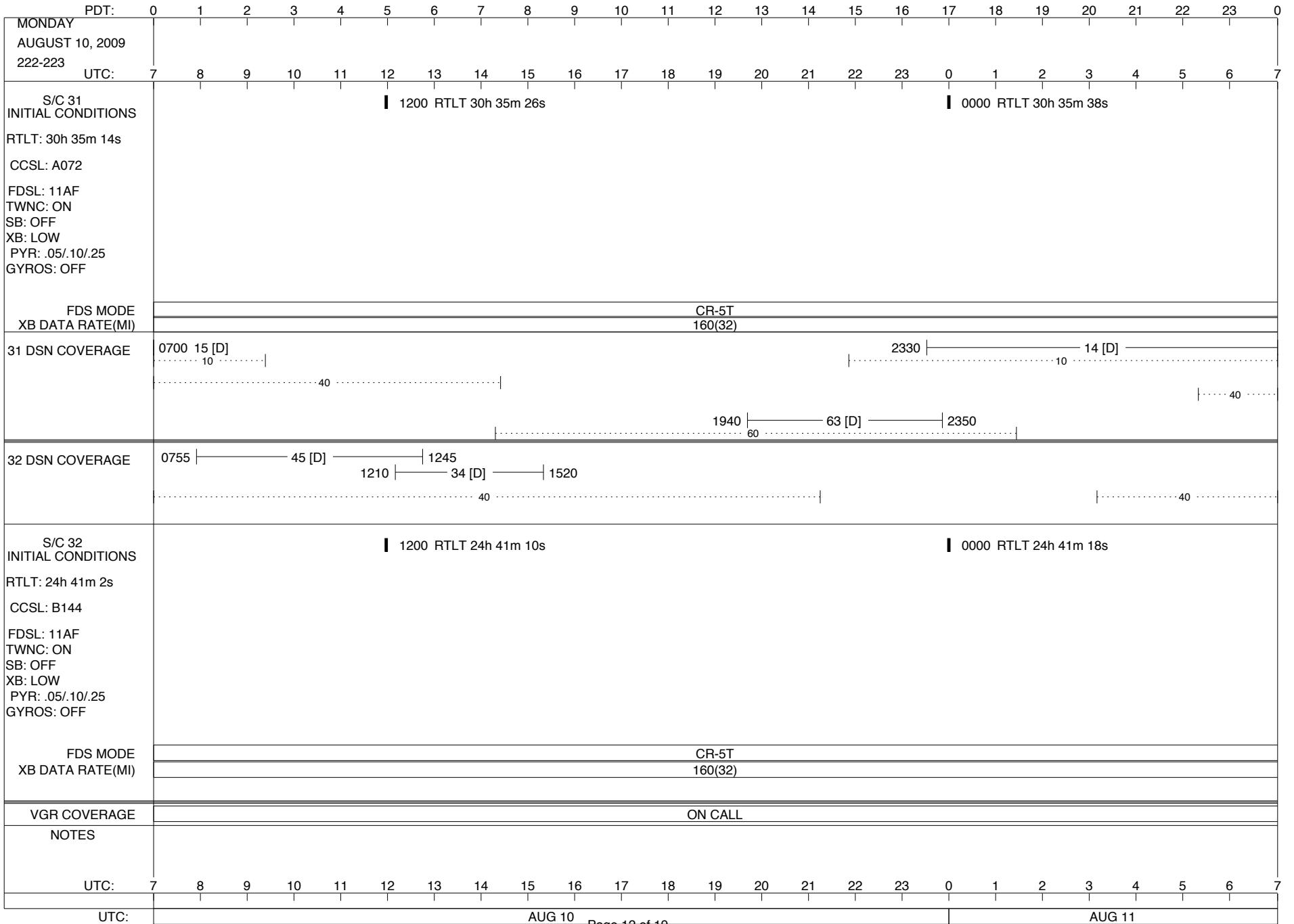
ISSUE DATE: 07/29/09 21:34



ISSUE DATE: 07/29/09 21:34



ISSUE DATE: 07/29/09 21:34



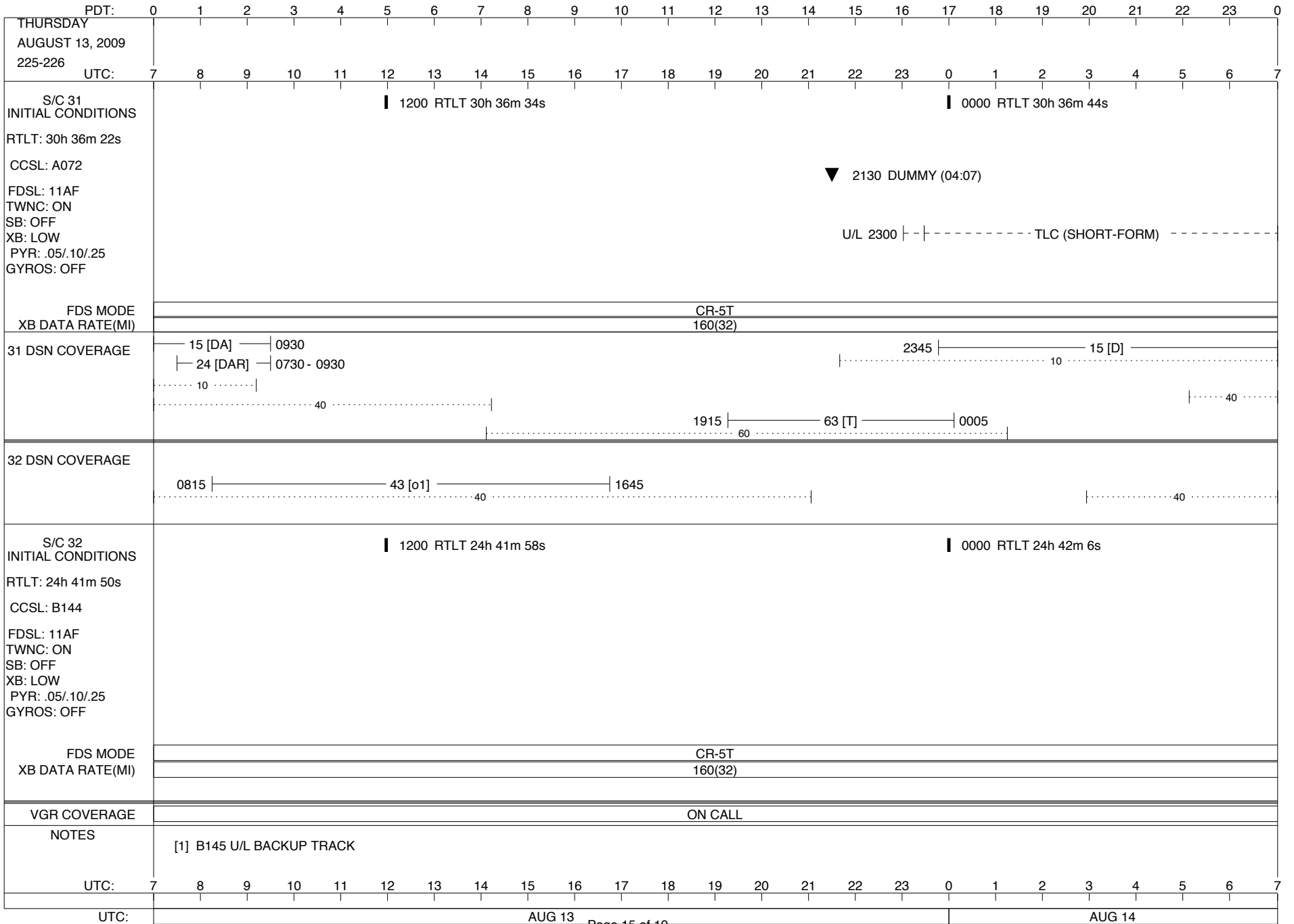
ISSUE DATE: 07/29/09 21:34

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 11, 2009 223-224																									
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 35m 38s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 35m 48s												0000 RTLTL 30h 36m 0s												
	1024 1025 PWS/RH																								
	↓ 1024 GS-4B 1025																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0915												0000 15 [D]												
	0855 45 [D] 1130												40												
	40												60												
32 DSN COVERAGE	0850 43 [H] 1650												40												
S/C 32 INITIAL CONDITIONS RTLTL: 24h 41m 18s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 24h 41m 26s												0000 RTLTL 24h 41m 34s												
	▼ 1340 DUMMY (14:21)																								
	▼ 1358 EL-40 (14:40)																								
	▼ 1420 CCSL B145 (15:02)																								
	▼ 1458 CR-5T (15:40)																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1024 XB=2.8K(41) NOT RECOVERABLE																								
	[2] B145 U/L BACKUP TRACK																								
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 11												AUG 12												

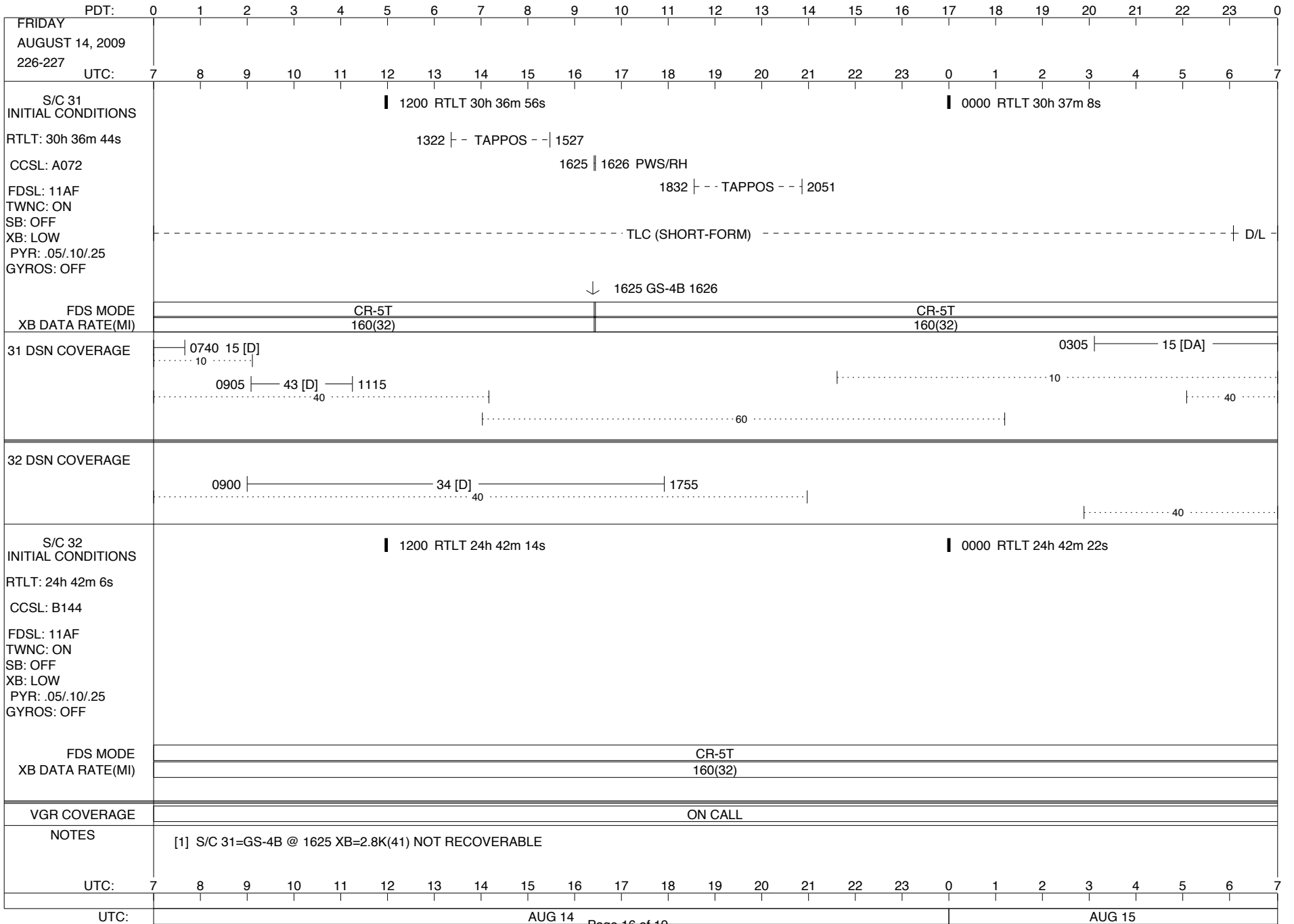
ISSUE DATE: 07/29/09 21:34

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
WEDNESDAY AUGUST 12, 2009 224-225																									
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 36m 0s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 30h 36m 10s												0000 RTLT 30h 36m 22s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0750 15 [D] 10												2315 15 [DA]												
 40 10												
 60 40												
32 DSN COVERAGE	0935 34 [D]												1700												
 40 40												
S/C 32 INITIAL CONDITIONS RTLT: 24h 41m 34s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 24h 41m 42s												0000 RTLT 24h 41m 50s												
	* 1518 1522 B145 CHKSUM																								
	* EL-40 1441 ↓												* ↓ 1541 CR-5T												
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 @ 1441 XB=40(30) [2] S/C 32=CR-5T @ 1541 XB=160(32)																								
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 12												AUG 13												

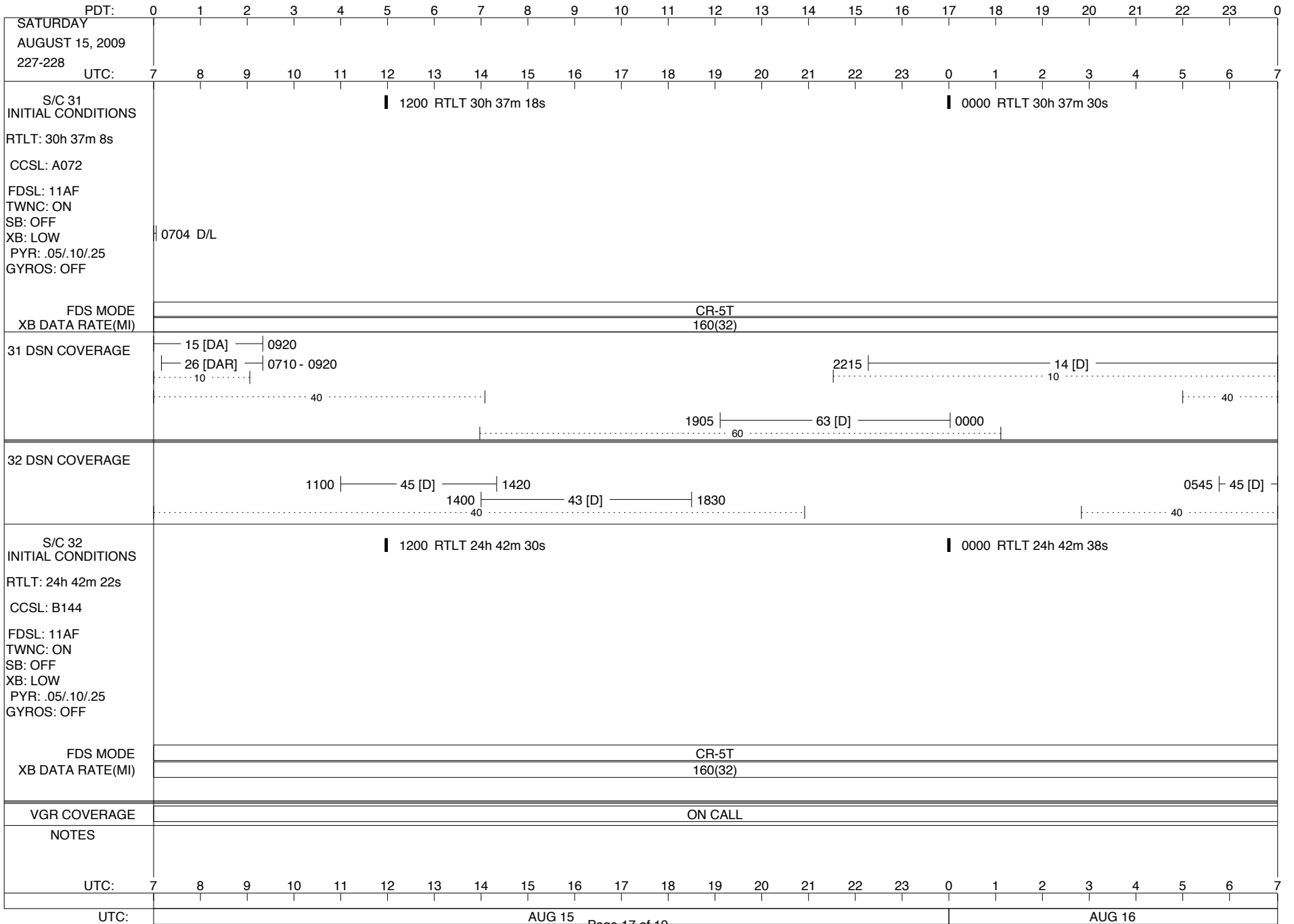
ISSUE DATE: 07/29/09 21:34



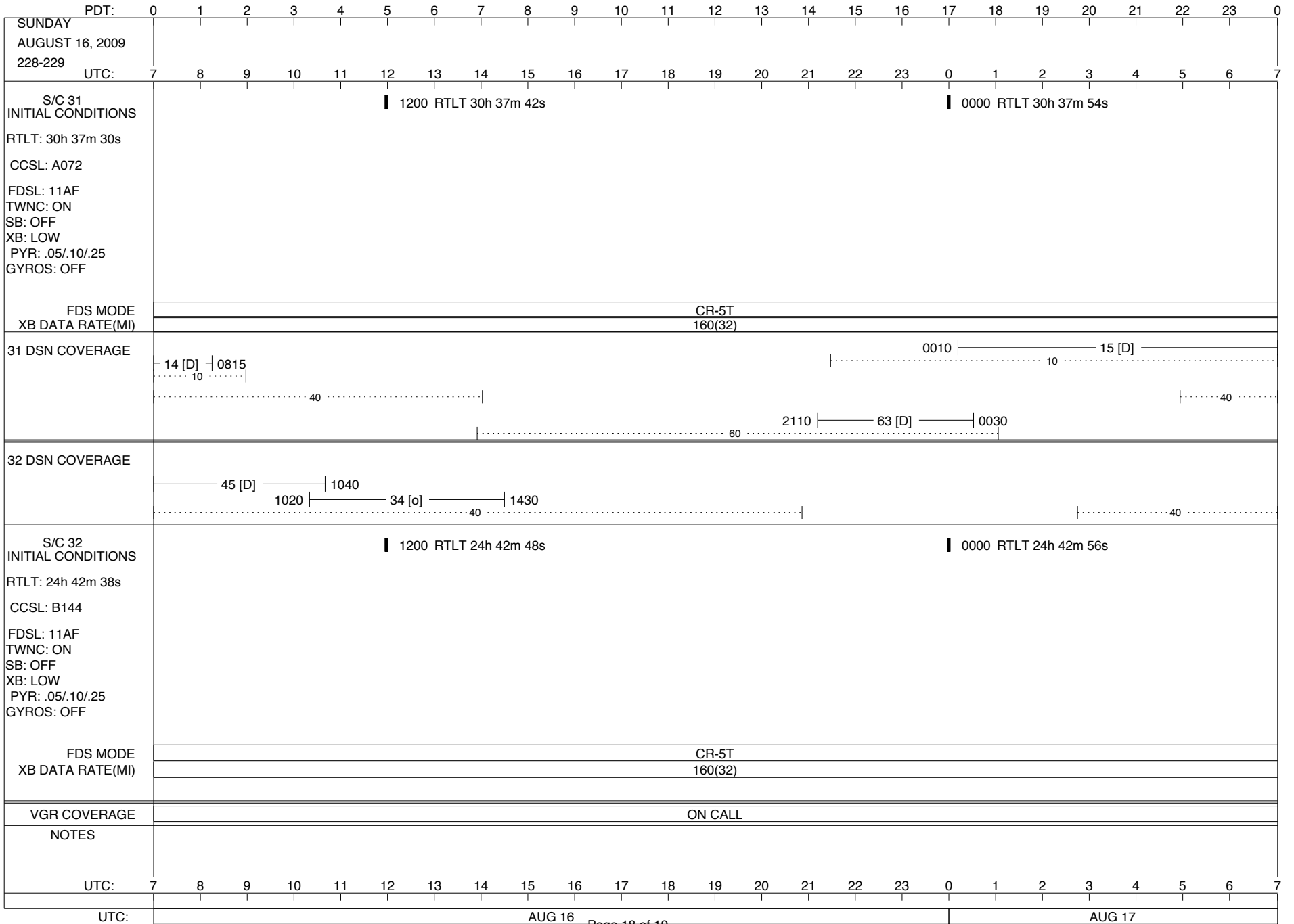
ISSUE DATE: 07/29/09 21:34



ISSUE DATE: 07/29/09 21:34



ISSUE DATE: 07/29/09 21:34



ISSUE DATE: 07/29/09 21:34

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 AUGUST 17, 2009 229-230																											
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 37m 54s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 30h 38m 4s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>0730 15 [D] 10 45 [D] 40 0705 - 1150</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>0950 43 1440 1420 45 [D] 1635 40</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 24h 42m 56s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 24h 43m 4s</p> </div>																										
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:	AUG 17													AUG 18													