

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: August 5, 2009

For the Period: 08/06/09 to 8/31/09 (09-218 – 09-243)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (15) 600-100

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

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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

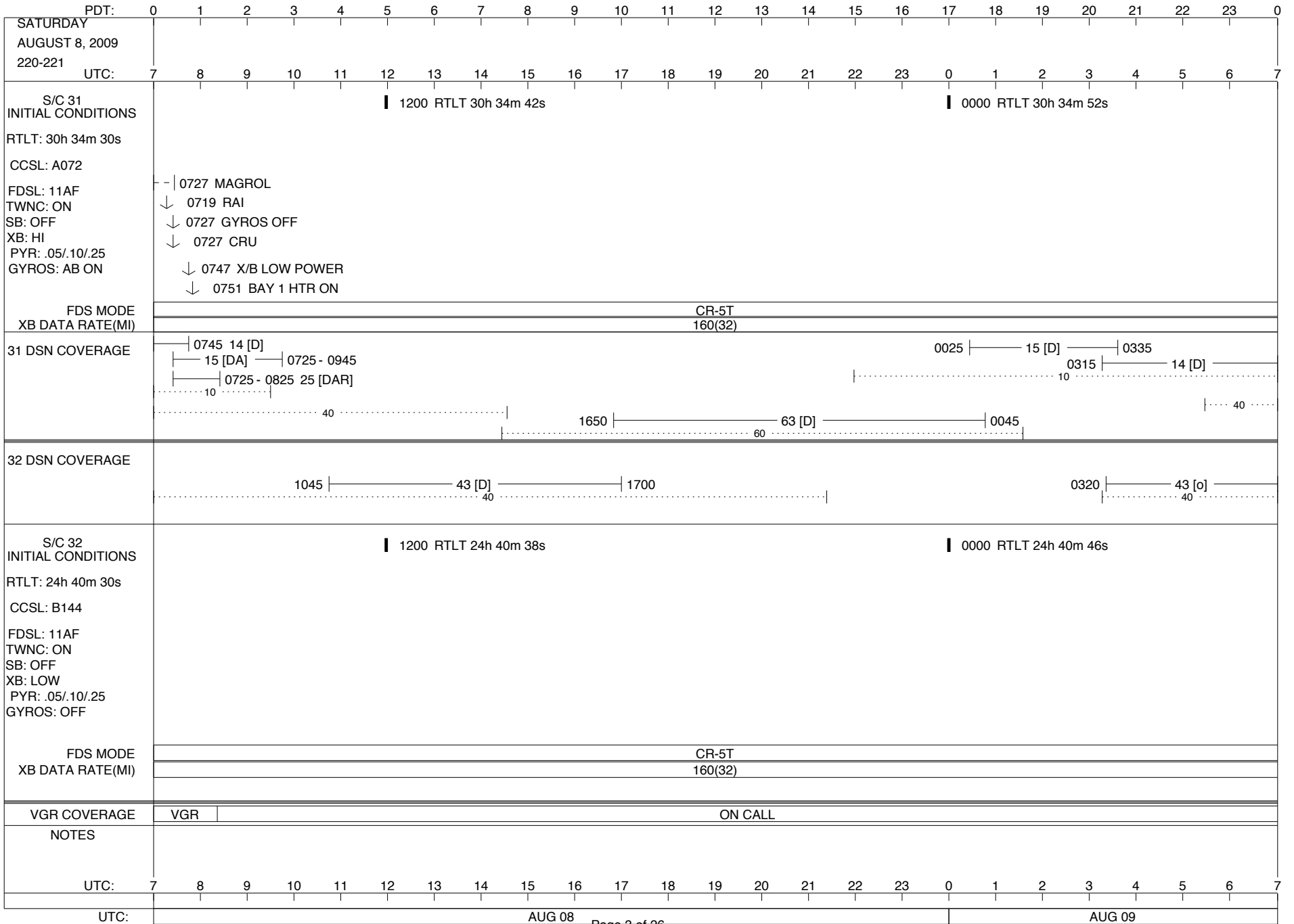
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S/C 31 INITIAL CONDITIONS RTLT: 30h 33m 46s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON						█ 1200																					
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE	15 [D] 0810											2335	15 [D]											0526			
			
40										60										40				
																							0533 25 [D]				
32 DSN COVERAGE		1050											43 [o]	1650											0500 45 [D]		
	40										40										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																											
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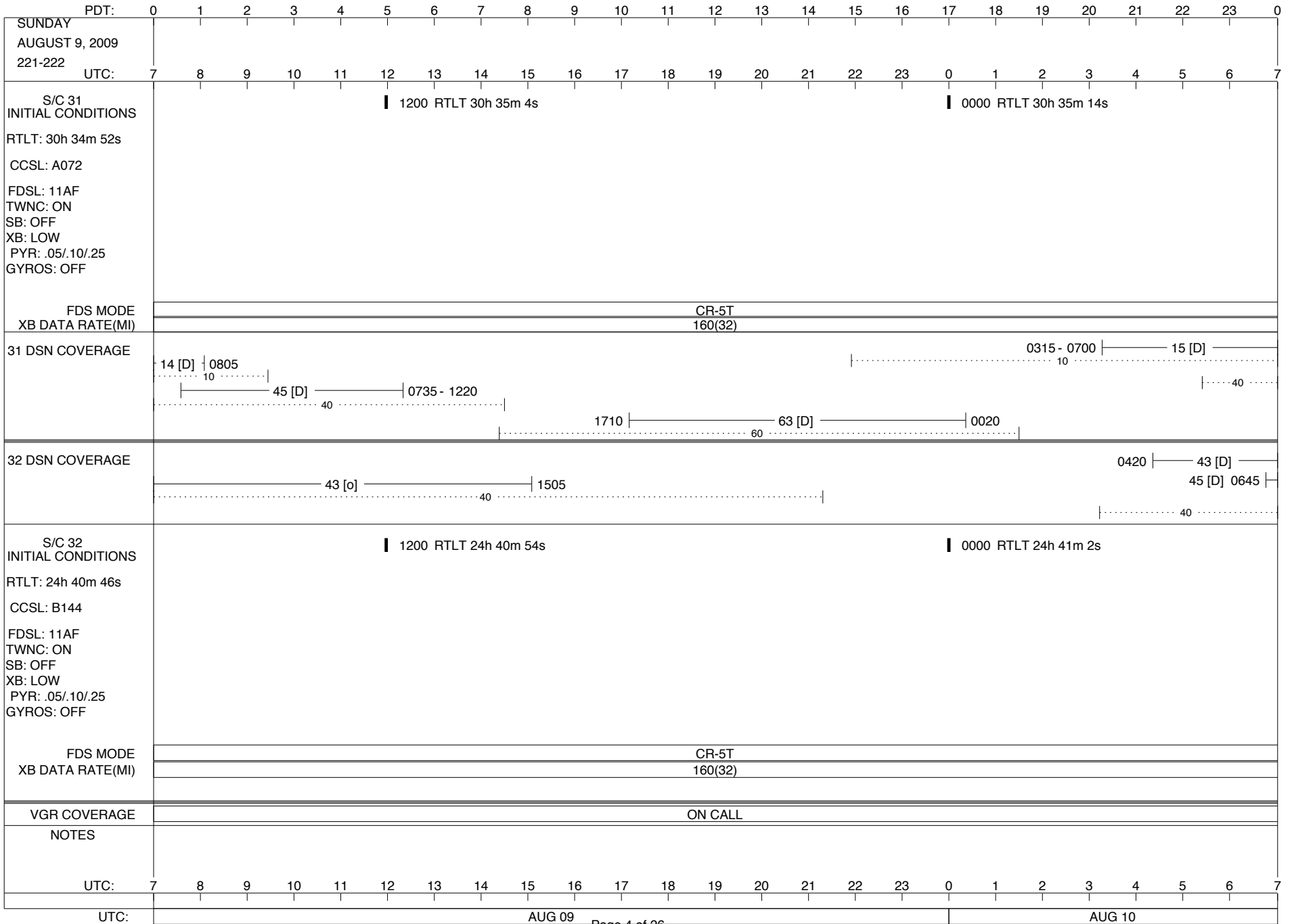
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FRIDAY AUGUST 7, 2009 219-220																											
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S/C 31 INITIAL CONDITIONS RTLTL: 30h 34m 8s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AB ON	1200 RTLT 30h 34m 20s												0000 RTLT 30h 34m 30s ↓ 0058 BAY 1 HTR OFF ↓ 0102 X/B HI POWER ↓ 0128 AAI 0130 ----- MAGROL -----														
	1345 | TAPPOS - | 1522												1647 | 1648 PWS/RH 1855 | - TAPPOS - | 2046														
													↓ 1647 GS-4B 1648														
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE	..... 10												0010 |----- 14 [D] -----													
	..... 40 .....												..... 10											
	25 [D] | 0805												1650 |----- 63 [D] -----| 0030														
	..... 40 .....												..... 60											
32 DSN COVERAGE	..... 45 [D] -----| 1510												..... 40												
	..... 40 .....												..... 40											
S/C 32 INITIAL CONDITIONS RTLTL: 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												

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S/C 31 INITIAL CONDITIONS RTLTL: 30h 35m 14s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 35m 26s												0000 RTLTL 30h 35m 38s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0700 15 [D] .....| .....10.....| .....40.....|												2330 |-----14 [D]----- .....10.....| .....40.....|												
	.....1610 |-----63 [D]-----|2205.....60.....|												.....40.....|												
32 DSN COVERAGE	| 0705 43 [D]-----45 [D]-----| 1240 1220 |-----34 [D]-----| 1520.....40.....|												.....40.....|												
S/C 32 INITIAL CONDITIONS RTLTL: 24h 41m 2s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 24h 41m 10s												| 0000 RTLTL 24h 41m 18s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] MATRIX SWITCH SOFTWARE UPGRADE, 2135-2330																								
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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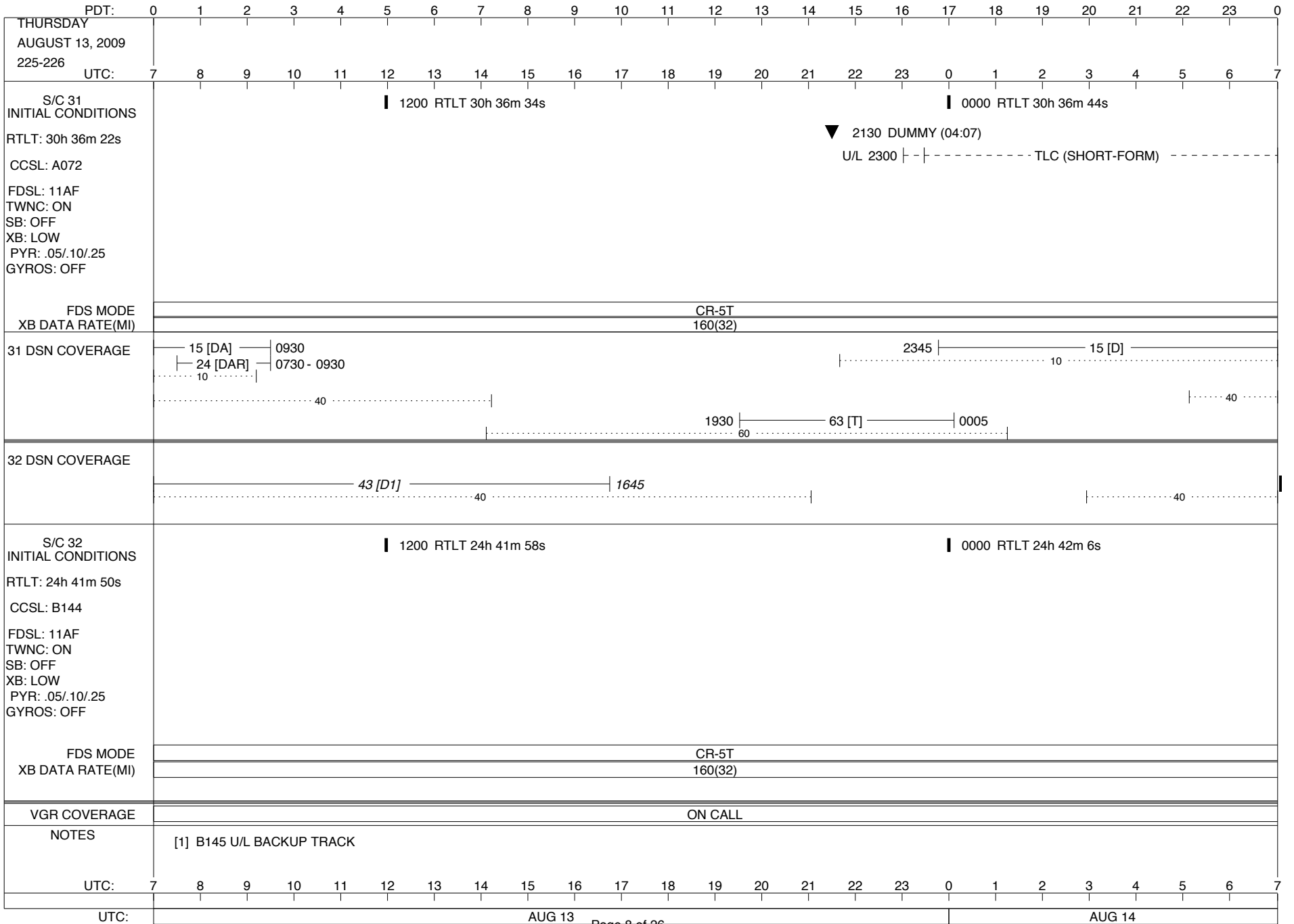
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TUESDAY AUGUST 11, 2009 223-224	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 30h 35m 38s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 35m 48s												0000 RTLT 30h 36m 0s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0915 10 0855 45 [D] 1130 40 1525 63 [D] 1945 60												0000 - 0650 15 [D] 10 43 [D] 0630 40												
32 DSN COVERAGE	0850 43 [H] 1650 40												34 [D] 0700 40												
S/C 32 INITIAL CONDITIONS RTLT: 24h 41m 18s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 41m 26s												0000 RTLT 24h 41m 34s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 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												

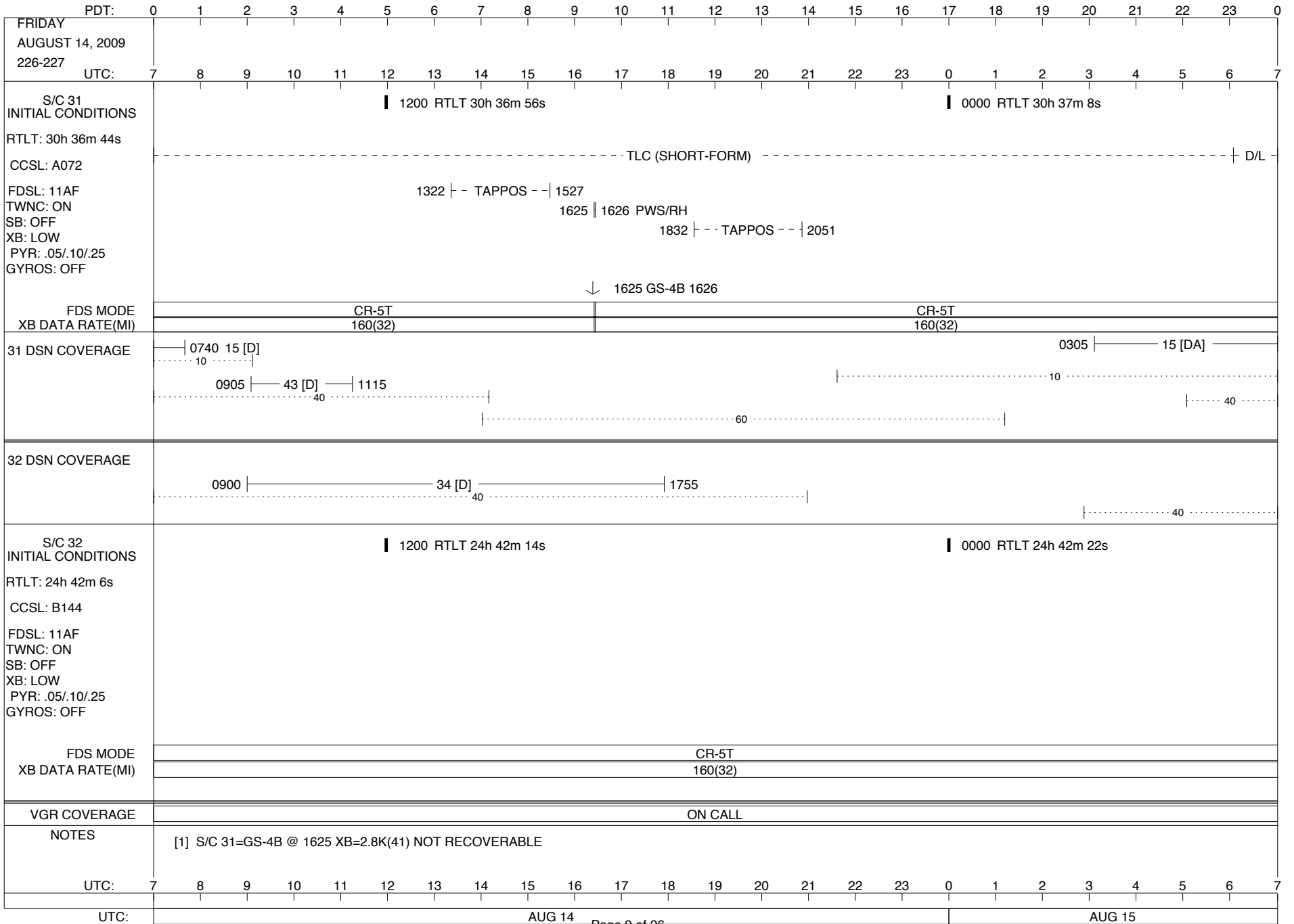
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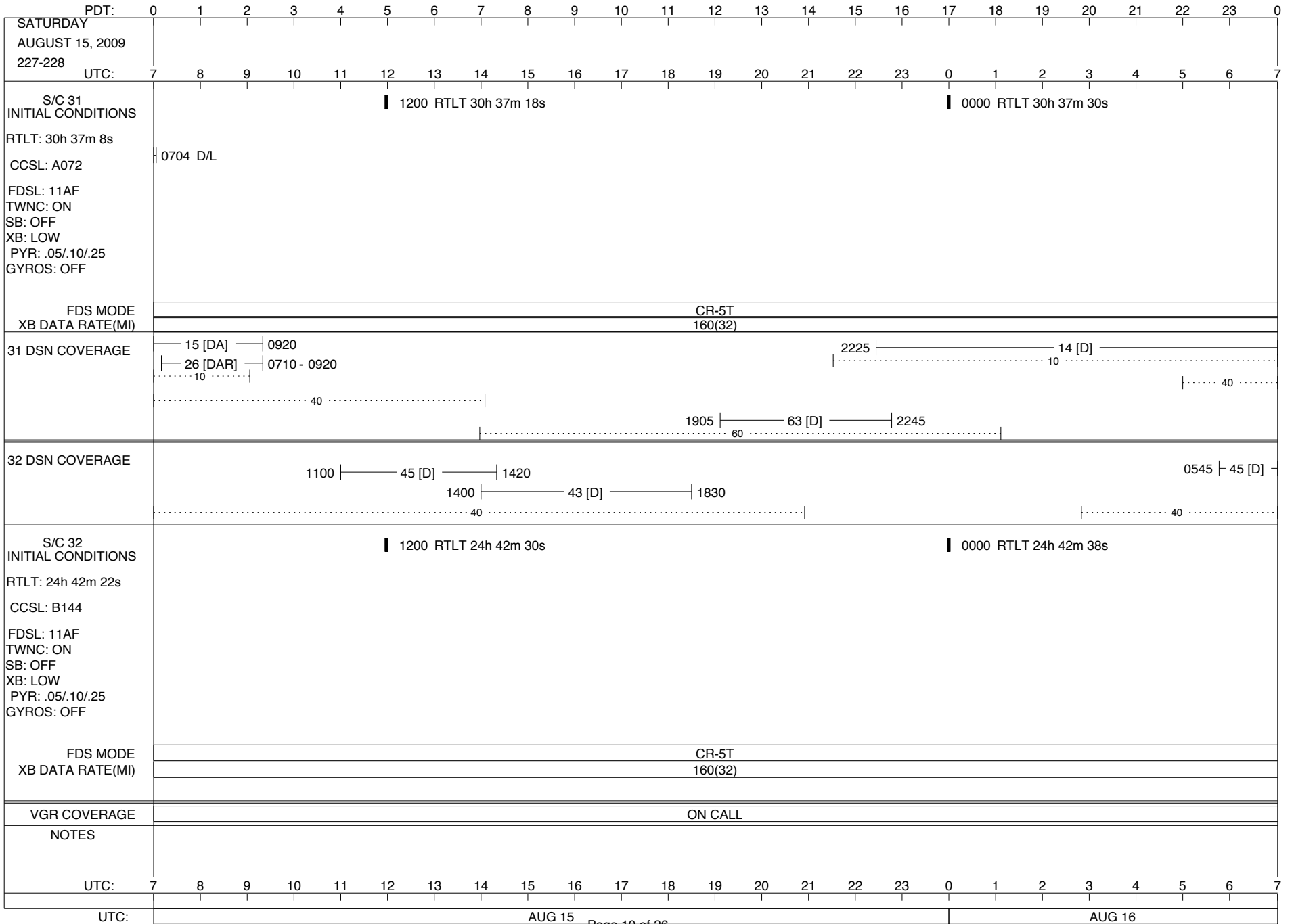
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WEDNESDAY AUGUST 12, 2009 224-225																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 30h 36m 0s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 30h 36m 10s												| 0000 RTLT 30h 36m 22s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	..... 10 .....| — 43 [D] —| 0845												2315 |————— 15 [DA] ————— |..... 10 40 .....| |..... 60 .....| |..... 40											
32 DSN COVERAGE	————— 34 [D] —————| 0700 - 1700												|..... 40 .....| |..... 0515 |— 43 [D1] —|												
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												
FDS MODE	CR-5T						EL-40						CR-5T												
XB DATA RATE(MI)	160(32)						40(30)						160(32)												
VGR COVERAGE	ON CALL						VGR						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												

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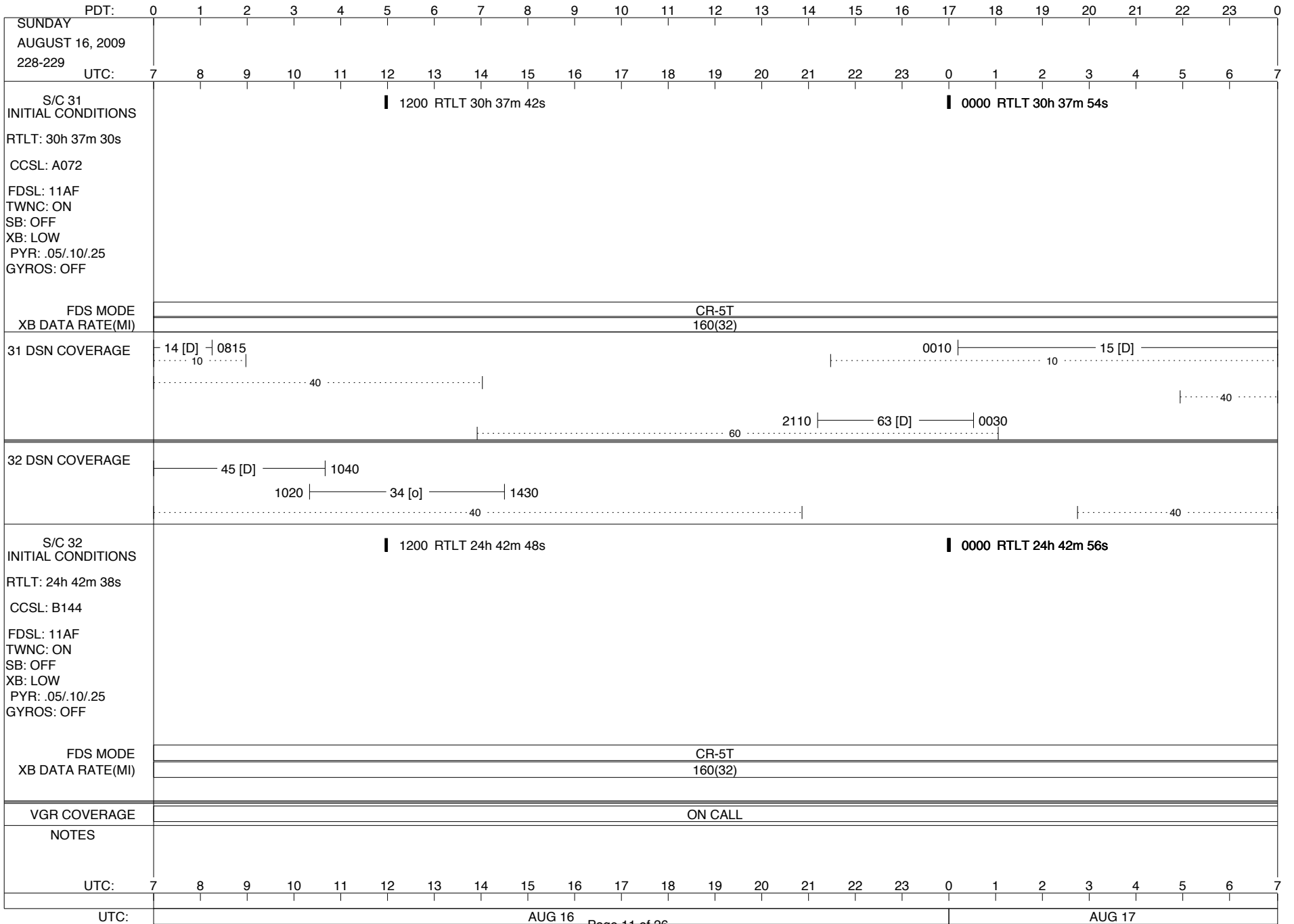


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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
MONDAY AUGUST 17, 2009 229-230																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 30h 37m 54s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 38m 4s												0000 RTLT 30h 38m 16s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	0730 15 [D] .....10.....												2350 .....10..... 15 [D]												
	0935 .....40..... 43 [D] .....1415												1915 .....60..... 63 [D] .....0010												
32 DSN COVERAGE	45 [D] .....0705 - 1635.....40.....												.....40.....											
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	1200 RTLT 24h 43m 4s												0000 RTLT 24h 43m 12s												
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 17												AUG 18												

ISSUE DATE: 08/13/09 14:57

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TUESDAY AUGUST 18, 2009 230-231	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 38m 16s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">| 1200 RTLT 30h 38m 28s | 0000 RTLT 30h 38m 40s</p> <p>1001 | 1002 PWS/RH</p> <p>1013 | ----- DTR MAINT ----- | 1537</p> <p style="text-align: center;">1541 || 1544 TAPPOS</p> <p style="text-align: right;">0216 | --- MAGCAL --- | 0519</p> <p style="text-align: right;">0216 | --- PESCAL --- | 0537</p> <p style="text-align: center;">↓ 1001 GS-4B 1002</p>																										
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)													CR-5T 160(32)													
31 DSN COVERAGE	<p>0725 15 [D] 0000 |----- 15 [D] | 0250</p> <p>-----10----- | 0230 |----- 14 [D] |</p> <p>-----40----- | -----10-----</p> <p style="text-align: center;">2015 |----- 63 [D] | 0015</p> <p style="text-align: center;">60----- | -----40-----</p>																										
32 DSN COVERAGE	<p>0750 |----- 45 [D] | 1655 45 [D] 0635 |</p> <p>-----40----- | -----40-----</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 24h 43m 12s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">| 1200 RTLT 24h 43m 22s | 0000 RTLT 24h 43m 30s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	ON CALL																										
NOTES	[1] S/C 31=GS-4B @ 1001 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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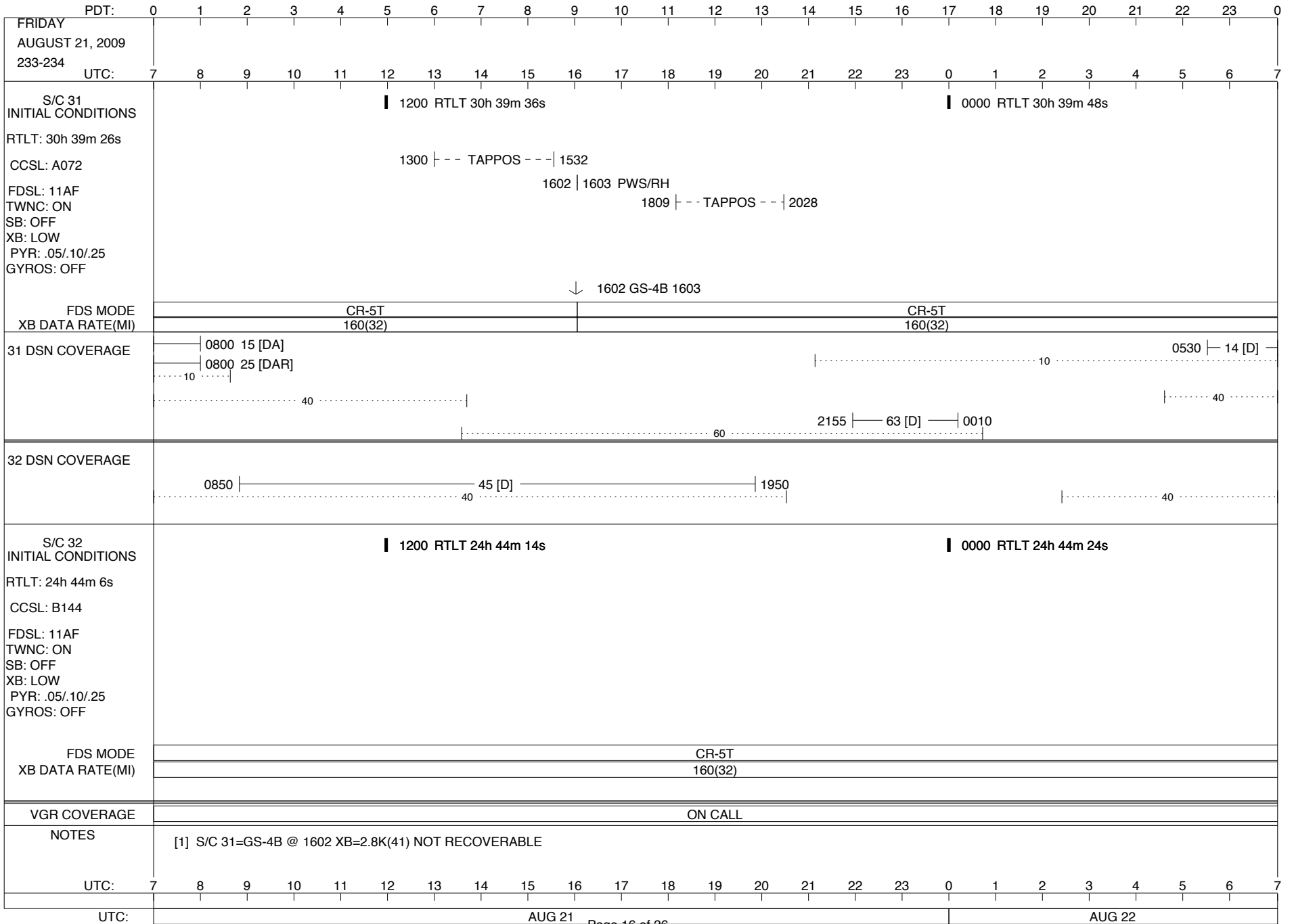
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WEDNESDAY AUGUST 19, 2009 231-232	
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7	
S/C 31 INITIAL CONDITIONS RTLT: 30h 38m 40s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 38m 50s 0000 RTLT 30h 39m 2s ▼ 2030 DUMMY (03:04) U/L 2200 | - | ----- TLC (SHORT-FORM) -----
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	14 [D] | 0905 10 40 1935 | 63 [T] | 0010 60 0230 | 14 [D] | ..... 10 40
32 DSN COVERAGE	45 [D] | 1010 0950 | 34 [D] | 1715 40 0235 | 43 [D] | 0515 40
S/C 32 INITIAL CONDITIONS RTLT: 24h 43m 30s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 43m 38s 0000 RTLT 24h 43m 48s
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
VGR COVERAGE	ON CALL VGR ON CALL
NOTES	
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UTC: AUG 19 AUG 20	

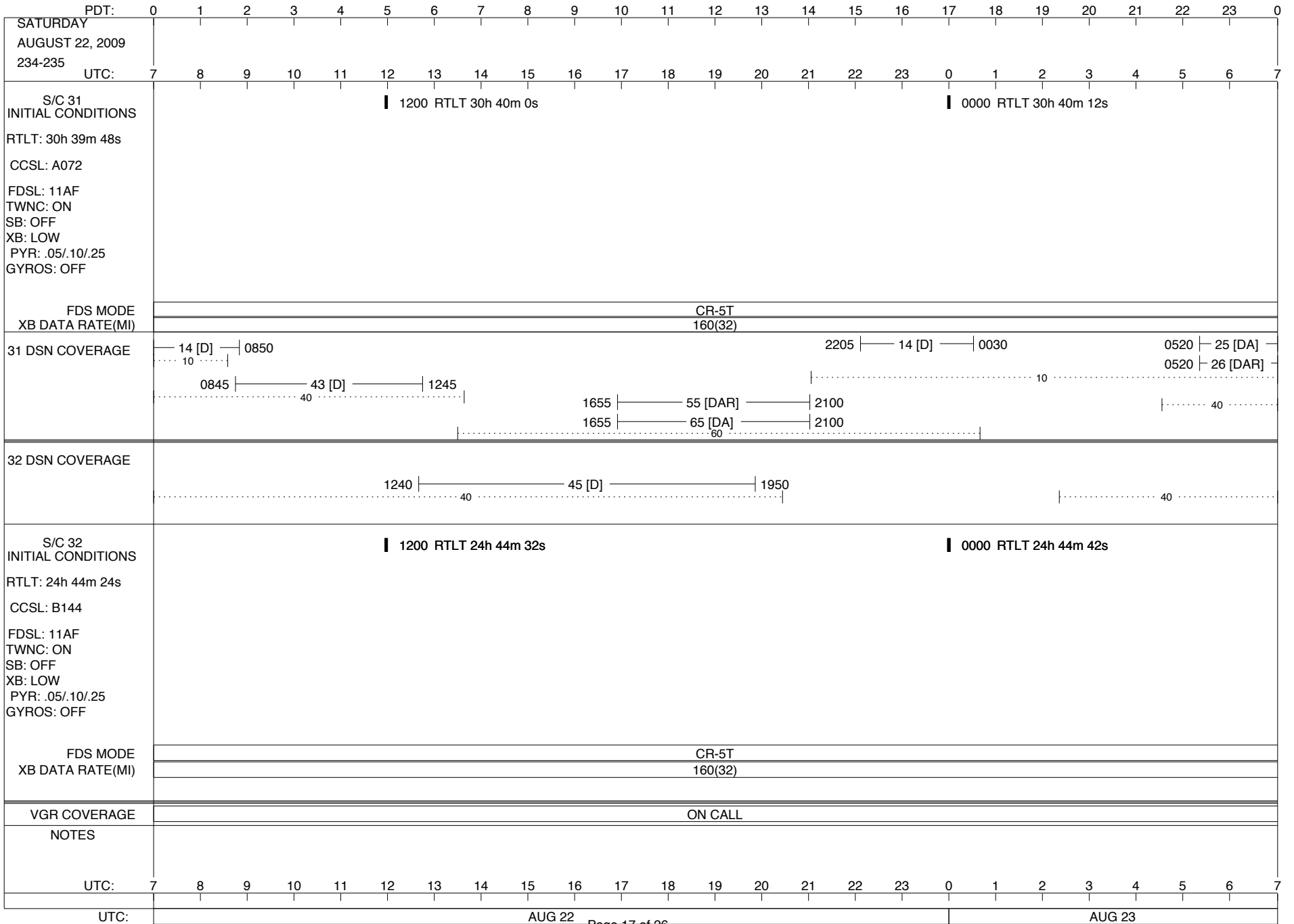
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THURSDAY AUGUST 20, 2009 232-233																									
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S/C 31 INITIAL CONDITIONS RTLT: 30h 39m 2s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 30h 39m 14s												0000 RTLT 30h 39m 26s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0840.....10..... .....40.....												2330 15 [DA] 0600.....10..... .....40.....												
32 DSN COVERAGE	0945 43 [B] 1435.....40.....												.....40.....											
S/C 32 INITIAL CONDITIONS RTLT: 24h 43m 48s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLT 24h 43m 56s												| 0000 RTLT 24h 44m 6s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	▼ 1337 DUMMY (5 MIN BRACKETED 14:21)																								
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 20												AUG 21												

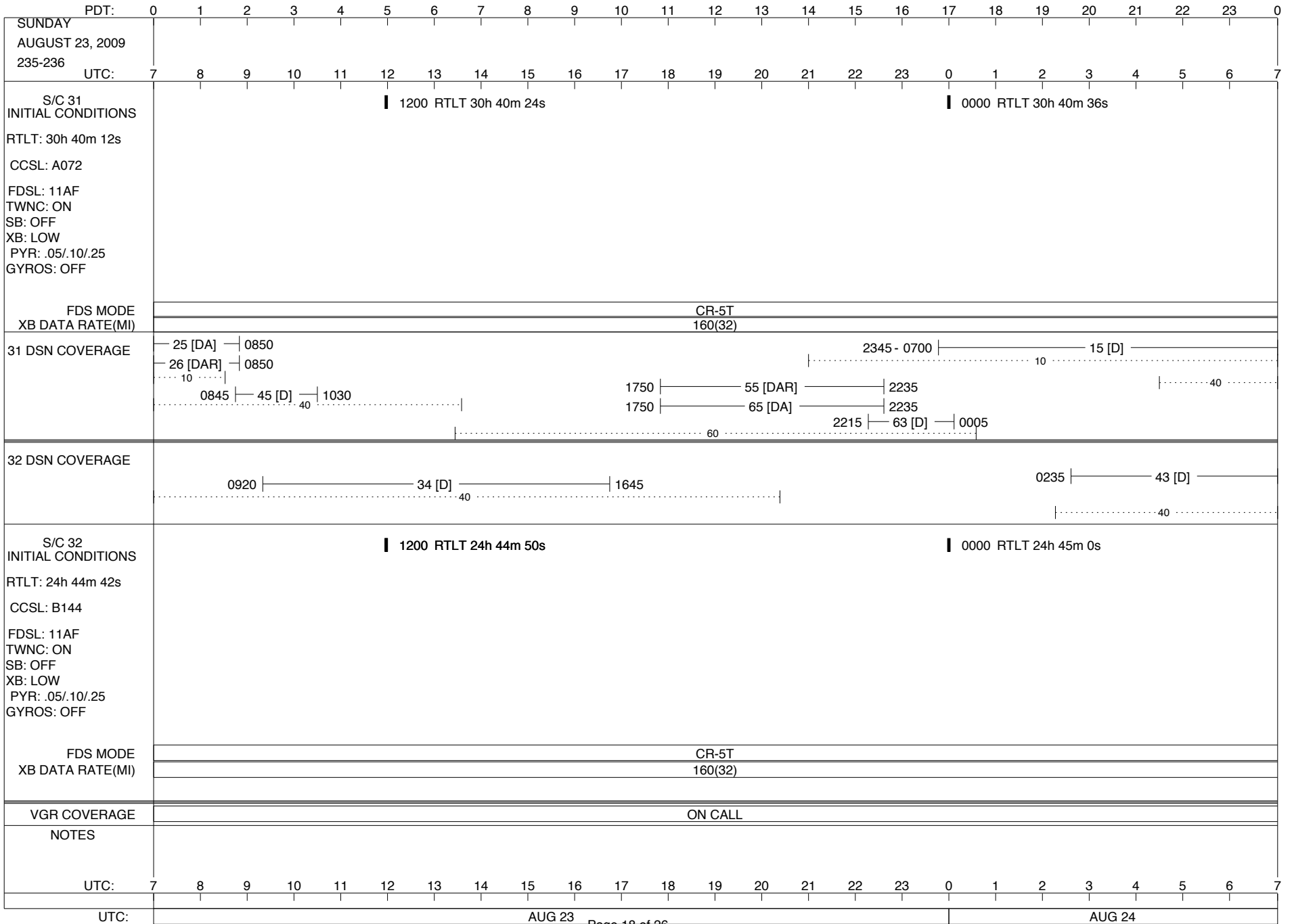
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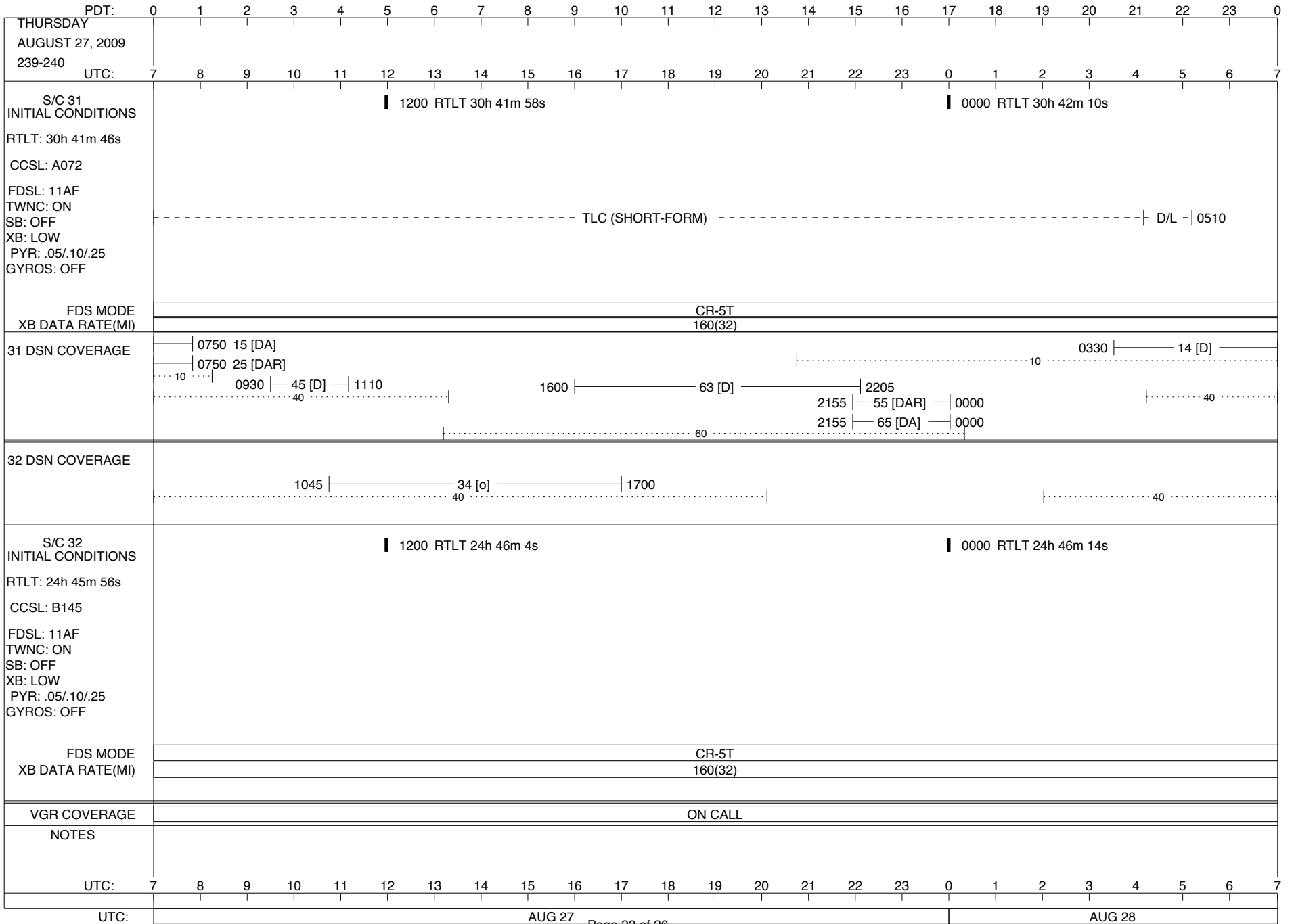
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S/C 31 INITIAL CONDITIONS RTLT: 30h 40m 36s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 40m 46s												0000 RTLT 30h 40m 58s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE	0700 15 [D] .....10.....| .....40.....|												0215 | 15 [D] | 0405 0345 | 14 [D] | .....10.....| 45 [D] 0635 | .....40.....|													
32 DSN COVERAGE	43 [D] | 0800 | 45 [D] | 0740 - 1440.....40.....|												| 40.....|													
S/C 32 INITIAL CONDITIONS RTLT: 24h 45m 0s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 24h 45m 8s												| 0000 RTLT 24h 45m 18s													
FDS MODE	CR-5T												↓ 2157 BEGIN SEQUENCE B145													
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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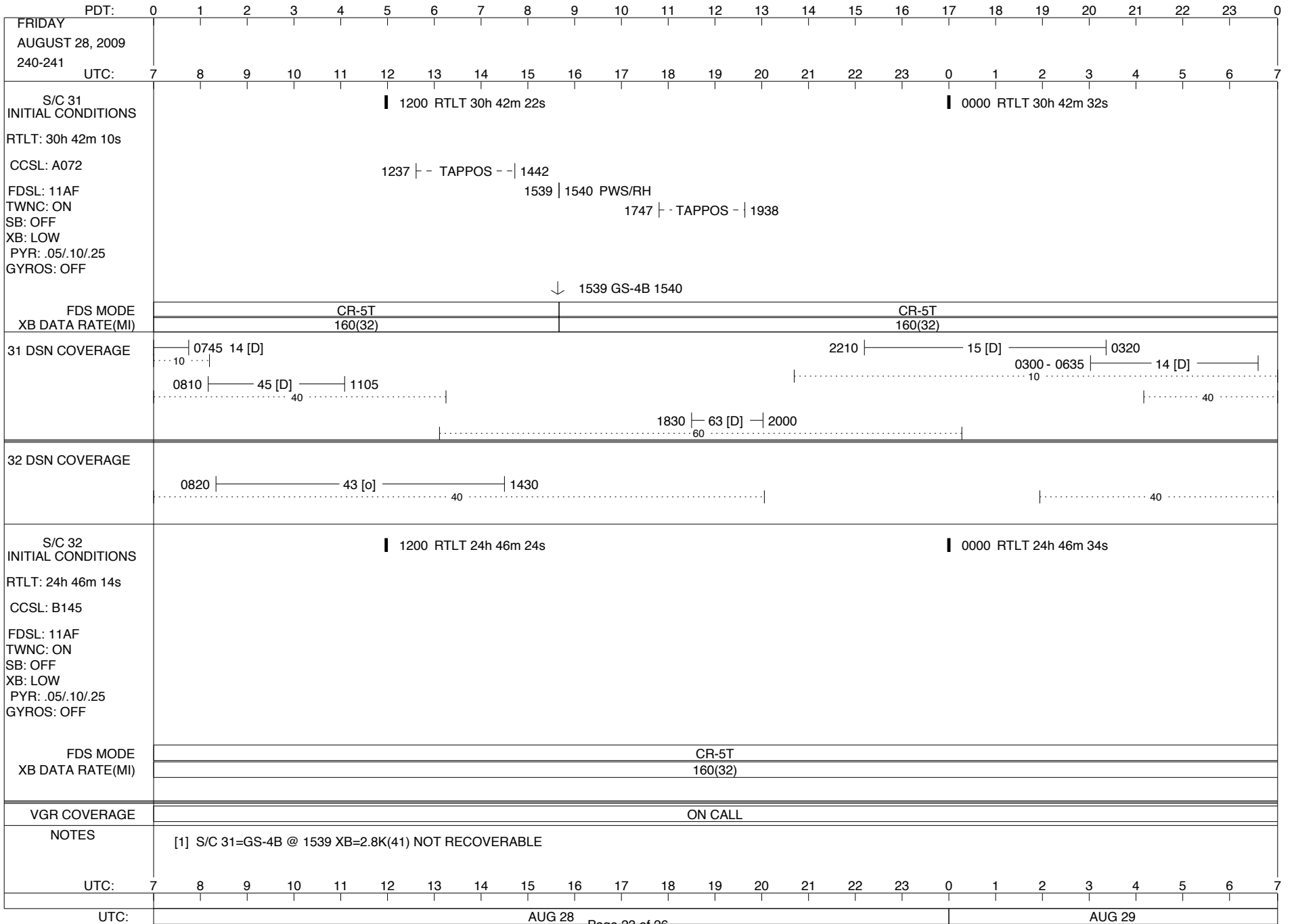
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S/C 31 INITIAL CONDITIONS RTLT: 30h 40m 58s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 41m 10s												0000 RTLT 30h 41m 22s														
	0939 | 0940 PWS/RH																										
	↓ 0939 GS-4B 0940																										
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE	14 [D] | 0840.....10.....|												0015 | .....25 [DA] 0015 | .....26 [DAR]														
	45 [D] | 0915.....40.....|												1855 | .....63 [D] .....| 2205 2155 | .....55 [DAR] .....| 0000 2155 | .....65 [DA] .....| 0000														
32 DSN COVERAGE	34 [D] | .....40.....|												0715 - 1645.....40.....|														
S/C 32 INITIAL CONDITIONS RTLT: 24h 45m 18s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 24h 45m 28s												| 0000 RTLT 24h 45m 36s														
	1245 | - PLSCAL - | 1437																										
	1245 | --- MAGCAL --- | 1548																										
	1245 | --- PESCAL --- | 1605																										
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
VGR COVERAGE													ON CALL														
NOTES	[1] S/C 31=GS-4B @ 0939 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 25														AUG 26												

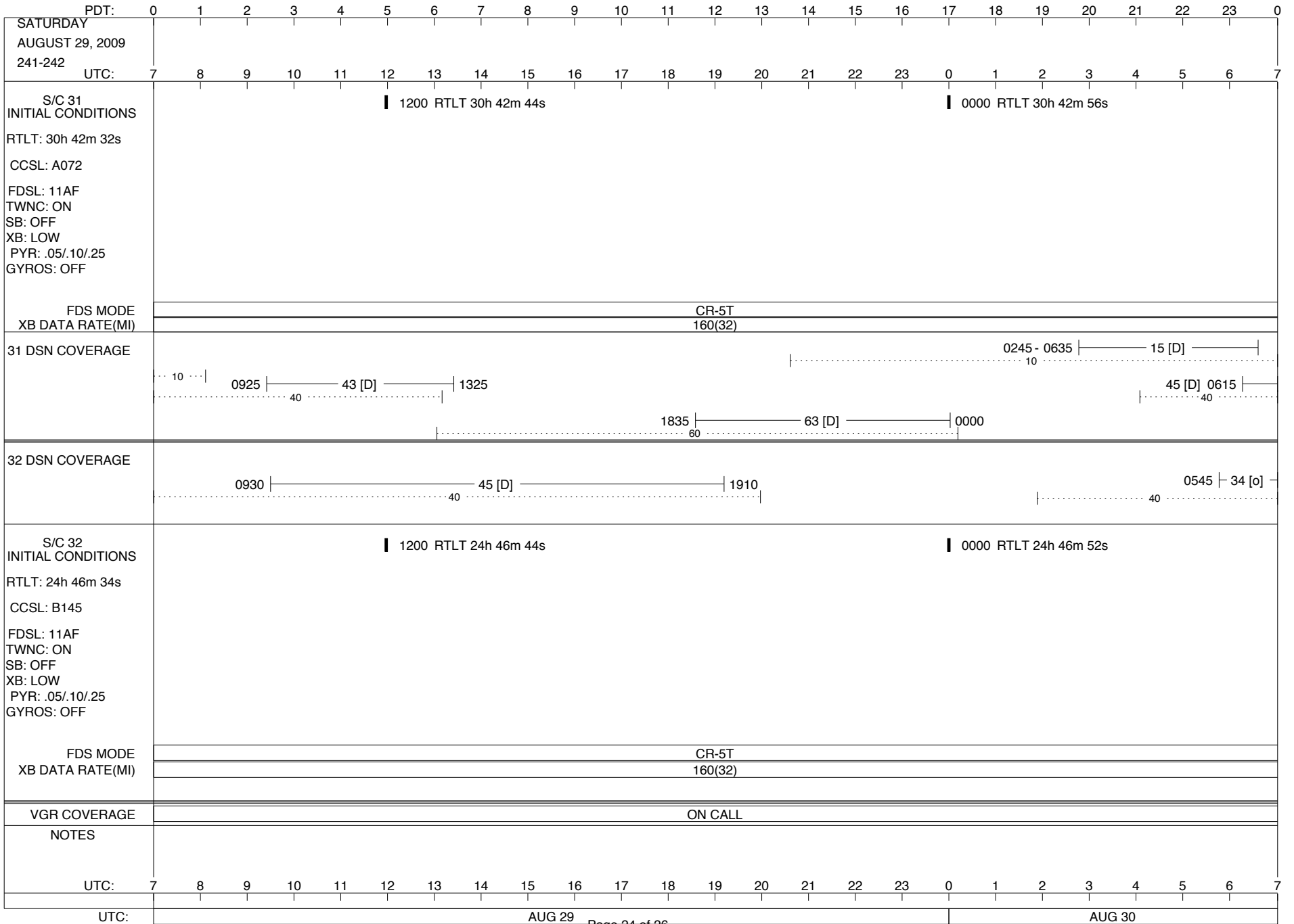
ISSUE DATE: 08/13/09 14:57



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ISSUE DATE: 08/13/09 14:57



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 30, 2009 242-243																									
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 42m 56s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200																			
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 24h 46m 52s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200																			
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE																									
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:																									

ISSUE DATE: 08/13/09 14:57

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 31, 2009 243-244	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 43m 20s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 30h 43m 32s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>0750 14 [D] 10 40 1505 | 63 [D] | 2355</p>																										
32 DSN COVERAGE	<p>43 [H] | 1420 40</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 24h 47m 12s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 24h 47m 22s ▼ 1215 EL-40 (13:02) ▼ 1235 TLMPRG (13:22) - ECR 108662 ▼ 1255 CR-5T (13:42)																										
FDS MODE XB DATA RATE(MI)														CR-5T 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:	AUG 31													SEP 01													