

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: April 23, 2008

For the Period: 04/24/08 to 05/12/08 (08-115 – 08-133)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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 Matsumoto, S.  
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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)  
 02/21/08

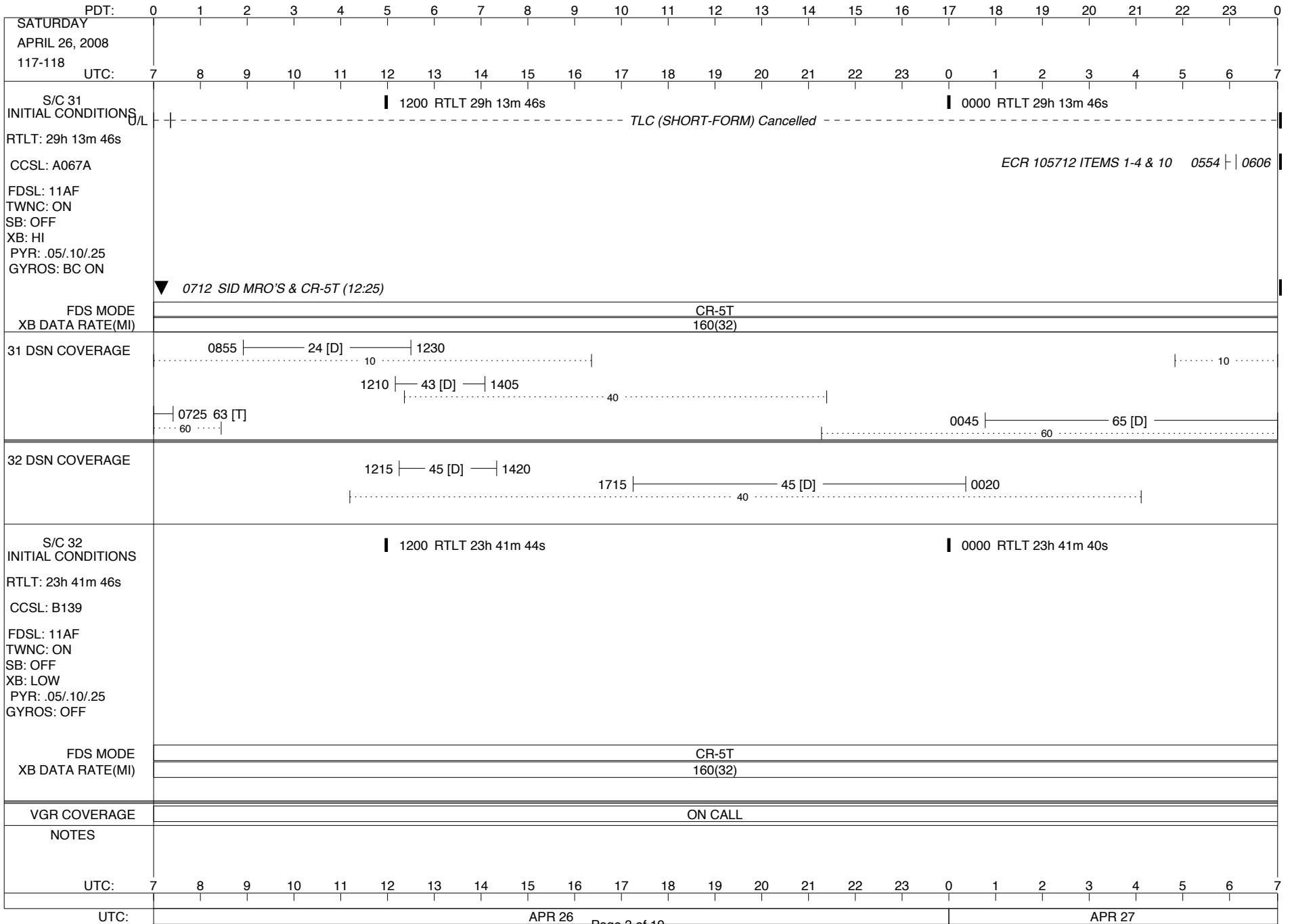
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THURSDAY APRIL 24, 2008 115-116																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 29h 13m 44s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLTL 29h 13m 44s												0000 RTLTL 29h 13m 44s												
↓ 0732 YAW=.05 ----- PLAYBACK -----   0741 - 1416 ↓ 1430 YAW=.10													TAPPOS 0604   0607 GYROS BC ON 0625 ↓ GYRO INIT 0626 ↓ GYRO FAULT TEST 0635 ↓												
↓ 0741													↓ 1416												
FDS MODE	PB-14												CR-5T												
XB DATA RATE(MI)	1.4K(39)												160(32)												
31 DSN COVERAGE	14 [DA] 0730 - 1425 25 [DAR] 0730 - 1425												0730 - 1425												
	----- 10 -----												----- 10 -----												
	----- 40 -----												0050 ----- 65 [D] -----												
	0700 - 0720 65 [D]												63 [D] 0655												
	----- 60 -----												----- 60 -----												
32 DSN COVERAGE	1415 ----- 45 [D] ----- 1640												1610 ----- 43 [D] ----- 2005												
	----- 40 -----												----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 23h 41m 56s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 23h 41m 54s												0000 RTLTL 23h 41m 52s												
	----- COMMAND MORATORIUM -----												0700 - 2330												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] S/C 31=PB-14 @ 0741 XB=1.4K(39)																								
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:	APR 24												APR 25												

ISSUE DATE: 04/27/08 10:00

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FRIDAY APRIL 25, 2008 116-117	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: 29h 13m 44s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 29h 13m 44s												TAPPOS 1953   2006						0000 RTLT 29h 13m 46s						
	0728 - 0735 CCSTIM(B)												PWS/RH 2255   2256						U/L 0655						
													TAPPOS 0102   0103						EL-40 (08:06) 0252▼						
																			TLMPRG (08:21) 0307▼						
																			CR-5T (08:41) 0327▼						
																			DUMMY (10:14) 0500▼						
																			EL-40 (10:31) 0517▼						
																			CCSL A067B (Aborted, Trx Failure) 0538▼						
													2255 GS-4B 2256 ↓												
FDS MODE	CR-5T												CR-5T						CR-5T						
XB DATA RATE(MI)	160(32)												160(32)						160(32)						
31 DSN COVERAGE	0900  ----- 25 [D] -----  1400												1525  ----- 45 [D] -----  1655						2330  ----- 65 [D] -----  0115						
	----- 63 [D] -----  0920												----- 40 -----						0110  ----- 63 [T] -----						
	----- 60 -----																		----- 60 -----						
32 DSN COVERAGE	1215  ----- 45 [D] -----  1440												1420  ----- 43 [D] -----  1640						2005  ----- 43 [o] -----  0305						
																			----- 40 -----						
S/C 32 INITIAL CONDITIONS RTLTL: 23h 41m 52s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 23h 41m 48s																		0000 RTLT 23h 41m 46s						
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL																		VGR						
NOTES	[1] S/C 31=GS-4B @ 2255 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:	APR 25												Page 2 of 19						APR 26						

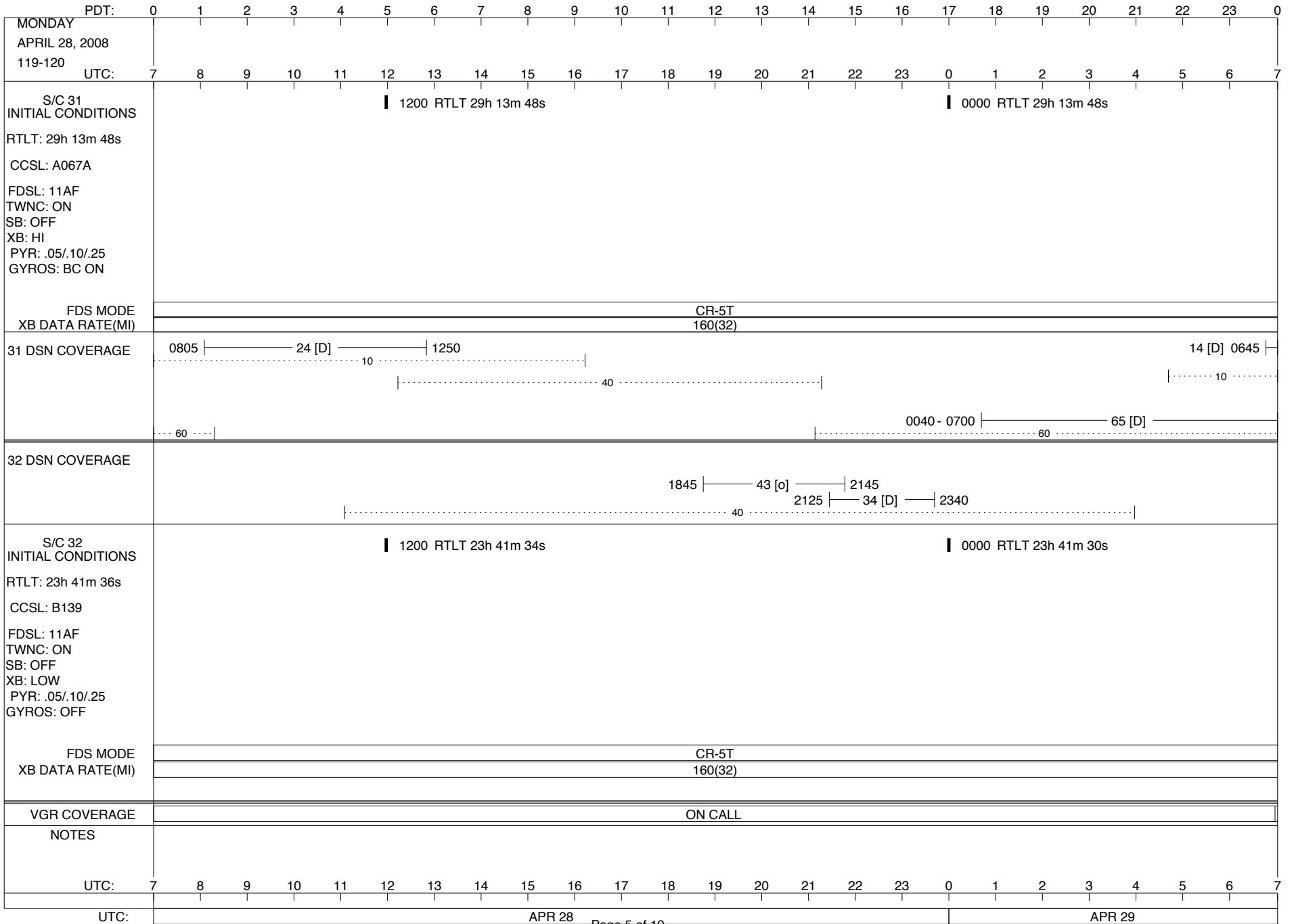
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ISSUE DATE: 04/27/08 10:00

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SUNDAY APRIL 27, 2008 118-119	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 13m 46s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 29h 13m 46s --- TLC (SHORT-FORM) Cancelled --- D/L -  1337												0000 RTLT 29h 13m 48s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)	CR-5T 160(32)	EL-40 40(30)													CR-5T 160(32)												
31 DSN COVERAGE	0750  ----- 25 [D] -----  1350 .....10 .....  ----- 40 -----  .....10 .....												0035  ----- 65 [D] -----  0545 .....60 .....															
32 DSN COVERAGE	1210  ----- 45 [D] -----  2035 .....40 .....												2330  ----- 43 [D] -----  0205 .....															
S/C 32 INITIAL CONDITIONS RTLT: 23h 41m 40s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 23h 41m 38s												0000 RTLT 23h 41m 36s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE	VGR												ON CALL															
NOTES	[1] S/C 31=EL-40 @ 0806 XB=40(30) [2] S/C 31=CR-5T @ 0841 XB=160(32)												[3] S/C 31=EL-40 @ 1031 XB=160(32) [4] S/C 31=CR-5T @ 1231 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			
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ISSUE DATE: 04/27/08 10:00



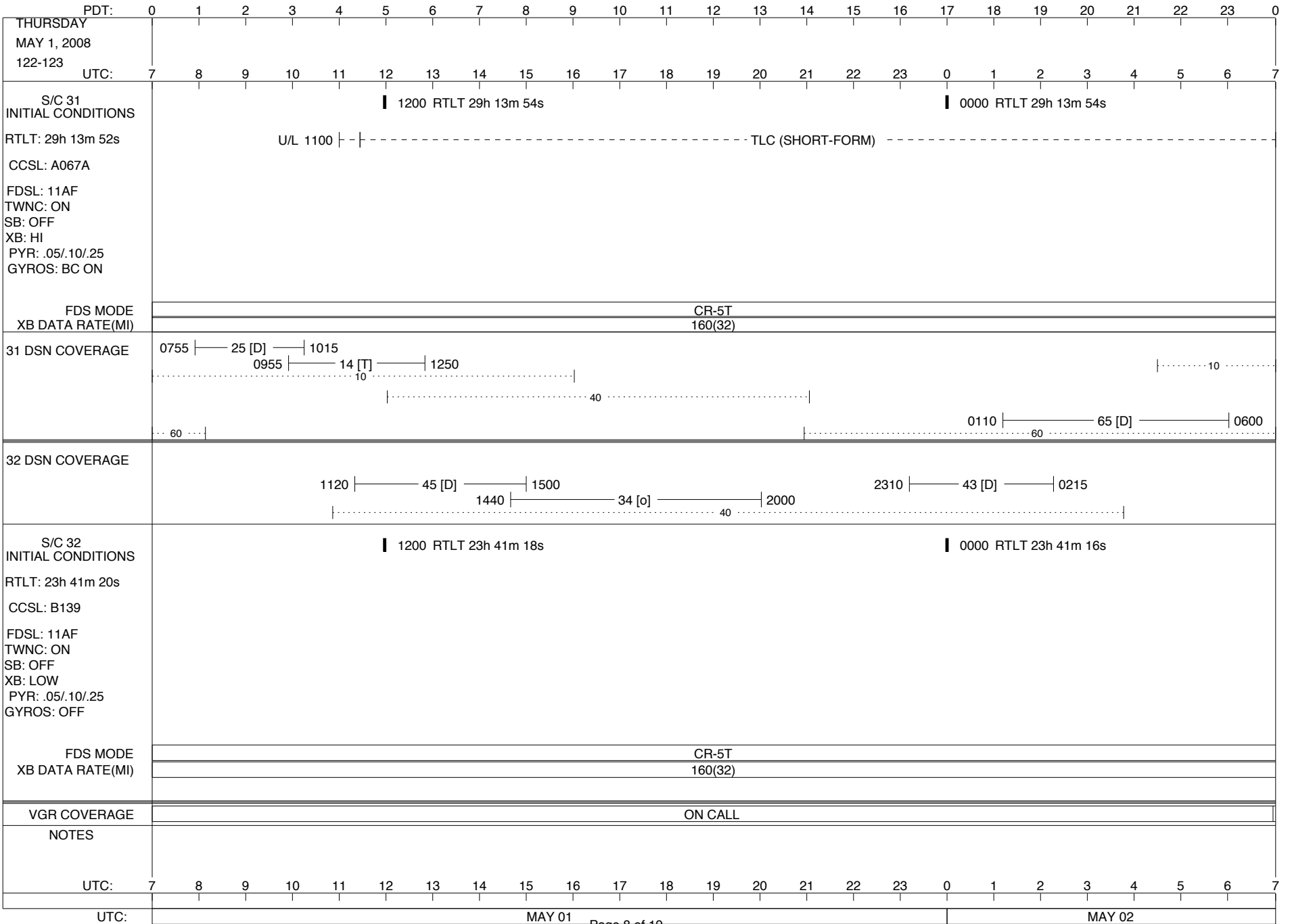
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TUESDAY APRIL 29, 2008 120-121																									
UTC:		7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7																							
S/C 31 INITIAL CONDITIONS		1200 RTLT 29h 13m 50s												0000 RTLT 29h 13m 50s											
RTLT: 29h 13m 48s		↓ 0742 ALL DB=.05																							
CCSL: A067A		↓ 0758 AAI																							
FDSL: 11AF		0758   - -   0835 ASCAL																							
TWNC: ON		↓ 0833 RAI																							
SB: OFF		↓ 0835 CRU																							
XB: HI		↓ 0844 ROLL=.25																							
PYR: .05/.10/.25		↓ 0846 GYRO FAULT TEST																							
GYROS: BC ON		↓ 0726 ↓ 0838																							
FDS MODE		CR-5T												CR-5T											
XB DATA RATE(MI)		EL-40 40(30)												160(32)											
31 DSN COVERAGE		<p>14 [D] ———   1045</p> <p>1025   ——— 24 [D] ———   1245</p> <p>..... .....10..... .....10.....</p> <p>..... .....40..... .....</p> <p>0700 65 [D]</p> <p>.....60..... .....2245 - 0655  .....65 [D].....</p> <p>.....60..... .....</p>																							
32 DSN COVERAGE		<p>..... .....1625  .....43 [HoB]..... .....0225.....</p> <p>.....40..... .....</p>																							
S/C 32 INITIAL CONDITIONS		1200 RTLT 23h 41m 28s												0000 RTLT 23h 41m 26s											
RTLT: 23h 41m 30s		1751   - - - - PESCAL - - - -   2111																							
CCSL: B139		1751   - - - - MAGCAL - - - -   2053																							
FDSL: 11AF		1751   PLSCAL -   1933																							
TWNC: ON																									
SB: OFF																									
XB: LOW		▼ 1907 DUMMY (5 MIN BRACKETED 18:49)																							
PYR: .05/.10/.25																									
GYROS: OFF																									
FDS MODE		CR-5T																							
XB DATA RATE(MI)		160(32)																							
VGR COVERAGE		VGR												ON CALL											
NOTES		<p>[1] S/C 31=EL-40 @ 0726 XB=40(30)</p> <p>[2] S/C 31=D/L /SNR VARIATIONS EXPECTED DURING ASCAL (0758-0835)</p> <p>[3] S/C 31=GS-4B @ 1631 XB=2.8K(41) NOT RECOVERABLE</p>																							
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:		APR 29												APR 30											

ISSUE DATE: 04/27/08 10:00

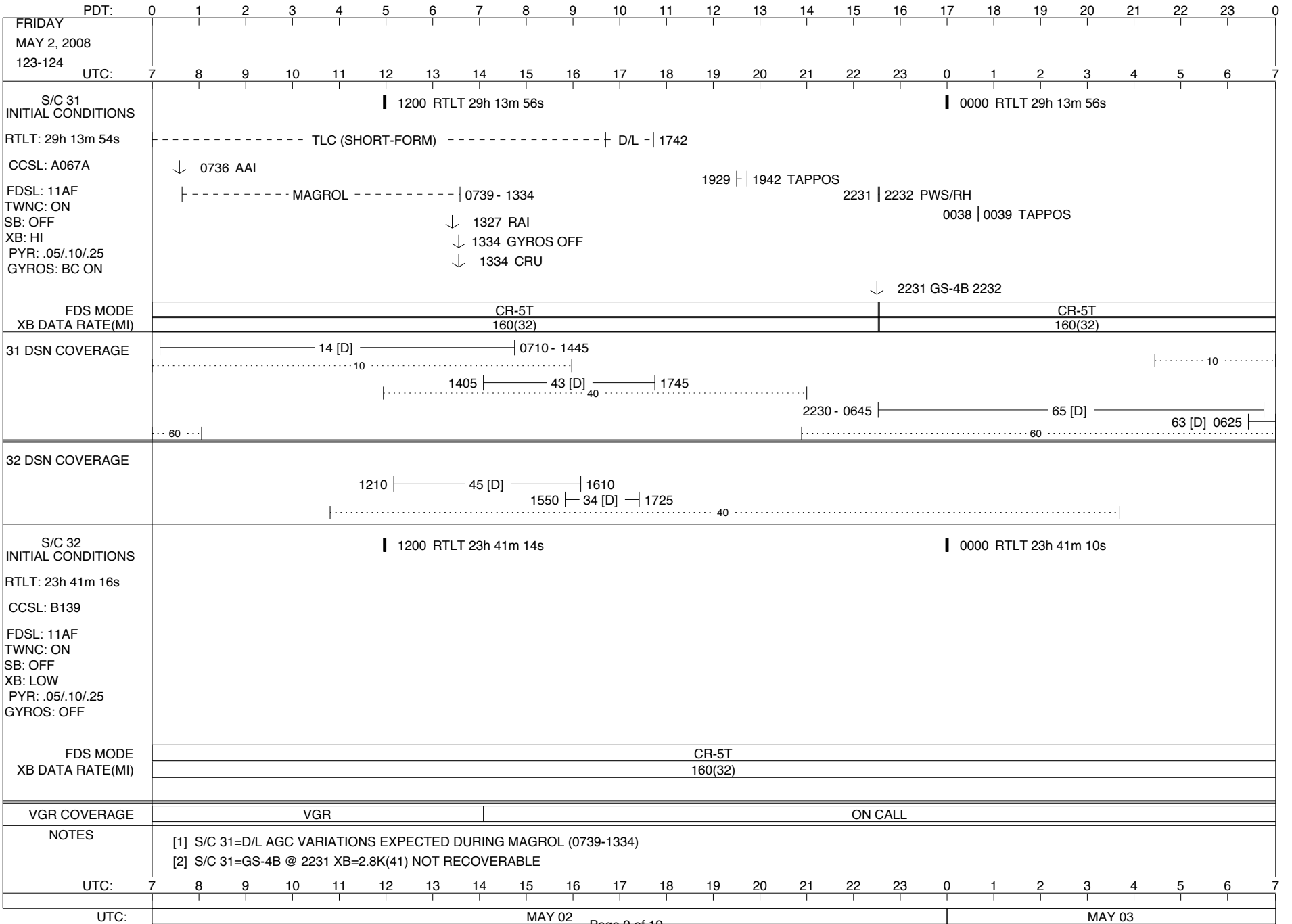
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WEDNESDAY APRIL 30, 2008 121-122																												
S/C 31 INITIAL CONDITIONS RTLTL: 29h 13m 50s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 29h 13m 52s														0000 RTLT 29h 13m 52s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
31 DSN COVERAGE	0755  ----- 24 [D] -----  1245 ..... 10 ..... 1230   14 [D]   1400 ..... ..... 40 ..... ..... 60 ..... ..... 2250 - 0655  ----- 65 [D] -----  ..... 60 .....																											
32 DSN COVERAGE	..... 1335  ----- 34 [o] -----  1955 ..... ..... 40 .....																											
S/C 32 INITIAL CONDITIONS RTLTL: 23h 41m 26s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 23h 41m 22s														0000 RTLT 23h 41m 20s													
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:	APR 30														MAY 01													



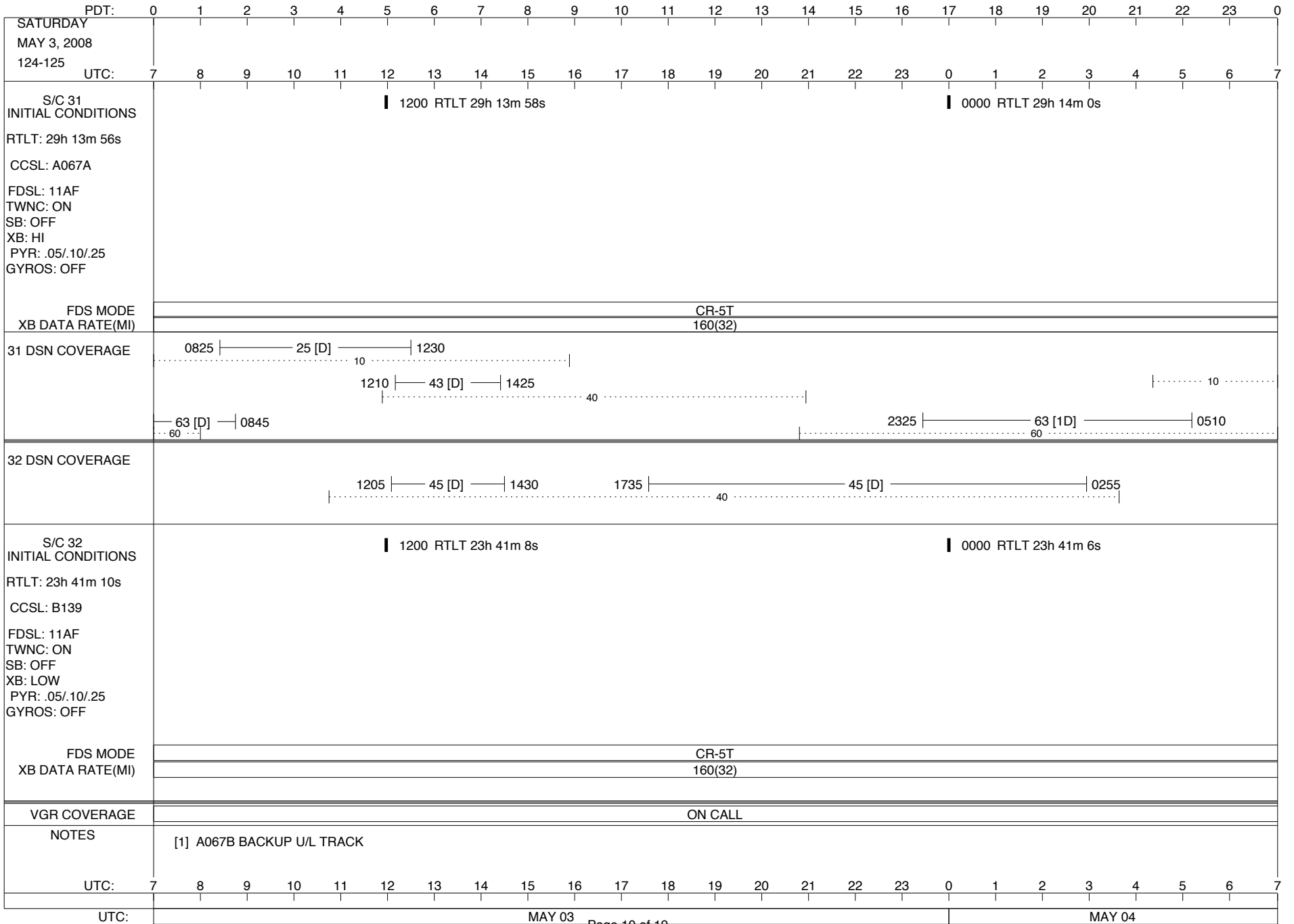
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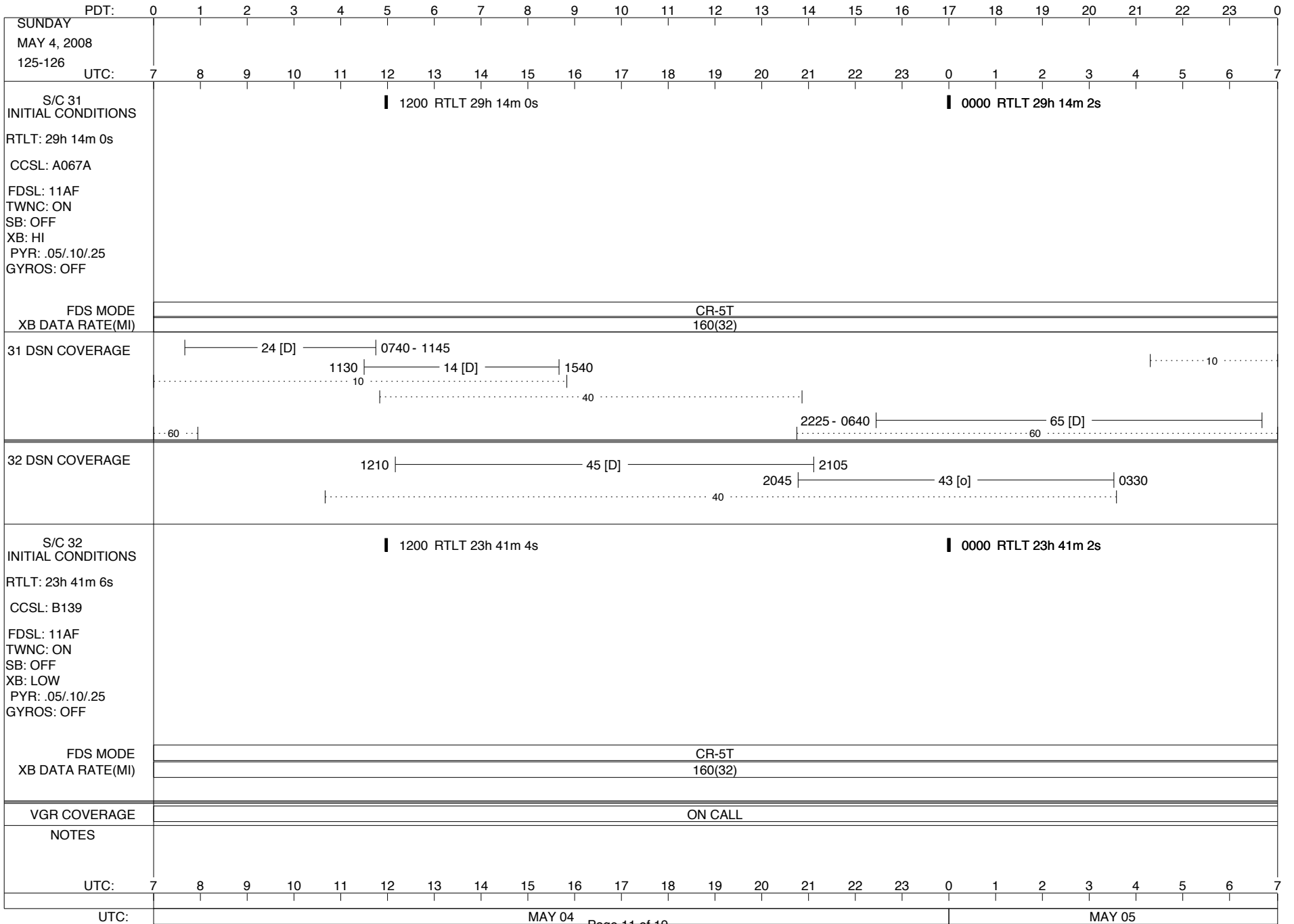
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ISSUE DATE: 04/27/08 10:00



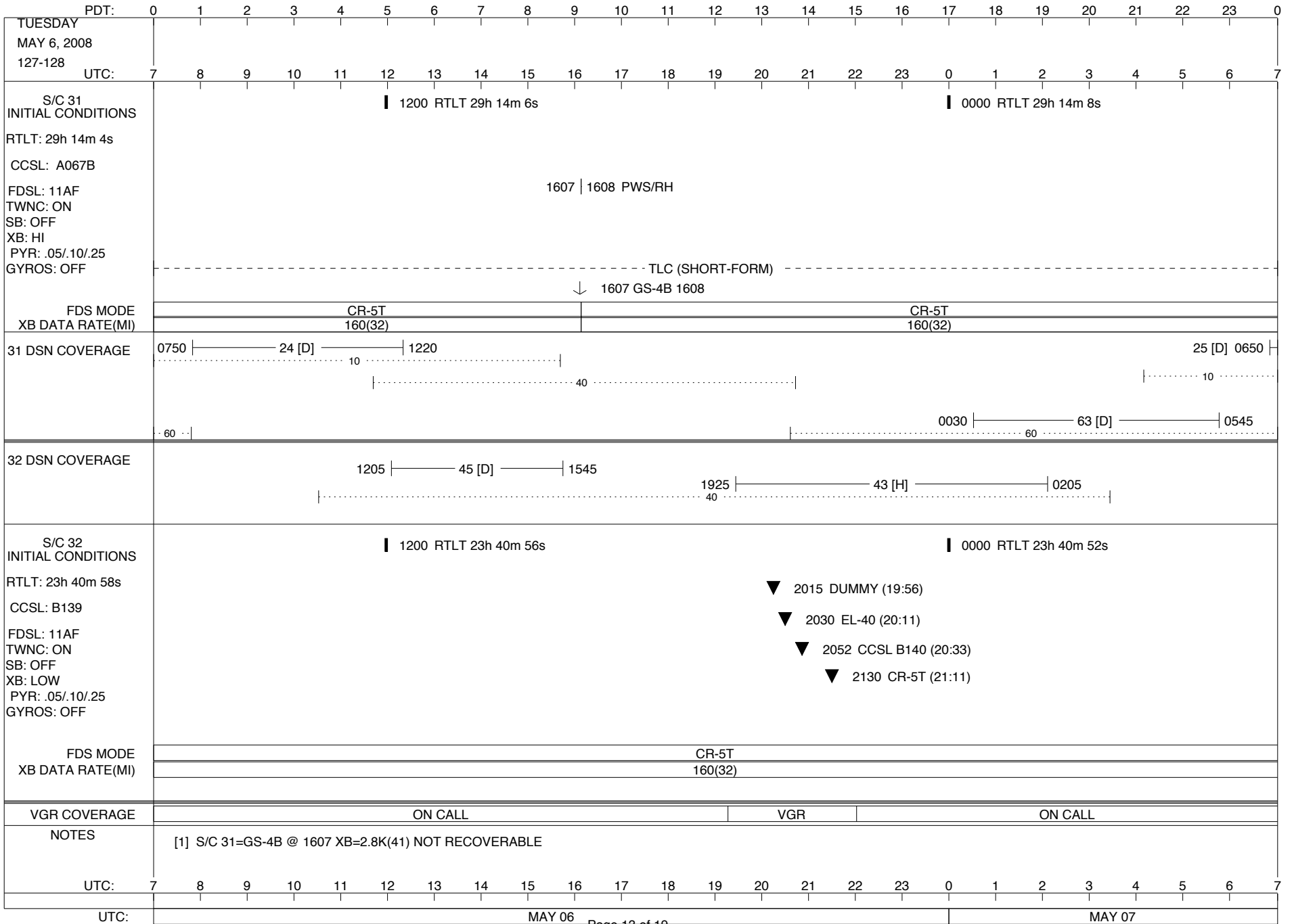
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ISSUE DATE: 04/27/08 10:00

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MONDAY MAY 5, 2008 126-127																									
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: 29h 14m 2s CCSL: A067A FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLTL 29h 14m 4s												0000 RTLTL 29h 14m 4s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	0810  ----- 24 [D] -----  1225												----- 10 -----												
	----- 40 -----												----- 10 -----												
	----- 60 -----												0005- 0615  ----- 63 [T] -----												
	----- 60 -----												----- 60 -----												
32 DSN COVERAGE	1200  ----- 45 [D] -----  1720												2120  ----- 45 [D] -----  0235												
	----- 40 -----												----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 23h 41m 2s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 23h 41m 0s												0000 RTLTL 23h 40m 58s												
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:	MAY 05												MAY 06												

ISSUE DATE: 04/27/08 10:00



ISSUE DATE: 04/27/08 10:00

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 MAY 7, 2008 128-129																									
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: 29h 14m 8s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	<p>1200 RTLT 29h 14m 10s</p> <p>0759   0806 ECR 105712 S/W MODS 5-9</p> <p>* ↓ 0907 EL-40</p> <p>* ↓ 0922 TLMPRG</p> <p>* ↓ 0941 CR-5T</p> <p>--- TLC (SHORT-FORM) ---   D/L   1217</p>												<p>0000 RTLT 29h 14m 12s</p>												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	<p>25 [D]   0930</p> <p>0910   26 [D]   1215</p> <p>..... 10 .....</p> <p>..... 40 .....</p> <p>..... 60 .....</p>												<p>0025   65 [D]   0435</p> <p>..... 60 .....</p>												
32 DSN COVERAGE	<p>1250   34 [D]   1425</p> <p>1405   43 [D]   2025</p> <p>..... 40 .....</p> <p>2005   34 [D]   0100</p>																								
S/C 32 INITIAL CONDITIONS RTLTL: 23h 40m 52s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	<p>1200 RTLT 23h 40m 50s</p>												<p>0000 RTLT 23h 40m 48s</p> <p>*   TBD - TBD CCSL B140 CHKSUM</p> <p>* * ↓ ↓ 2112 CR-5T</p>												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												EL-40 40(30)		CR-5T 160(32)										
VGR COVERAGE	VGR				ON CALL								VGR				ON CALL								
NOTES	<p>[1] S/C 31=EL-40 @ 0907 XB=40(30)</p> <p>[2] S/C 31=CR-5T @ 0941 XB=160(32)</p>												<p>[3] S/C 32=EL-40 @ 2012 XB=40(30)</p> <p>[4] S/C 32=CR-5T @ 2112 XB=160(32)</p>												
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:	MAY 07														MAY 08										

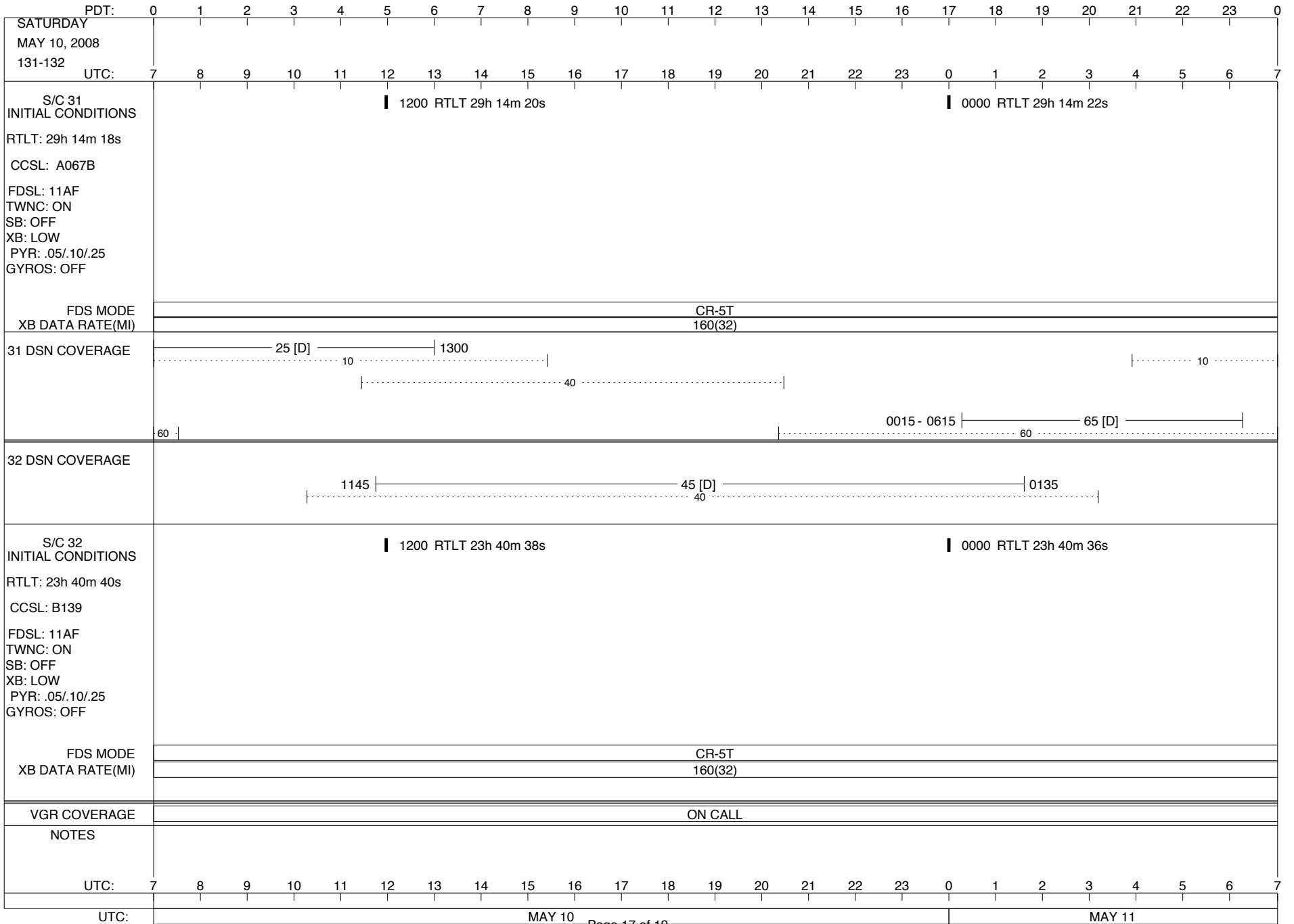
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THURSDAY MAY 8, 2008 129-130																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 29h 14m 12s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLT 29h 14m 12s ↓ 1252 LINK TCM THR PATCH - ECR'S 37810 & 37858 1332     1352 AACS MRO 1352     1403 CCS MRO 1403     1416 FDS MRO ↓ 1432 X/B LOW POWER ↓ 1436 BAY 1 HTR ON ↓ 1317 EH-12 1416												0000 RTLT 29h 14m 14s												
FDS MODE	CR-5T						EH-12						CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0800  -----14 [D]-----  1445  -----10-----   -----40-----												25 [D] 0635  -----10-----  0020  -----65 [D]-----  0605  -----60-----												
32 DSN COVERAGE	-----40-----  2145  -----45 [D]-----  0250																								
S/C 32 INITIAL CONDITIONS RTLT: 23h 40m 48s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 23h 40m 46s												0000 RTLT 23h 40m 44s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=EL-40 @ 1317 XB=40(30) [2] S/C 31=CR-5T @ 1416 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:	MAY 08												MAY 09												

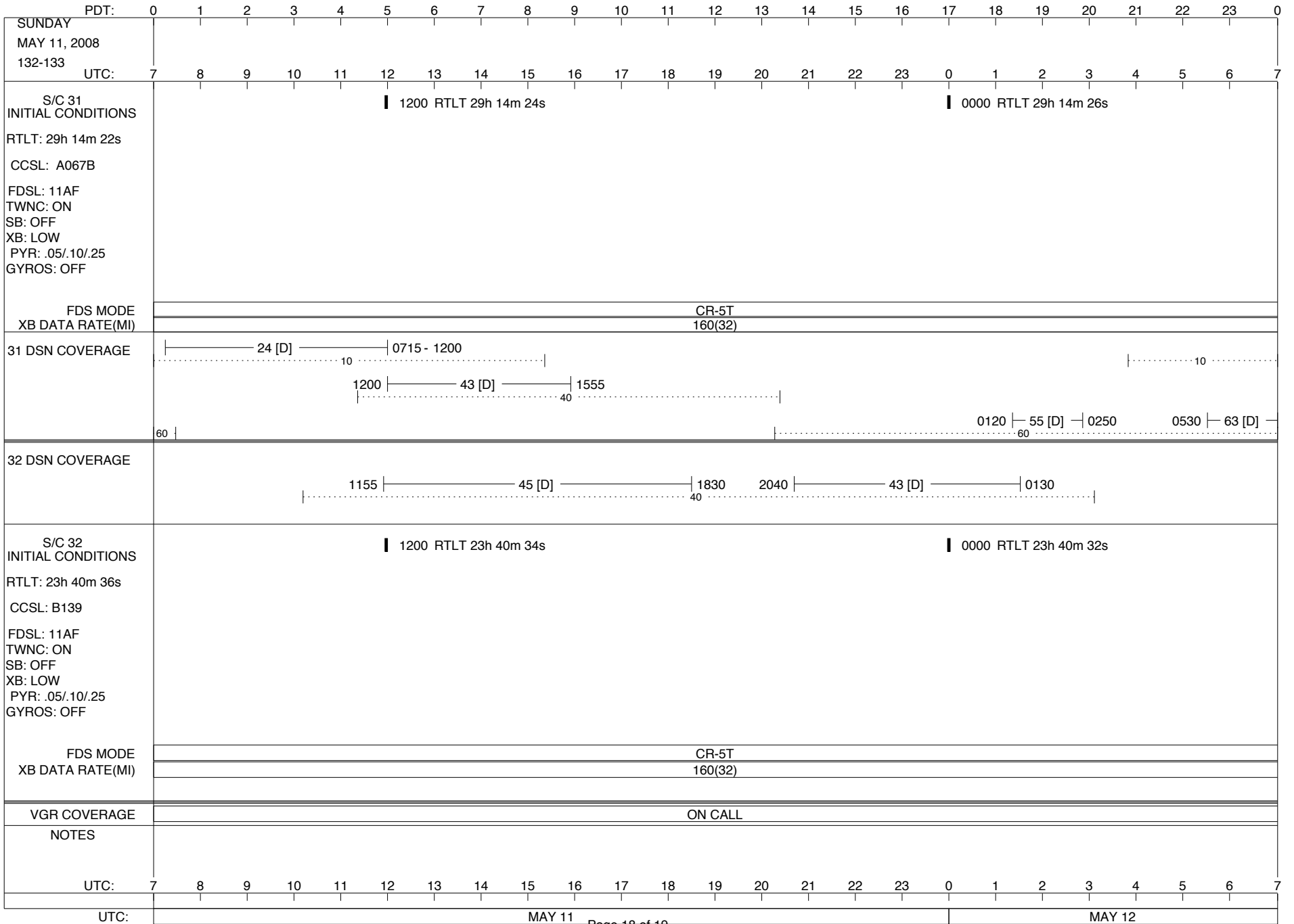


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S/C 31 INITIAL CONDITIONS RTLTL: 29h 14m 14s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 14m 16s												0000 RTLT 29h 14m 18s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	25 [D] 1305												25 [D] 0620												
32 DSN COVERAGE	1205 45 [D] 1700												1640 34 [D] 1950												
S/C 32 INITIAL CONDITIONS RTLTL: 23h 40m 44s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 23h 40m 42s												0000 RTLT 23h 40m 40s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 2207 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:	MAY 09												MAY 10												



ISSUE DATE: 04/27/08 10:00



ISSUE DATE: 04/27/08 10:00

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 MAY 12, 2008 133-134	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 14m 26s CCSL: A067B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 14m 28s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 23h 40m 32s CCSL: B139 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 23h 40m 32s																										
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:	MAY 12													MAY 13													