

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: August 3, 2016

For the Period: 08/04/16 to 08/21/16 (16-217 – 16-234)

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

**DSOT (1) 230-102**

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 Howard, S. (3)  
 Ludwig, R. (2)  
 Matsumoto, S.  
 Medina  
 Peralta, F.  
 Weeks, T.  
 Wong, R.  
 Yang, L.  
 Zottarelli, L.  
 \*odivers@san.rr.com

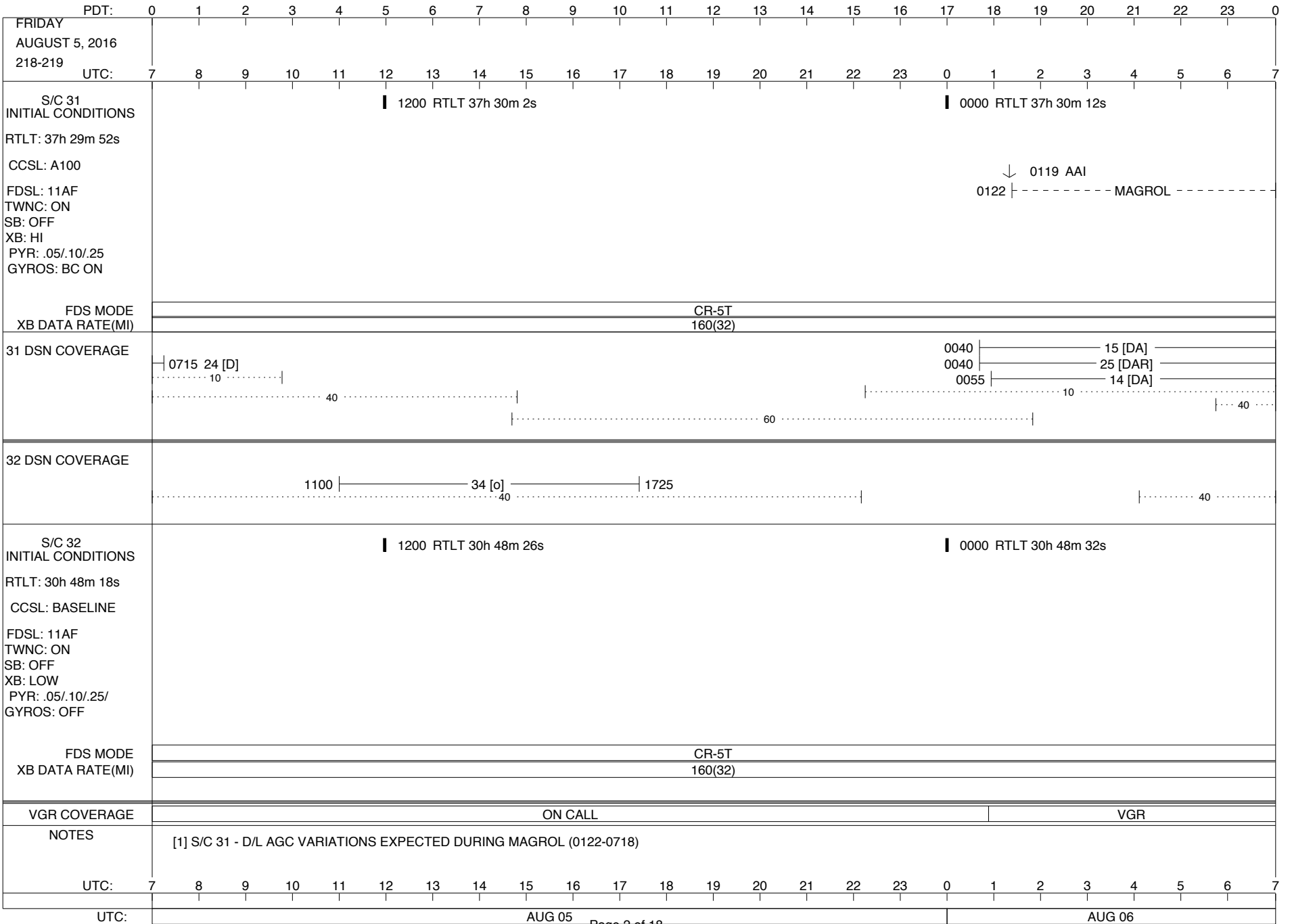
**LEGEND:**  
 ▽ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna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

\*Electronic Copy Only  
 (16 – Dist/N: Paper Copies)  
 09/08/10

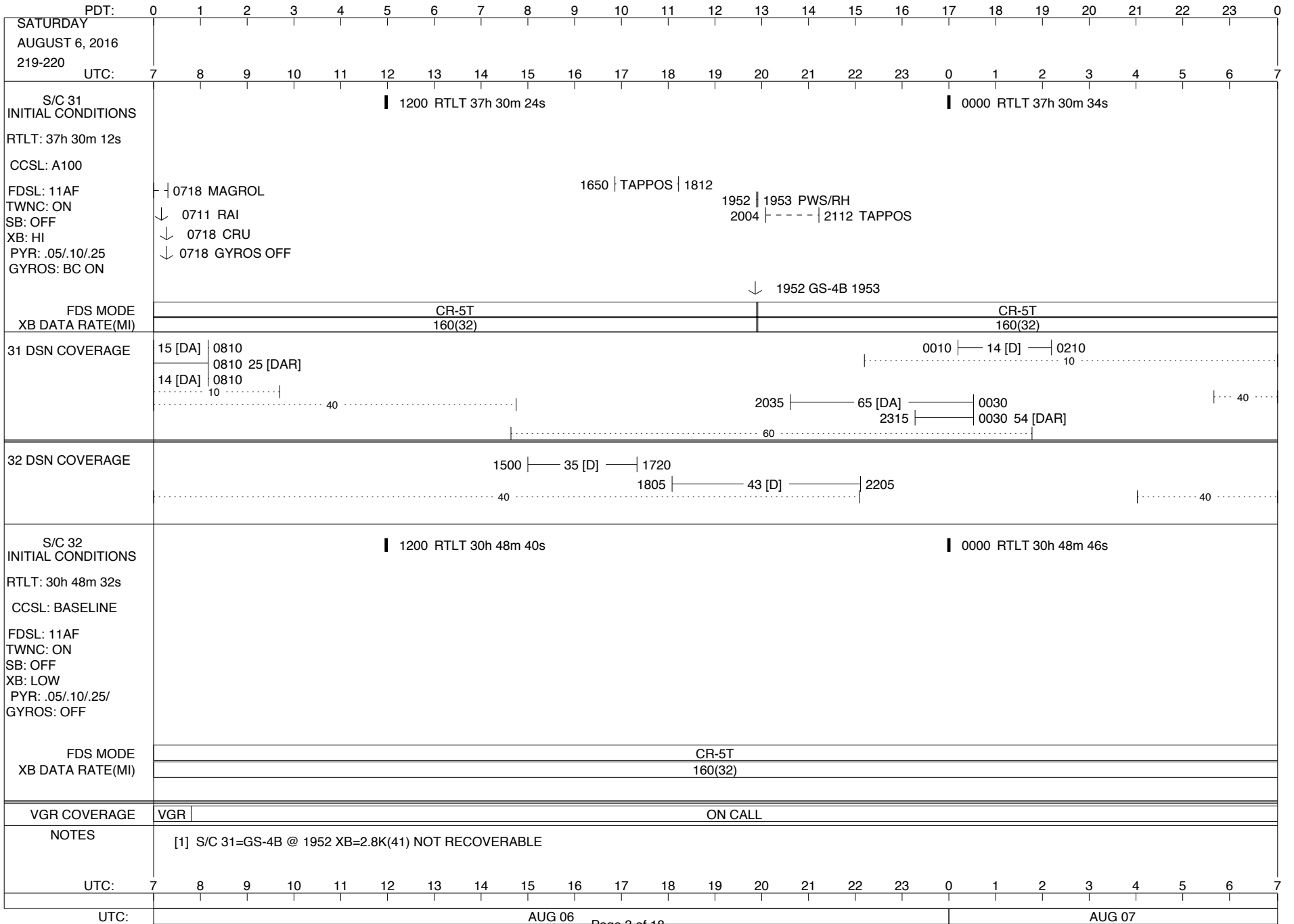
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THURSDAY AUGUST 4, 2016 217-218																												
S/C 31 INITIAL CONDITIONS RTLT: 37h 29m 30s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 37h 29m 40s												0000 RTLT 37h 29m 52s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	..... 10 .....										2230  ----- 14 [D] -----  0330										0545   24 [D]  ----- 40 .....							
32 DSN COVERAGE	----- 43 [D] -----  1000										..... 40 .....										----- 40 .....							
S/C 32 INITIAL CONDITIONS RTLT: 30h 48m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 48m 10s												0000 RTLT 30h 48m 18s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
VGR COVERAGE	ON CALL														VGR				ON CALL									
NOTES	[1] S/C 31=GS-4B @ 1651 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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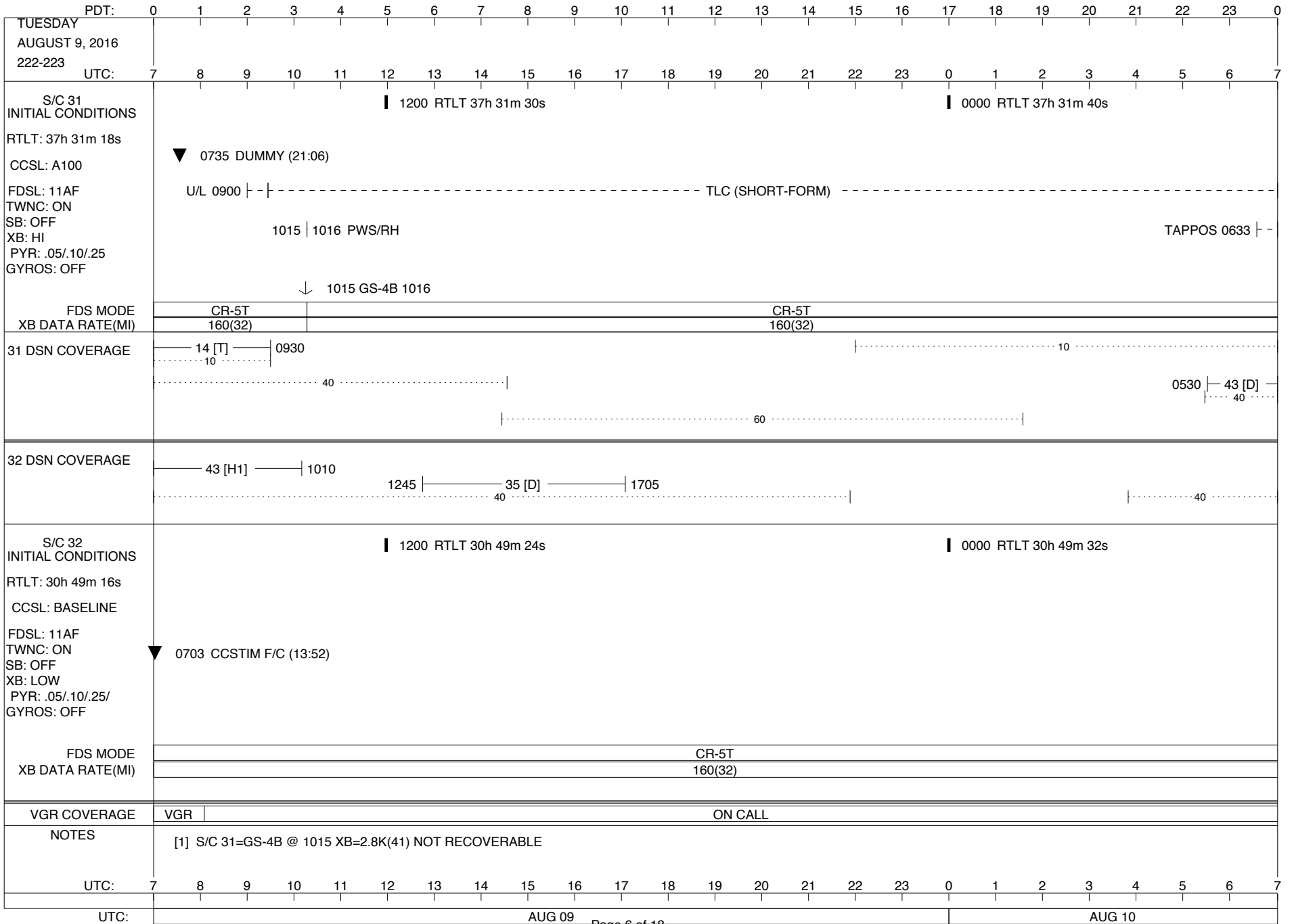
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SUNDAY AUGUST 7, 2016 220-221																									
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S/C 31 INITIAL CONDITIONS RTLT: 37h 30m 34s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 30m 46s												0000 RTLT 37h 30m 56s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	..... 10 .....   0910  — 36 [D] —  1110 ..... 40 .....												..... 10 ..... ..... 60 .....   ..... 40 .....												
32 DSN COVERAGE	1130  ————— 45 [D] —————  1715 ..... 40 .....												1850  ——— 43 [D] ———  2200 ..... 40 .....												
S/C 32 INITIAL CONDITIONS RTLT: 30h 48m 46s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 48m 54s												0000 RTLT 30h 49m 2s												
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 07												AUG 08												

ISSUE DATE: 08/04/16 07:40

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MONDAY AUGUST 8, 2016 221-222																									
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S/C 31 INITIAL CONDITIONS RTLT: 37h 30m 56s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 31m 8s												0000 RTLT 37h 31m 18s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	..... 10 .....										----- 10 -----										0530   14 [T]				
	----- 34 [DA] -----				----- 35 [DAR] -----				----- 0720 - 1230 -----				----- 0720 - 1230 -----				----- 40 -----								
	----- 40 -----										----- 60 -----														
32 DSN COVERAGE											1320  ----- 35 [DA] -----										2035   43 [H1]				
	----- 40 -----										1700  ----- 45 [DAR] -----				2035		----- 40 -----								
S/C 32 INITIAL CONDITIONS RTLT: 30h 49m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 49m 8s												0000 RTLT 30h 49m 16s												
	CCSL B173 (13:20) 0630 ▼																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 32 DSS-43 HP DRV ON >= 05:13																								
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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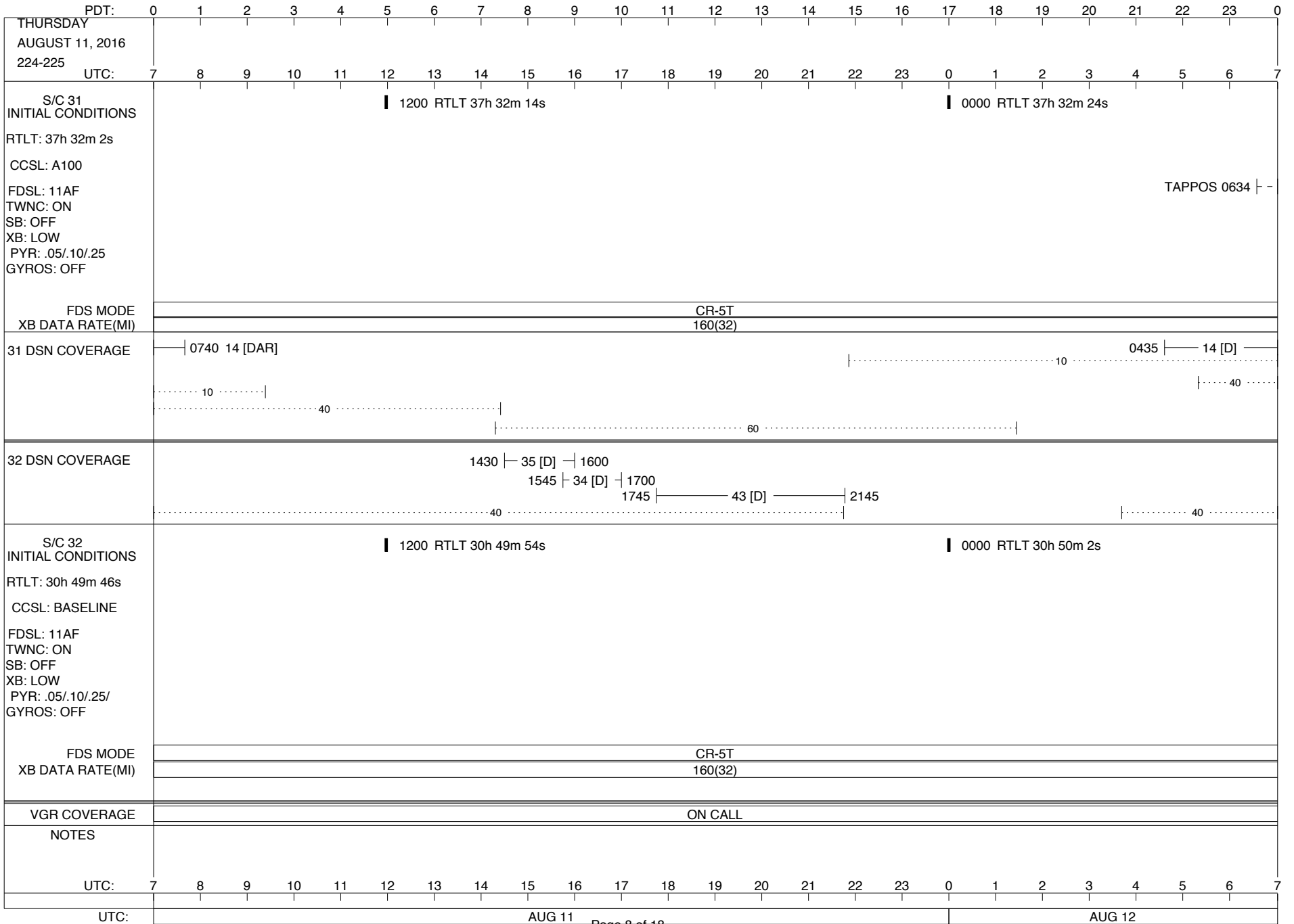


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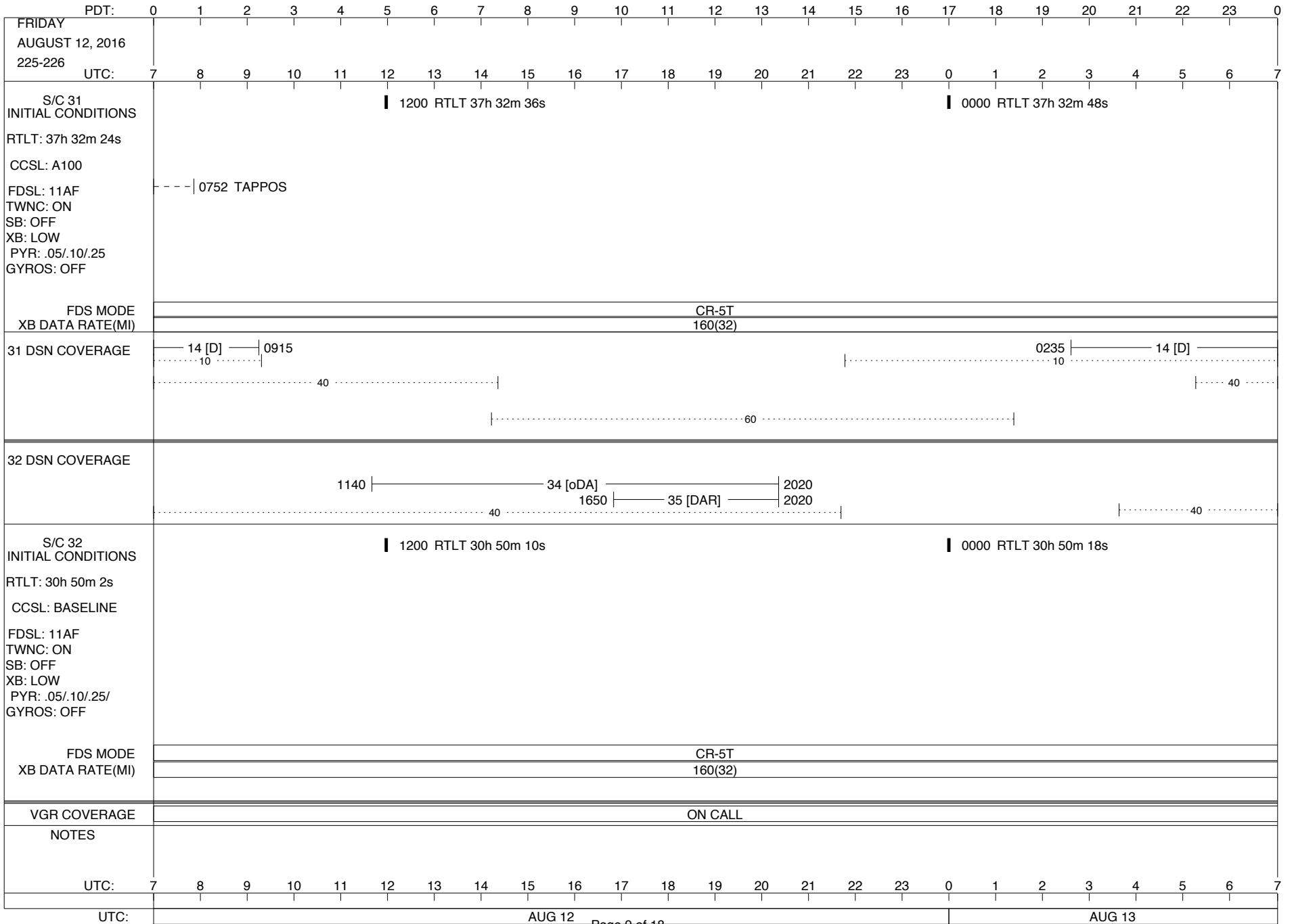
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WEDNESDAY AUGUST 10, 2016 223-224																									
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 31m 40s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 31m 52s												0000 RTLTL 37h 32m 2s												
													↓ 2357 YAW=.05												
													0008 - 0625  ----- PLAYBACK -----												
	----- TLC (SHORT-FORM) -----												D/L -  0000												
	- TAPPOS -   0852												X/B LOW POWER 0629 ↓ BAY 1 HTR ON 0633 ↓ YAW=.10 0635 ↓												
													↓ 0008												
													0625 ↓												
FDS MODE	CR-5T												PB-14												
XB DATA RATE(MI)	160(32)												1.4K(39)												
31 DSN COVERAGE	..... 10 .....												2315  ----- 14 [DAR] -----												
	----- 43 [D] -----  0930												2325 - 0625  ----- 25 [DA] -----												
	..... 40 .....												2325 - 0625  ----- 26 [DA] -----												
	..... 40 .....												..... 10 .....												
	..... 60 .....												..... 40 .....												
32 DSN COVERAGE	1245  ----- 45 [D] -----  1645												1840  ----- 43 [D] -----  2130												
	..... 40 .....												..... 40 .....												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 49m 32s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 49m 40s												0000 RTLTL 30h 49m 46s												
	* 1335     1351 B173 CHKSUM																								
	* 1353     1400 CCSTIM (FINE)																								
	* 1420     1423 CCSTIM (COARSE)																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL						VGR						
NOTES	[1] S/C 31=PB-14 @ 0008 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:	AUG 10												AUG 11												



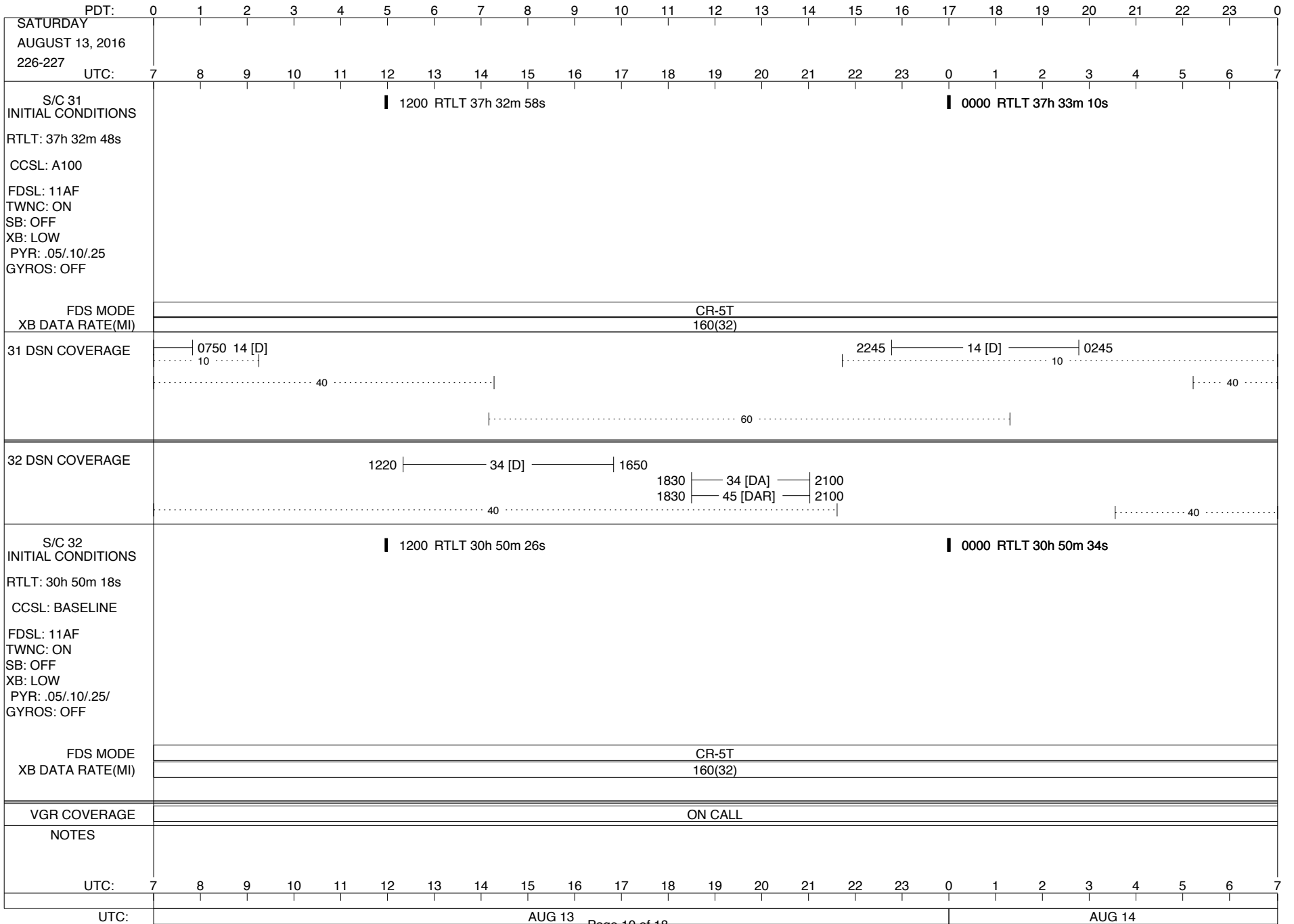
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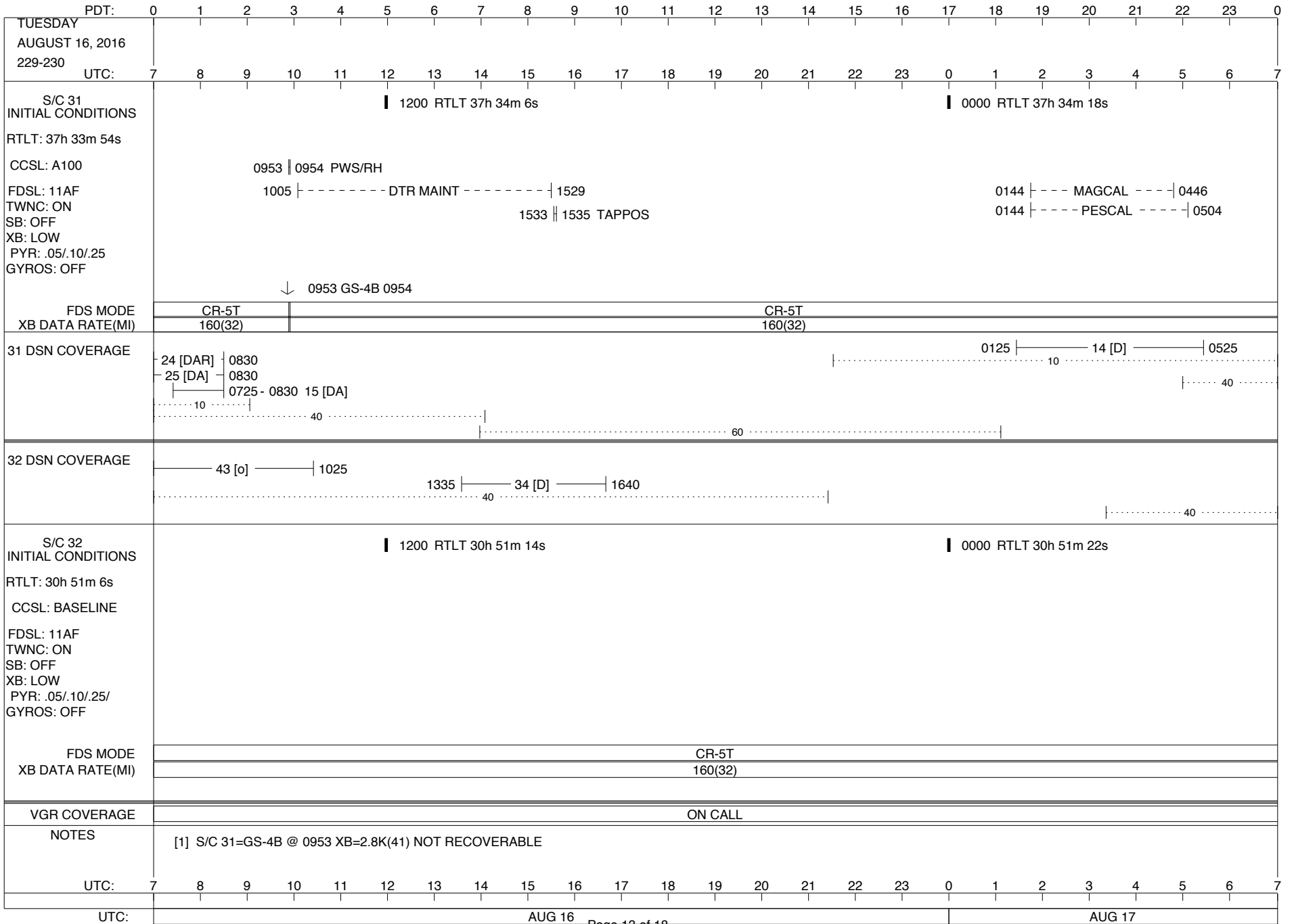
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SUNDAY AUGUST 14, 2016 227-228	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 37h 33m 10s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 33m 20s												0000 RTLT 37h 33m 32s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	..... 10 .....												2335  ----- 14 [D] -----  0355  ----- 10 -----													
	..... 40 .....												----- 40 -----													
	----- 40 -----												----- 60 -----													
32 DSN COVERAGE	0815  ----- 43 [D] -----  1125 1110  ----- 34 [D] -----  1600												----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLT: 30h 50m 34s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 50m 42s												0000 RTLT 30h 50m 50s													
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 14														AUG 15											

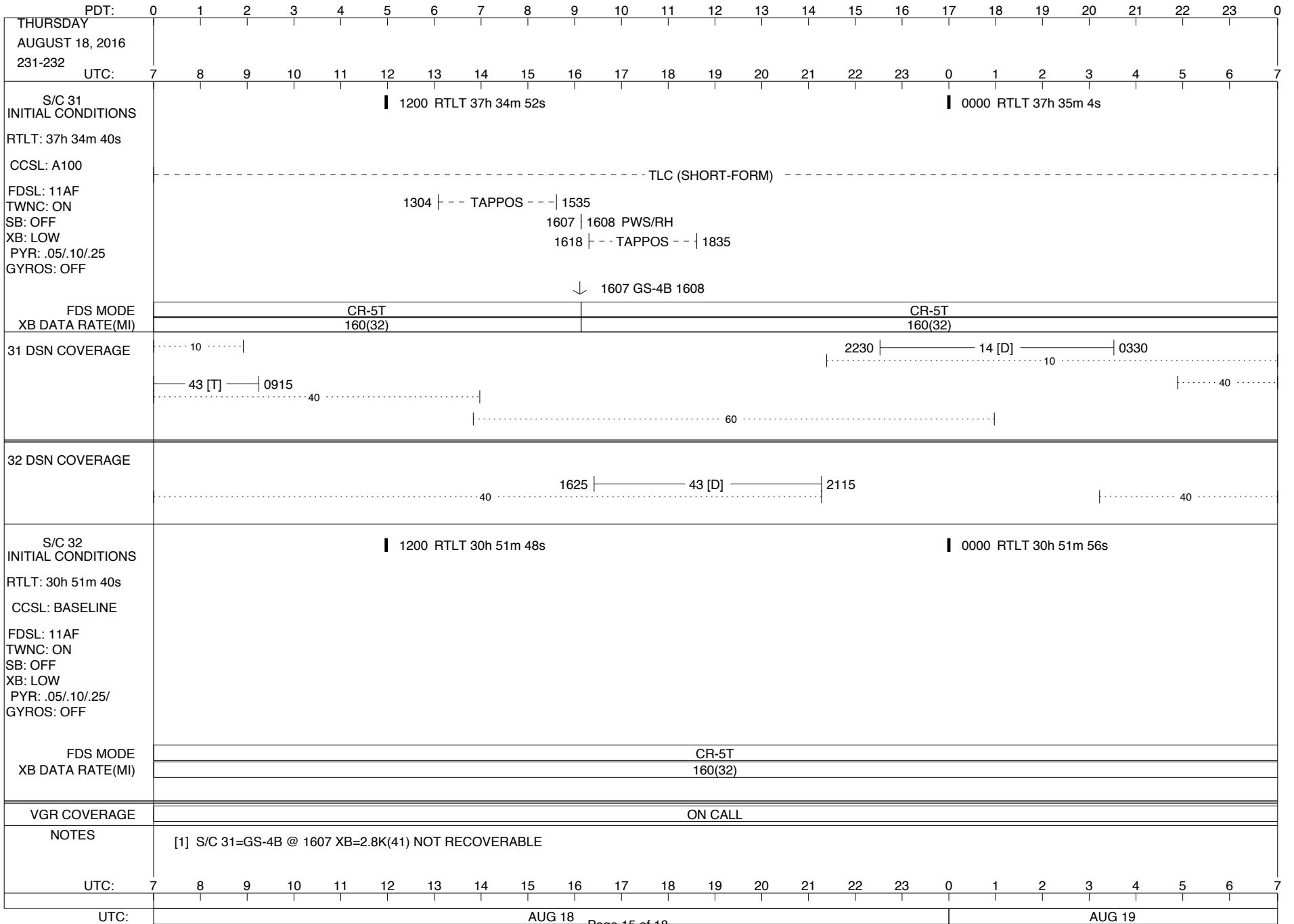
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MONDAY AUGUST 15, 2016 228-229																									
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S/C 31 INITIAL CONDITIONS RTLT: 37h 33m 32s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 37h 33m 44s												█ 0000 RTLT 37h 33m 54s							
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)											
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 30h 50m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 30h 50m 58s													█ 0000 RTLT 30h 51m 6s						
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)											
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:																									

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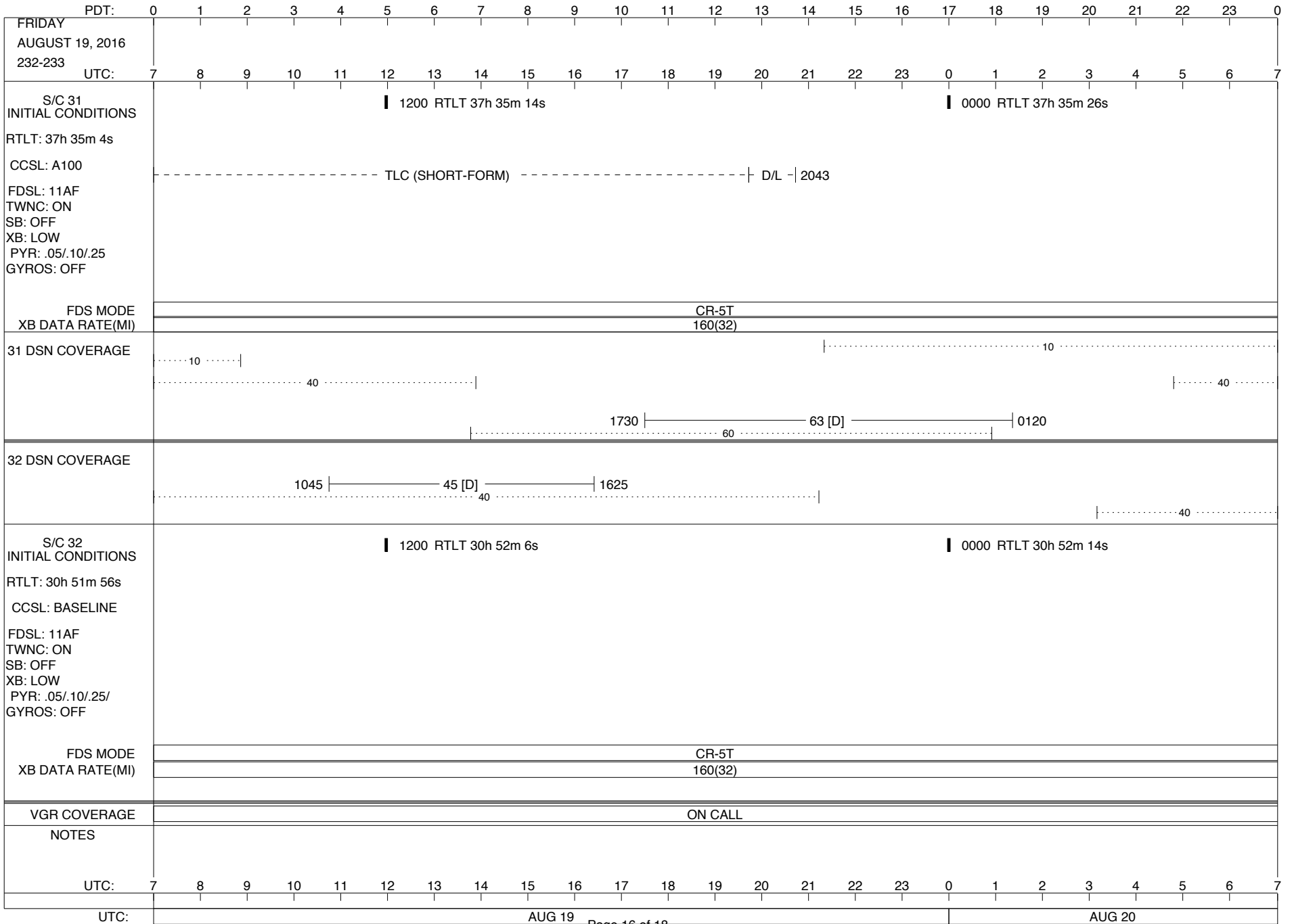


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S/C 31 INITIAL CONDITIONS RTLT: 37h 34m 18s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 37h 34m 28s												█ 0000 RTLT 37h 34m 40s								
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	..... 10 .....												..... 10 .....													
	..... 40 .....												..... 0515   43 [T]													
	..... 60 .....												..... 40 .....													
32 DSN COVERAGE	1300  ----- 45 [DA] -----  2000												..... 40 .....													
	..... 40 .....												1630  ----- 35 [DAR] -----  2000													
S/C 32 INITIAL CONDITIONS RTLT: 30h 51m 22s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 30h 51m 32s												█ 0000 RTLT 30h 51m 40s								
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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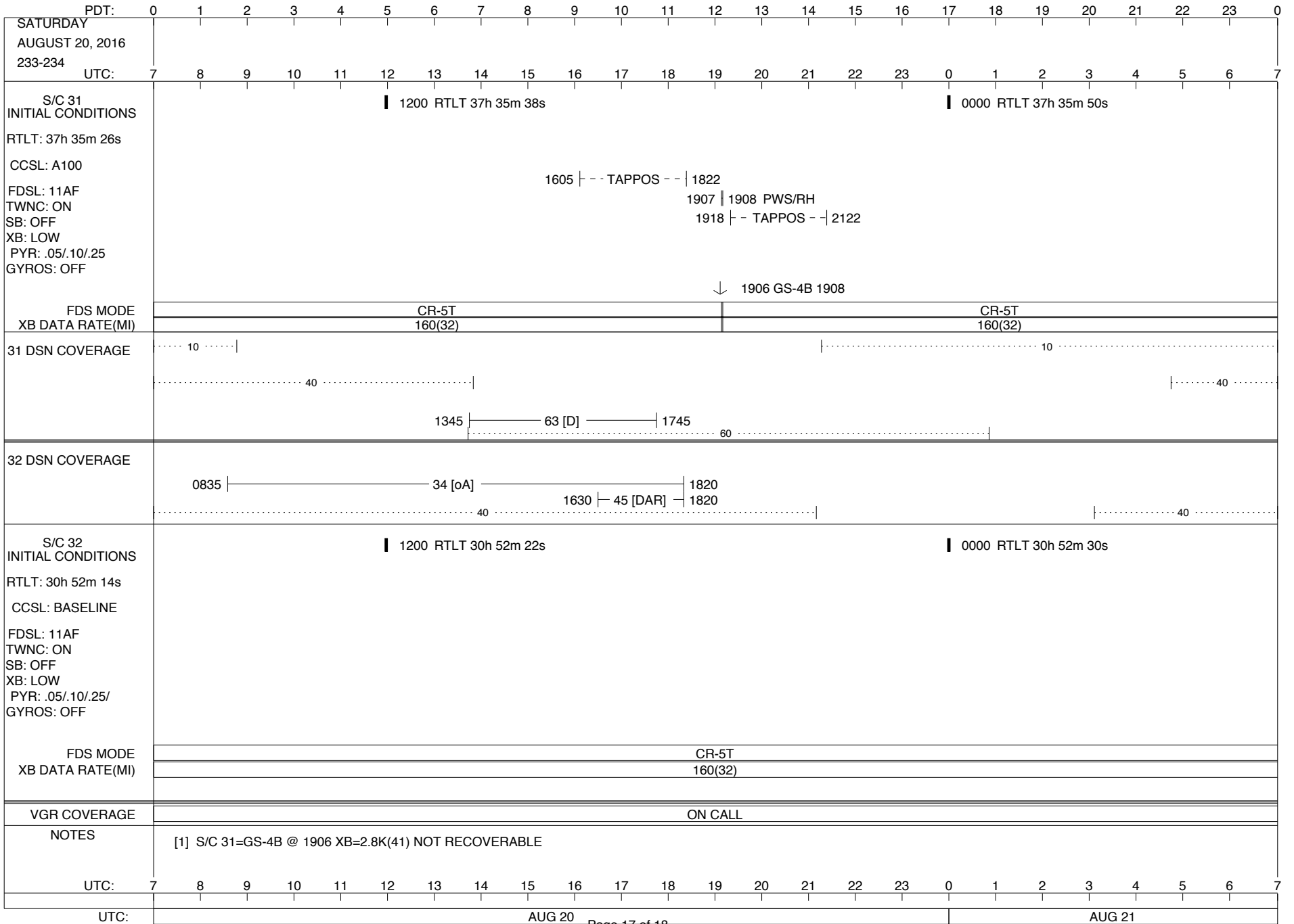




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