

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: August 26, 2016

For the Period: 08/25/16 to 09/11/16 (16-238 – 16-255)

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

**DSOT (1) 230-102**

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 \* Belinda.Arroyo@jpl.nasa.gov  
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**SCIENCE**

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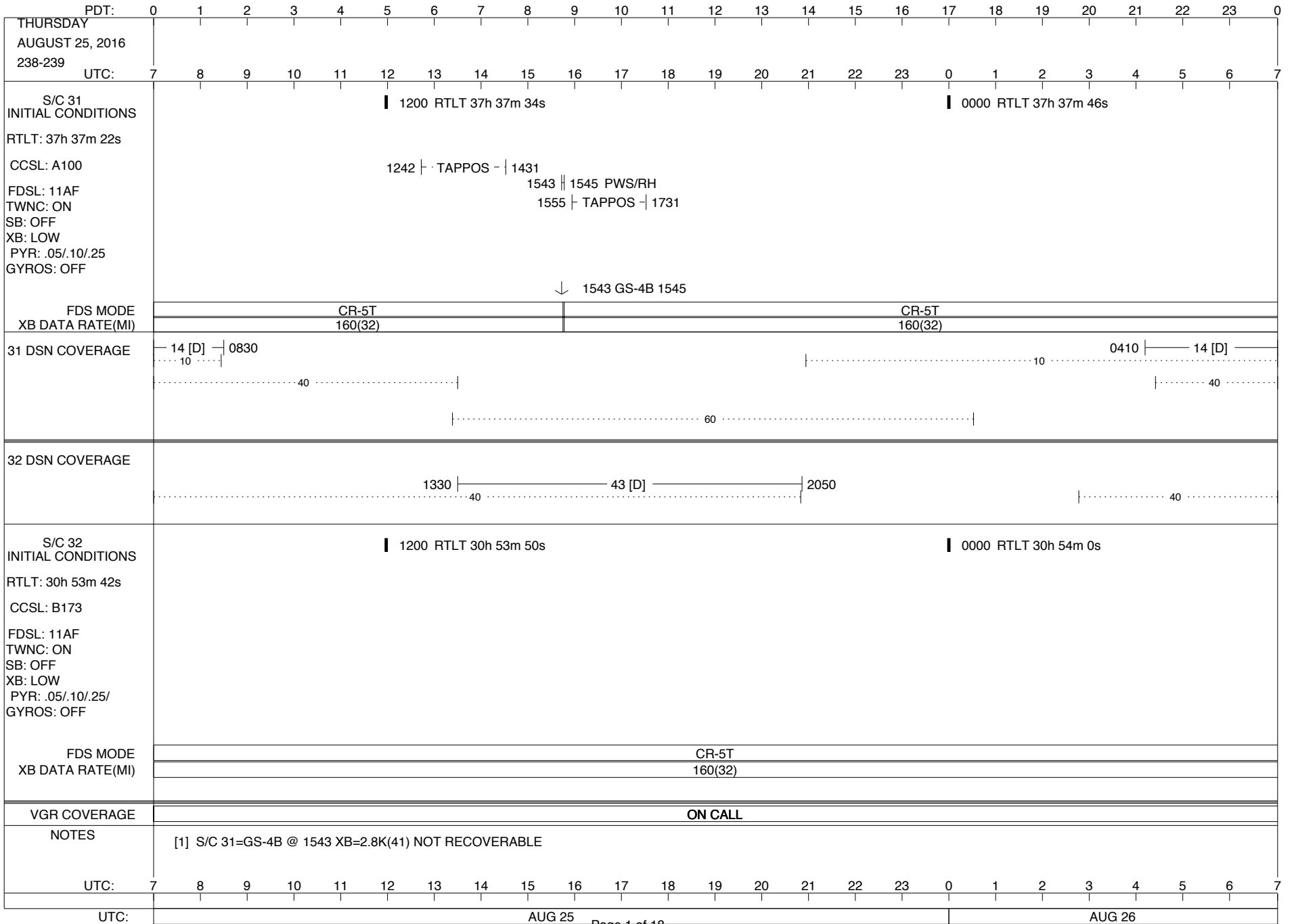
**FLIGHT TEAM (14) 600-100**

Dodd, S.  
 Hall, J.  
 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

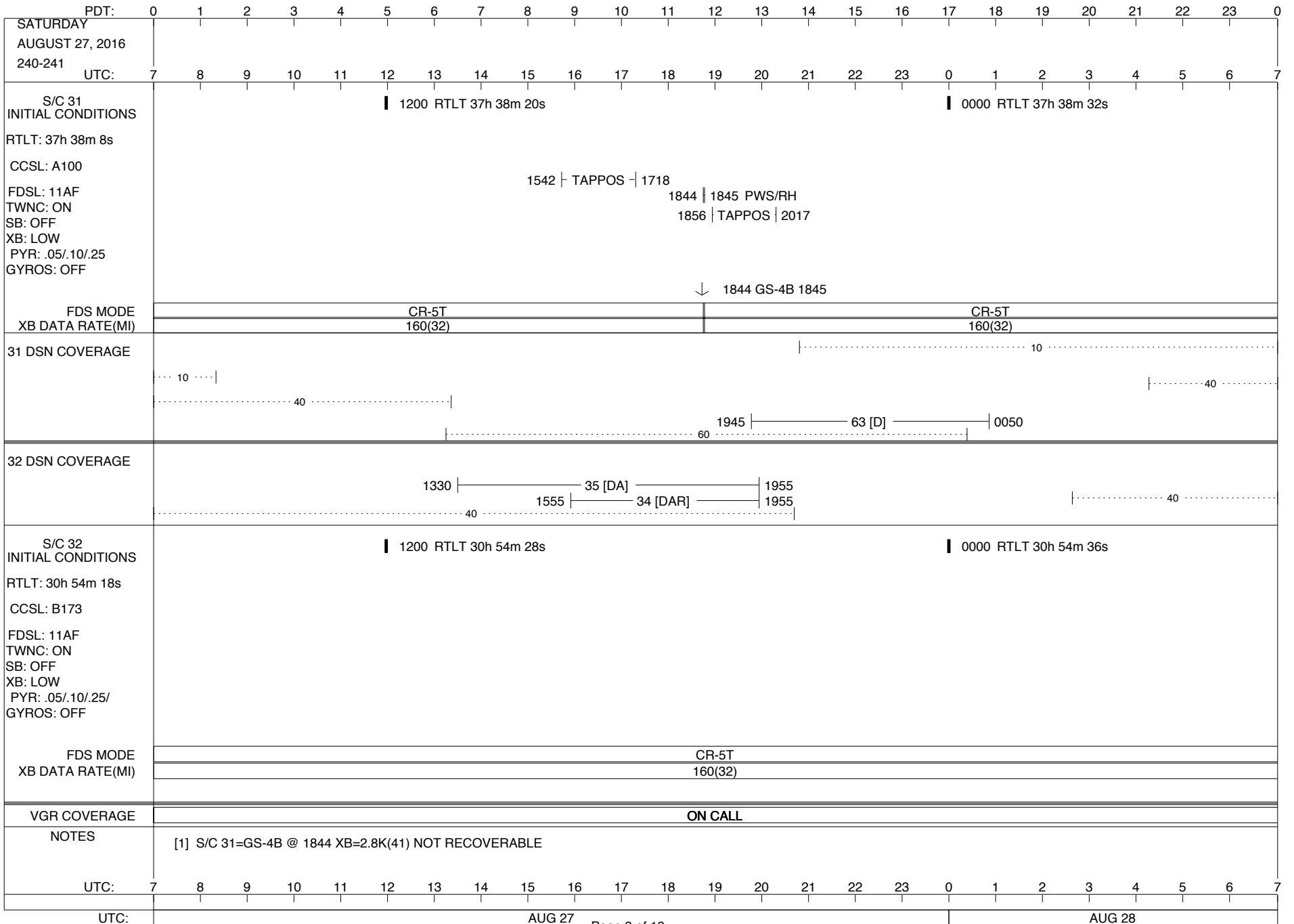
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ISSUE DATE: 08/30/16 03:54

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S/C 31 INITIAL CONDITIONS RTLTL: 37h 37m 46s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 37m 58s												0000 RTLTL 37h 38m 8s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	14 [D]   0825 .....10 .....												2215   15 [DAR]   0505 2215   26 [DA]   0505 .....10 .....															
32 DSN COVERAGE	34 [o]   0730 - 1340 .....40 .....												1450   45 [D]   1600 .....40 .....															
S/C 32 INITIAL CONDITIONS RTLTL: 30h 54m 0s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 54m 10s												0000 RTLTL 30h 54m 18s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE													ON CALL															
NOTES																												
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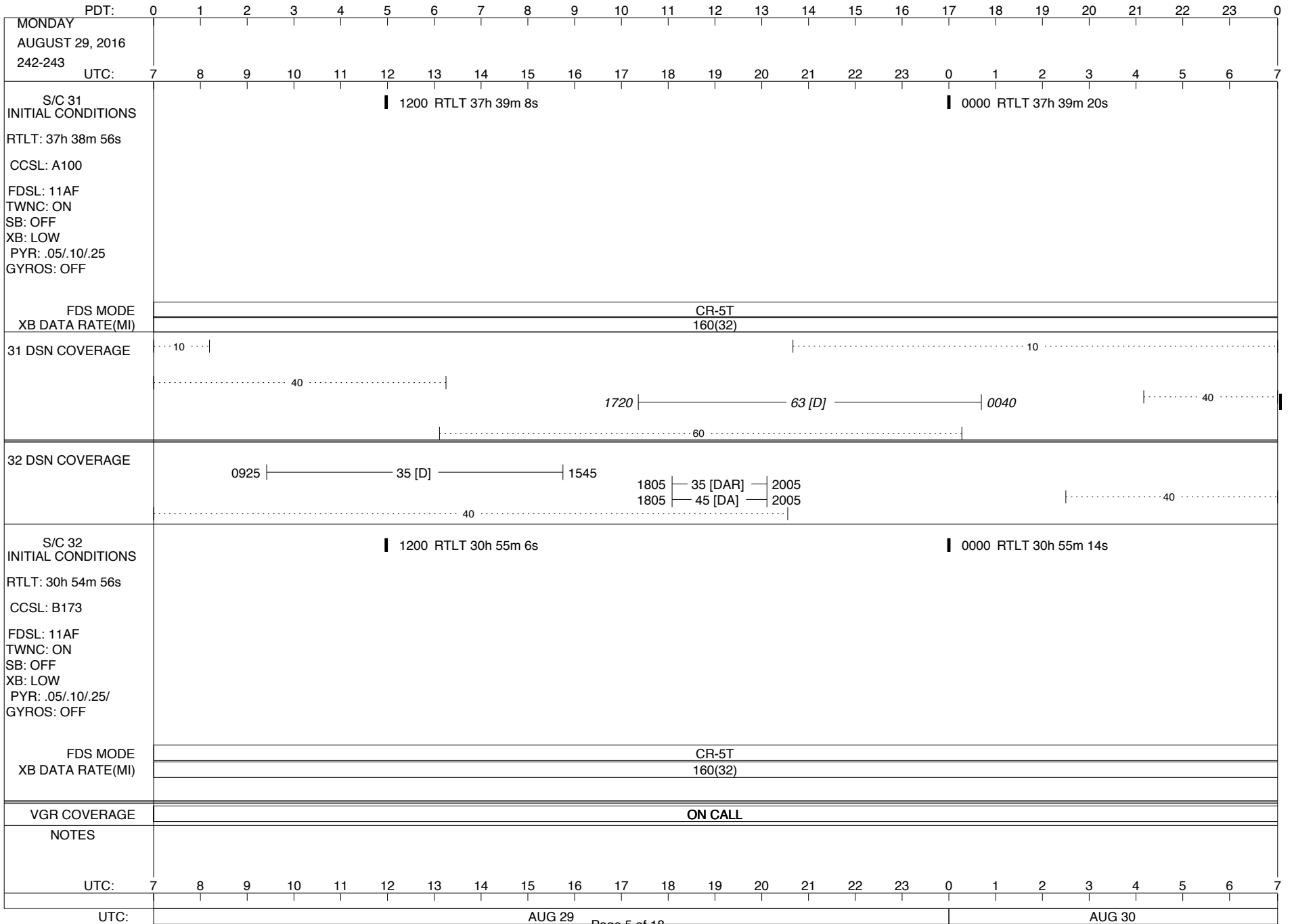
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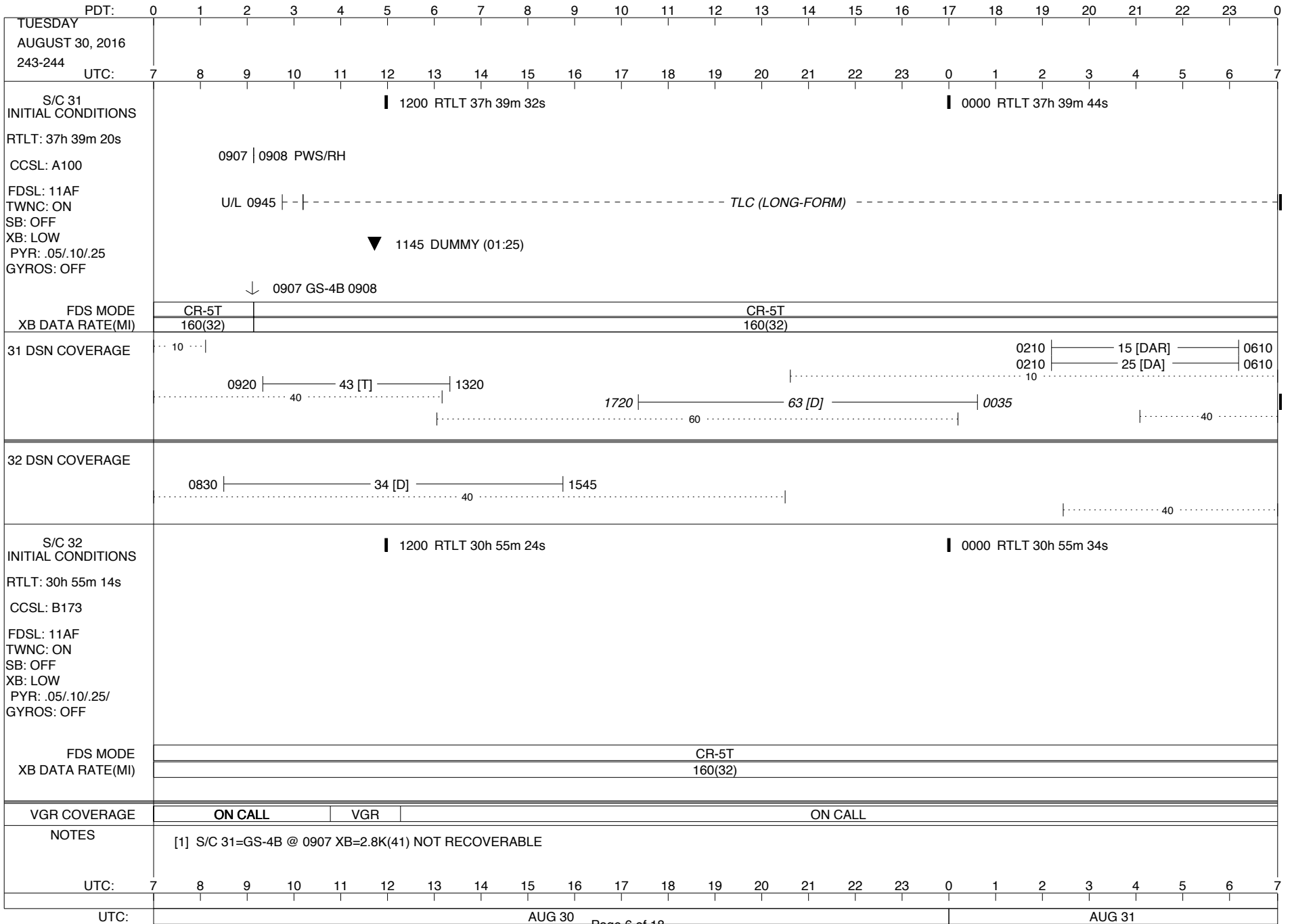
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 38m 32s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 38m 44s												0000 RTLTL 37h 38m 56s														
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE	-----10-----												-----10-----														
	-----40-----												-----40-----														
	-----45 [D]-----												-----63 [D]-----														
	-----0720 - 1550-----												-----0045-----														
32 DSN COVERAGE	-----40-----												-----40-----														
S/C 32 INITIAL CONDITIONS RTLTL: 30h 54m 36s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 54m 46s												0000 RTLTL 30h 54m 56s														
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
VGR COVERAGE													ON CALL														
NOTES																											
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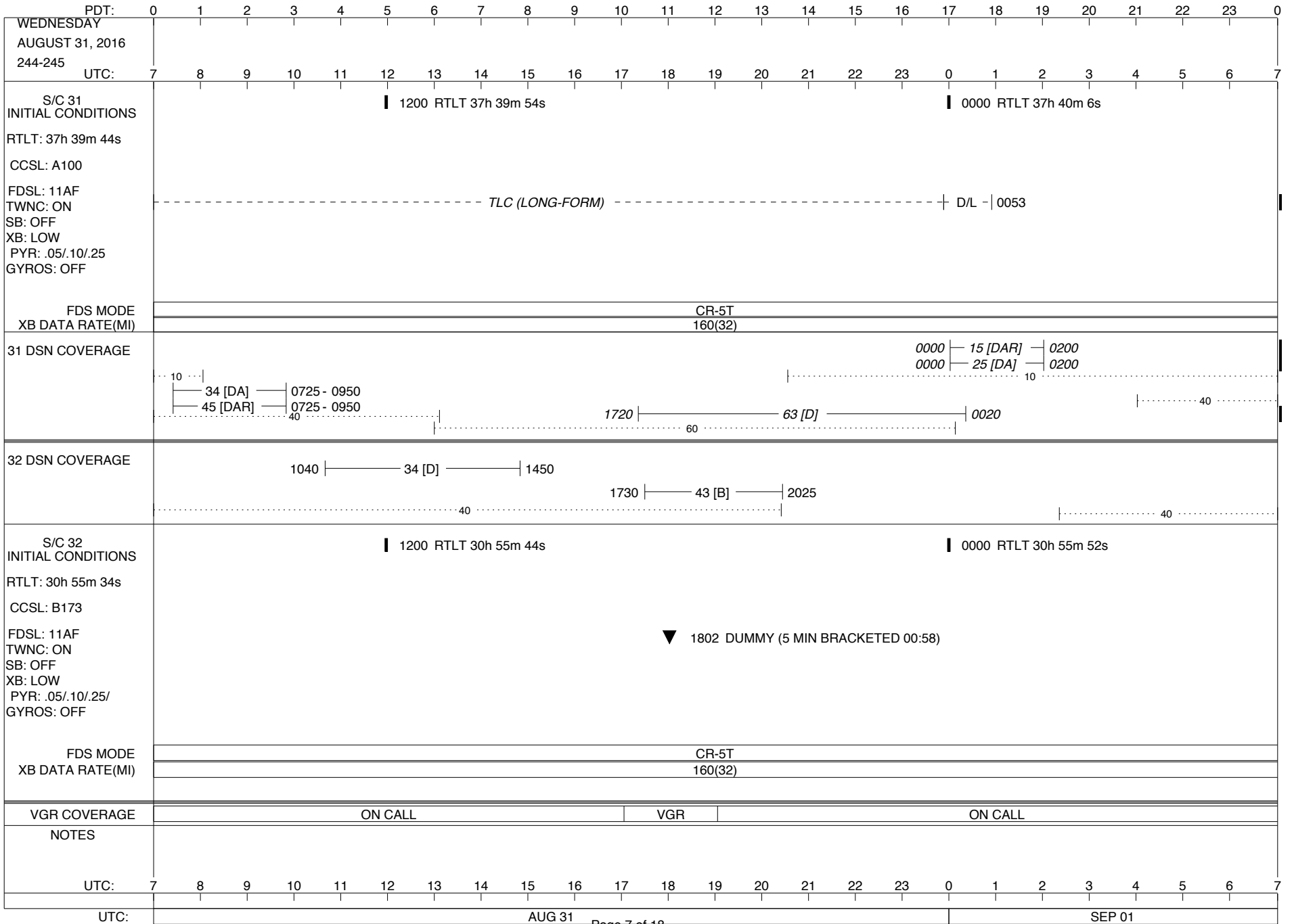
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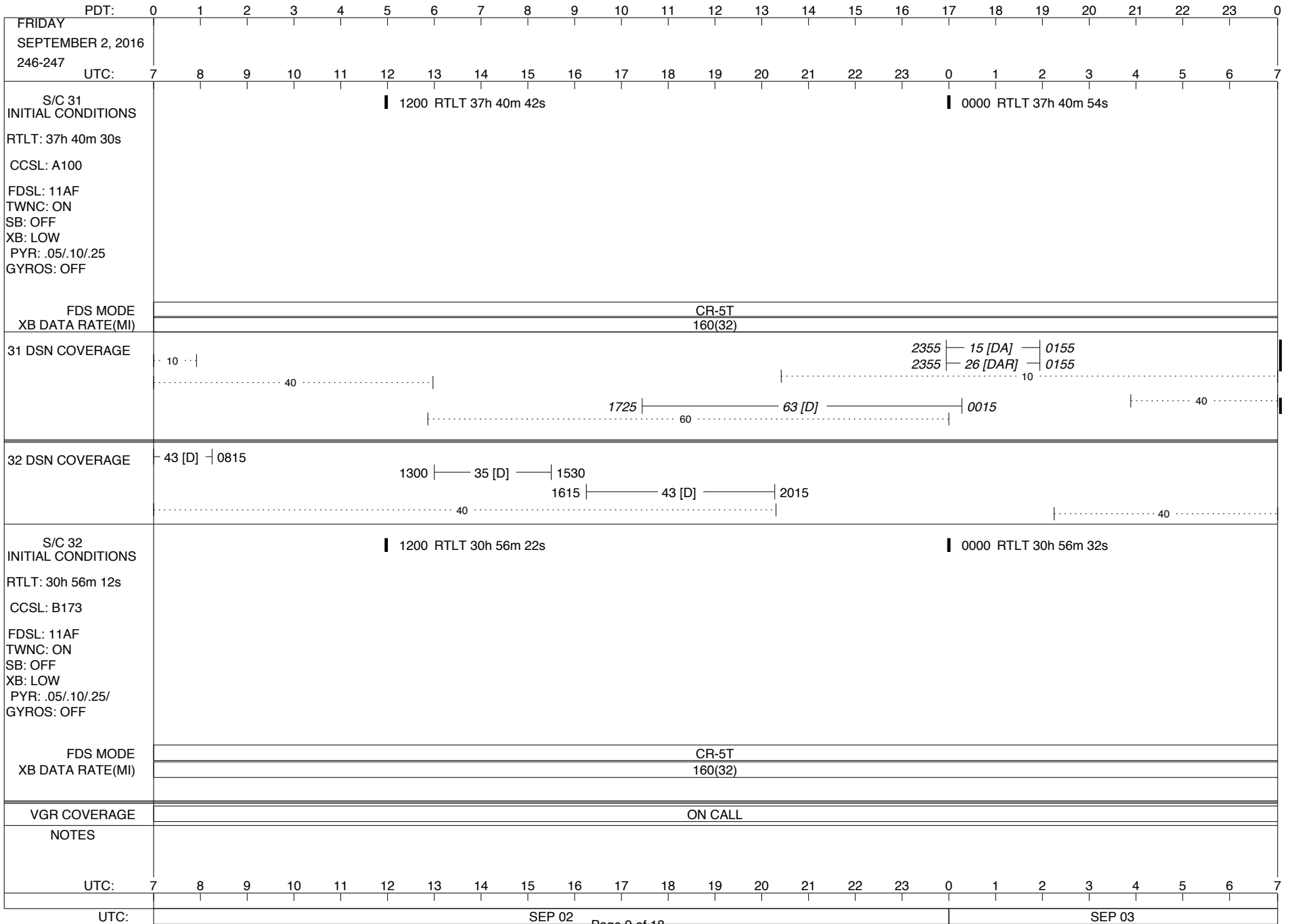
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PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0	
THURSDAY SEPTEMBER 1, 2016 245-246	
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7	
S/C 31 INITIAL CONDITIONS RTLTL: 37h 40m 6s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLTL 37h 40m 18s</p> <p>0000 RTLTL 37h 40m 30s</p> <p>1219  -----  1327 TAPPOS 1521   1522 PWS/RH 1533  -----  1627 TAPPOS</p> <p>↓ 1521 GS-4B 1522</p>
FDS MODE XB DATA RATE(MI)	<p>CR-5T 160(32)</p> <p>CR-5T 160(32)</p>
31 DSN COVERAGE	<p>2230  -----  14 [D] -----  0240</p> <p>10  -----  40</p> <p>1725  -----  63 [D] -----  2250</p> <p>60</p>
32 DSN COVERAGE	<p>0810  -----  34 [D] -----  1535</p> <p>1755   34 [DA]   1950 1755   45 [DAR]   1950</p> <p>0530   43 [D]  </p> <p>40</p>
S/C 32 INITIAL CONDITIONS RTLTL: 30h 55m 52s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<p>1200 RTLTL 30h 56m 2s</p> <p>0000 RTLTL 30h 56m 12s</p>
FDS MODE XB DATA RATE(MI)	<p>CR-5T 160(32)</p>
VGR COVERAGE	ON CALL
NOTES	[1] S/C 31=GS-4B @ 1521 XB=2.8K(41) NOT RECOVERABLE
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UTC: SEP 01 SEP 02	

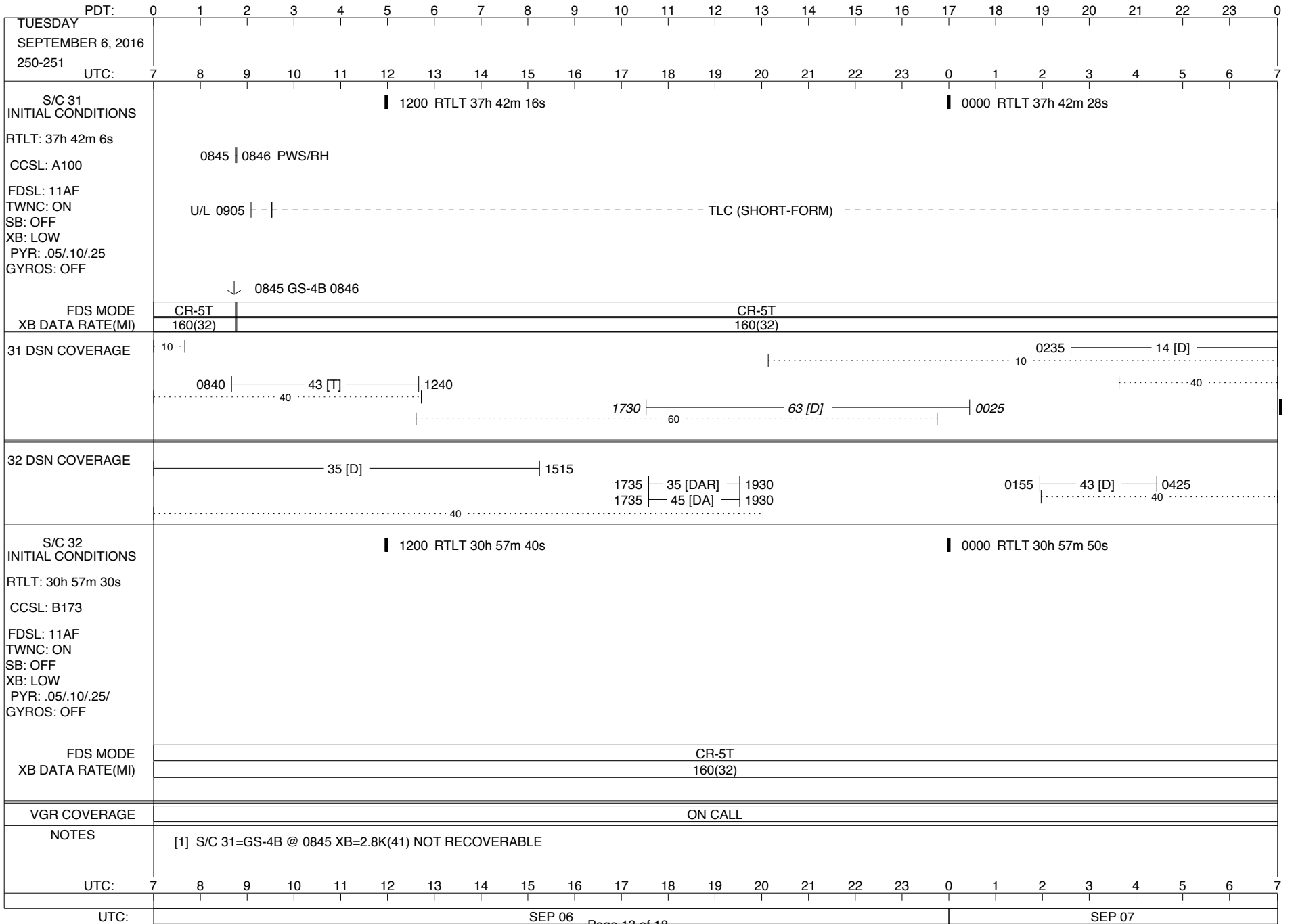


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SATURDAY SEPTEMBER 3, 2016 247-248	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 37h 40m 54s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 41m 6s												0000 RTLTL 37h 41m 18s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	10   40   1725   60   63 [D]   0020												0020   14 [D]   0135   10   40												
32 DSN COVERAGE	0855   34 [o]   1525												1745   34 [DAR]   1945 1745   45 [DA]   1945   40   0655												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 56m 32s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 56m 42s												0000 RTLTL 30h 56m 52s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 1821 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:	SEP 03												SEP 04												

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 SEPTEMBER 4, 2016 248-249																										
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: 37h 41m 18s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 41m 30s												0000 RTLTL 37h 41m 42s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE	10 ..												.....10													
	.....40												.....0535   43 [D]													
	.....1730   63 [D]   0015												.....40													
	.....45 [D]   1525												.....1700   43 [D]   2010													
	.....40												.....40													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 56m 52s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 57m 0s												0000 RTLTL 30h 57m 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:	SEP 04													SEP 05												

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 SEPTEMBER 5, 2016 249-250																												
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: 37h 41m 42s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 41m 54s												0000 RTLTL 37h 42m 6s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE	10												..... 10															
	43 [D]   0935				..... 40				1730   60				63 [D]   0010				..... 40											
32 DSN COVERAGE	0950   35 [D]   1520				..... 40				1740   34 [DAR]   1935				1740   45 [DA]   1935				..... 40											
S/C 32 INITIAL CONDITIONS RTLTL: 30h 57m 10s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 57m 20s												0000 RTLTL 30h 57m 30s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL																											
NOTES	<b>JPL HOLIDAY!</b>																											
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UTC:	SEP 05														SEP 06													



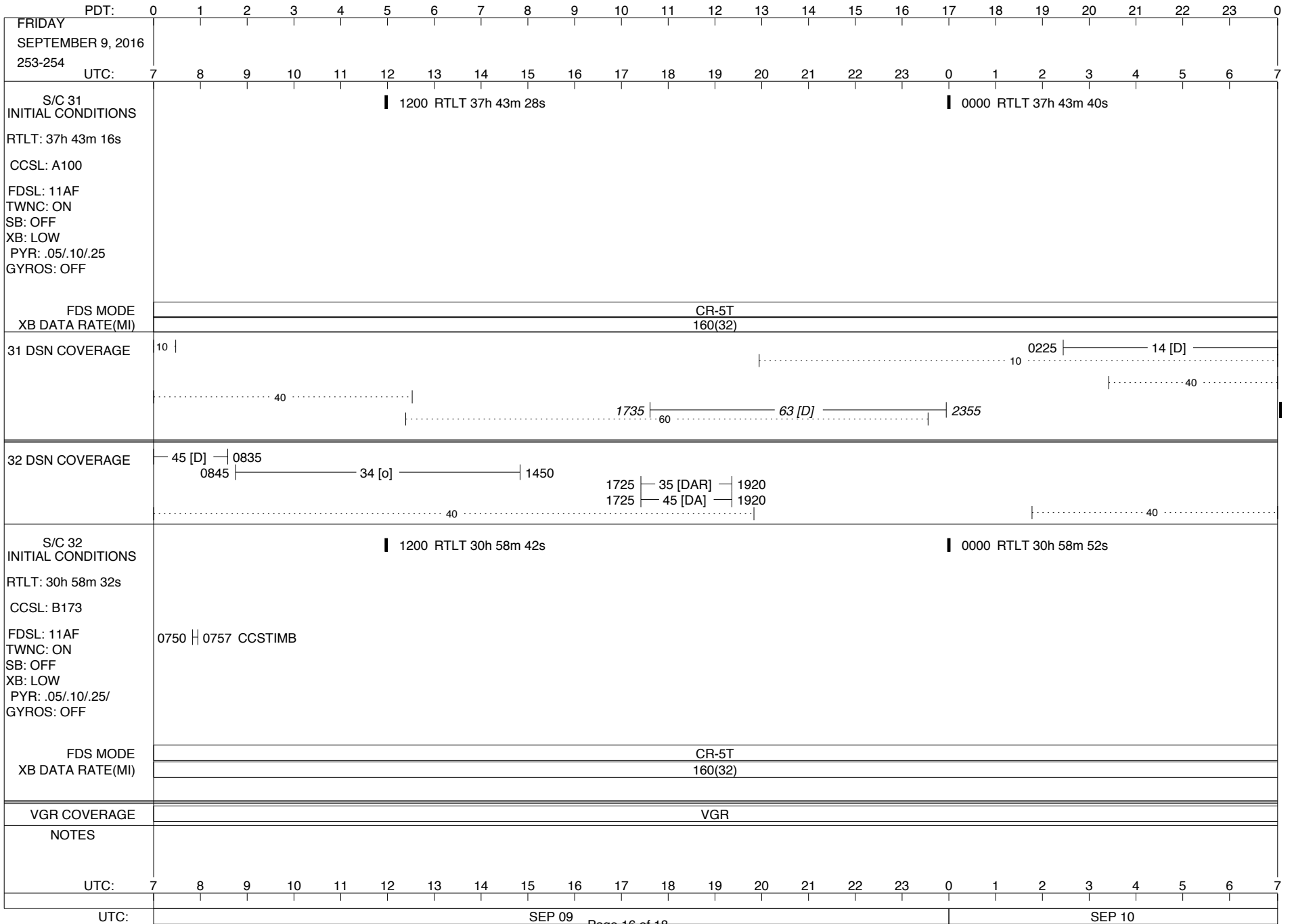
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WEDNESDAY SEPTEMBER 7, 2016 251-252																												
S/C 31 INITIAL CONDITIONS RTLTL: 37h 42m 28s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 42m 40s												0000 RTLT 37h 42m 52s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 57m 50s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 58m 0s												0000 RTLT 30h 58m 10s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE	ON CALL												VGR						VGR									
NOTES	<p style="text-align: center;">▼ 1632 DUMMY (5 MIN BRACKETED 23:31)</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:	SEP 07														SEP 08													

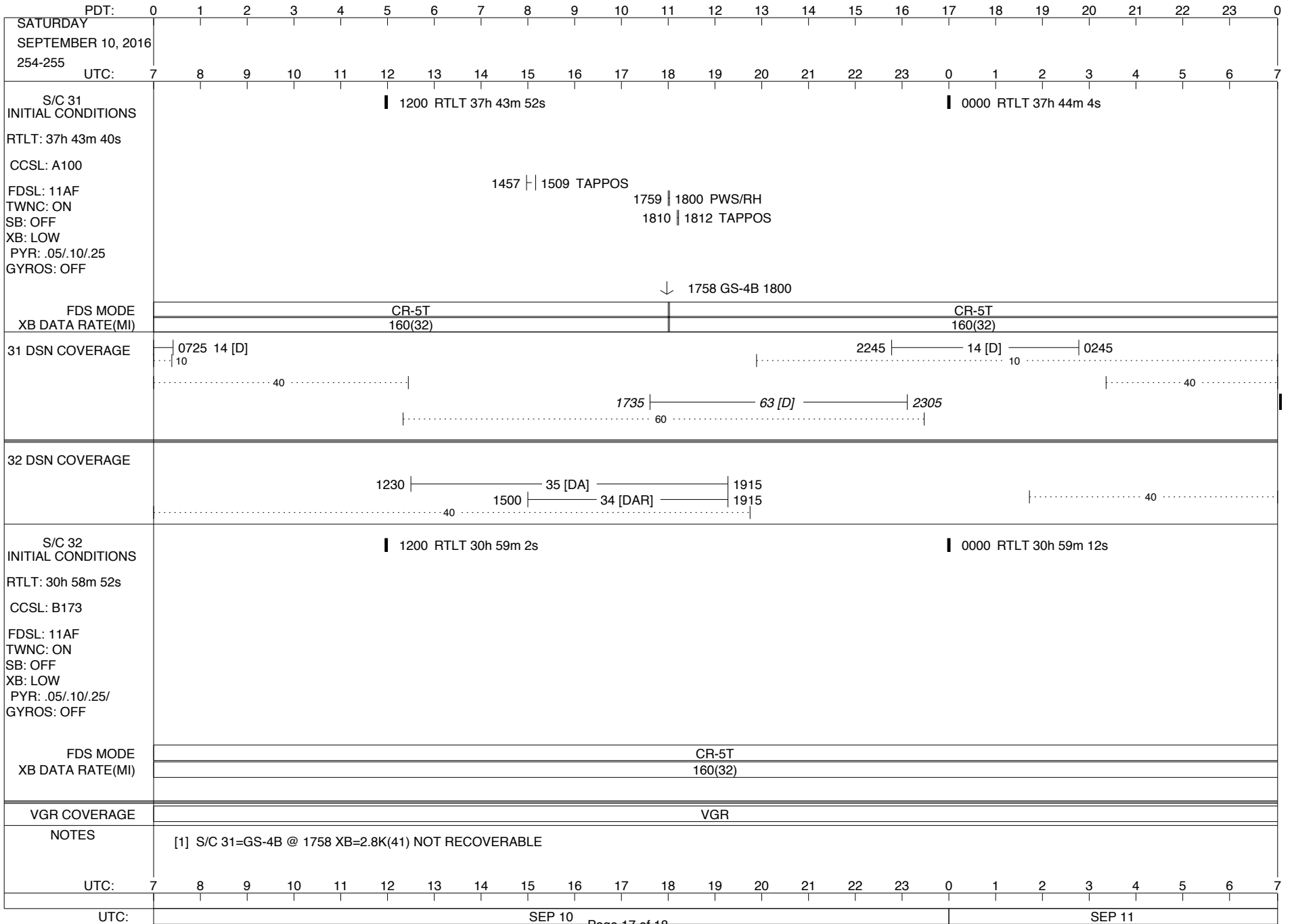
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THURSDAY SEPTEMBER 8, 2016 252-253																									
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 42m 52s CCSL: A100 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 43m 4s 1156   -   1223 TAPPOS 1459   1500 PWS/RH 1510   -   1523 TAPPOS ↓ 1458 GS-4B 1500											0000 RTLTL 37h 43m 16s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)											CR-5T 160(32)													
31 DSN COVERAGE	10   ..... 40 ..... ..... 1735   ..... 63 [D] ..... 0000 ..... 40 .....											..... 10 ..... ..... 40 .....													
32 DSN COVERAGE	..... 34 [D] ..... 1235 ..... ..... 40 .....											..... 45 [D] 0650   ..... ..... 40 .....													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 58m 10s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 58m 22s											0000 RTLTL 30h 58m 32s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	VGR																								
NOTES	[1] S/C 31=GS-4B @ 1458 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:	SEP 08													SEP 09											





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