

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: September 18, 2008

For the Period: 09/18/08 to 10/06/08 (08-262 – 08-280)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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- \*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
- \* Peter.T.Poon@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

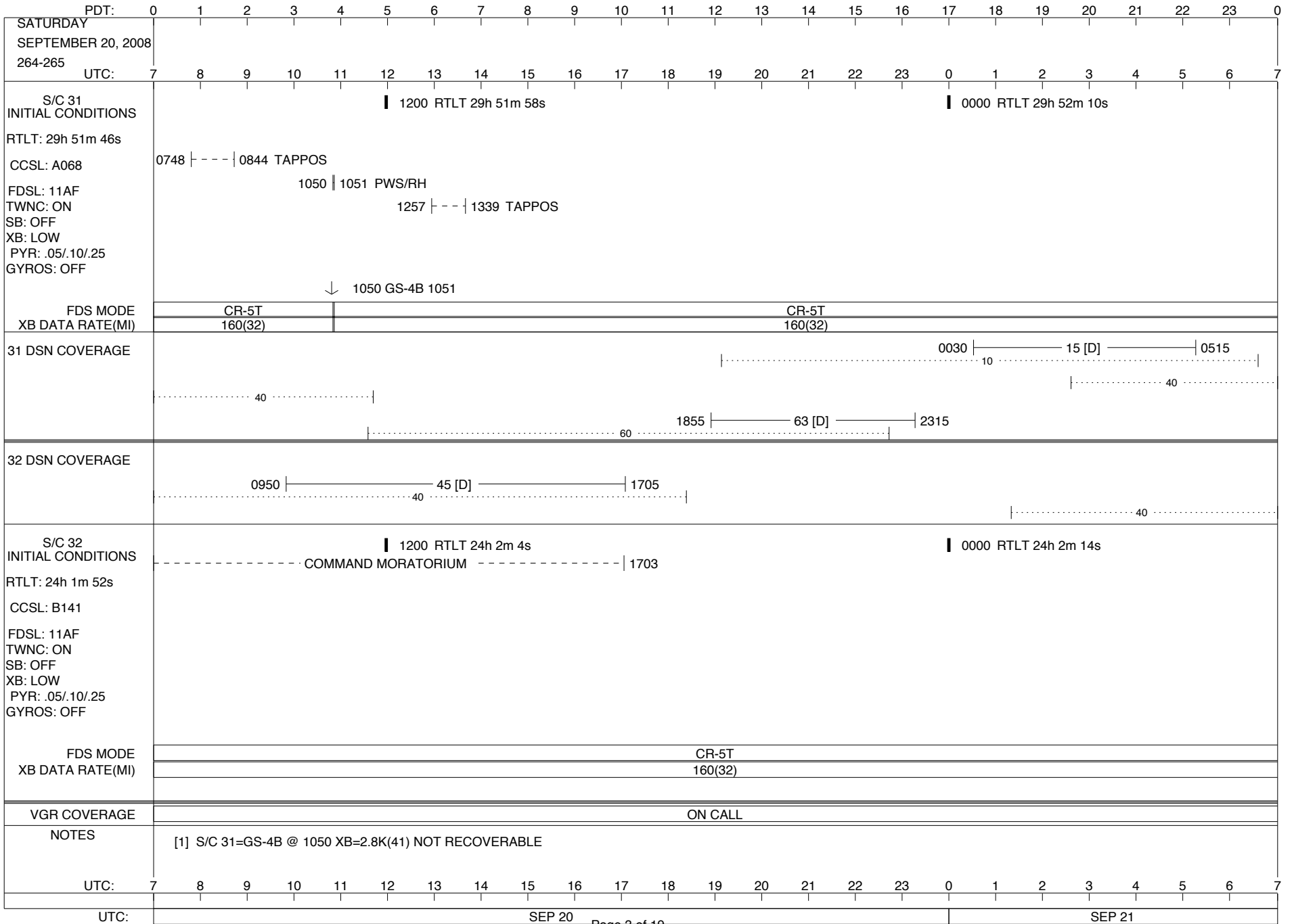
\*Electronic Copy Only  
(17 – Dist/N: Paper Copies)  
02/21/08

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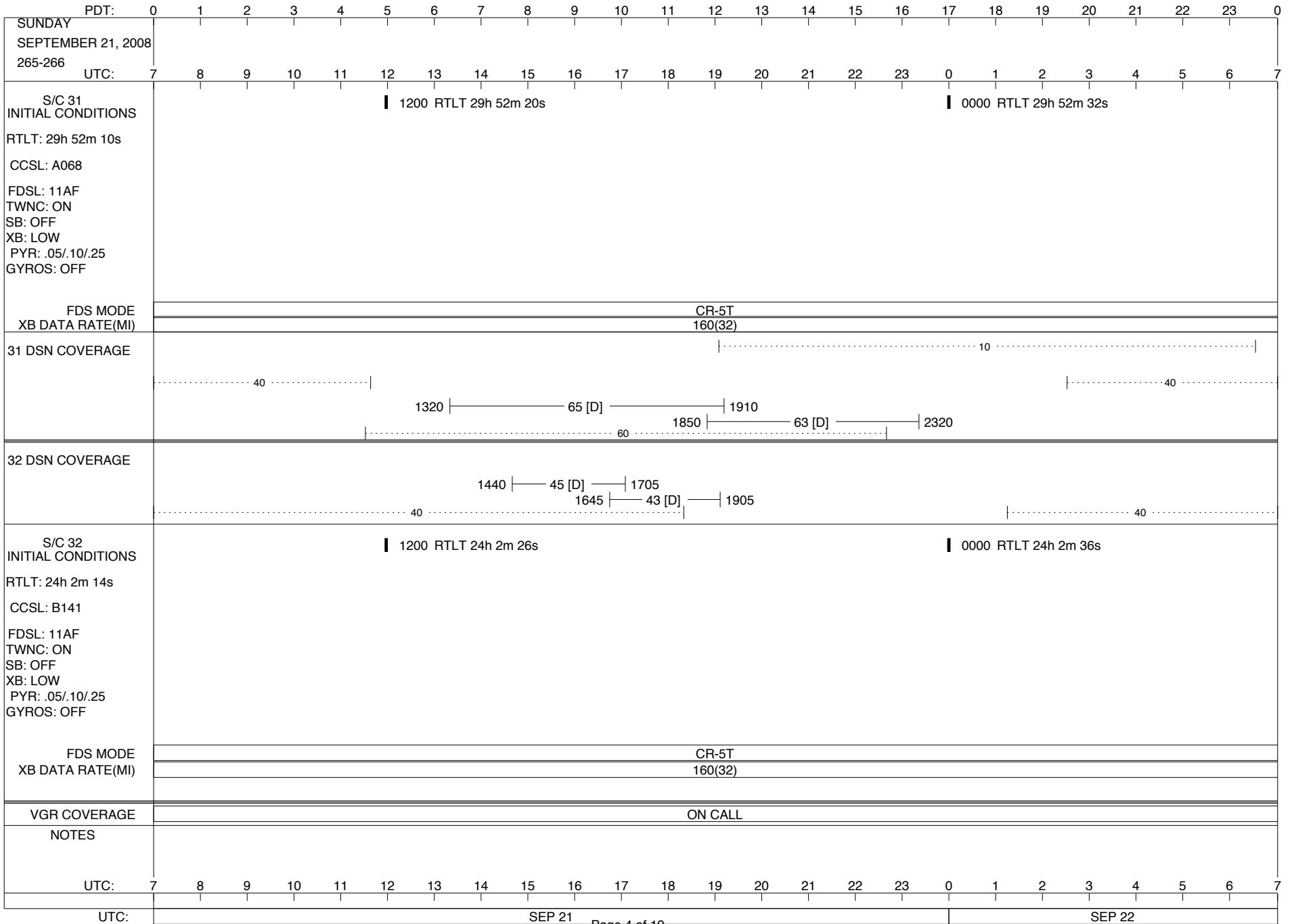
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S/C 31 INITIAL CONDITIONS RTLTL: 29h 51m 0s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200																			
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 24h 1m 8s CCSL: B141 FDSL: 11AF TWNC: ON SB: OFF XB: HI 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
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FRIDAY SEPTEMBER 19, 2008 263-264																													
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S/C 31 INITIAL CONDITIONS RTLT: 29h 51m 22s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 29h 51m 34s														0000 RTLT 29h 51m 46s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
31 DSN COVERAGE		<p>Timeline for 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> <li>0410 - 0410 (14 [D])</li> <li>0405 - 0650 (10)</li> <li>2330 - 25 [D]</li> <li>1740 - 2130 (65 [D])</li> <li>1740 - 1740 (60)</li> <li>40 - 40</li> <li>40 - 40</li> </ul>																											
32 DSN COVERAGE		<p>Timeline for 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> <li>0940 - 1755 (45 [D])</li> <li>1455 - 1555 43 [3D]</li> <li>40 - 40</li> <li>40 - 40</li> </ul>																											
S/C 32 INITIAL CONDITIONS RTLT: 24h 1m 30s CCSL: B141 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 24h 1m 40s														0000 RTLT 24h 1m 52s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)													
VGR COVERAGE		ON CALL							VGR							ON CALL													
NOTES		<p>[3] 70M BACKUP FOR 34M EL-40 ACQUISITION                      [1] S/C 32=EL-40 @ 1441 XB=40(30)                      [2] S/C 32=CR-5T @ 1521 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:		SEP 19														SEP 20													

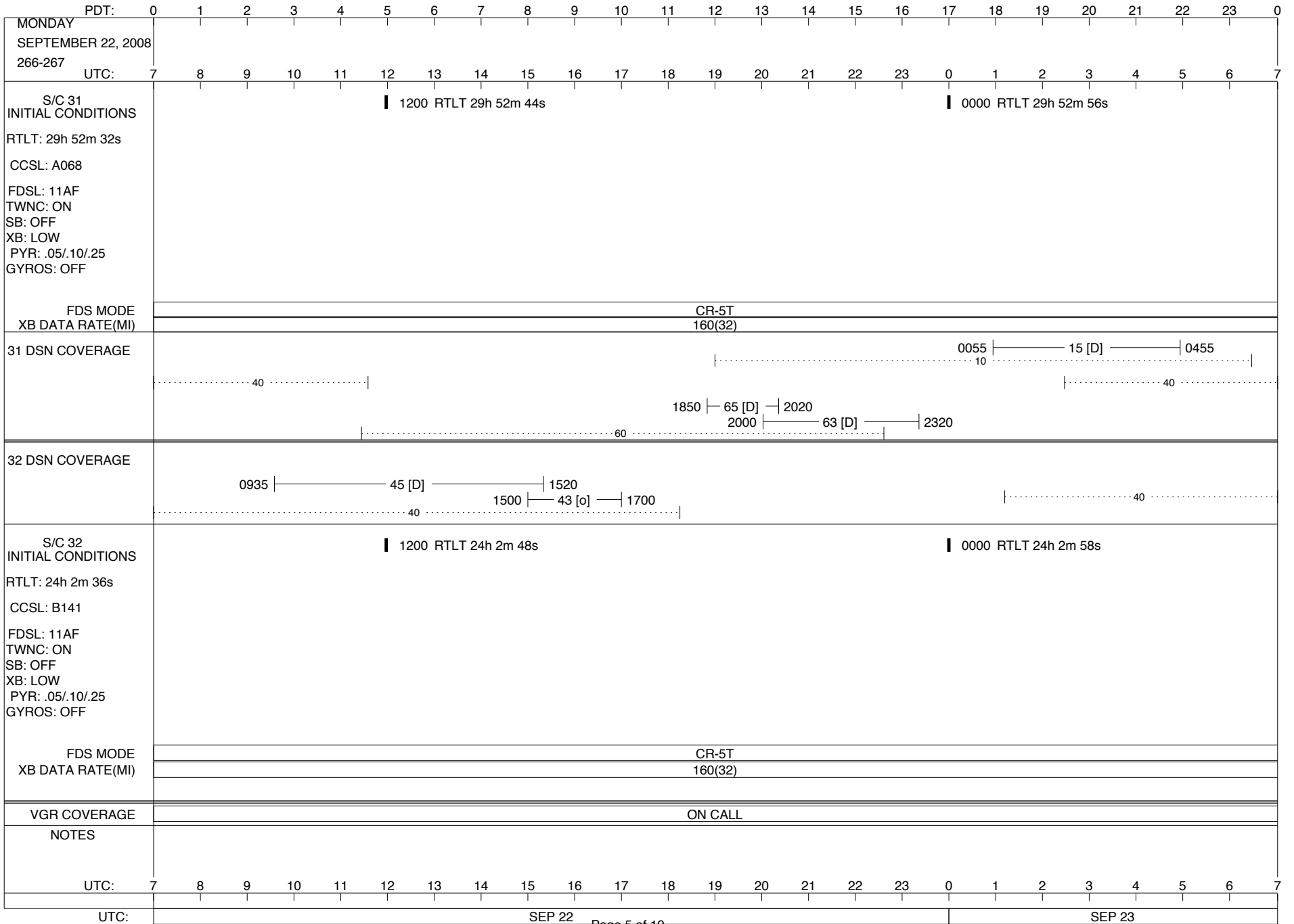
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TUESDAY SEPTEMBER 23, 2008 267-268																									
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S/C 31 INITIAL CONDITIONS RTLT: 29h 52m 56s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200 RTLT 29h 53m 8s												0000 RTLT 29h 53m 18s							
FDS MODE	CR-5T											CR-5T													
XB DATA RATE(MI)	160(32)											160(32)													
31 DSN COVERAGE	<p>Timeline for 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> <li>0427 GS-4B 0428 ↓</li> <li>2330   26 [D]   0200</li> <li>0140   15 [D]   0430</li> <li>0410 - 0640   14 [D]  </li> <li>2010   63 [D]   2315</li> <li>40 (dotted line)</li> <li>10 (dotted line)</li> <li>40 (dotted line)</li> <li>60 (dotted line)</li> </ul>																								
32 DSN COVERAGE	<p>Timeline for 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> <li>0935   45 [D]   1740</li> <li>43 [D] 0620  </li> <li>40 (dotted line)</li> <li>40 (dotted line)</li> </ul>																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 2m 58s CCSL: B141 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200 RTLT 24h 3m 10s												0000 RTLT 24h 3m 22s							
FDS MODE	CR-5T											CR-5T													
XB DATA RATE(MI)	160(32)											160(32)													
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0427 XB=2.8K(41) NOT RECOVERABLE																								
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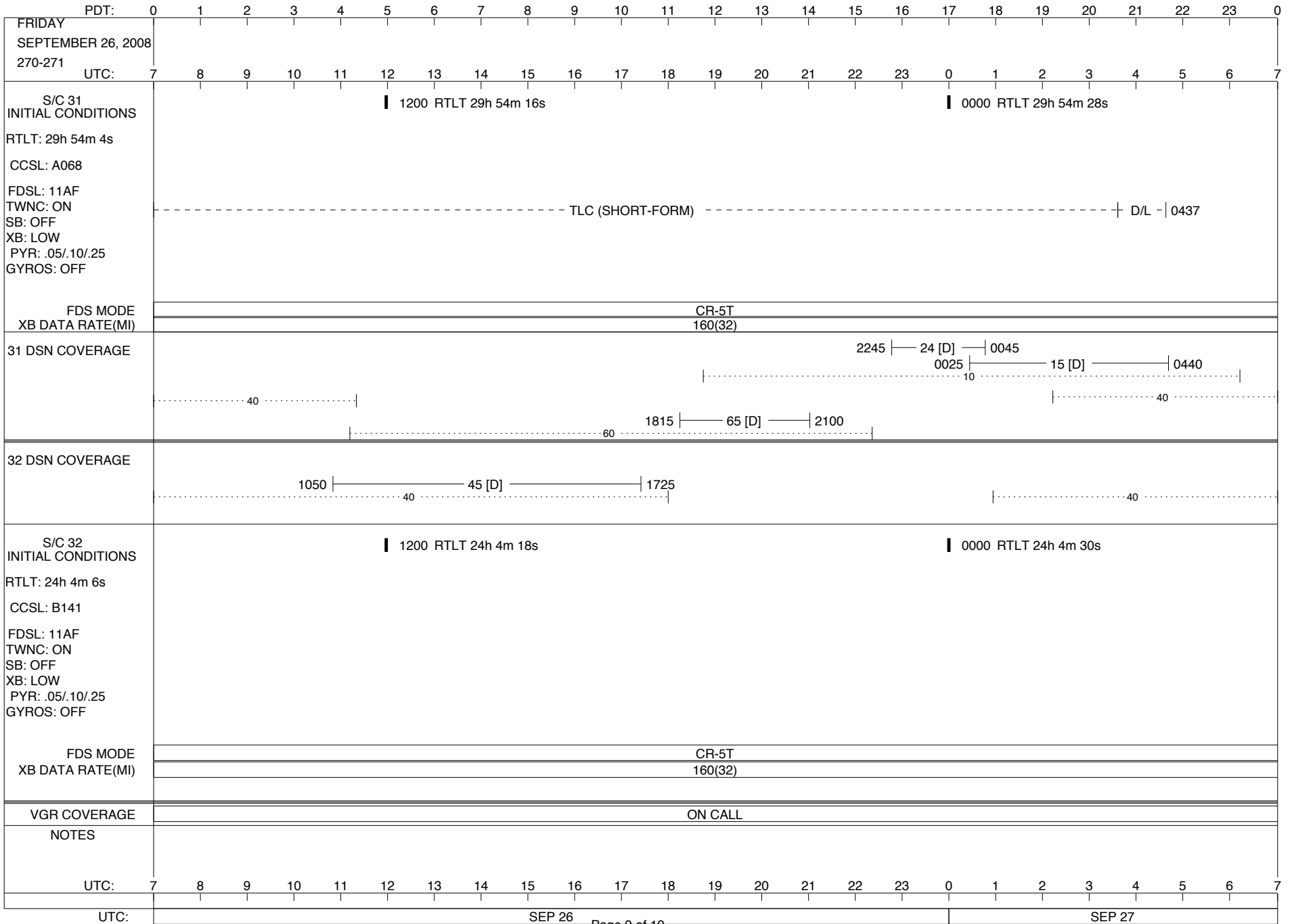
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WEDNESDAY SEPTEMBER 24, 2008 268-269																											
S/C 31 INITIAL CONDITIONS RTLT: 29h 53m 18s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 53m 30s													0000 RTLT 29h 53m 42s													
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 24h 3m 22s CCSL: B141 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 3m 32s													0000 RTLT 24h 3m 44s													
PLSCAL -   0737 - 0920 --- MAGCAL ---   0737 - 1040 ---- PESCAL ----   0737 - 1057																											
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		
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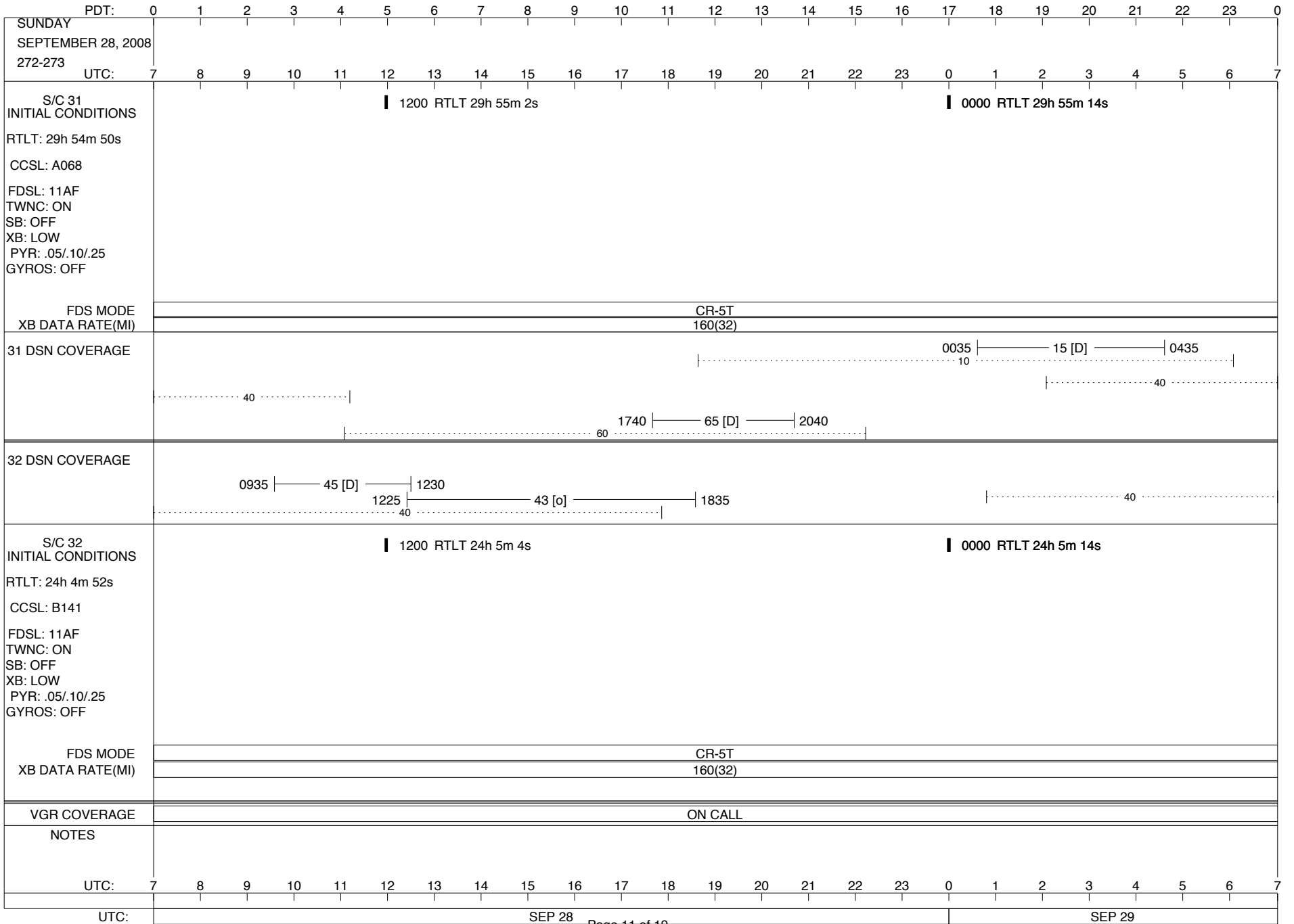
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UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 29h 53m 42s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200												0000							
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 24h 3m 44s CCSL: B141 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200												0000							
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
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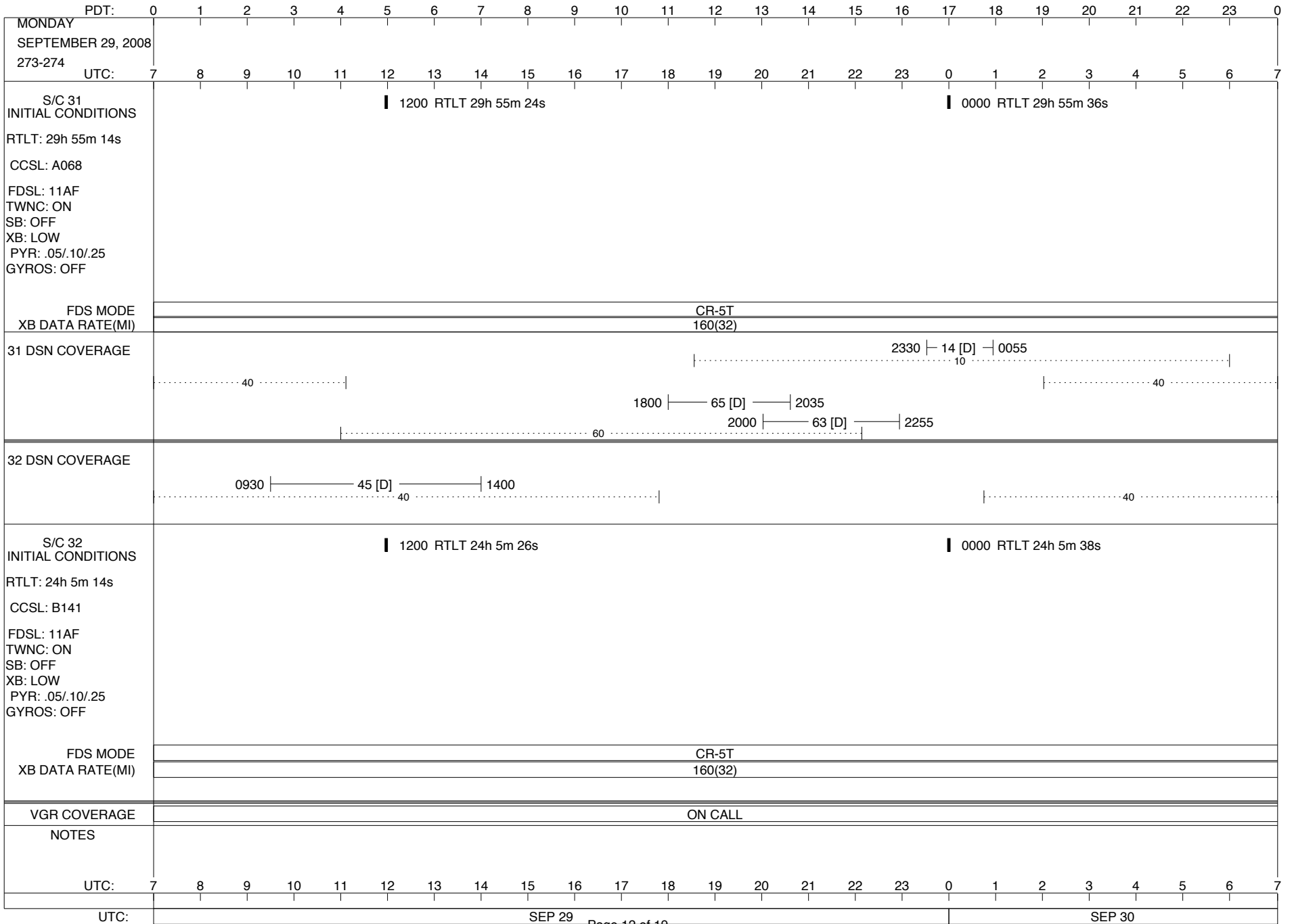


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SATURDAY SEPTEMBER 27, 2008 271-272	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 29h 54m 28s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 29h 54m 40s												0000 RTLTL 29h 54m 50s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	<p>Timeline for S/C 31 DSN Coverage:</p> <ul style="list-style-type: none"> <li>Day 27: Coverage from 0725 to 0753 (TAPPOS), 1027 to 1028 (PWS/RH), 1235 to 1249 (TAPPOS), and 1027 GS-4B 1028.</li> <li>Day 28: Coverage from 1835 to 2020 (65 [D]), 2010 to 2300 (63 [D]), 2345 to 0215 (26 [D]), and 0220 to 0620 (14 [D]).</li> </ul>																								
32 DSN COVERAGE	<p>Timeline for S/C 32 DSN Coverage:</p> <ul style="list-style-type: none"> <li>Day 27: Coverage from 0935 to 1630 (45 [D]).</li> </ul>																								
S/C 32 INITIAL CONDITIONS RTLTL: 24h 4m 30s CCSL: B141 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 24h 4m 40s												0000 RTLTL 24h 4m 52s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 1027 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 27												SEP 28												

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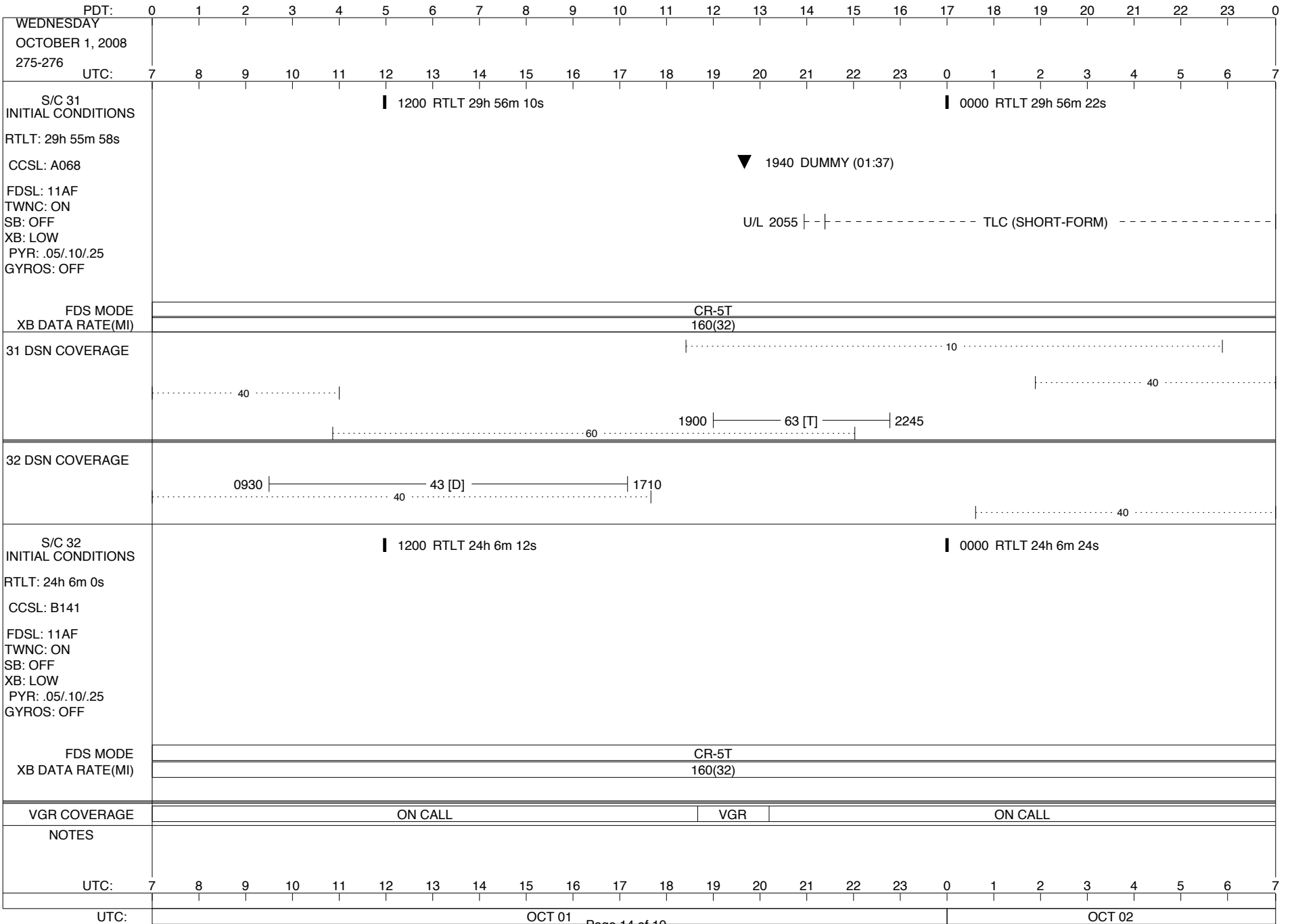
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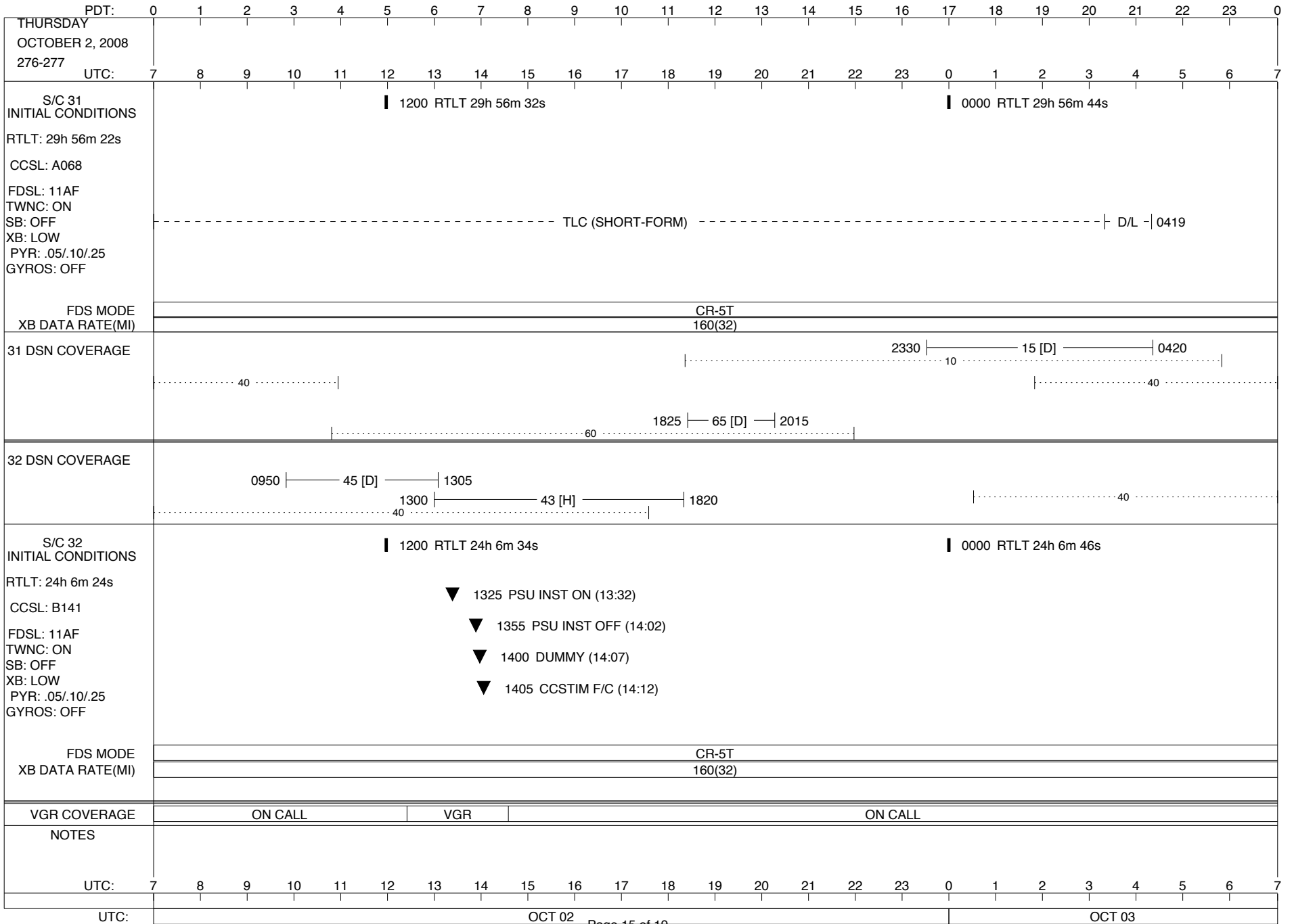
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TUESDAY SEPTEMBER 30, 2008 274-275																									
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S/C 31 INITIAL CONDITIONS RTLTL: 29h 55m 36s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 29h 55m 48s												0000 RTLTL 29h 55m 58s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....40.....												.....10.....												
	.....60.....												.....40.....												
	.....1825.....												.....2250.....												
	.....45 [D].....												.....14 [D].....												
	.....0930.....												.....0425 - 0615.....												
	.....0210.....												.....0430.....												
32 DSN COVERAGE	.....40.....												.....40.....												
S/C 32 INITIAL CONDITIONS RTLTL: 24h 5m 38s CCSL: B141 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 24h 5m 50s												0000 RTLTL 24h 6m 0s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0404 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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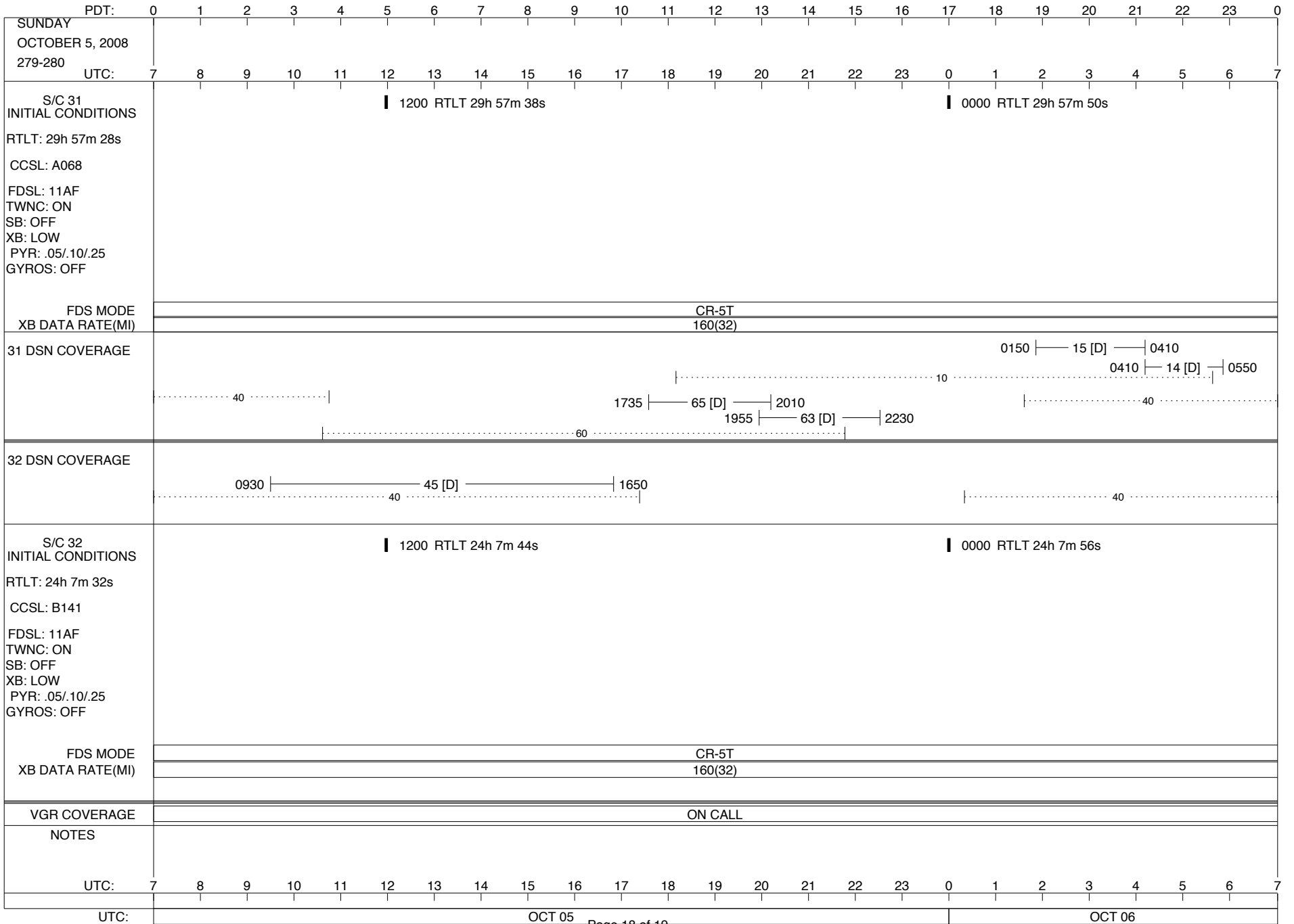


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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
FRIDAY OCTOBER 3, 2008 277-278																									
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S/C 31 INITIAL CONDITIONS RTLT: 29h 56m 44s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 56m 54s												0000 RTLT 29h 57m 6s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	.....40..... .....60..... .....10..... .....40..... .....0600												0115   15 [D]   0230 0210   14 [D]												
32 DSN COVERAGE	.....1105   45 [D]   1700.....40.....												.....40.....												
S/C 32 INITIAL CONDITIONS RTLT: 24h 6m 46s CCSL: B141 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 6m 58s												0000 RTLT 24h 7m 10s												
	* ↓ 1333 PS INST ON																								
	* ↓ 1403 PSU INST OFF																								
	* 1412   1425 CCSTIM (FINE)																								
	* 1456   1459 CCSTIM (COARSE)																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	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:	OCT 03												OCT 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	
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S/C 31 INITIAL CONDITIONS RTLTL: 29h 57m 6s CCSL: A068 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 29h 57m 16s												0000 RTLT 29h 57m 28s													
0702- 0703 TAPPOS 1005   1006 PWS/RH 1212     1225 TAPPOS ↓ 1005 GS-4B 1006																										
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	40												2320   24 [D]   0120 0100   15 [D]   0410 10 1725   65 [D]   1840 1820   63 [D]   2235 60													
32 DSN COVERAGE	1155   43 [D]   1645 40												40													
S/C 32 INITIAL CONDITIONS RTLTL: 24h 7m 10s CCSL: B141 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 7m 20s												0000 RTLT 24h 7m 32s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1005 XB=2.8K(41) NOT RECOVERABLE																									
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UTC:	OCT 04														OCT 05											

ISSUE DATE: 09/18/08 17:24



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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		
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FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>.....40..... </p> <p>.....60..... -----63 [D]----- 2225</p>																										
32 DSN COVERAGE	<p>0820  -----45 [D]----- 1645</p> <p>.....40..... </p>																										
S/C 32 INITIAL CONDITIONS RTLT: 24h 7m 56s CCSL: B141 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 24h 8m 8s</p>																										
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:	OCT 06													OCT 07													