

<b>VOYAGER</b> <b>Space Flight Operations Schedule (SFOS)</b>
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Issue Date: September 6, 2017

For the Period: 09/07/17 to 09/25/17 (17/250 – 17/269)

<b>DSN OPSCHIEF</b>	<b>230-102</b>	<b>SCIENCE</b>	<b>FLIGHT TEAM</b>	<b>600-100</b>
<b>DSOT</b>	<b>230-102</b>	CRS bryant@mail630.gsfc.nasa.gov LECP r.decker@jhuapl.edu MAG u2mha@lepvax.gsfc.nasa.gov PLS vgr@space.mit.edu PWS wsk@space.physics.uiowa.edu Leonard.F.Burlaga@nasa.gov Donald-Gurnett@uiowa.edu	Dodd, S. Hall, J. Howard, S. Ko, A. Ledeboer, W. Ludwig, R. Matsumoto, S. Medina, E. Peralta, F. Weeks, T. Yang, L.	

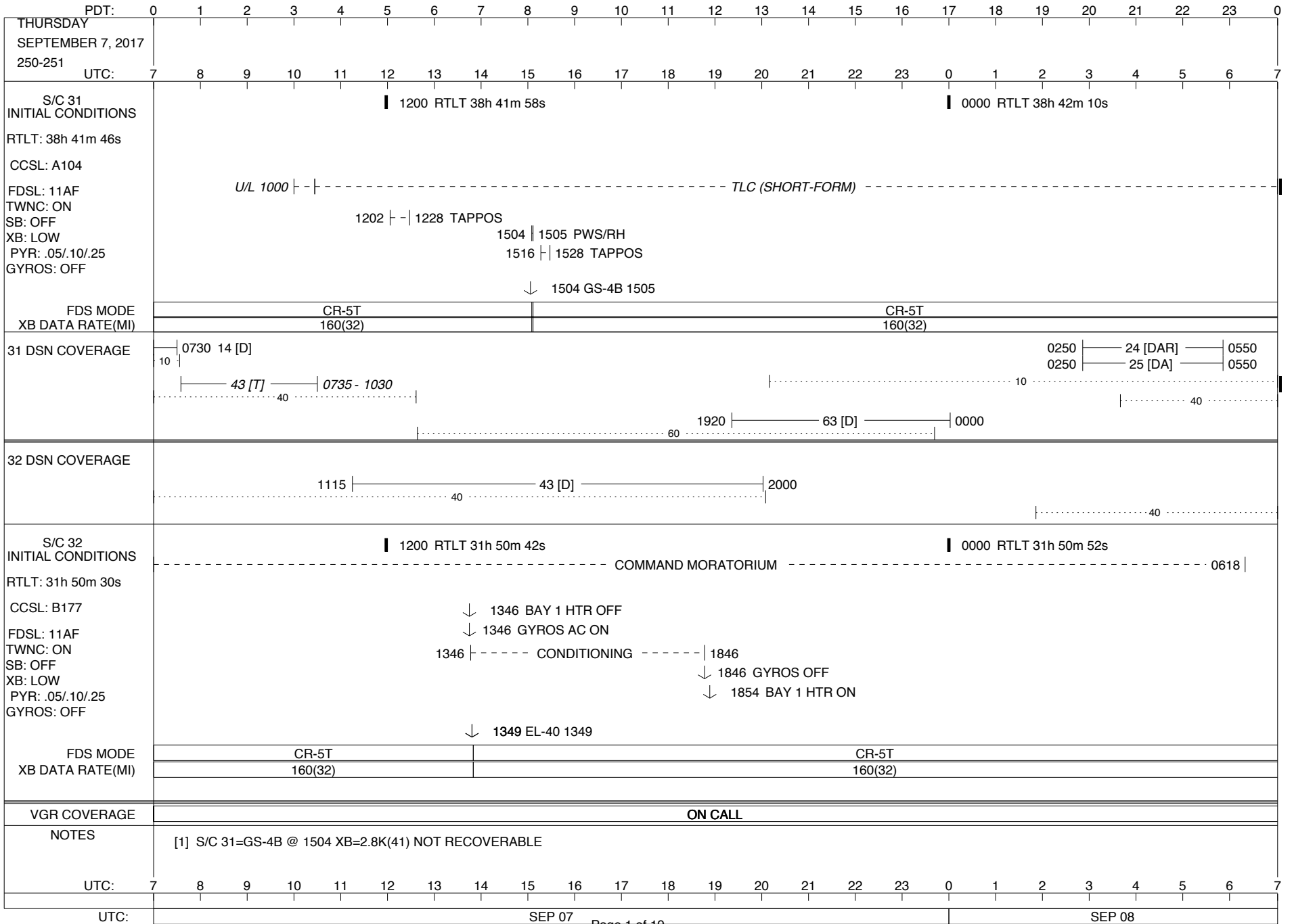
**LEGEND:**

- ∇ = 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

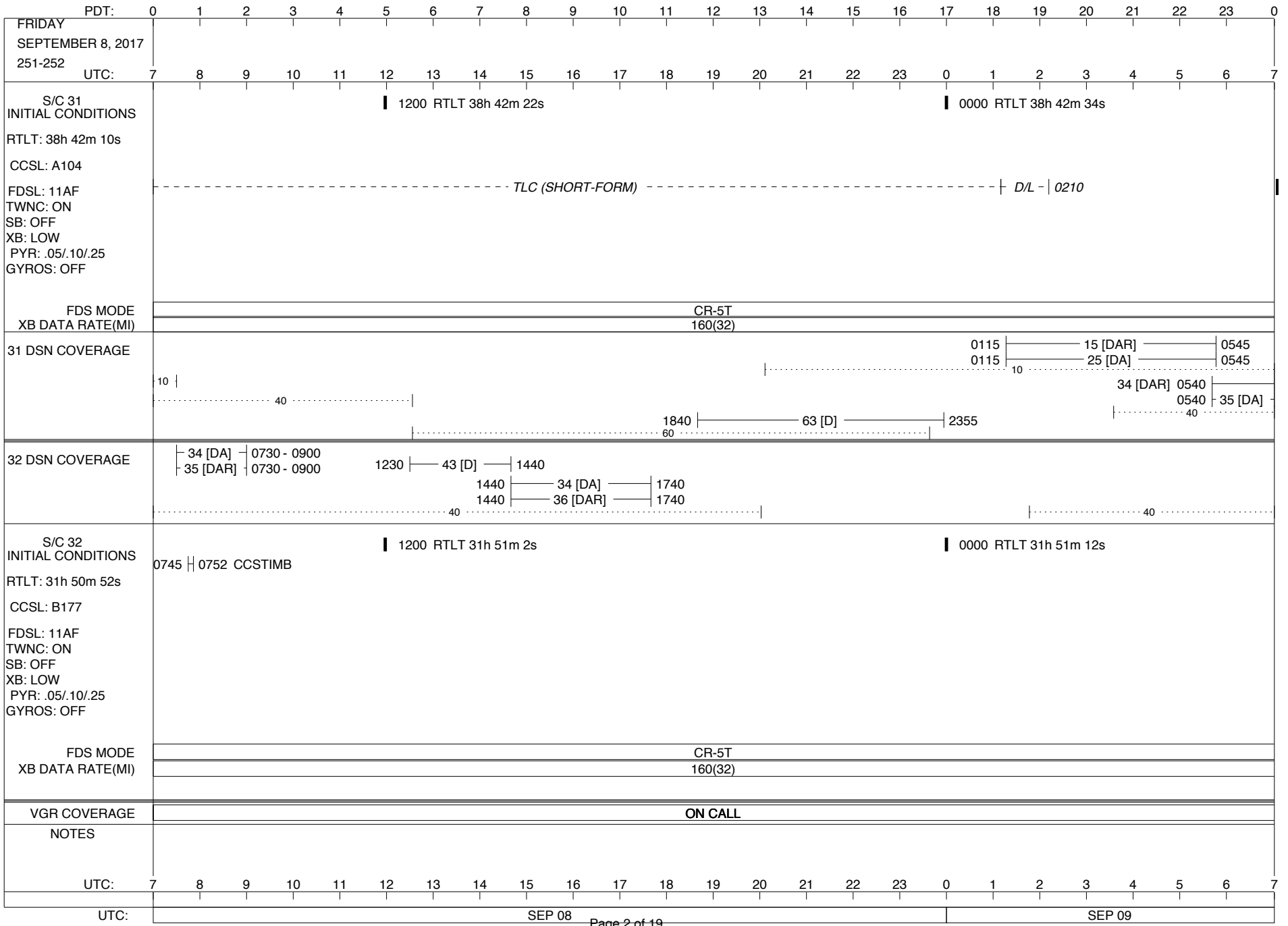
Posted at [http://voyager.jpl.nasa.gov/mission/soesfos/tracking\\_schedule.html](http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html)

02/27/17

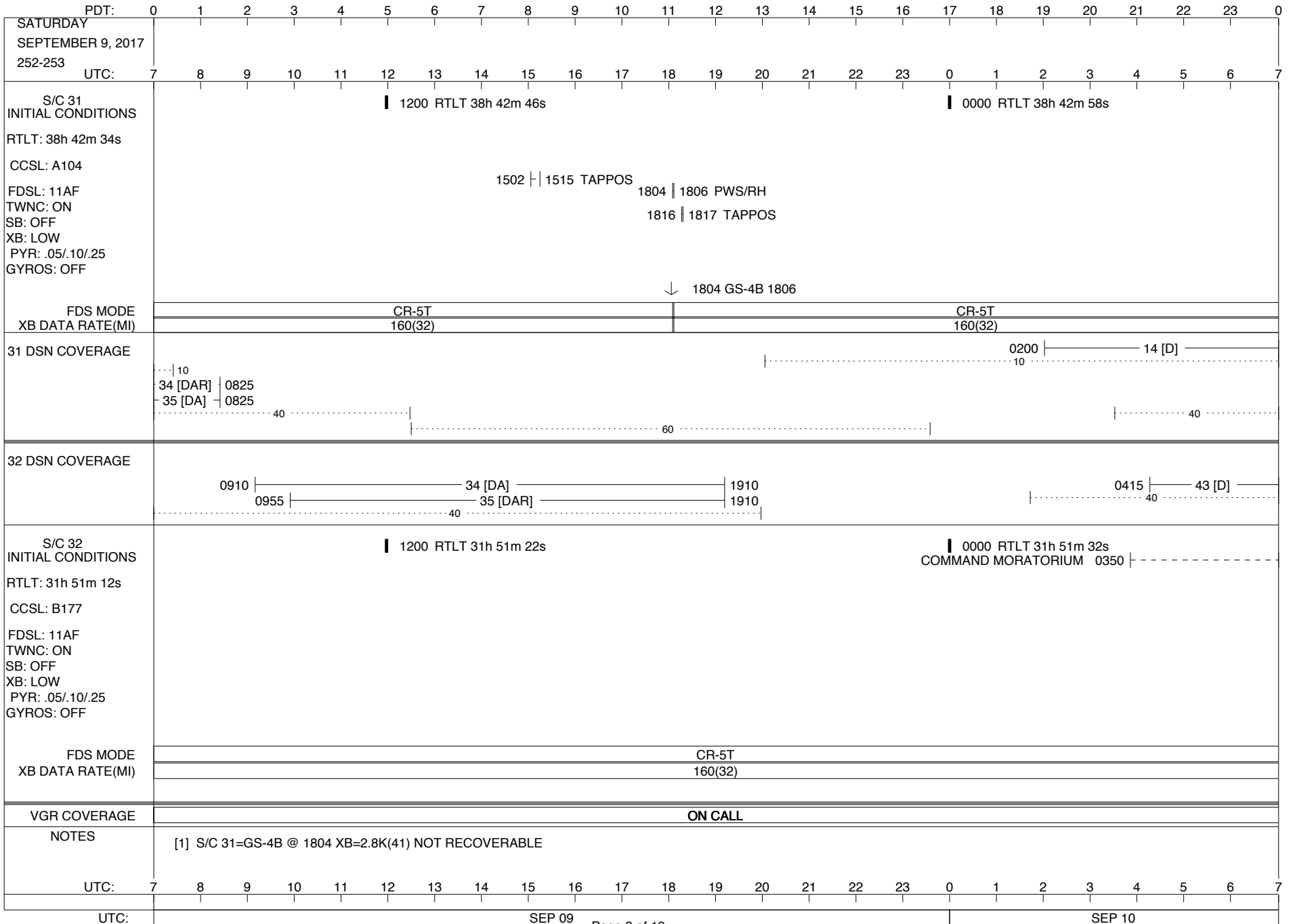
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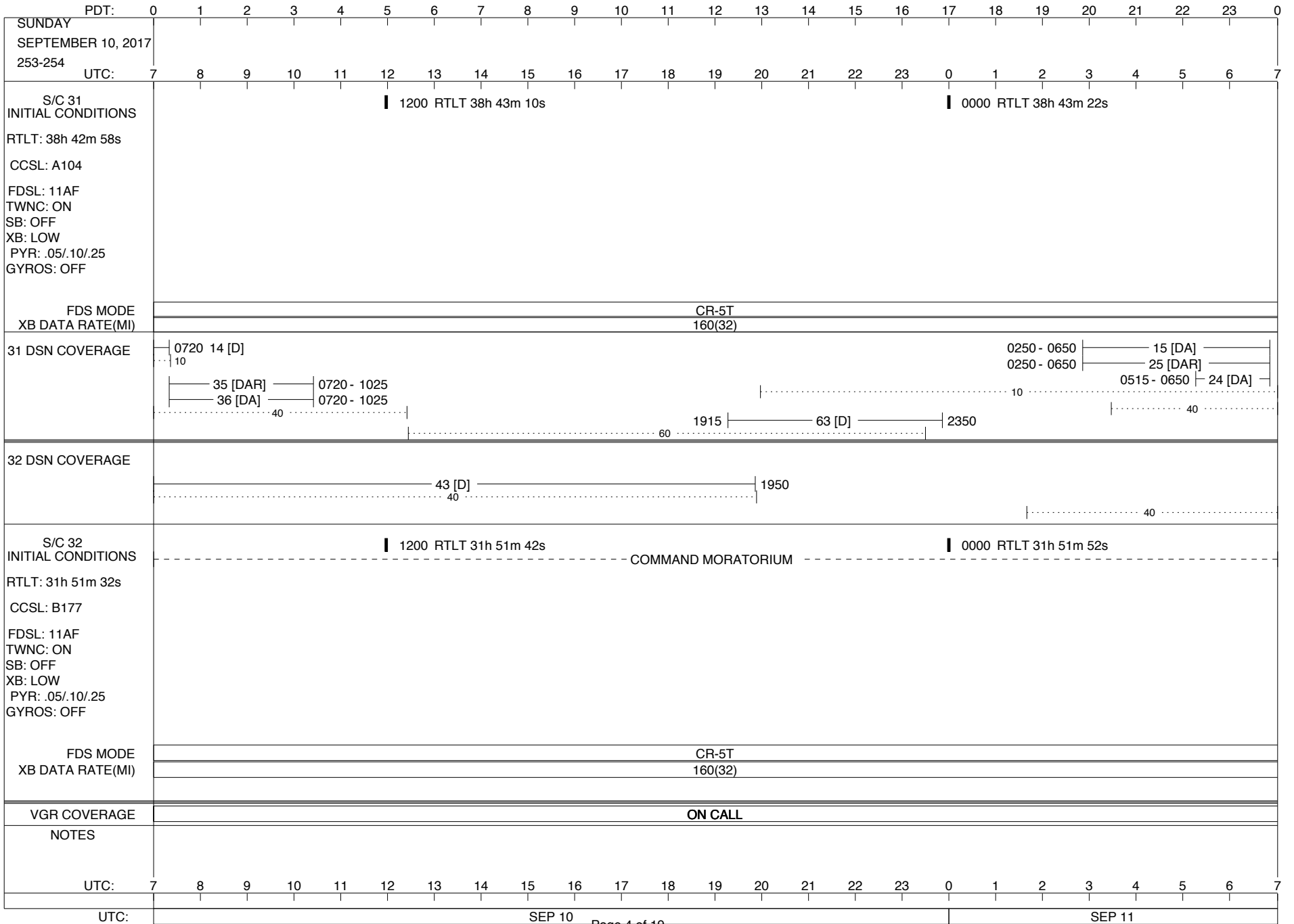
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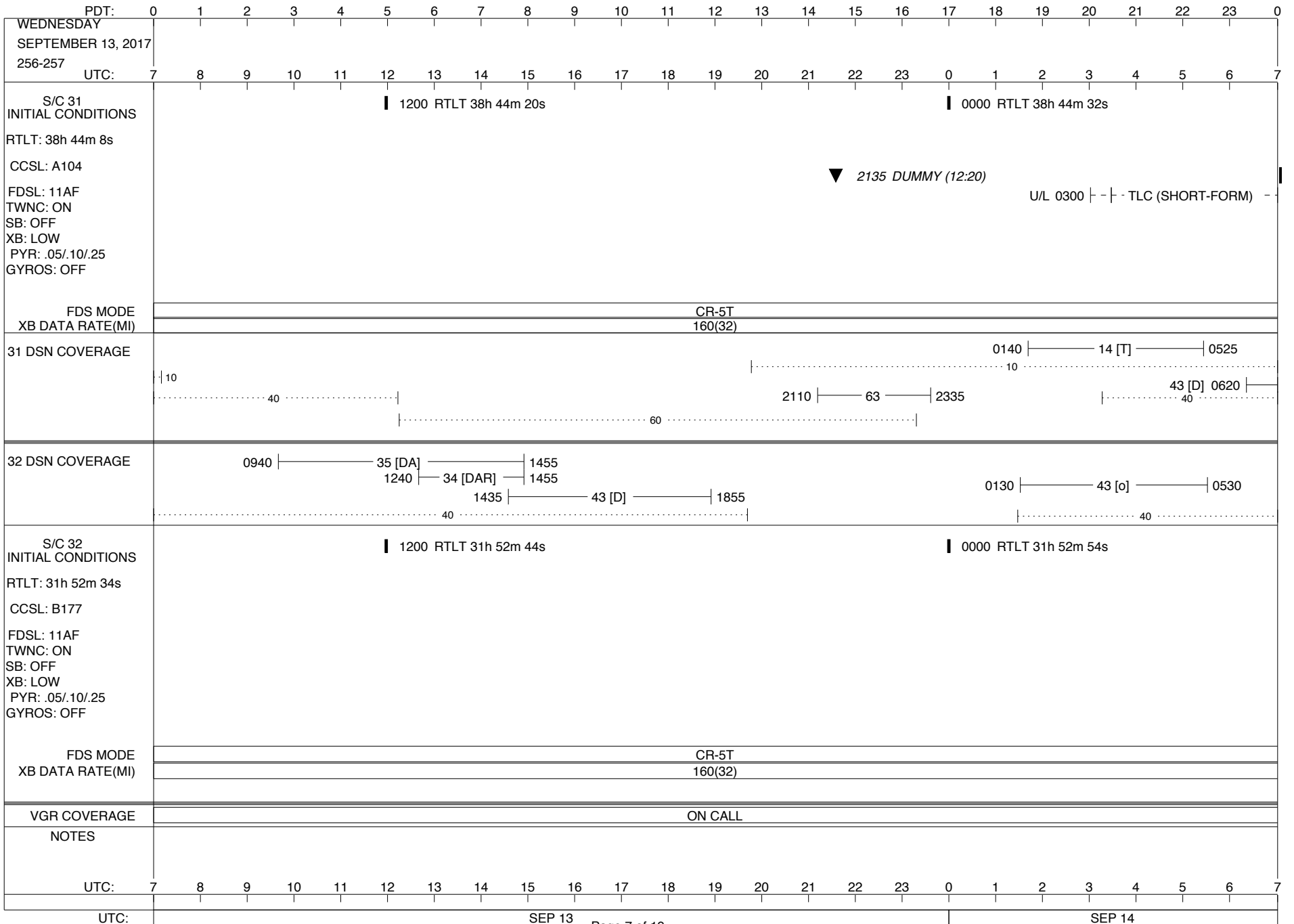
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
MONDAY SEPTEMBER 11, 2017 254-255																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 38h 43m 22s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 43m 34s												0000 RTLTL 38h 43m 44s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	10   40   60   2245   63 [D]   2345												0130   24 [DA]   0535 0130   25 [DAR]   0535												
32 DSN COVERAGE	0920   36 [D]   1205 1145   40   43 [D]   1855												43 [DA] 0635   40												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 51m 52s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 31h 52m 2s												0000 RTLTL 31h 52m 12s												
	----- COMMAND MORATORIUM -----																								
	↓ 1112 BAY 1 HTR OFF ↓ 1112 GYROS BC ON ↓ 1122 GYRO FAULT TEST ↓ 1156 ALL DB=.IS ↓ 1212 AAI ↓ 1213   1246 ASCAL ↓ 1247 RAI ↓ 1249 GYROS OFF ↓ 1257 BAY 1 HTR ON ↓ 1258 YAW=.10 ROLL=.25 ↓ 1303																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)						EL-40 40(30)						CR-5T 160(32)												
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 32=EL-40 @ 1114 XB=40(30) [2] S/C 32=CR-5T @ 1303 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:	SEP 11												SEP 12												

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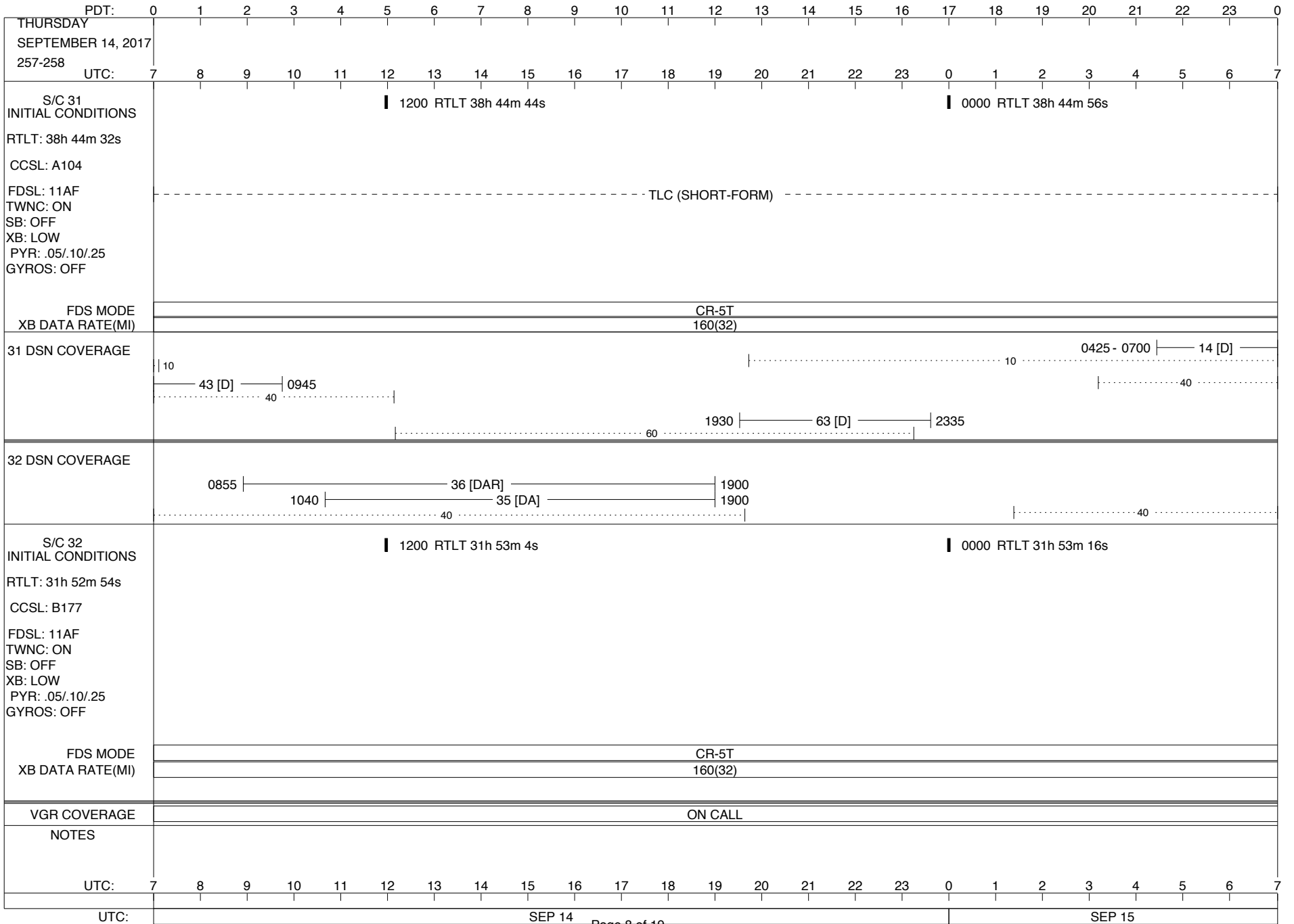
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TUESDAY SEPTEMBER 12, 2017 255-256																									
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 43m 44s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 43m 56s												0000 RTLTL 38h 44m 8s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0015   24 [DA]   0420 0015   25 [DAR]   0420												0452 GS-4B 0453 ↓												
32 DSN COVERAGE	0810   35 [DAR]   1310 43 [DA]   1940												0420   40   0420 1815   63 [D]   2340 60   40												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 52m 12s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 31h 52m 22s												0000 RTLTL 31h 52m 34s												
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 @ 0452 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32=D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (0847-1108)																								
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 12												SEP 13												

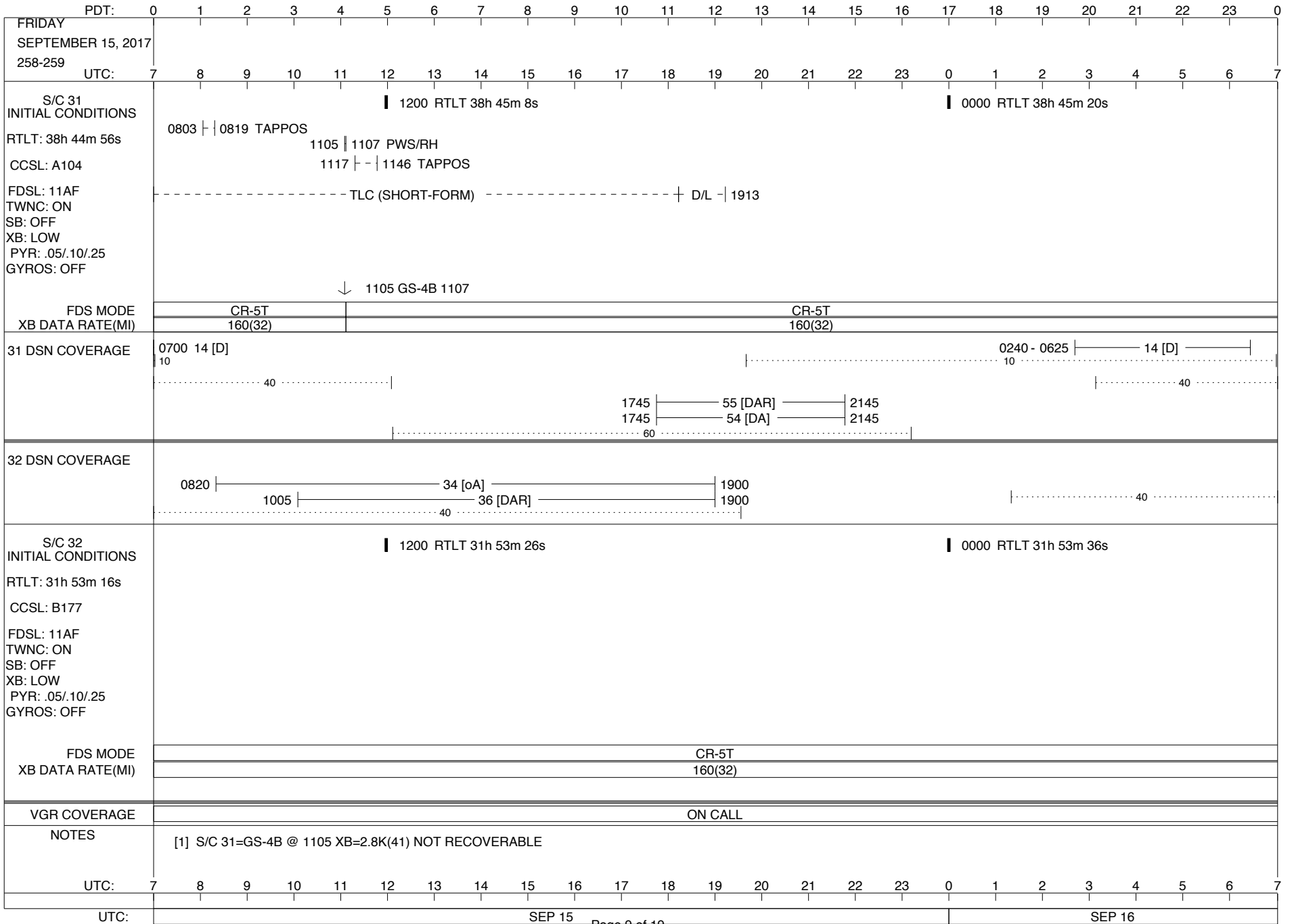
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
SATURDAY SEPTEMBER 16, 2017 259-260																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 38h 45m 20s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 38h 45m 32s																			
FDS MODE																									
XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 31h 53m 36s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 31h 53m 46s																			
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:																									

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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	
SUNDAY SEPTEMBER 17, 2017 260-261																										
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: 38h 45m 44s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 38h 45m 54s												█ 0000 RTLTL 38h 46m 6s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	.....40.....												.....0100-0650.....14 [D].....													
	.....												.....1905.....63 [D].....2320.....													
32 DSN COVERAGE	0815  -----35 [D]-----  1220												.....35 [DA] 0610  -----													
	.....1450  -----43 [D]-----  1920												.....36 [DAR] 0610  -----													
S/C 32 INITIAL CONDITIONS RTLTL: 31h 53m 58s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 31h 54m 8s												█ 0000 RTLTL 31h 54m 18s													
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 @ 1405 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 17												SEP 18													

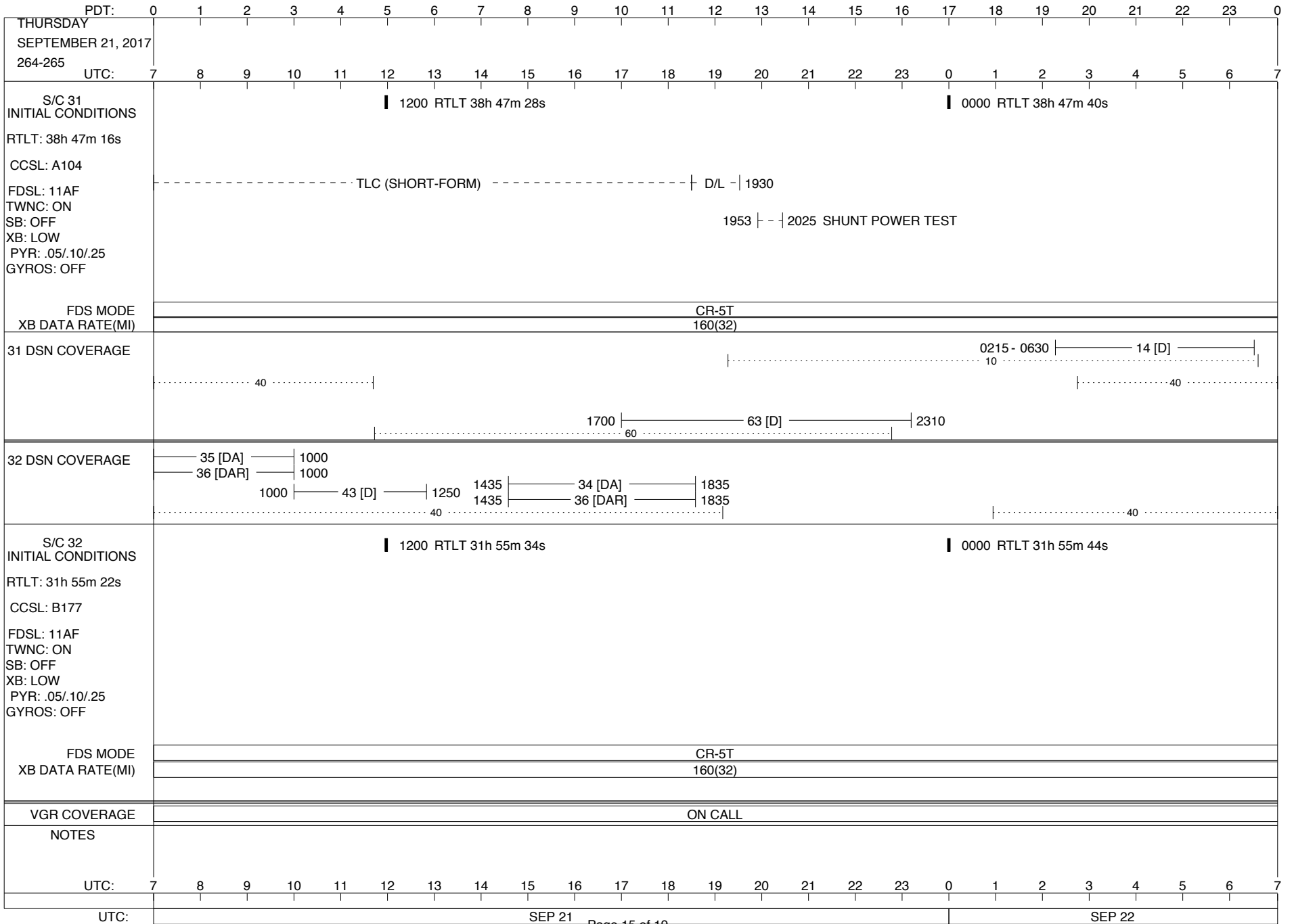
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 46m 6s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200																			
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 31h 54m 18s CCSL: B177 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:																									

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			
TUESDAY																													
SEPTEMBER 19, 2017																													
262-263																													
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 38h 46m 42s														0000 RTLT 38h 46m 54s													
RTLT: 38h 46m 30s																													
CCSL: A104																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE		CR-5T														CR-5T													
XB DATA RATE(MI)		160(32)														160(32)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS		1200 RTLT 31h 54m 50s														0000 RTLT 31h 55m 2s													
RTLT: 31h 54m 40s																													
CCSL: B177																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
▼ 0707 ECR'S 114485 & 114554 (15:01)																													
▼ 0720 TLMPRG (15:15)																													
▼ 0755 CCS SID MRO'S (15:50)																													
▼ 0809 CCS SID MRO'S - REDUNDANT, CR-5T (16:04)																													
FDS MODE		CR-5T														CR-5T													
XB DATA RATE(MI)		160(32)														160(32)													
VGR COVERAGE		VGR ON CALL														VGR ON CALL													
NOTES		[1] S/C 31=GS-4B @ 0429 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 19														SEP 20													

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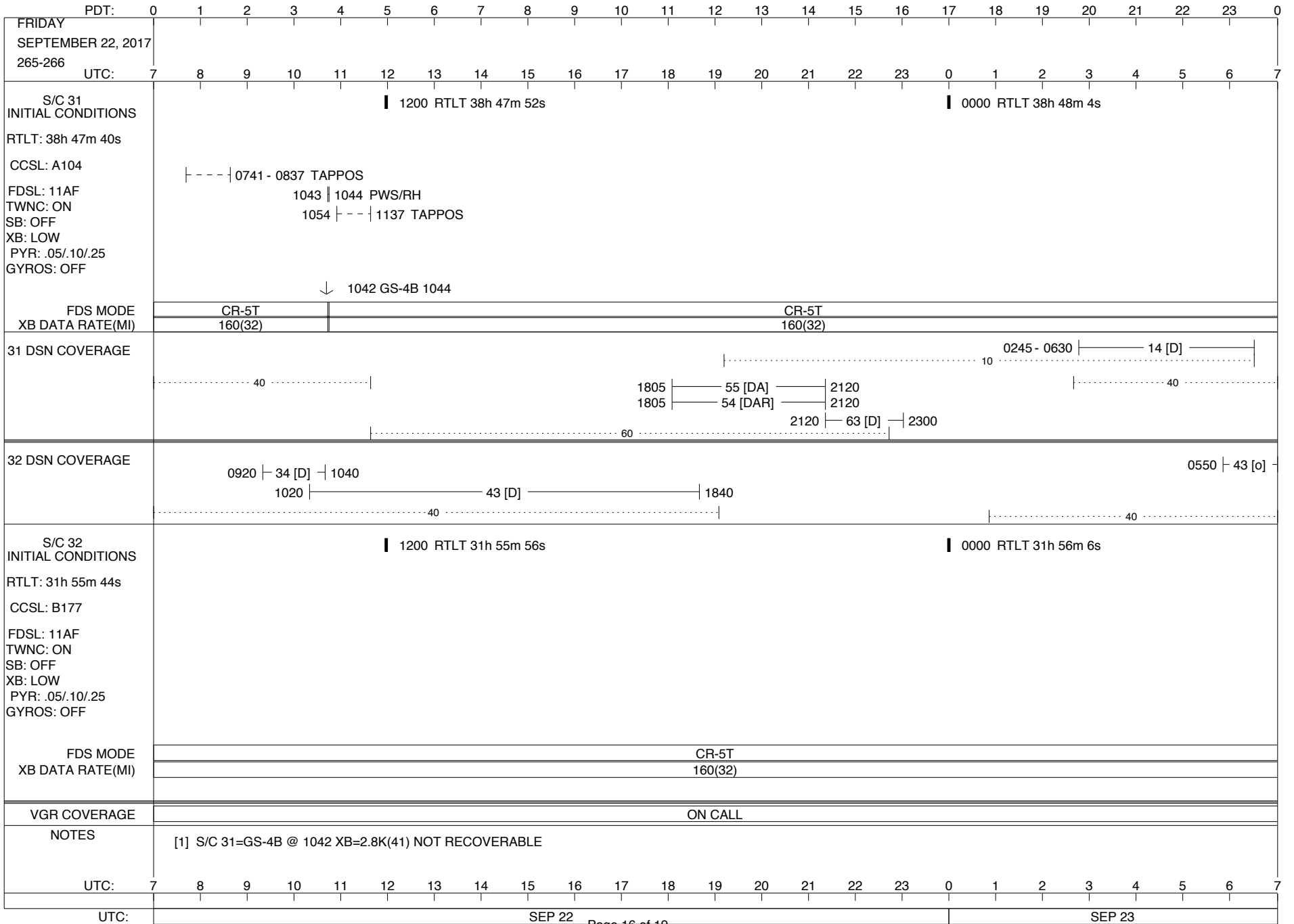
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WEDNESDAY																													
SEPTEMBER 20, 2017																													
263-264																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS		1200 RTLT 38h 47m 6s														0000 RTLT 38h 47m 16s													
RTLT: 38h 46m 54s																													
CCSL: A104																													
FDSL: 11AF		TLC (SHORT-FORM)																											
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
31 DSN COVERAGE		<p>0250 - 0640   14 [D]</p> <p>40   1905   63 [D]   2310</p>																											
32 DSN COVERAGE		<p>34 [DA]   0950   1155   35 [DAR]   1600   35 [DA] 0615</p> <p>35 [DAR]   0950   1155   36 [DA]   1600   36 [DAR] 0615</p> <p>1545   43 [D]   1910</p> <p>40   40</p>																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 31h 55m 12s														0000 RTLT 31h 55m 22s													
RTLT: 31h 55m 2s																													
CCSL: B177																													
FDSL: 11AF		<p>1445 *   1450 B178 CHKSUM</p> <p>1516 *   1516 TLMPRG</p> <p>1551 *   1552 4 CCS SID MRO'S</p> <p>1605 *   1606 4 CCS SID MRO'S - REDUNDANT</p> <p>1732   -   1758 SHUNT POWER TEST</p>																											
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
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		<p>[1] S/C 32=EL-40 @ 1432 XB=40(30)</p> <p>[2] S/C 32=CR-5T @ 1622 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			
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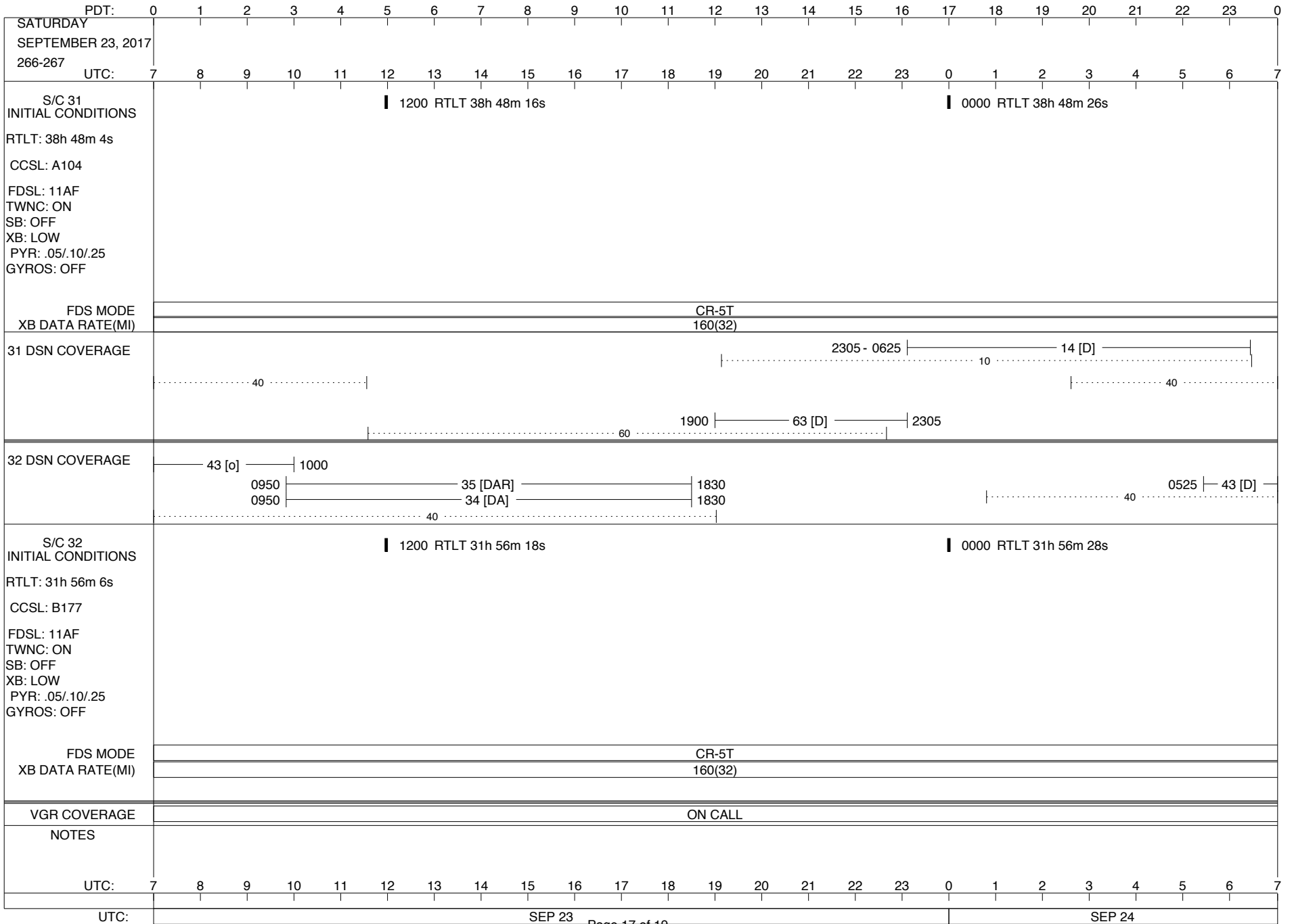
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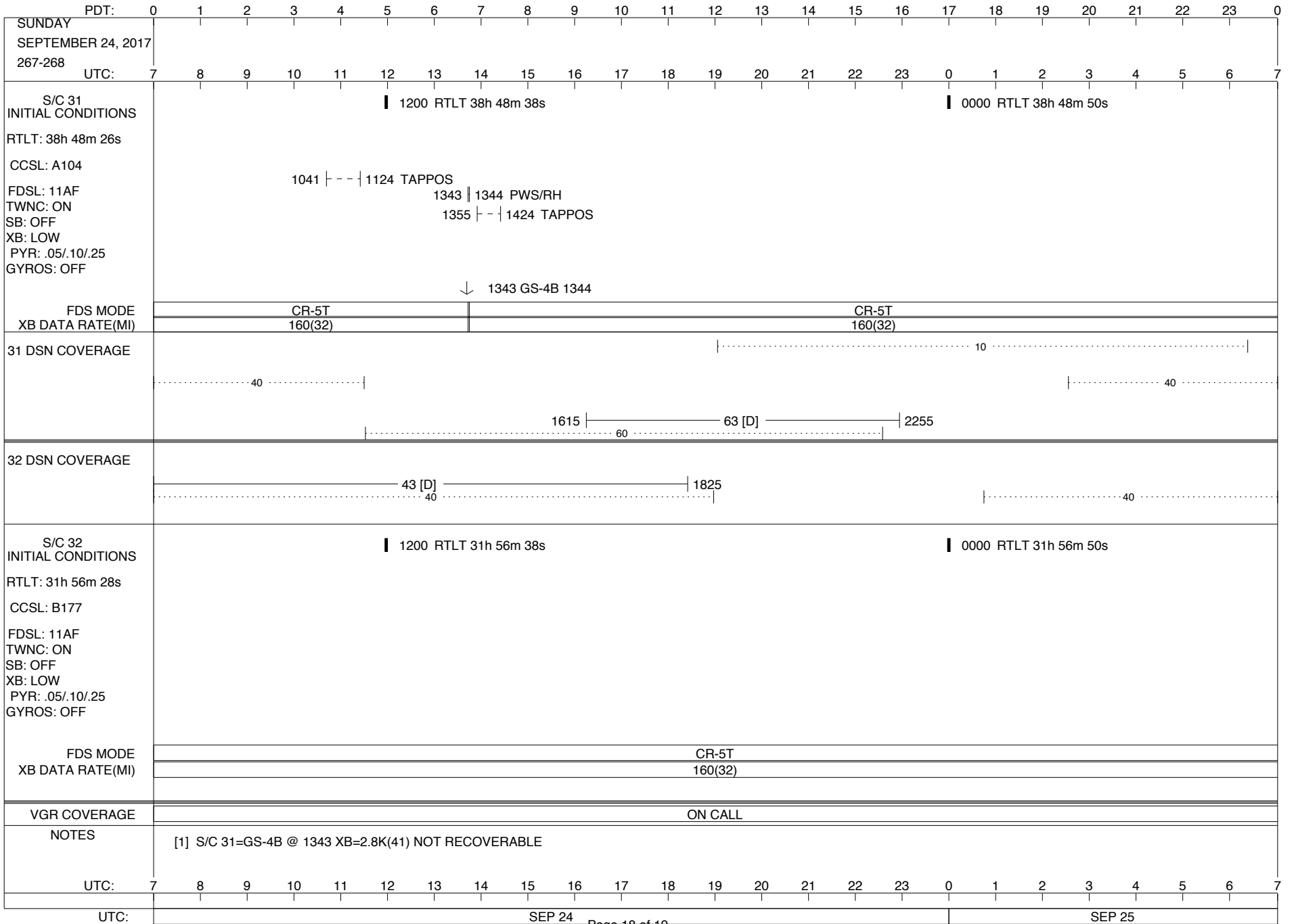


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UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 38h 48m 50s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 49m 2s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<p>..... 40 .....</p> <p>..... 1740  ----- 63 [D] -----  2255</p> <p>..... 60 .....</p>																										
32 DSN COVERAGE	<p>0745  ----- 35 [D] -----  1150</p> <p>..... 1530  ----- 43 [D] -----  1845</p> <p>..... 40 .....</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 31h 56m 50s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 31h 57m 0s																										
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 25													SEP 26													