

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 6, 2017

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

DSN OPSCHIEF	230-102	SCIENCE	FLIGHT TEAM	600-100
DSOT	230-102	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

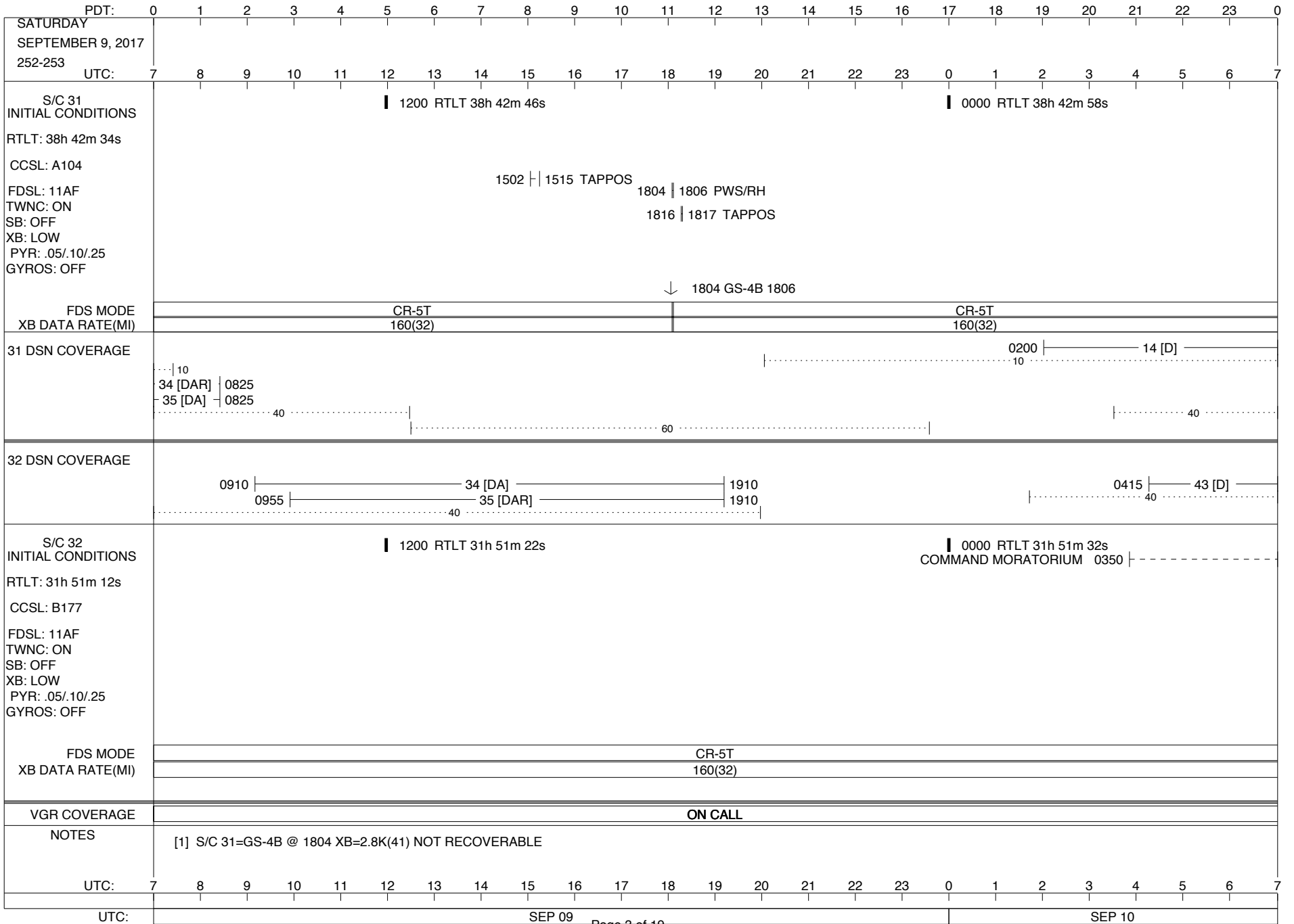
Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

02/27/17

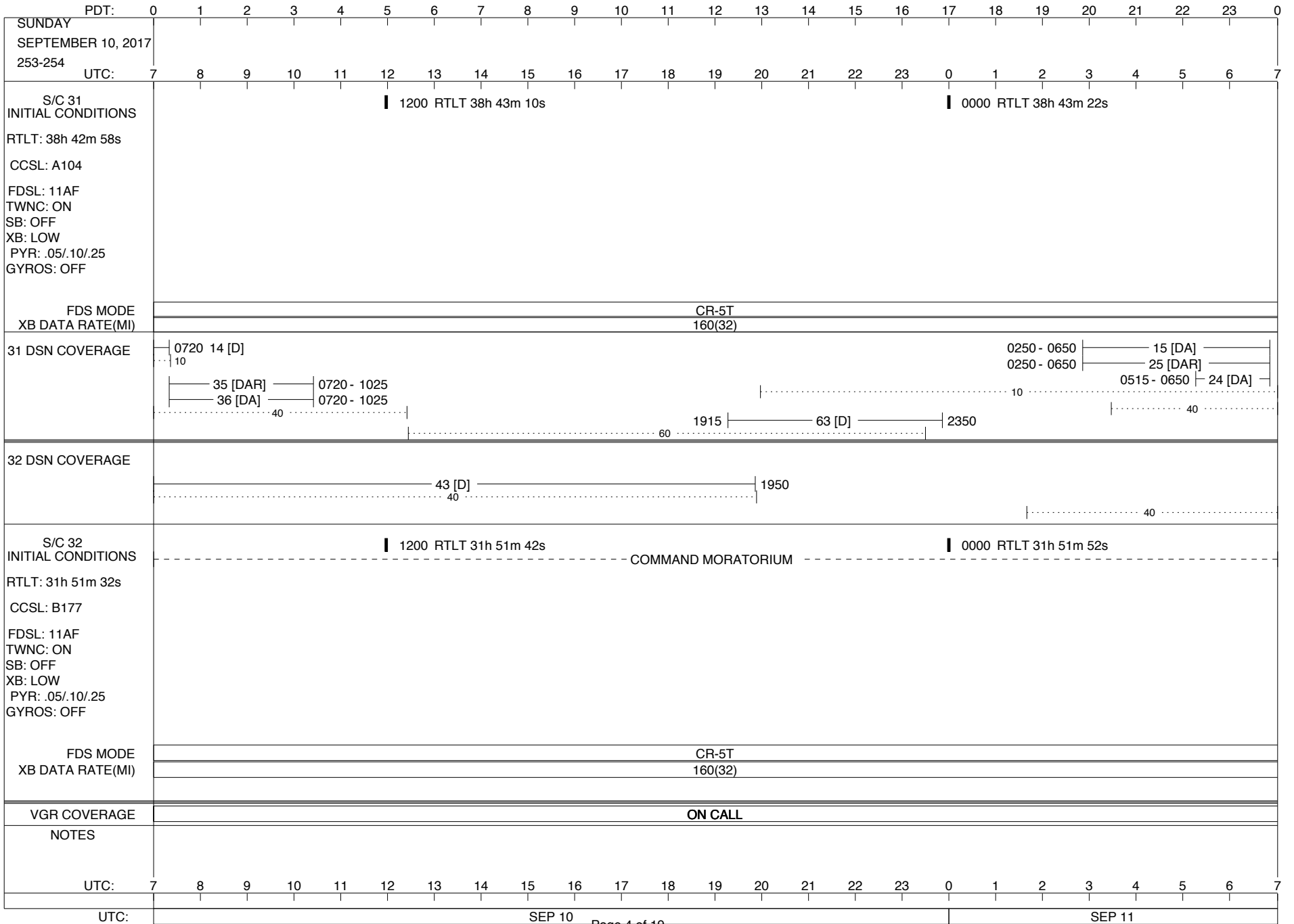
ISSUE DATE: 09/07/17 12:54

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 7, 2017																													
250-251																													
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 41m 58s														0000 RTLT 38h 42m 10s													
RTLT: 38h 41m 46s																													
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 50m 42s														0000 RTLT 31h 50m 52s													
RTLT: 31h 50m 30s																													
CCSL: B177																													
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)													
VGR COVERAGE		ON CALL																											
NOTES		[1] S/C 31=GS-4B @ 1504 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 07														SEP 08													

ISSUE DATE: 09/07/17 12:54



ISSUE DATE: 09/07/17 12:54



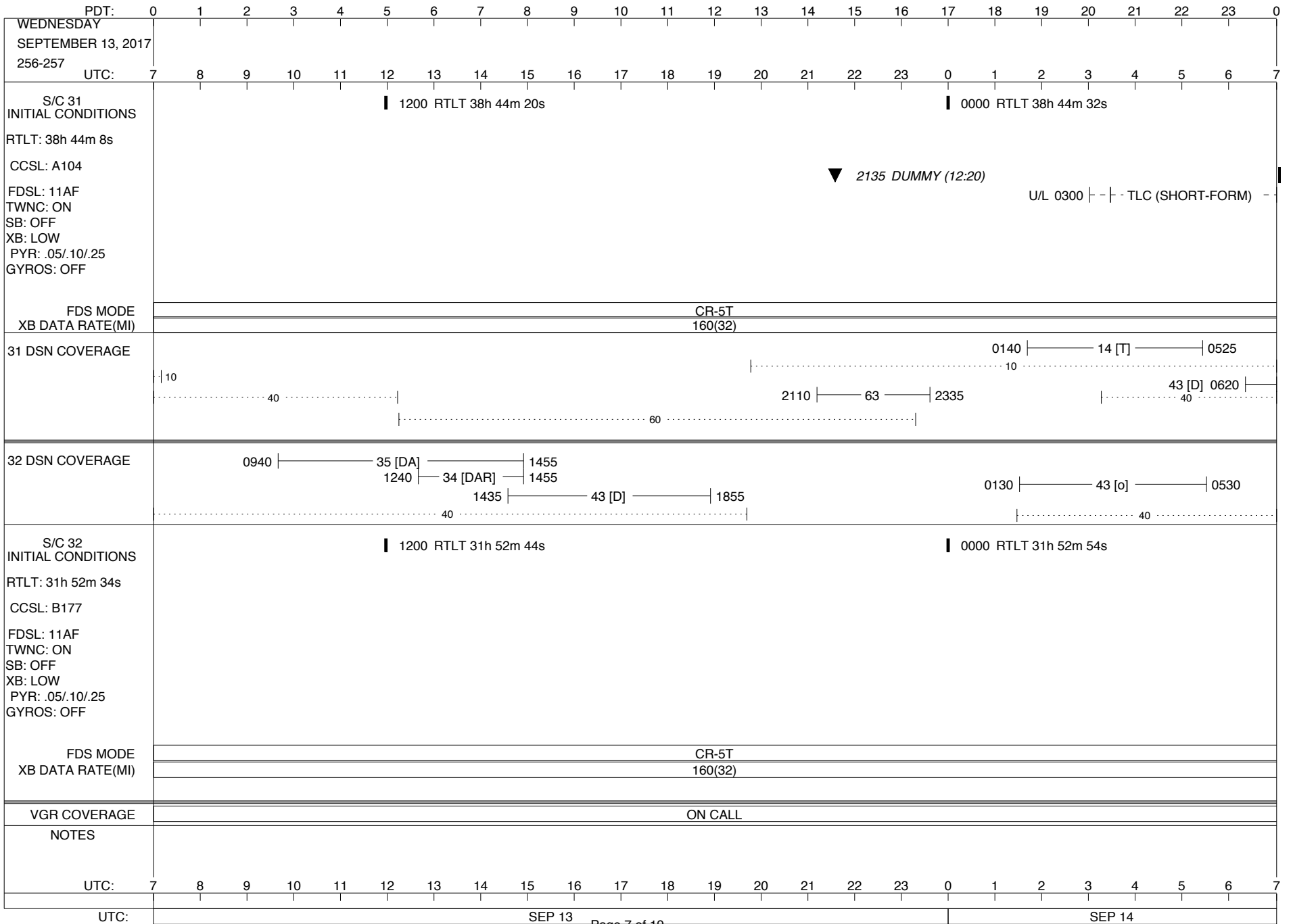
ISSUE DATE: 09/07/17 12:54

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	CR-5T																								
XB DATA RATE(MI)	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	CR-5T						EL-40						CR-5T												
XB DATA RATE(MI)	160(32)						40(30)						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												

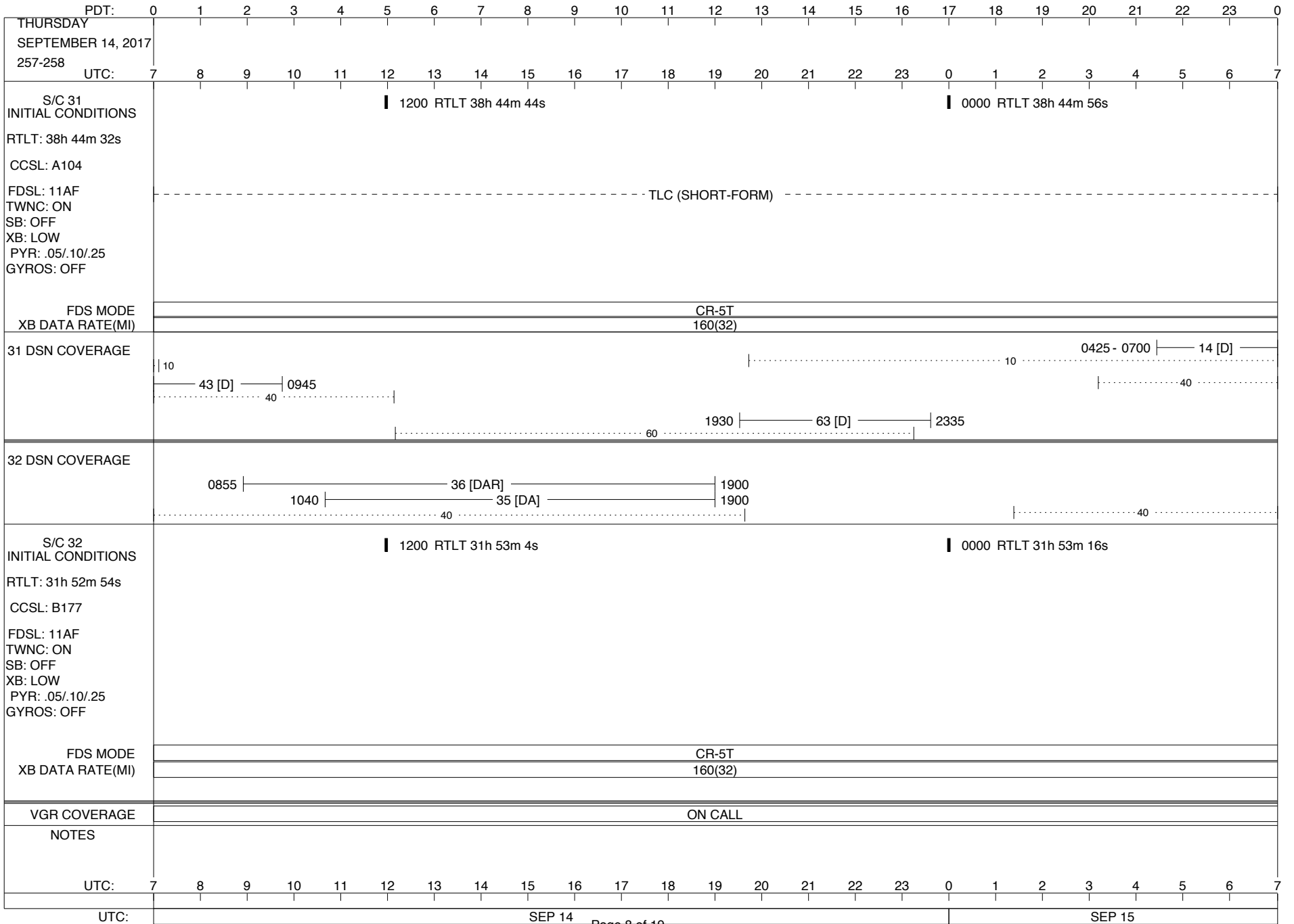
ISSUE DATE: 09/07/17 12:54

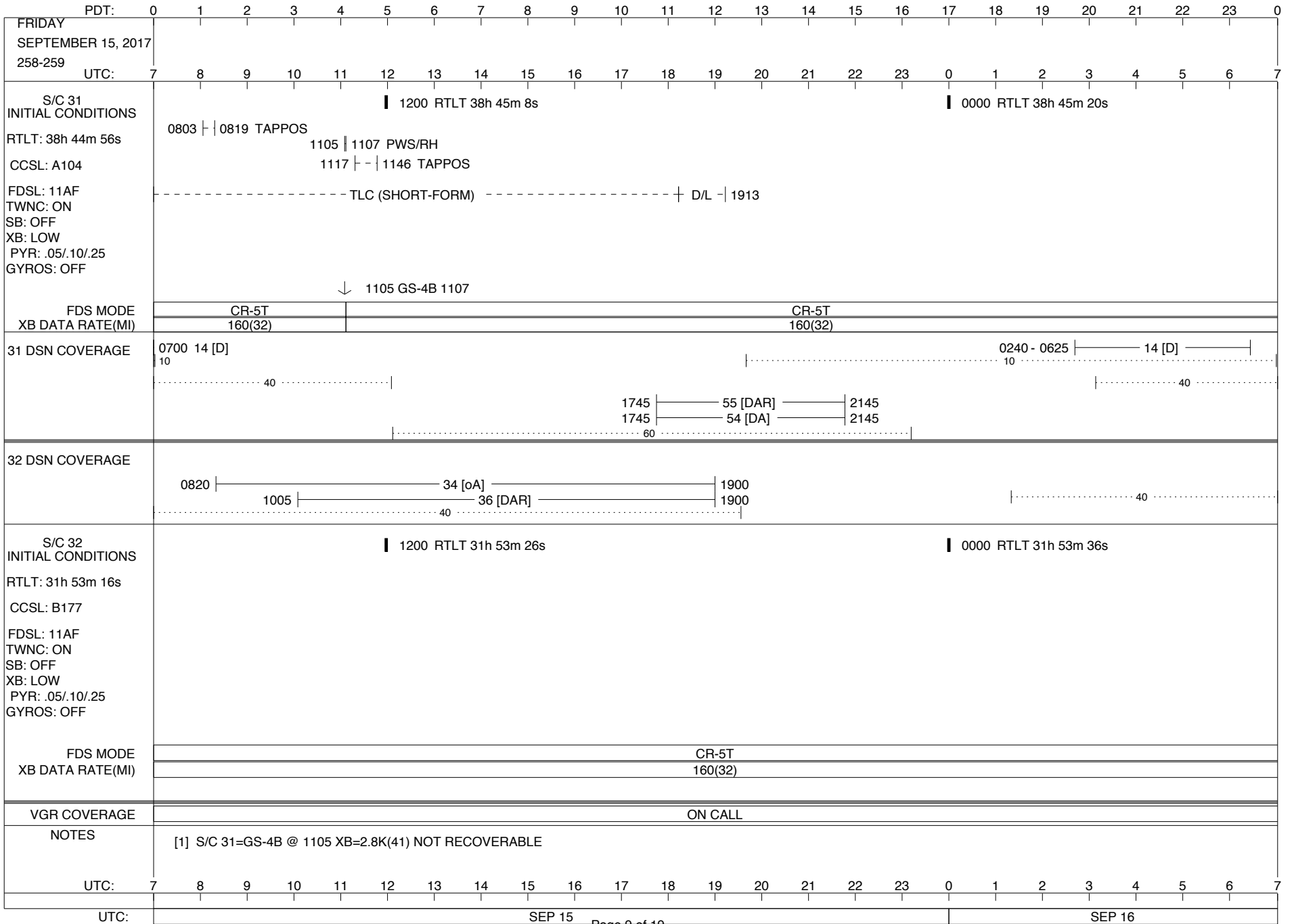
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
TUESDAY SEPTEMBER 12, 2017 255-256	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 38h 43m 44s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 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												0015 24 [DA] 0420 0015 25 [DAR] 0420												
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												

ISSUE DATE: 09/07/17 12:54



ISSUE DATE: 09/07/17 12:54





ISSUE DATE: 09/07/17 12:54

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												█ 0000 RTLT 38h 45m 44s									
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE															1935	-----	14 [D]	-----	2335								
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												█ 0000 RTLT 31h 53m 58s									
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 16														SEP 17												

ISSUE DATE: 09/07/17 12:54

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													
	1104 - 1133 TAPPOS												1405 1407 PWS/RH													
													1417 - - - 1500 TAPPOS													
													↓ 1405 GS-4B 1407													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE													0100- 0650 ----- 14 [D] -----													
40.....												----- 10 ----- 40 -----													
													1905 ----- 63 [D] ----- 2320													
	----- 60 -----												-----													
32 DSN COVERAGE	0815 ----- 35 [D] ----- 1220												35 [DA] 0610 -----													
	----- 40 -----												1450 ----- 43 [D] ----- 1920													
													36 [DAR] 0610 -----													
													----- 40 -----													
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													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													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											

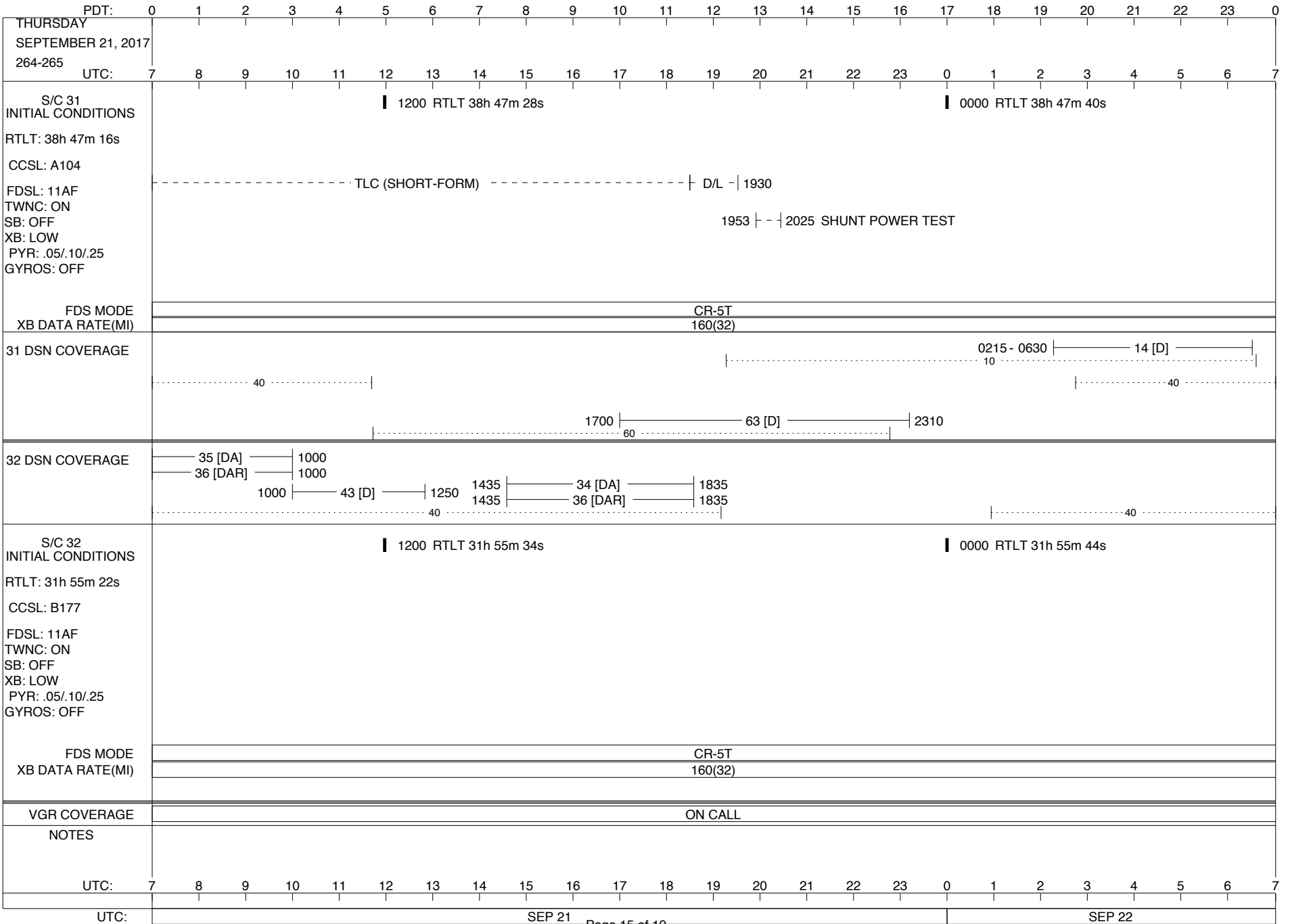
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
MONDAY SEPTEMBER 18, 2017 261-262																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 38h 46m 6s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF																										
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																										
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													
RTLTL: 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		<p>0225 - 0625 14 [T] </p> <p>10 40</p> <p>34 [DAR] 0945</p> <p>35 [DA] 0945</p> <p>40 60 1930 63 2315</p>																											
32 DSN COVERAGE		<p>43 [H1] 1140</p> <p>1245 34 [DA] 1845</p> <p>1245 35 [DAR] 1845</p> <p>40 40</p> <p>0550 34 [DA]</p> <p>35 [DAR] 0550 </p>																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 31h 54m 50s														0000 RTLT 31h 55m 2s													
RTLTL: 31h 54m 40s																													
CCSL: B177																													
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)													
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													

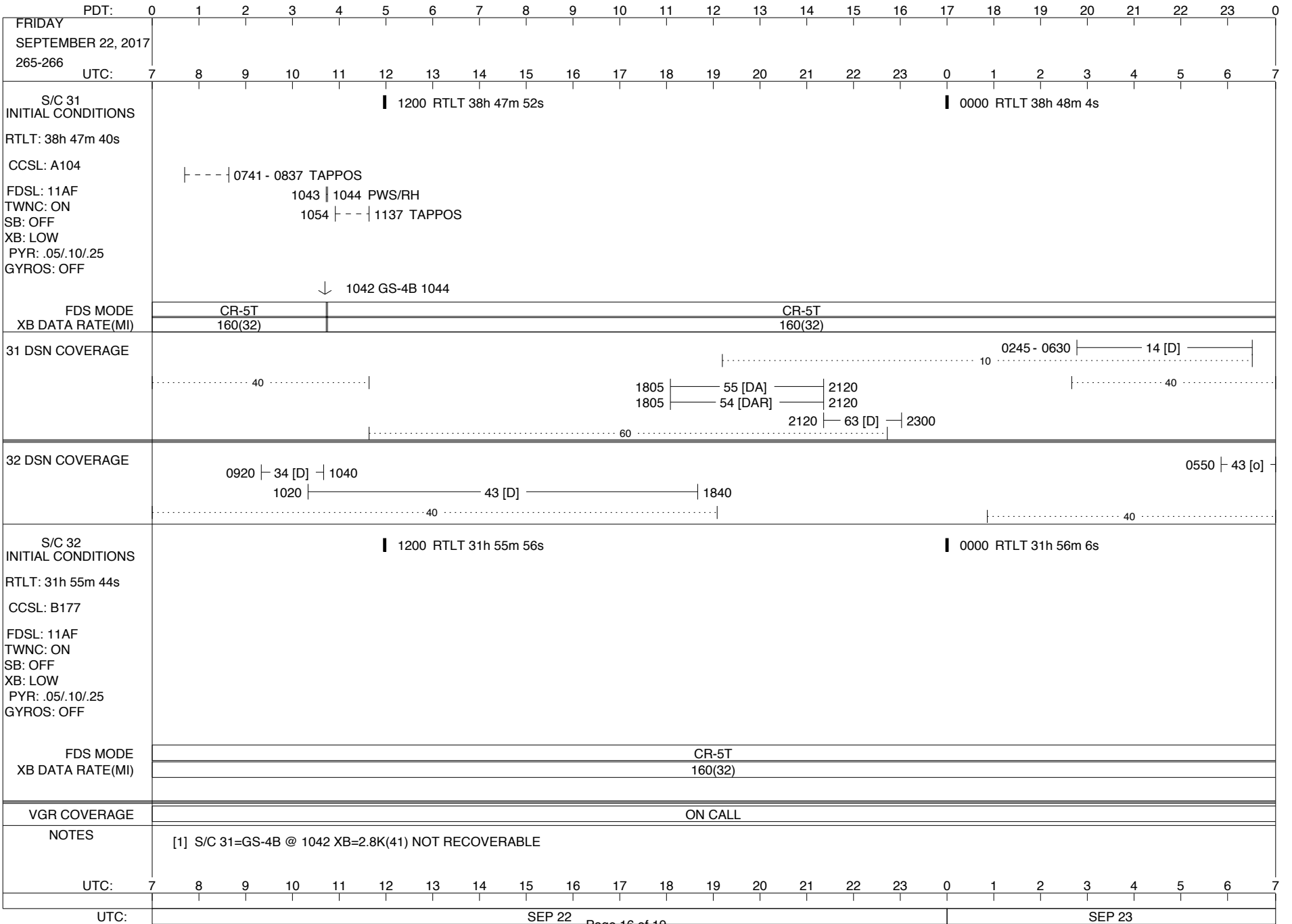
ISSUE DATE: 09/07/17 12:54

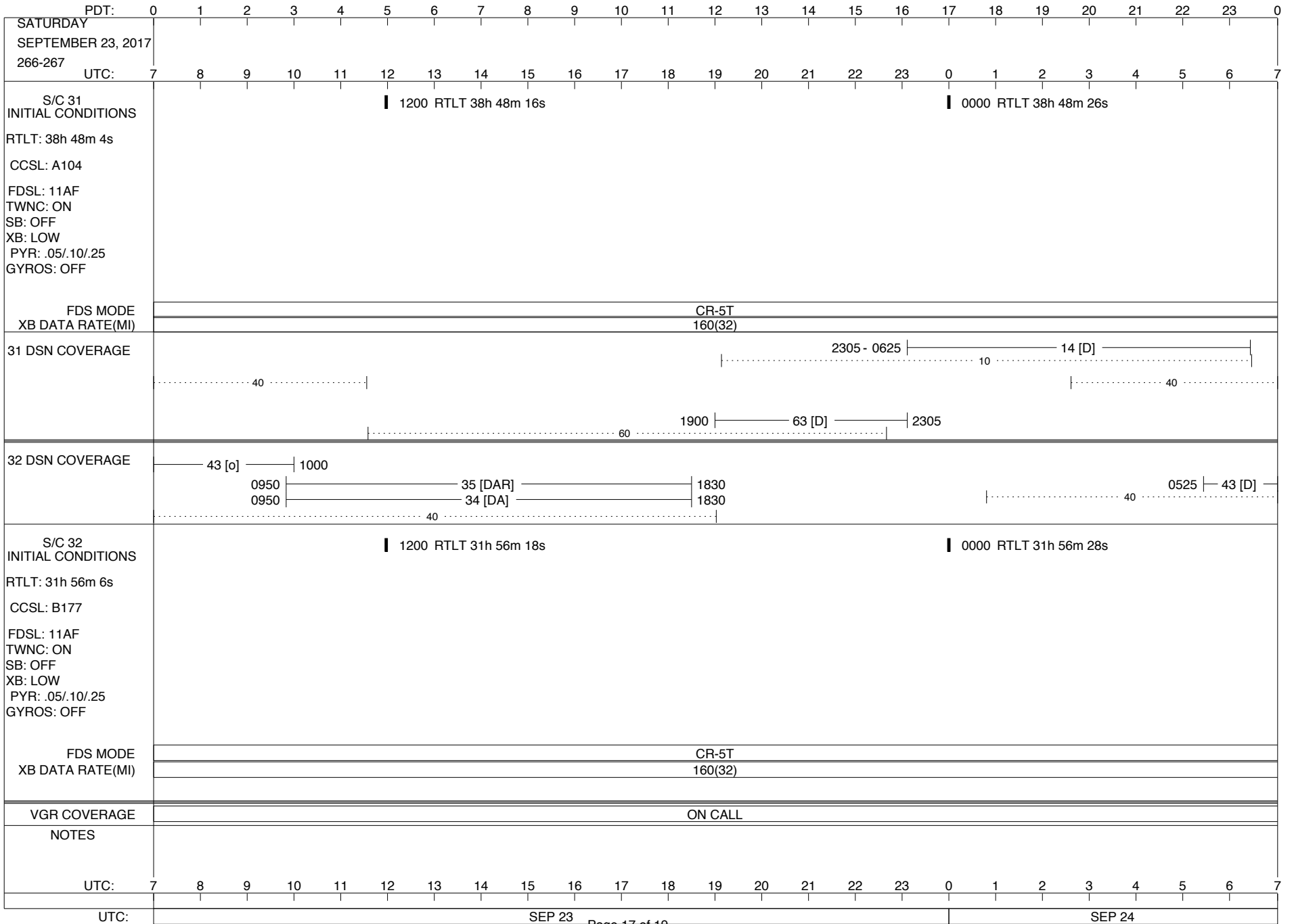
PDT:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
WEDNESDAY																													
SEPTEMBER 20, 2017																													
263-264																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS		1200 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 35 [DAR] 1155 35 [DAR] 1600 35 [DA] 0615</p> <p>35 [DAR] 0950 36 [DA] 1155 36 [DA] 1600 36 [DAR] 0615</p> <p>40 1545 43 [D] 1910</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 * 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			
UTC:		SEP 20														SEP 21													

ISSUE DATE: 09/07/17 12:54

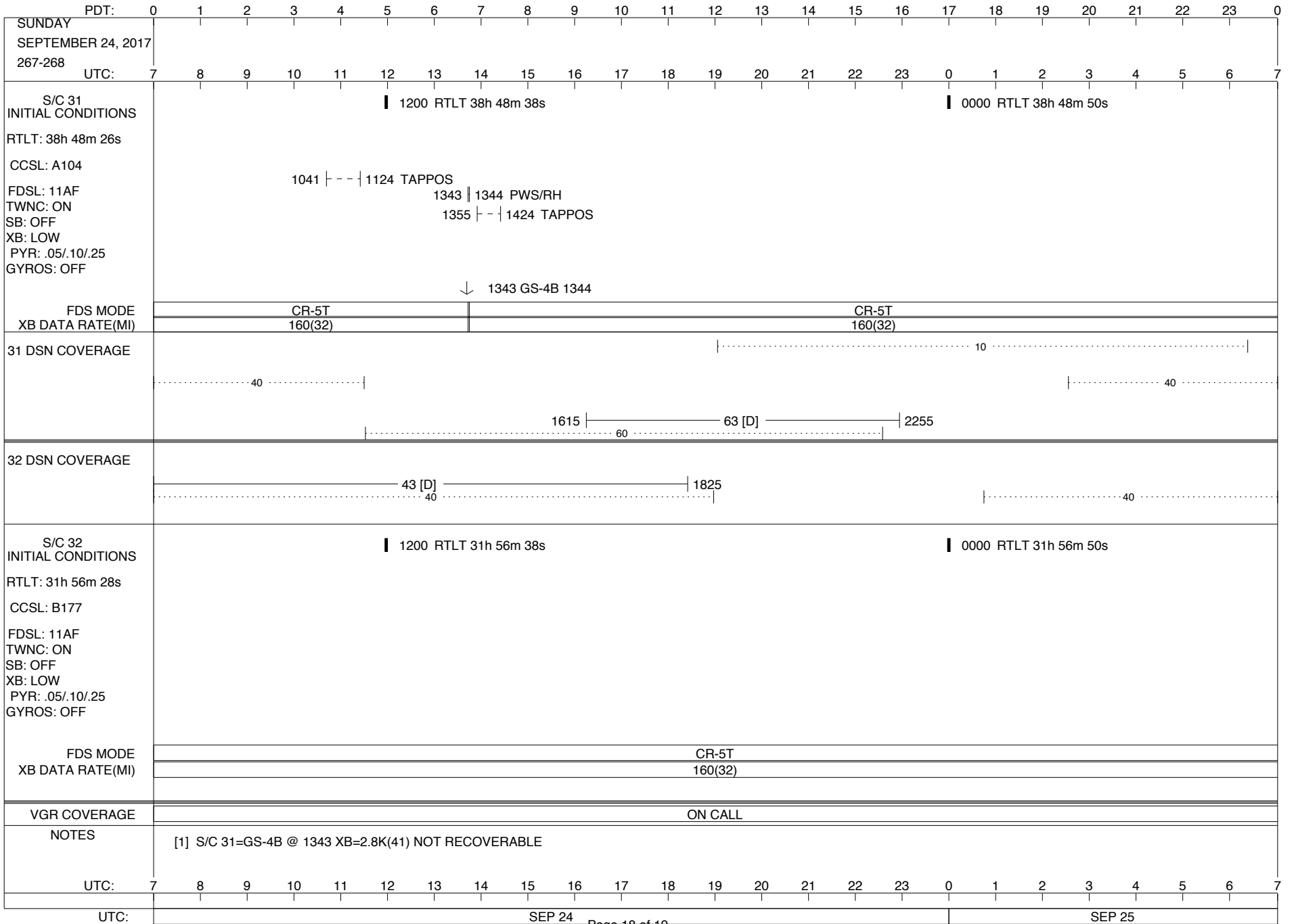


ISSUE DATE: 09/07/17 12:54





ISSUE DATE: 09/07/17 12:54



ISSUE DATE: 09/07/17 12:54

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 25, 2017 268-269																											
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													