

VOYAGER Space Flight Operations Schedule (SFOS)
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Issue Date: September 13, 2017

For the Period: 09/14/17 to 10/02/17 (17/257 – 17/276)

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.	

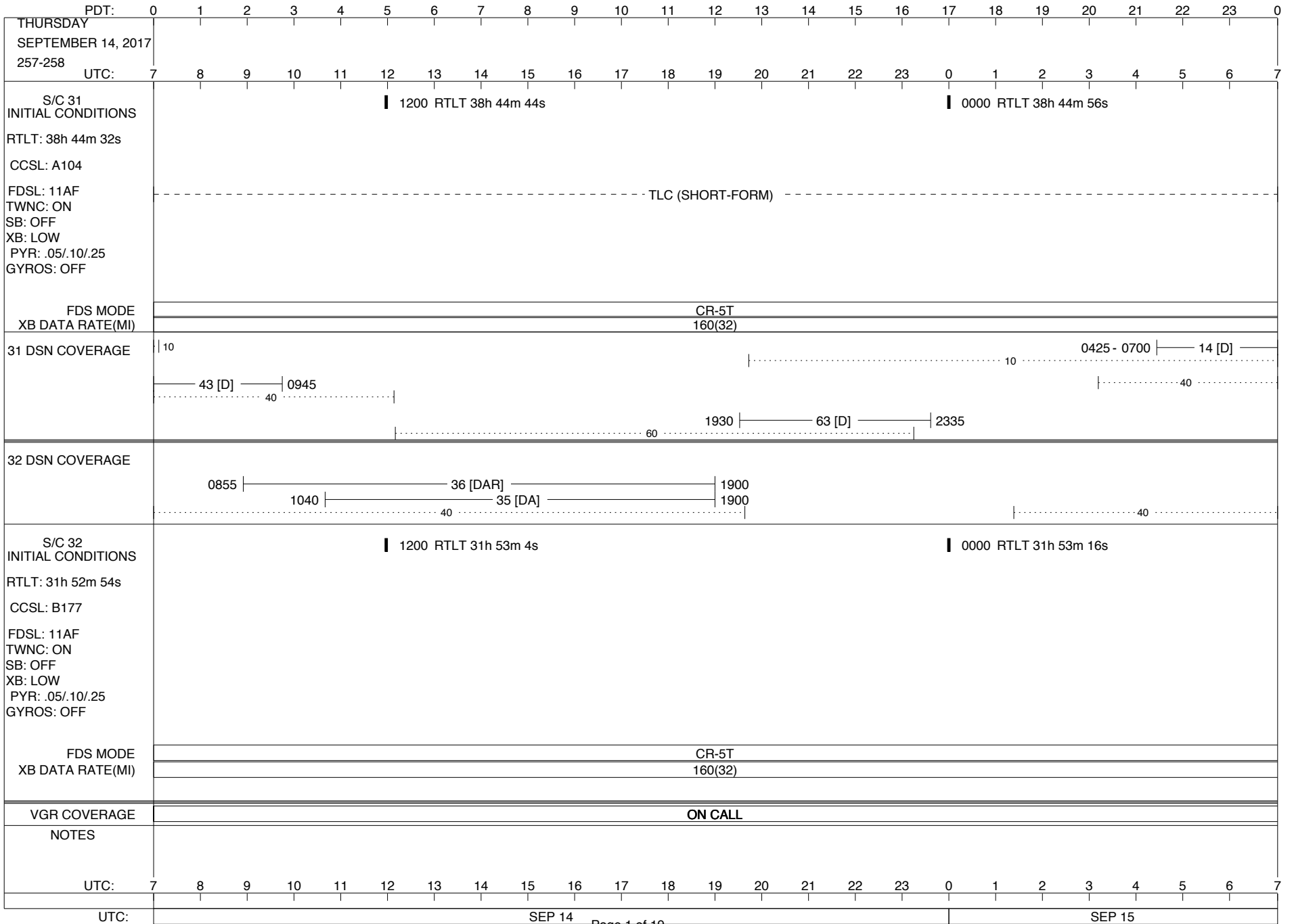
LEGEND:

- ∇ = 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

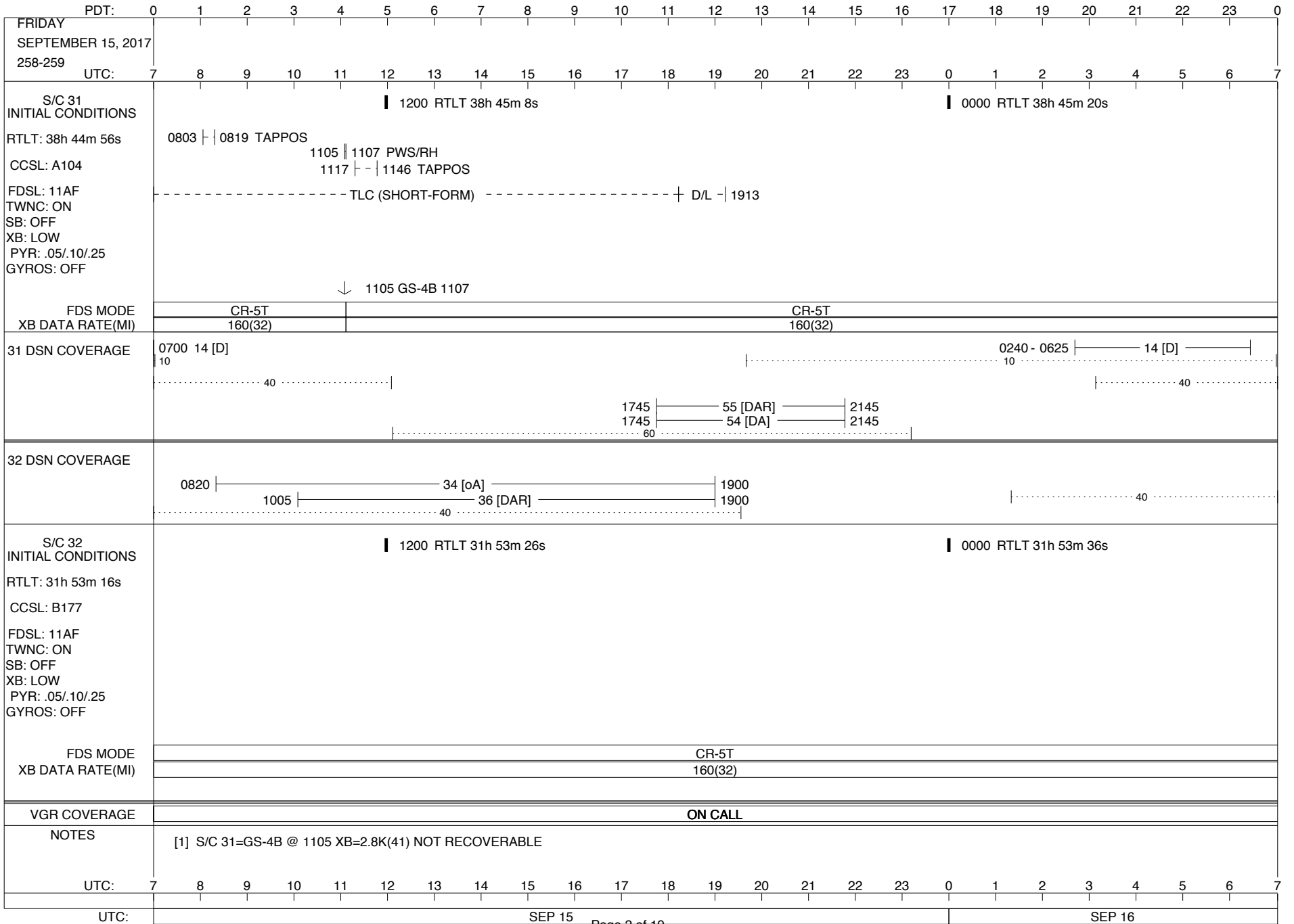
Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

02/27/17

ISSUE DATE: 09/20/17 11:28



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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												█ 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	0820	-----	34 [o]	-----	1225																				
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												

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 RTLT 38h 45m 54s												0000 RTLT 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] 10 40												
	60												1905 63 [D] 2320												
32 DSN COVERAGE	0815 35 [D] 1220 40												1450 43 [D] 1920 35 [DAR] 0610 36 [DA] 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 RTLT 31h 54m 8s												0000 RTLT 31h 54m 18s												
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 @ 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												

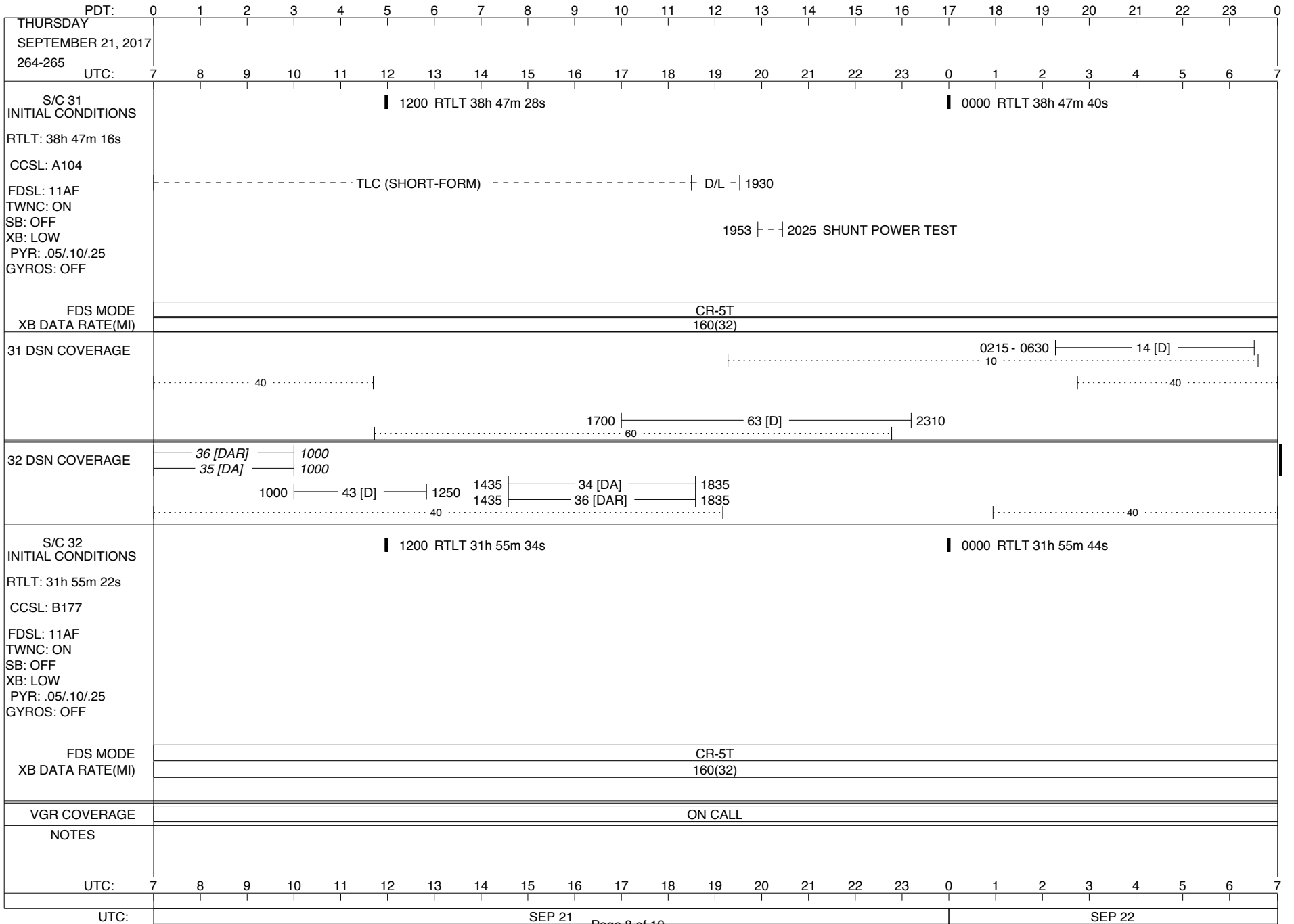
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MONDAY SEPTEMBER 18, 2017 261-262																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 38h 46m 6s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLTL 38h 46m 18s												| 0000 RTLTL 38h 46m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	..... 40												2300 |----- 24 [DA] -----| 0345 2300 |----- 25 [DAR] -----| 0345 |----- 10 -----| 1830 |----- 63 [D] -----| 2315 |----- 60 -----| 34 [DAR] 0620 |-----| 35 [DA] 0620 |-----| |----- 40 -----|												
32 DSN COVERAGE	35 [DAR] |-----| 1300 36 [DA] |-----| 1300 1600 |----- 43 [D] -----| 1920 |----- 40 -----|												43 [H1] 0600 |-----| |----- 40 -----|												
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 RTLTL 31h 54m 30s												| 0000 RTLTL 31h 54m 40s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																						VGR		
NOTES	[1] S/C 32 DSS-43 HPTXR DRV ON >= 0600																								
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 18												SEP 19												

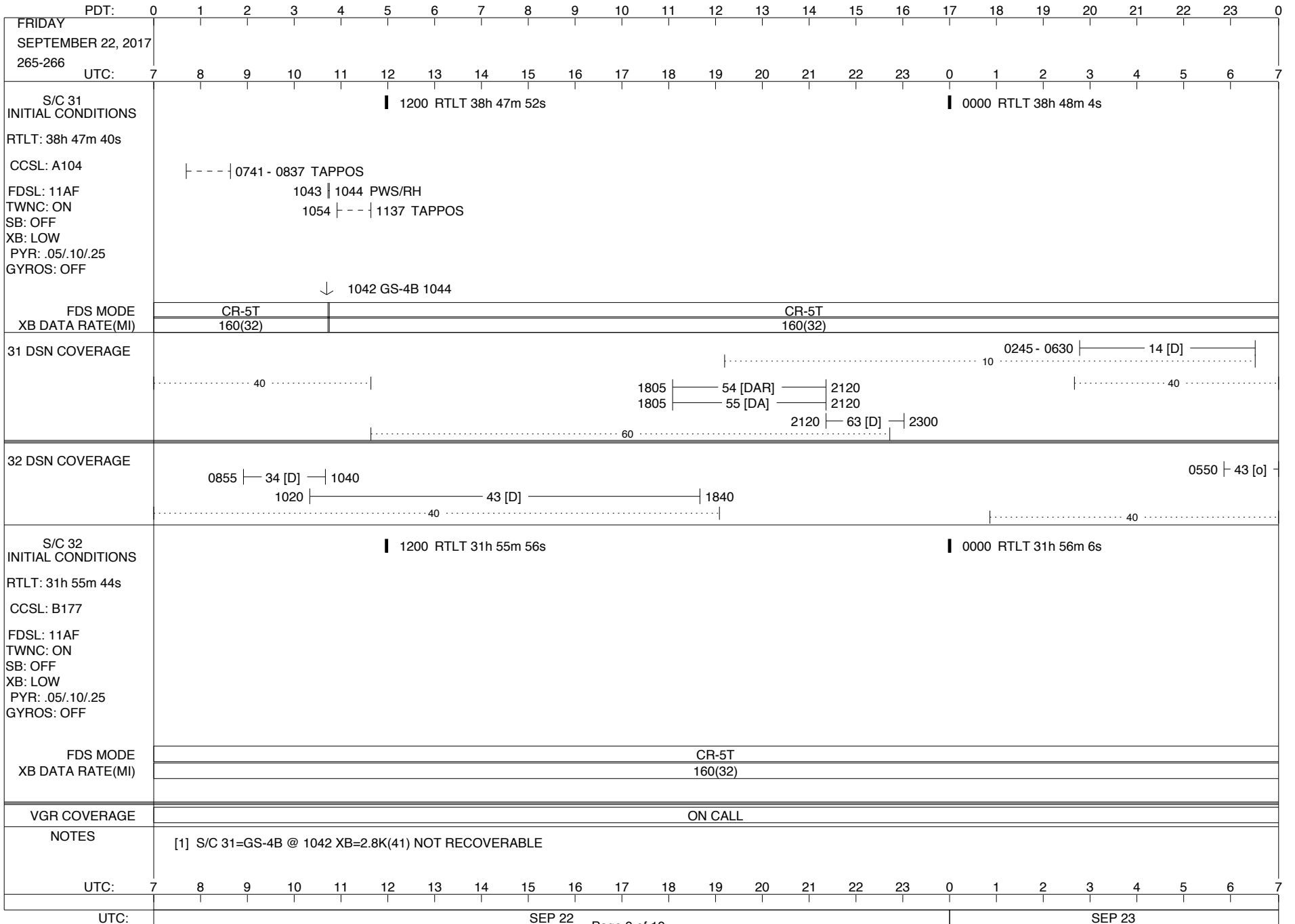
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TUESDAY																													
SEPTEMBER 19, 2017																													
262-263																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS		1200 RTLT 38h 46m 42s														0000 RTLT 38h 46m 54s													
RTLTL: 38h 46m 30s																													
CCSL: A104																													
FDSL: 11AF																▼ 2015 DUMMY (11:02)							U/L 0315 | + TLC (SHORT-FORM)						
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													
RTLTL: 31h 54m 40s																													
CCSL: B177																													
FDSL: 11AF																							PLSCAL 0555 | - - - -						
TWNC: ON																							MAGCAL 0555 | - - - -						
SB: OFF																							PESCAL 0555 | - - - -						
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													

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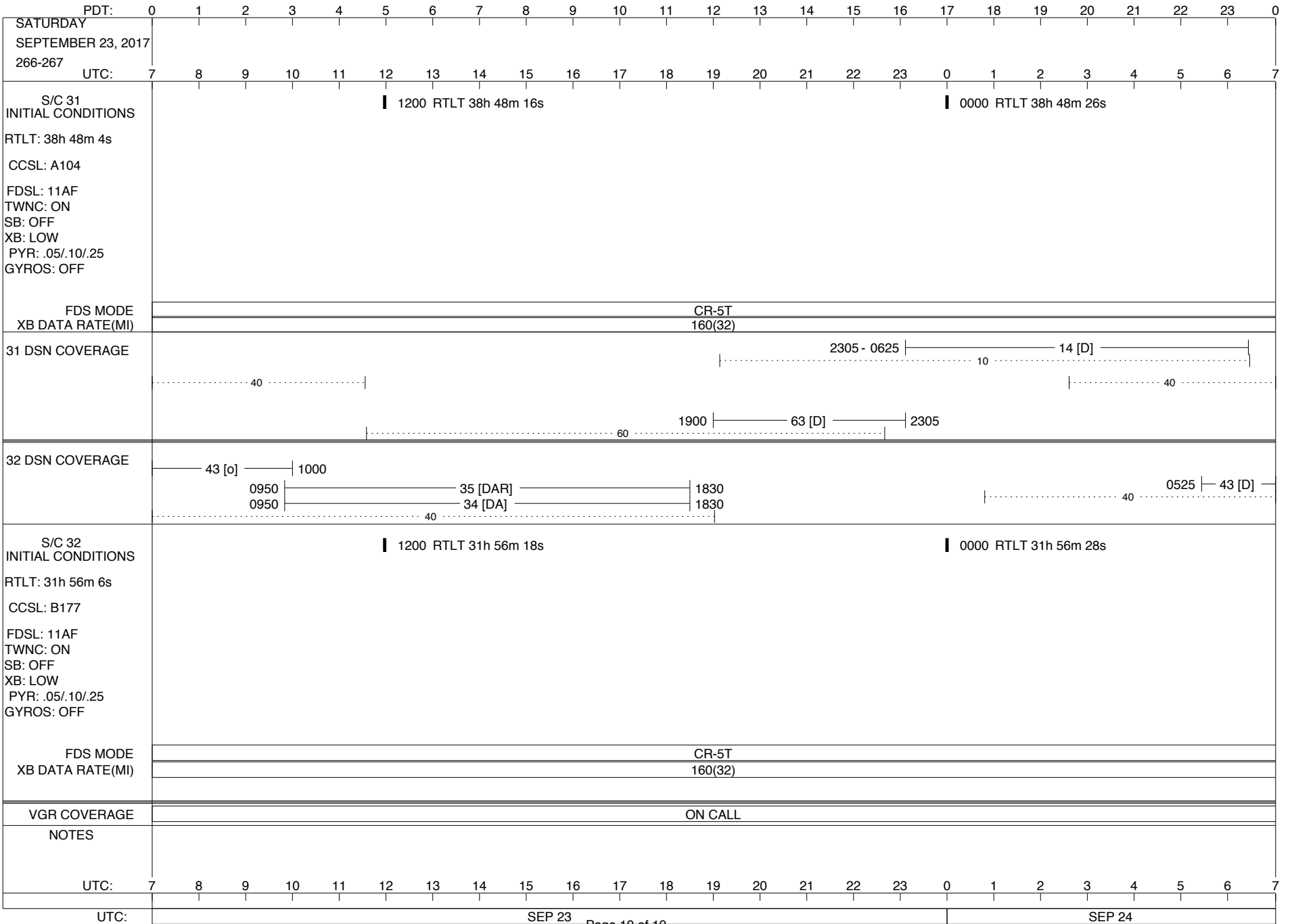
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WEDNESDAY																													
SEPTEMBER 20, 2017																													
263-264																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS		1200 RTLT 38h 47m 6s														0000 RTLT 38h 47m 16s													
RTLT: 38h 46m 54s																													
CCSL: A104																													
FDSL: 11AF																													
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 | 40</p> <p>1905 | 63 [D] | 2310</p> <p>60 | 40</p>																											
32 DSN COVERAGE		<p>34 [DA] | 0950 | 36 [DAR] | 0615</p> <p>35 [DAR] | 0950 | 1155 | 35 [DAR] | 1600 | 35 [DA] | 0615</p> <p>1155 | 36 [DA] | 1600</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																													
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 @ 1417 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													

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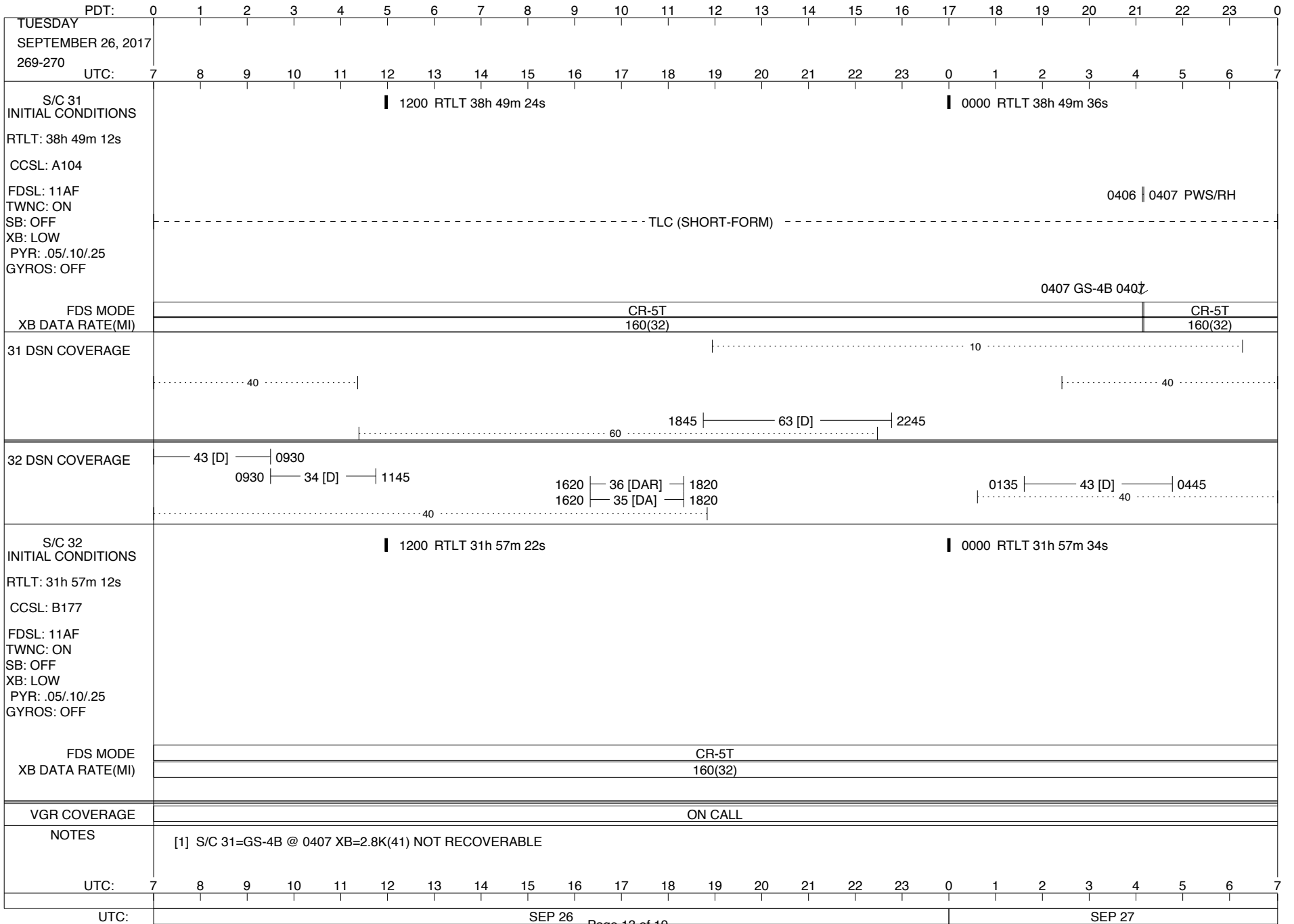
ISSUE DATE: 09/20/17 11:28

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 24, 2017 267-268	
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 26s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 38h 48m 38s 0000 RTLT 38h 48m 50s 1041 |---| 1124 TAPPOS 1343 | 1344 PWS/RH 1355 |---| 1424 TAPPOS ↓ 1343 GS-4B 1344
	FDS MODE CR-5T CR-5T XB DATA RATE(MI) 160(32) 160(32)
	31 DSN COVERAGE .....40 ..... .....1615 .....63 [D] .....2255 .....60
	32 DSN COVERAGE .....43 [D] .....1825 .....40 ..... .....40
S/C 32 INITIAL CONDITIONS RTLT: 31h 56m 28s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 31h 56m 38s 0000 RTLT 31h 56m 50s
	FDS MODE CR-5T XB DATA RATE(MI) 160(32)
	VGR COVERAGE ON CALL
	NOTES [1] S/C 31=GS-4B @ 1343 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 24 SEP 25	

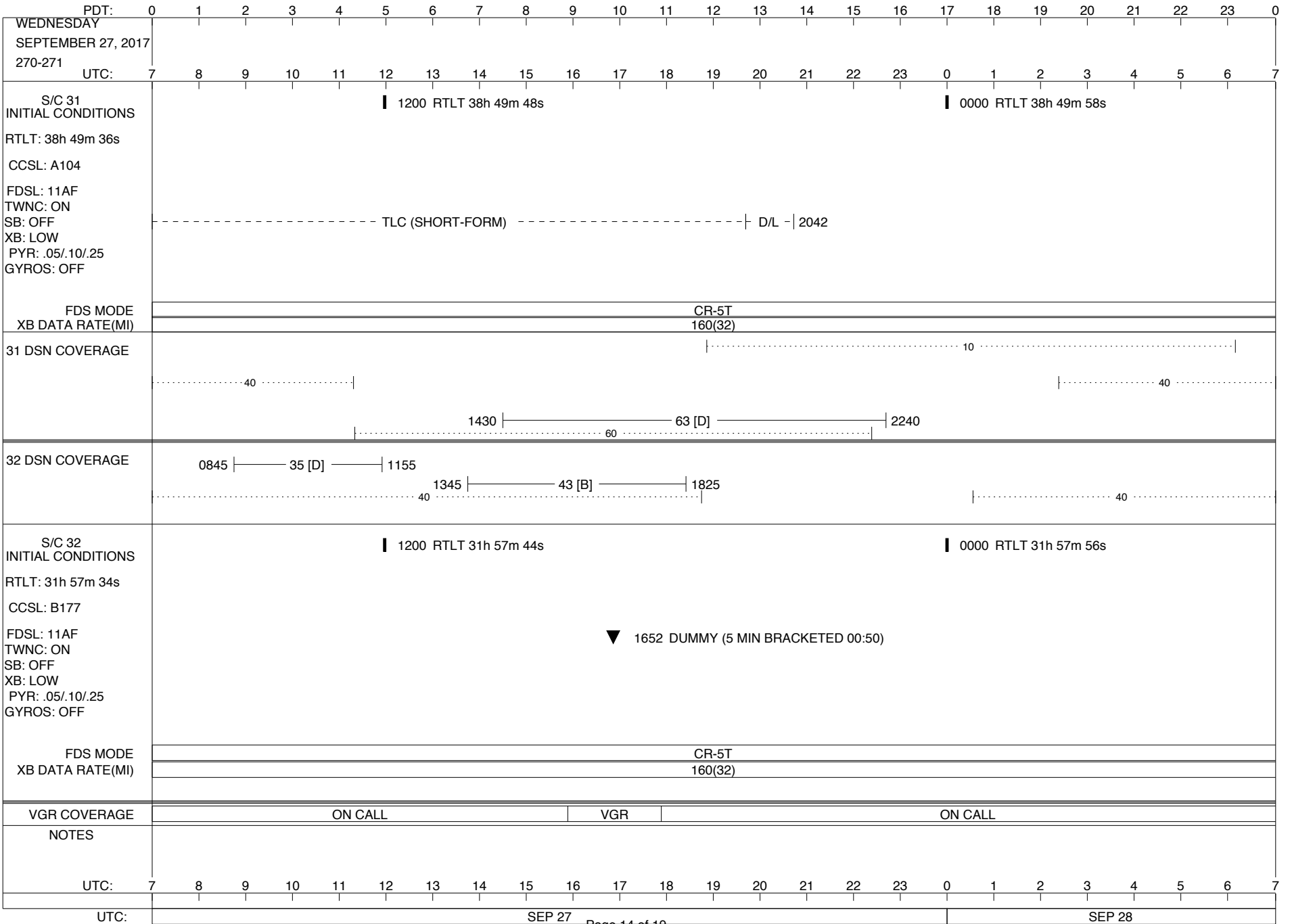
ISSUE DATE: 09/20/17 11:28

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 RTLTL: 38h 48m 50s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLTL 38h 49m 2s												| 0000 RTLTL 38h 49m 12s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												U/L 0425 | - | TLC (SHORT-FORM) | - - - - -												
31 DSN COVERAGE	..... 40 .....												..... 40											
32 DSN COVERAGE	0745 |----- 35 [D] -----| 1150 40												1530 |----- 43 [D] -----| 1845 40												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 56m 50s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLTL 31h 57m 0s												| 0000 RTLTL 31h 57m 12s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES	[1] B178 BACKUP U/L SUPPORT, HP DRV ON >= 02:03.																								
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												

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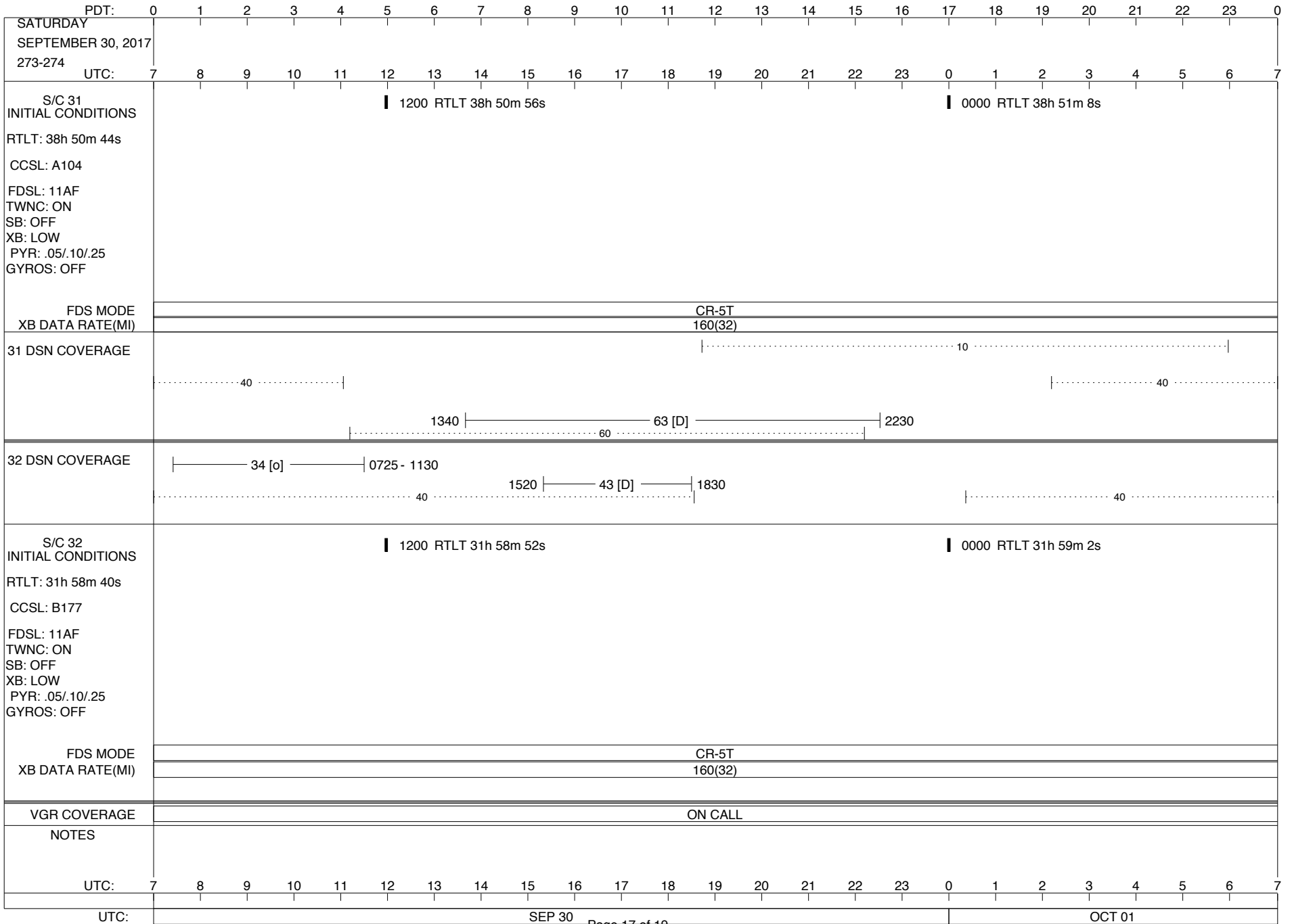


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UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
THURSDAY SEPTEMBER 28, 2017 271-272																												
S/C 31 INITIAL CONDITIONS RTLT: 38h 49m 58s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLT 38h 50m 10s														| 0000 RTLT 38h 50m 22s													
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE	.....40.....|														|.....10.....|													
	.....40.....|														|.....40.....|													
	.....60.....|														1840 |-----63 [D]-----| 2240													
32 DSN COVERAGE	0745 |-----34 [D]-----| 1145														1525 |-----43 [D]-----| 1830													
	.....40.....|														|.....40.....|													
S/C 32 INITIAL CONDITIONS RTLT: 31h 57m 56s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	| 1200 RTLT 31h 58m 6s														| 0000 RTLT 31h 58m 18s													
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 28														SEP 29													

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 SEPTEMBER 29, 2017 272-273																											
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 50m 22s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 50m 34s												0000 RTLTL 38h 50m 44s														
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE	.....40.....|												.....10.....|														
	.....40.....|												.....40.....|														
	.....1715|.....63 [D].....|2235												.....60.....|														
32 DSN COVERAGE	.....34 [D].....|0730 - 1135												.....1525|.....43 [D].....|1840												
	.....40.....|												.....40.....|														
S/C 32 INITIAL CONDITIONS RTLTL: 31h 58m 18s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 31h 58m 30s												0000 RTLTL 31h 58m 40s														
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
VGR COVERAGE													ON CALL														
NOTES	[1] S/C 31=GS-4B @ 1020 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 29														SEP 30												

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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 OCTOBER 1, 2017 274-275	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 51m 8s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 38h 51m 18s												0000 RTLTL 38h 51m 30s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	40												0150 | 14 [D] | 0555 1830 | 63 [D] | 2230												
32 DSN COVERAGE	0945 | 35 [D] | 1145 1425 | 43 [D] | 1840												40												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 59m 2s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 31h 59m 14s												0000 RTLTL 31h 59m 24s												
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 @ 1320 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:	OCT 01												OCT 02												

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 OCTOBER 2, 2017 275-276	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 51m 30s CCSL: A104 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">| 1200 RTLT 38h 51m 42s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p style="text-align: center;">.....40.....|</p> <p style="text-align: center;">1300 |-----63-----| 1730</p> <p style="text-align: center;">|-----60-----|</p>																										
32 DSN COVERAGE	<p style="text-align: center;">1205 |-----35 [DAR]-----| 1735</p> <p style="text-align: center;">1205 |-----36 [DA]-----| 1735</p> <p style="text-align: center;">.....40.....|</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 31h 59m 24s CCSL: B177 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">| 1200 RTLT 31h 59m 36s</p>																										
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:	OCT 02													OCT 03													