

<b>VOYAGER</b> <b>Space Flight Operations Schedule (SFOS)</b>
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Issue Date: September 26, 2018

For the Period: 09/27/18 to 10/08/18 (18/270 – 18/288)

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:**

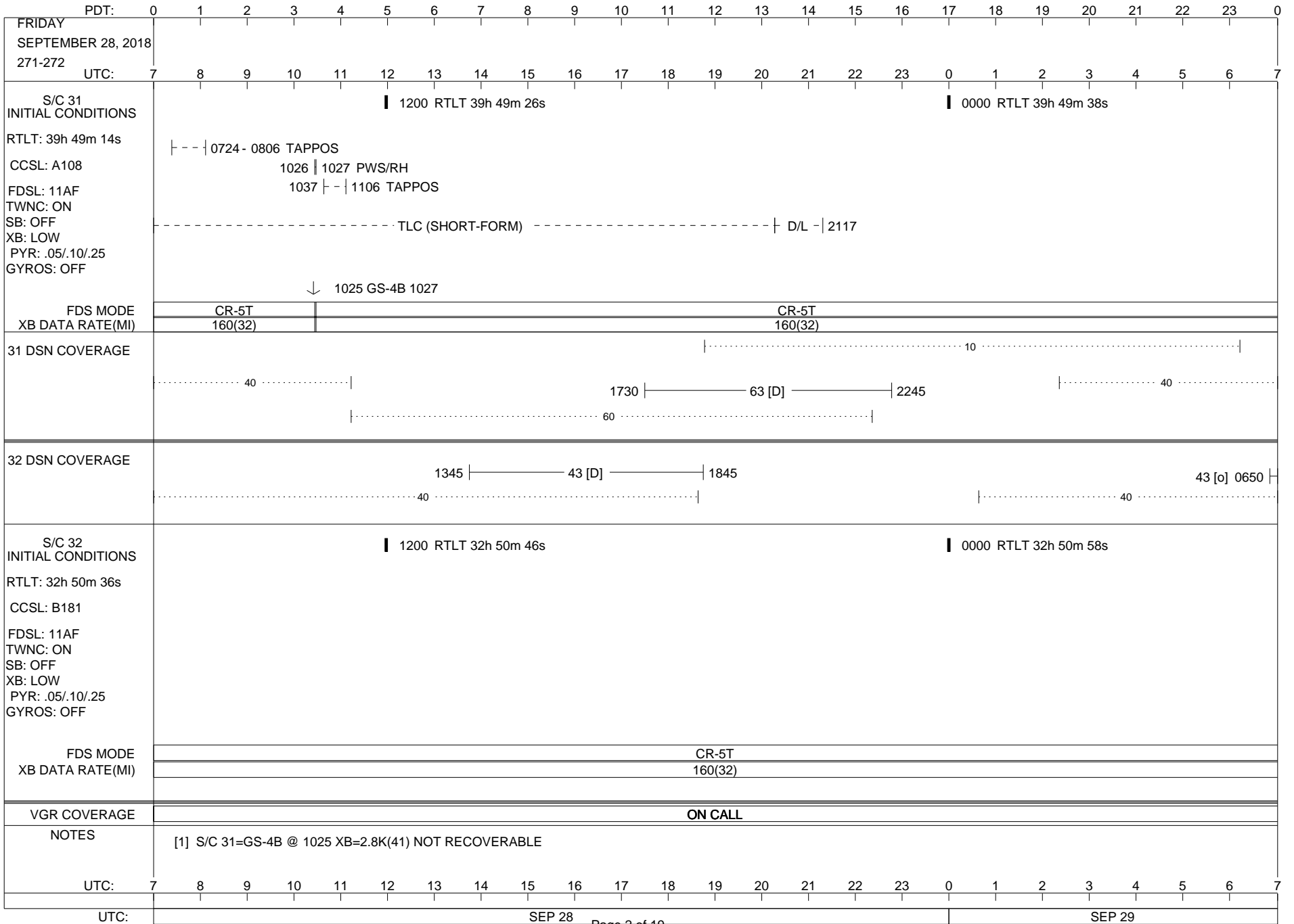
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- \* = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U = Uplink only pass
- [o] = Ramp-through

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

02/27/17

ISSUE DATE: 09/26/18 08:25

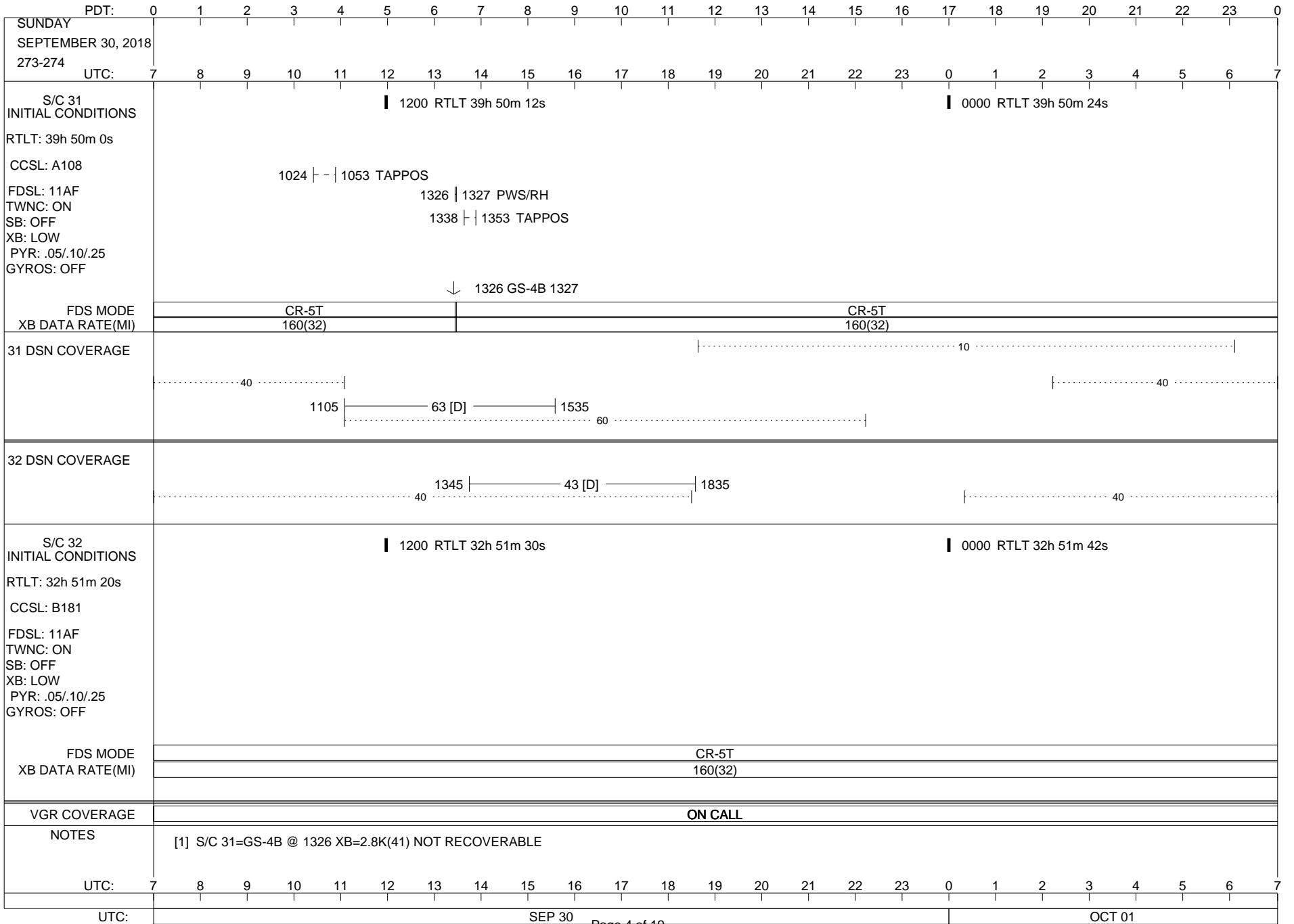
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THURSDAY SEPTEMBER 27, 2018 270-271																											
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S/C 31 INITIAL CONDITIONS RTLT: 39h 48m 52s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 49m 4s															█ 0000 RTLT 39h 49m 14s						
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 32h 50m 14s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 50m 24s																█ 0000 RTLT 32h 50m 36s					
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 27													SEP 28													



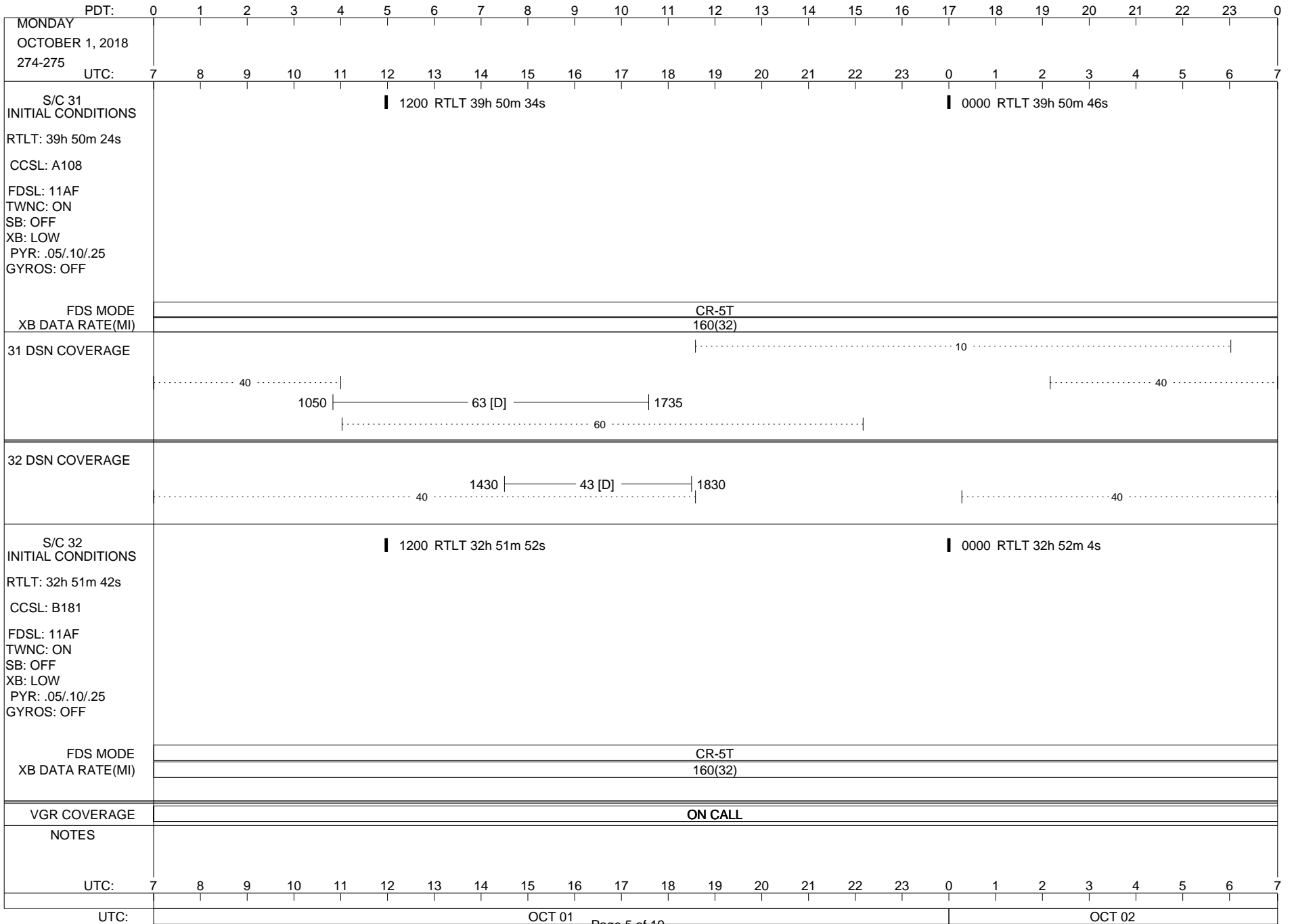
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SATURDAY SEPTEMBER 29, 2018 272-273																									
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S/C 31 INITIAL CONDITIONS RTLTL: 39h 49m 38s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200																			
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 32h 50m 58s CCSL: B181 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:																									

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ISSUE DATE: 09/26/18 08:25

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 OCTOBER 2, 2018 275-276	
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: 39h 50m 46s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 50m 56s 0000 RTLT 39h 51m 8s 0349   0350 PWS/RH ↓ 0349 GS-4B 0350
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	0005   14 [D]   0510 40 ..... 40 60 .....
32 DSN COVERAGE	1410   43 [D]   1825 40 ..... 40
S/C 32 INITIAL CONDITIONS RTLT: 32h 52m 4s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 52m 14s 0000 RTLT 32h 52m 26s
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
VGR COVERAGE	ON CALL
NOTES	[1] S/C 31=GS-4B @ 0349 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 02 Page 6 of 19 OCT 03	

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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			
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			
WEDNESDAY OCTOBER 3, 2018 276-277																												
S/C 31 INITIAL CONDITIONS RTLT: 39h 51m 8s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 51m 20s												0000 RTLT 39h 51m 30s															
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	40												2055  ----- 14 [D] -----  0055  ----- 10 -----  40															
32 DSN COVERAGE	40												1340  ----- 43 [D] -----  1825 40															
S/C 32 INITIAL CONDITIONS RTLT: 32h 52m 26s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 52m 36s												0000 RTLT 32h 52m 48s															
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 03														OCT 04													



ISSUE DATE: 09/26/18 08:25

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 OCTOBER 4, 2018 277-278																									
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: 39h 51m 30s CCSL: A108 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 RTLT: 32h 52m 48s CCSL: B181 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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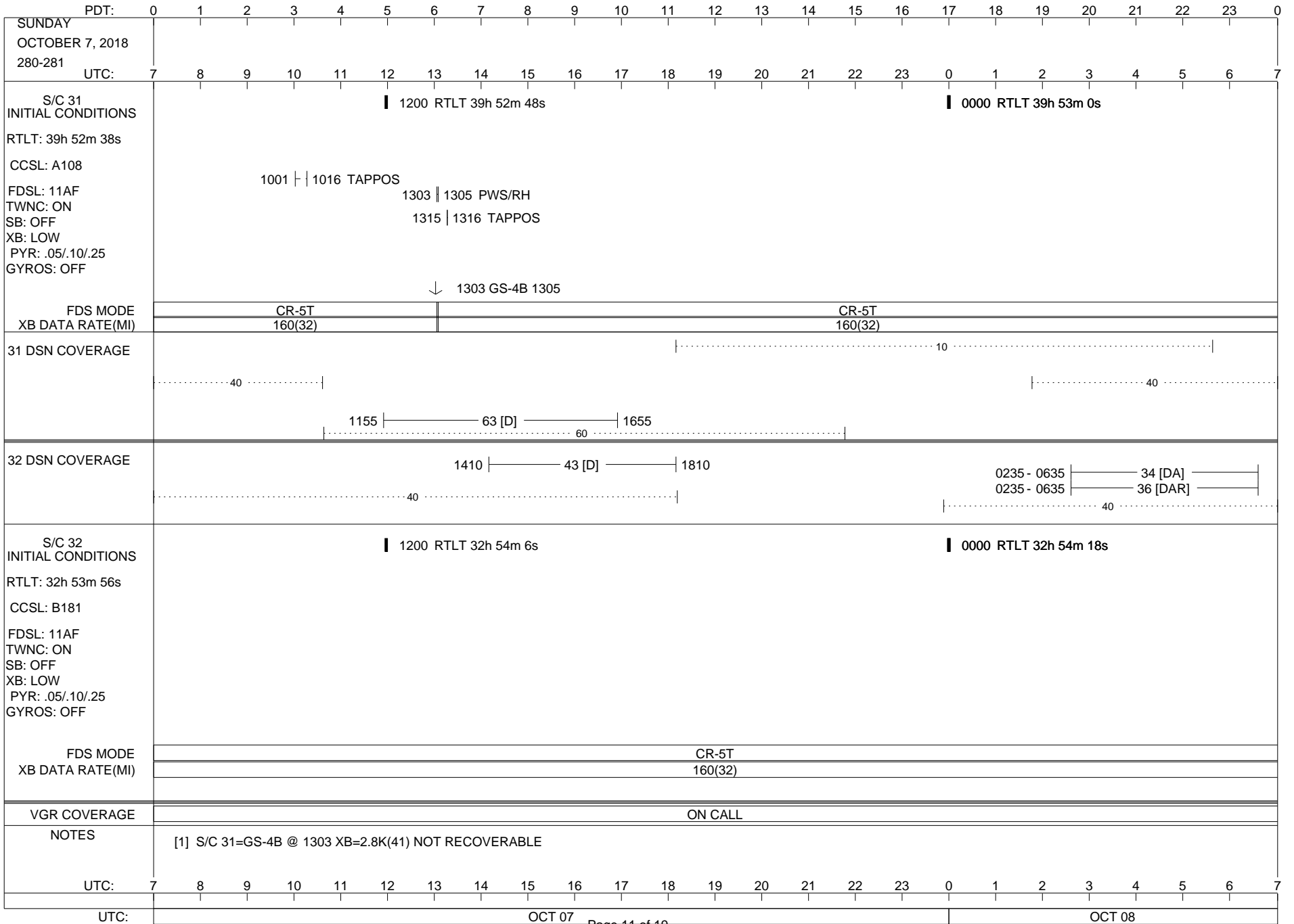
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PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0			
FRIDAY OCTOBER 5, 2018 278-279			
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7			
S/C 31 INITIAL CONDITIONS RTLT: 39h 51m 52s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	<p>1200 RTLT 39h 52m 4s</p> <p>0000 RTLT 39h 52m 16s</p> <p>0701 - 0730 TAPPOS 1003   1004 PWS/RH 1015     1030 TAPPOS</p> <p>↓ 1003 GS-4B 1004</p>		
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T 160(32)</td> <td>CR-5T 160(32)</td> </tr> </table>	CR-5T 160(32)	CR-5T 160(32)
CR-5T 160(32)	CR-5T 160(32)		
31 DSN COVERAGE	<p>40 .....   ..... 10 .....  </p> <p>40 .....   ..... 40 .....  </p> <p>1545  ----- 63 [D] -----  1950</p> <p>..... 60 .....</p>		
32 DSN COVERAGE	<p>40 ..... 1415  ----- 43 [D] -----  1815 ..... 40</p>		
S/C 32 INITIAL CONDITIONS RTLT: 32h 53m 10s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	<p>1200 RTLT 32h 53m 22s</p> <p>0000 RTLT 32h 53m 32s</p>		
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td></td> <td>CR-5T 160(32)</td> </tr> </table>		CR-5T 160(32)
	CR-5T 160(32)		
VGR COVERAGE	ON CALL		
NOTES	[1] S/C 31=GS-4B @ 1003 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 05   OCT 06			

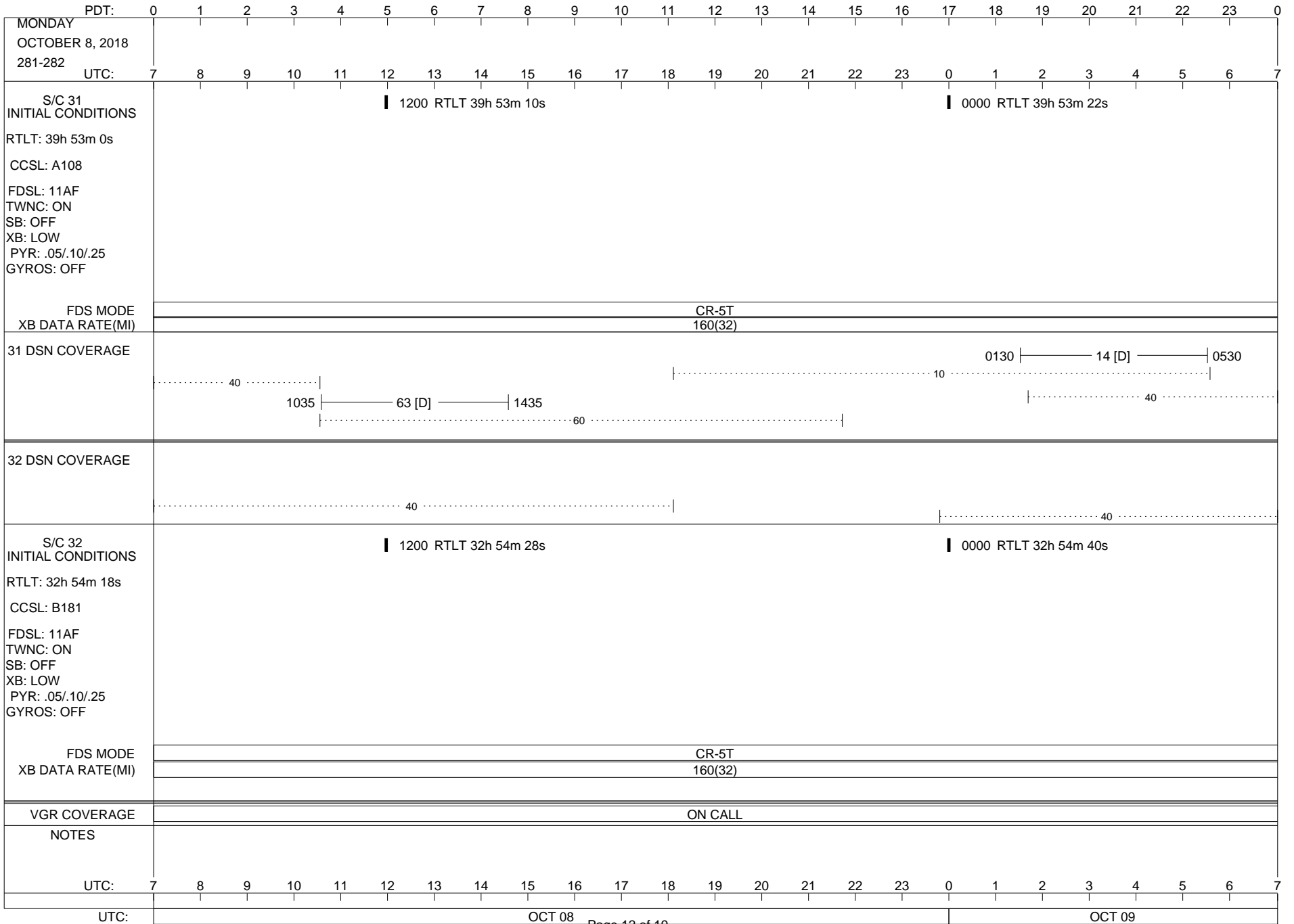
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SATURDAY OCTOBER 6, 2018 279-280																														
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7					
S/C 31 INITIAL CONDITIONS RTLT: 39h 52m 16s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 39h 52m 26s</p> <p>1320 * 1327 CCSL A109A CHKSUM</p> <p>1345 * 1348 2 AHELI2 SID MRO'S</p> <p>EL-40 1249 * ↓ * 1349 CR-5T</p>												<p>0000 RTLT 39h 52m 38s</p>																	
FDS MODE	CR-5T						EL-40						CR-5T																	
XB DATA RATE(MI)	160(32)						40(30)						160(32)																	
31 DSN COVERAGE	<p>1045  -----  63 [D]  -----  1505</p> <p>40  -----  60  ----- </p>												<p>10  ----- </p> <p>40  ----- </p>																	
32 DSN COVERAGE	<p>1315  -----  43 [B]  -----  1810</p> <p>40  -----  40  ----- </p>												<p>40  ----- </p>																	
S/C 32 INITIAL CONDITIONS RTLT: 32h 53m 32s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 32h 53m 44s</p> <p>1737 ▼ DUMMY (5 MIN BRACKETED 02:31)</p>												<p>0000 RTLT 32h 53m 56s</p>																	
FDS MODE	CR-5T																													
XB DATA RATE(MI)	160(32)																													
VGR COVERAGE	ON CALL						VGR						ON CALL						VGR						ON CALL					
NOTES	<p>[1] S/C 31=EL-40 @ 1249 XB=40(30)</p> <p>[2] S/C 31=CR-5T @ 1349 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:	OCT 06												OCT 07																	

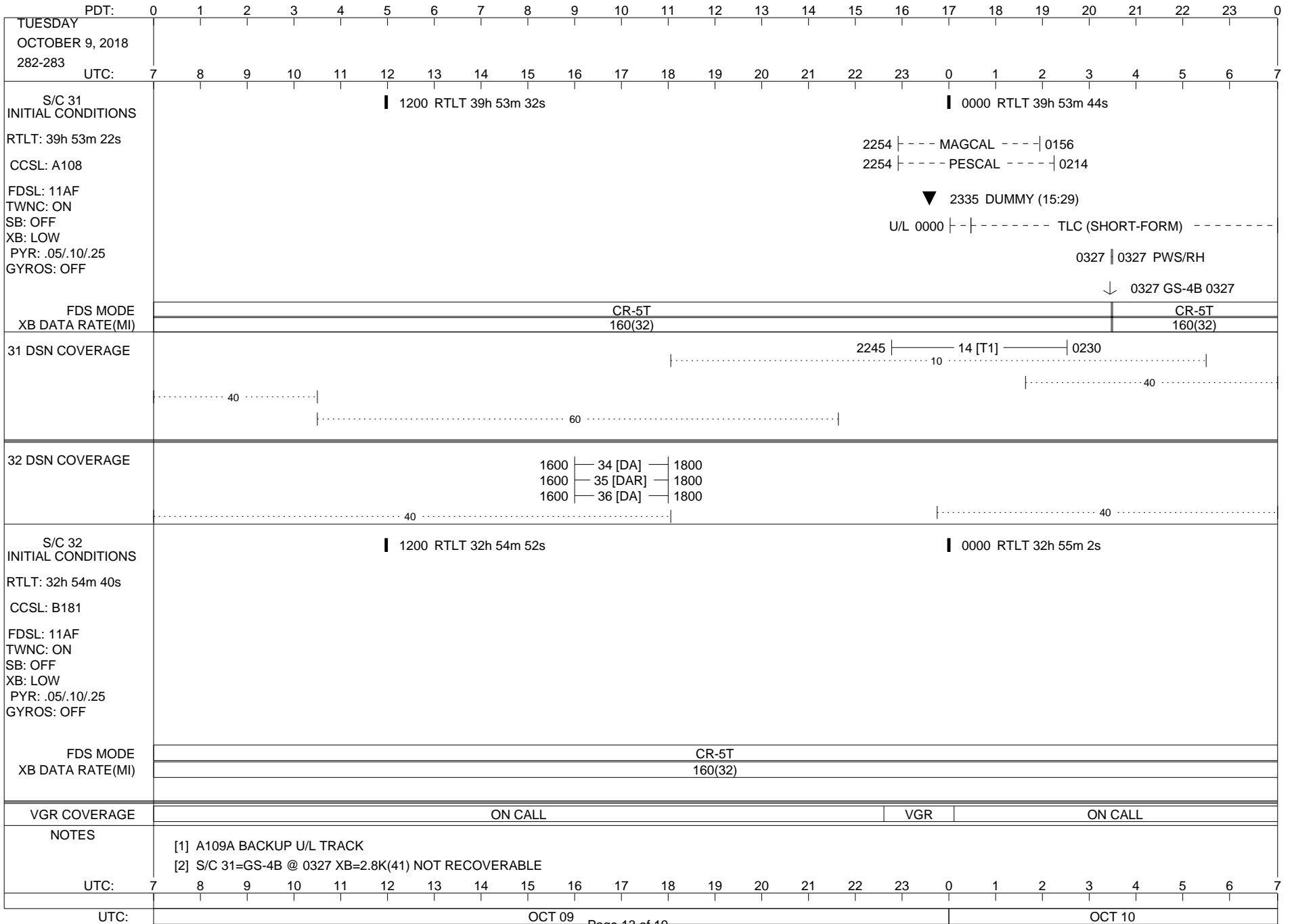
ISSUE DATE: 09/26/18 08:25



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ISSUE DATE: 09/26/18 08:25



ISSUE DATE: 09/26/18 08:25

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  
OCTOBER 10, 2018  
283-284

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: 39h 53m 44s  
CCSL: A108  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLTL 39h 53m 54s

0000 RTLTL 39h 54m 4s

TLC (SHORT-FORM)

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32  
INITIAL CONDITIONS  
RTLTL: 32h 55m 2s  
CCSL: B181  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLTL 32h 55m 14s

0000 RTLTL 32h 55m 26s

FDS MODE  
XB DATA RATE(MI)

CR-5T  
160(32)

VGR COVERAGE

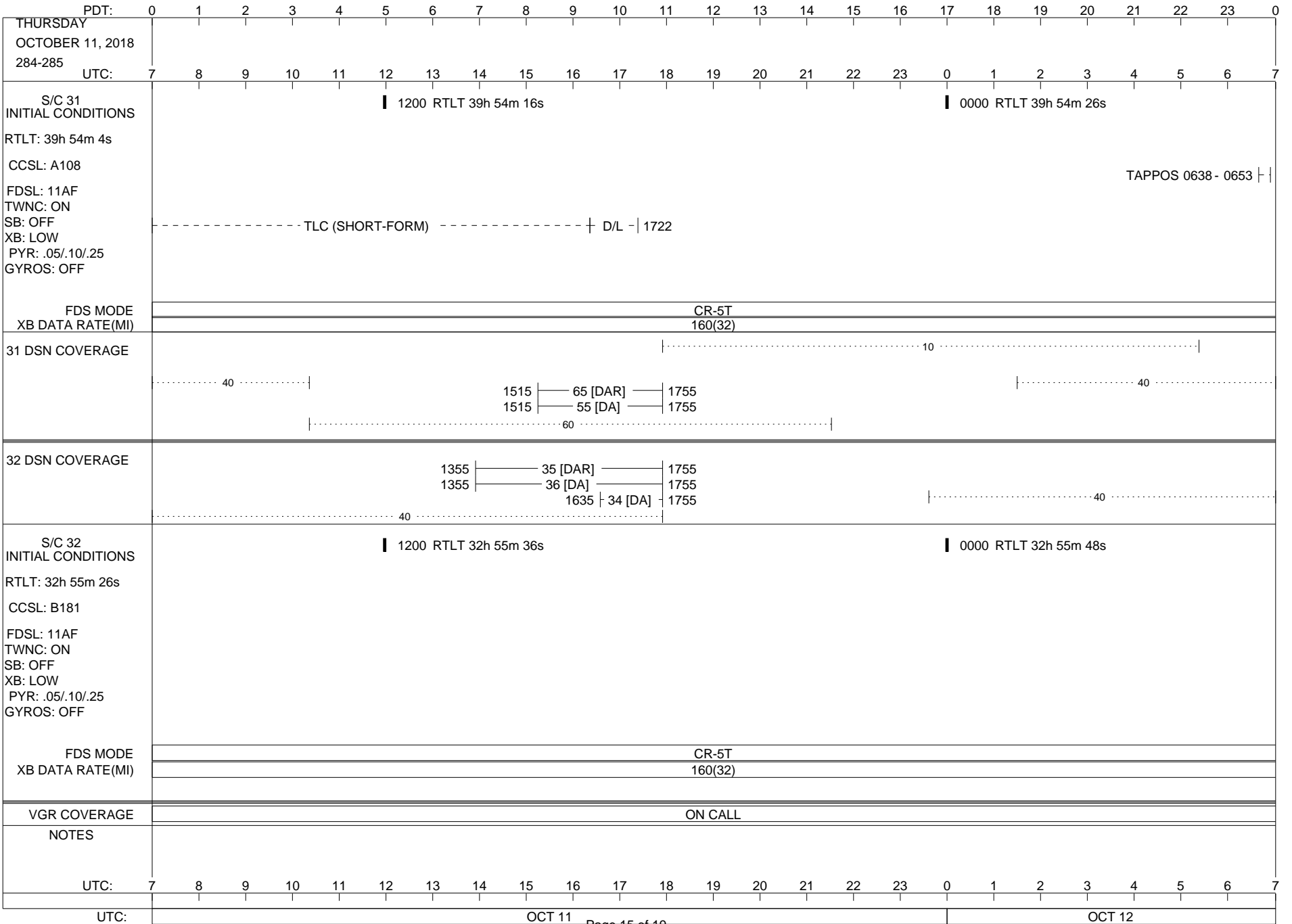
ON CALL

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

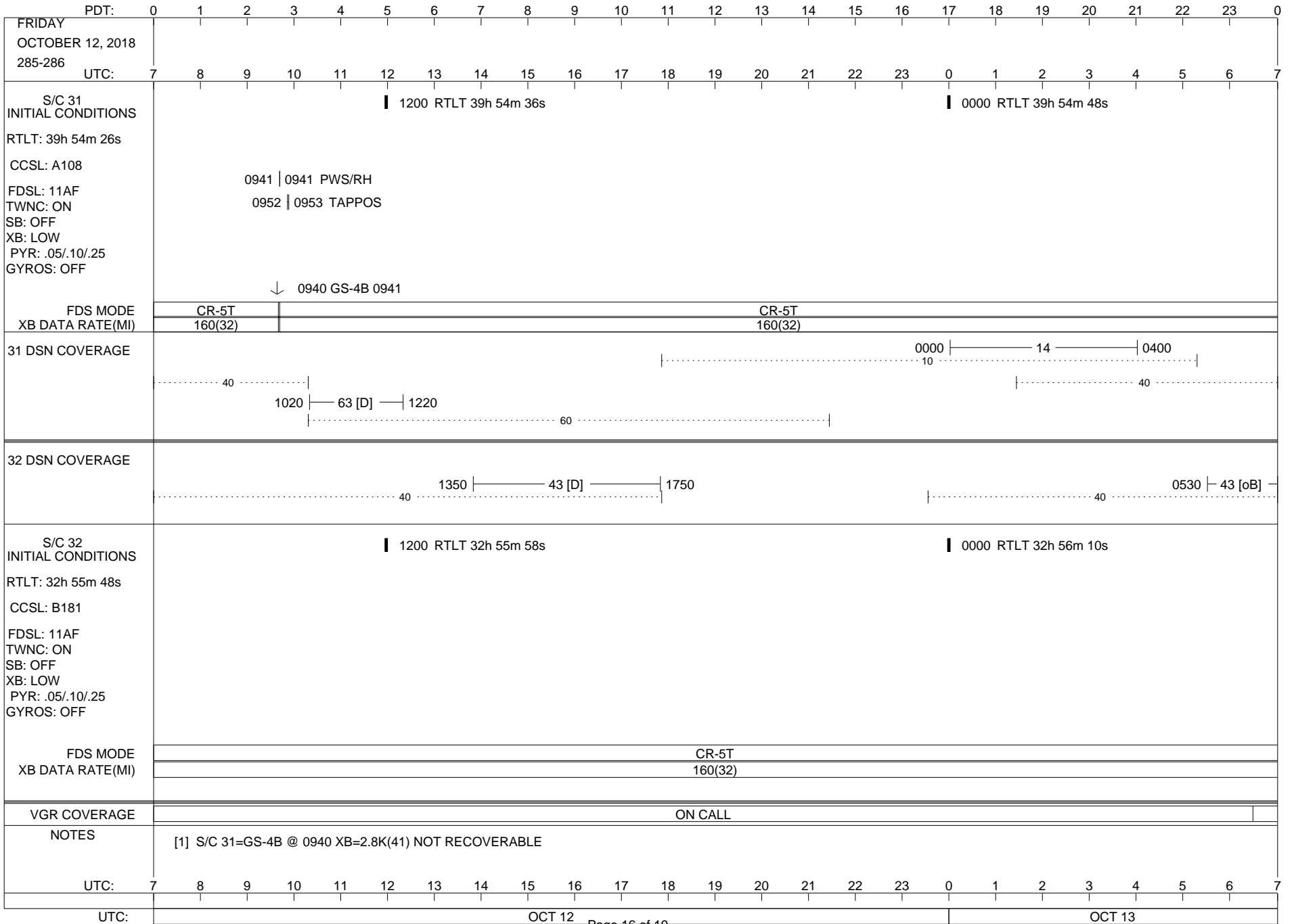
UTC: OCT 10 Page 14 of 19 OCT 11

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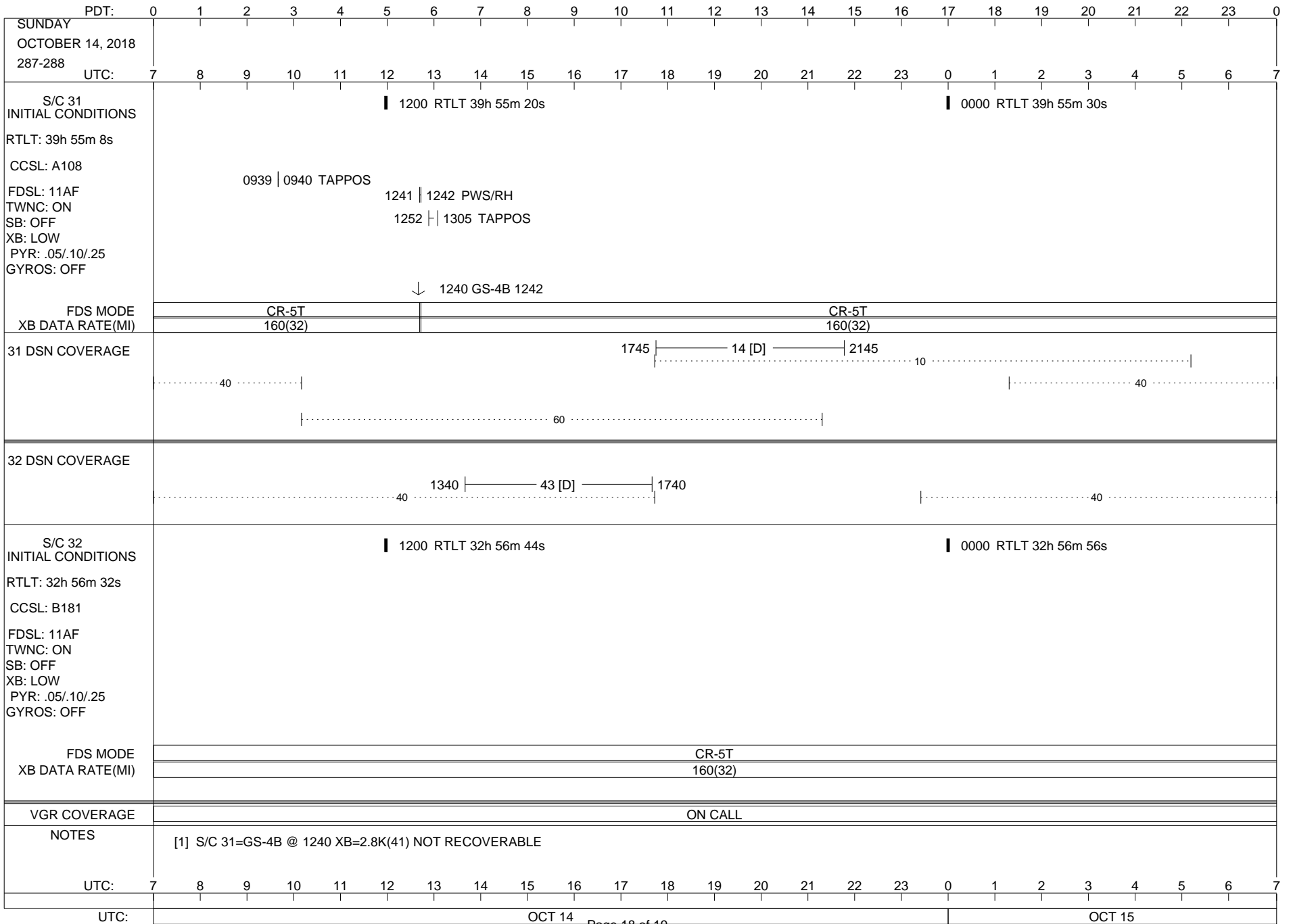
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ISSUE DATE: 09/26/18 08:25

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SATURDAY																													
OCTOBER 13, 2018																													
286-287																													
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: 39h 54m 48s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 39h 54m 58s														0000 RTLT 39h 55m 8s													
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS RTLT: 32h 56m 10s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 32h 56m 22s														0000 RTLT 32h 56m 32s													
		▼ 0727 DUMMY (5 MIN BRACKETED 16:24)																											
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
VGR COVERAGE		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 13														OCT 14													

ISSUE DATE: 09/26/18 08:25



ISSUE DATE: 09/26/18 08:25

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 15, 2018 288-289																											
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: 39h 55m 30s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 55m 40s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 32h 56m 56s CCSL: B181 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 57m 6s																										
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 15													OCT 16													