

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 13, 2017

For the Period: 12/14/17 to 01/01/18 (17/348 – 18/001)

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.	

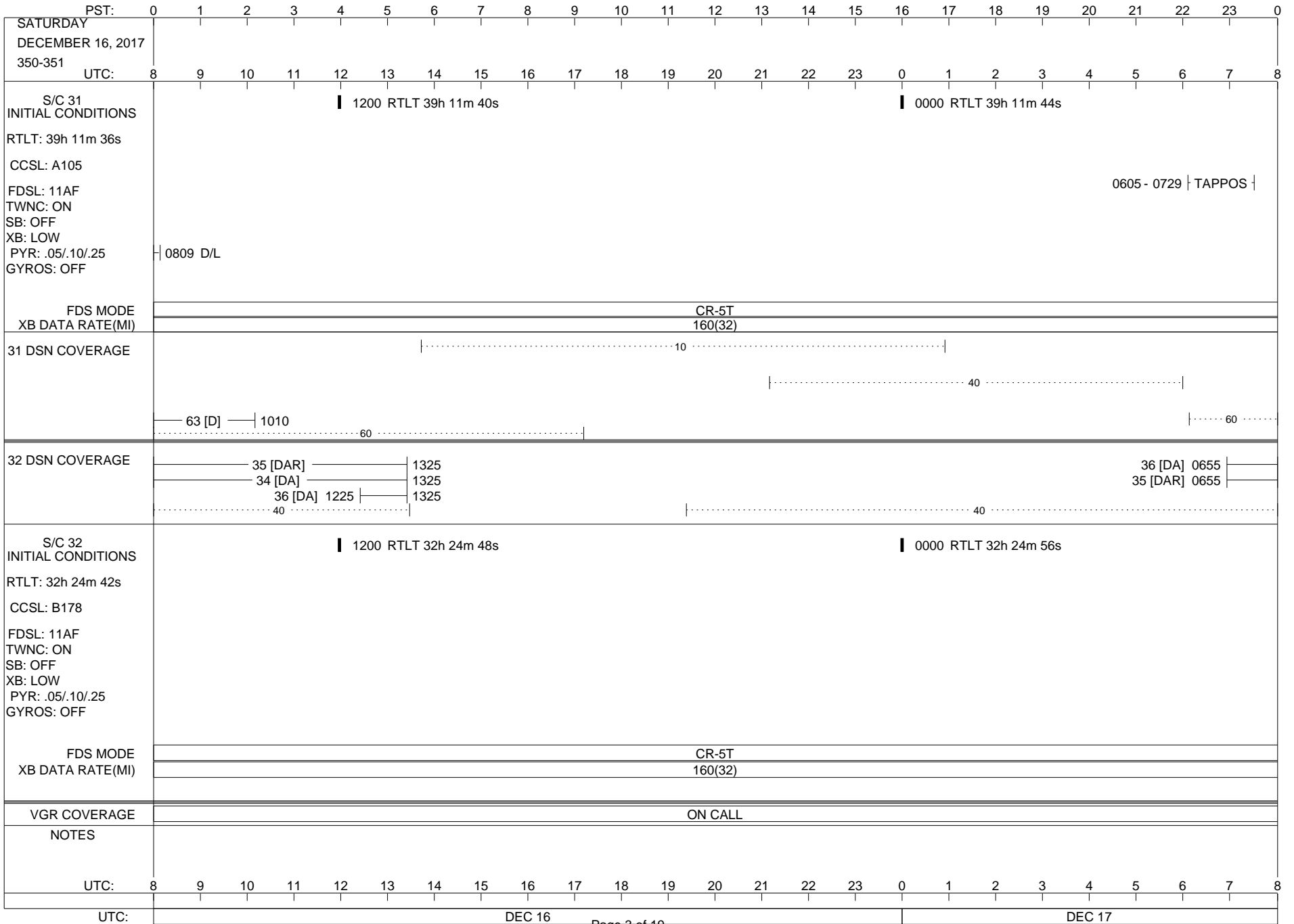
LEGEND:

- ∇ = 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: 12/13/17 07:28



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PST:	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 DECEMBER 17, 2017 351-352	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 39h 11m 44s CCSL: A105 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 46s												0000 RTLT 39h 11m 50s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1340 ----- 14 [D] ----- 1740												10 ----- 40 ----- 0620 ----- 63 [D] ----- 60												
32 DSN COVERAGE	36 [DA] ----- 1320 35 [DAR] ----- 1320 34 [DA] 1220 ----- 1320												40 ----- 40												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 24m 56s CCSL: B178 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 25m 4s												0000 RTLT 32h 25m 10s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0906 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	DEC 17												DEC 18												

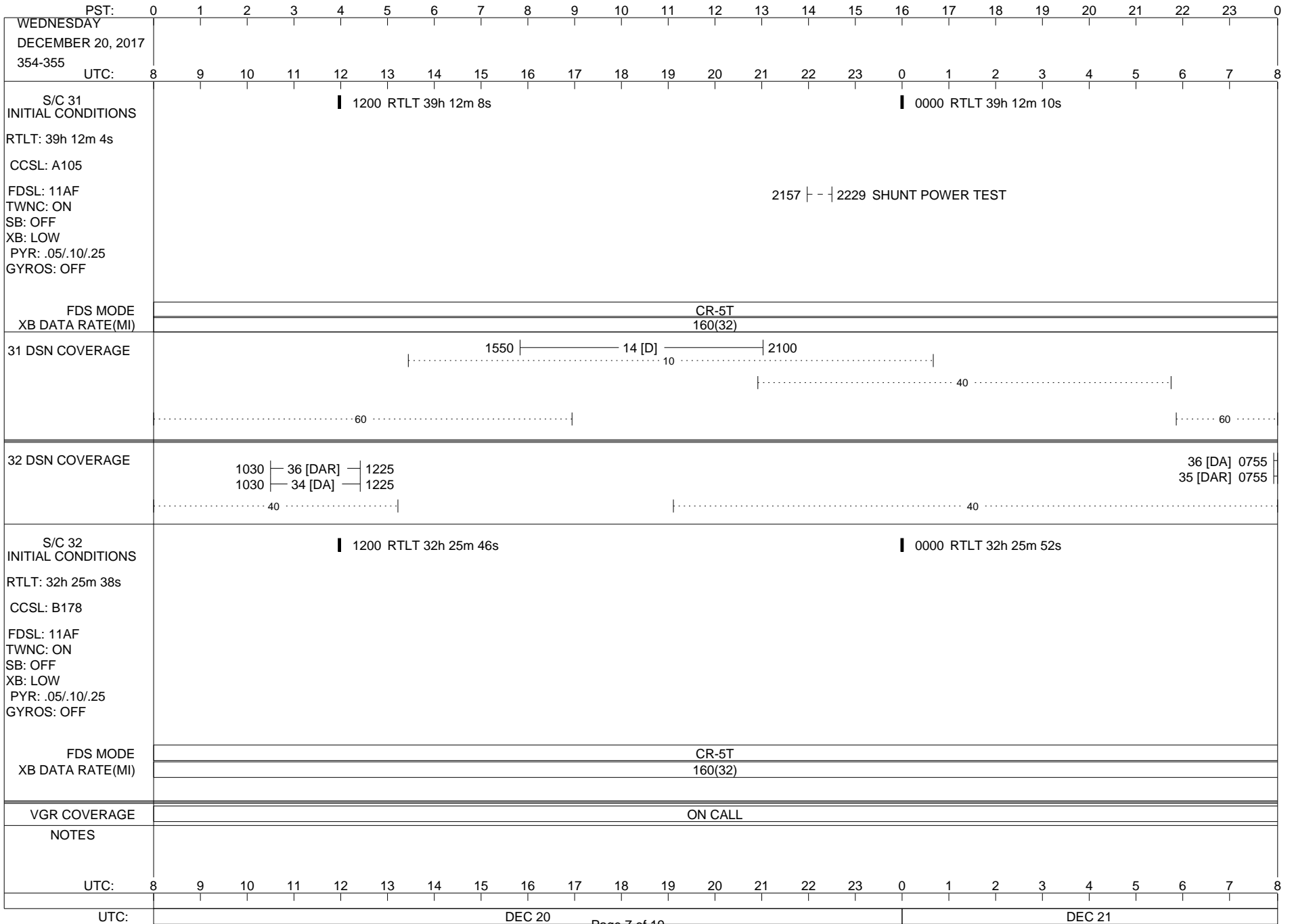
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MONDAY DECEMBER 18, 2017 352-353	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 50s CCSL: A105 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 54s												0000 RTLT 39h 11m 58s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1335 ----- 14 [D] ----- 1735												10												
	----- 0840 63 [D] -----												----- 40												
	----- 60												----- 60												
32 DSN COVERAGE	0915 ----- 35 [DA] ----- 1320																								
	0915 ----- 34 [DAR] ----- 1320																								
	36 [DA] 1220 ----- 1320																								
	----- 40												----- 40												
S/C 32 INITIAL CONDITIONS RTLT: 32h 25m 10s CCSL: B178 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 25m 18s												0000 RTLT 32h 25m 24s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	DEC 18												DEC 19												

ISSUE DATE: 12/13/17 07:28

PST:	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 DECEMBER 19, 2017 353-354	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 58s CCSL: A105 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	1200 RTLT 39h 12m 0s												0000 RTLT 39h 12m 4s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE10.....40.....												
	0930 ----- 55 [DAR] ----- 1330 0930 ----- 54 [DA] ----- 1330											60.....60.....												
32 DSN COVERAGE	----- 35 [DAR] ----- 0810 - 1315 ----- 34 [DA] ----- 0810 - 1315 1215 ----- 1315 36 [DA] -----												2345 - 0725 ----- 34 [o] -----												
40.....40.....												
S/C 32 INITIAL CONDITIONS RTLT: 32h 25m 24s CCSL: B178 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	1200 RTLT 32h 25m 32s												0000 RTLT 32h 25m 38s												
FDS MODE	CR-5T												EL-40						CR-5T						
XB DATA RATE(MI)	160(32)												40(30)						160(32)						
VGR COVERAGE	ON CALL												VGR												
NOTES	[1] S/C 31=GS-4B @ 2330 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32=EL-40 @ 0515 XB=40(30)																								
UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
UTC:	DEC 19												DEC 20												

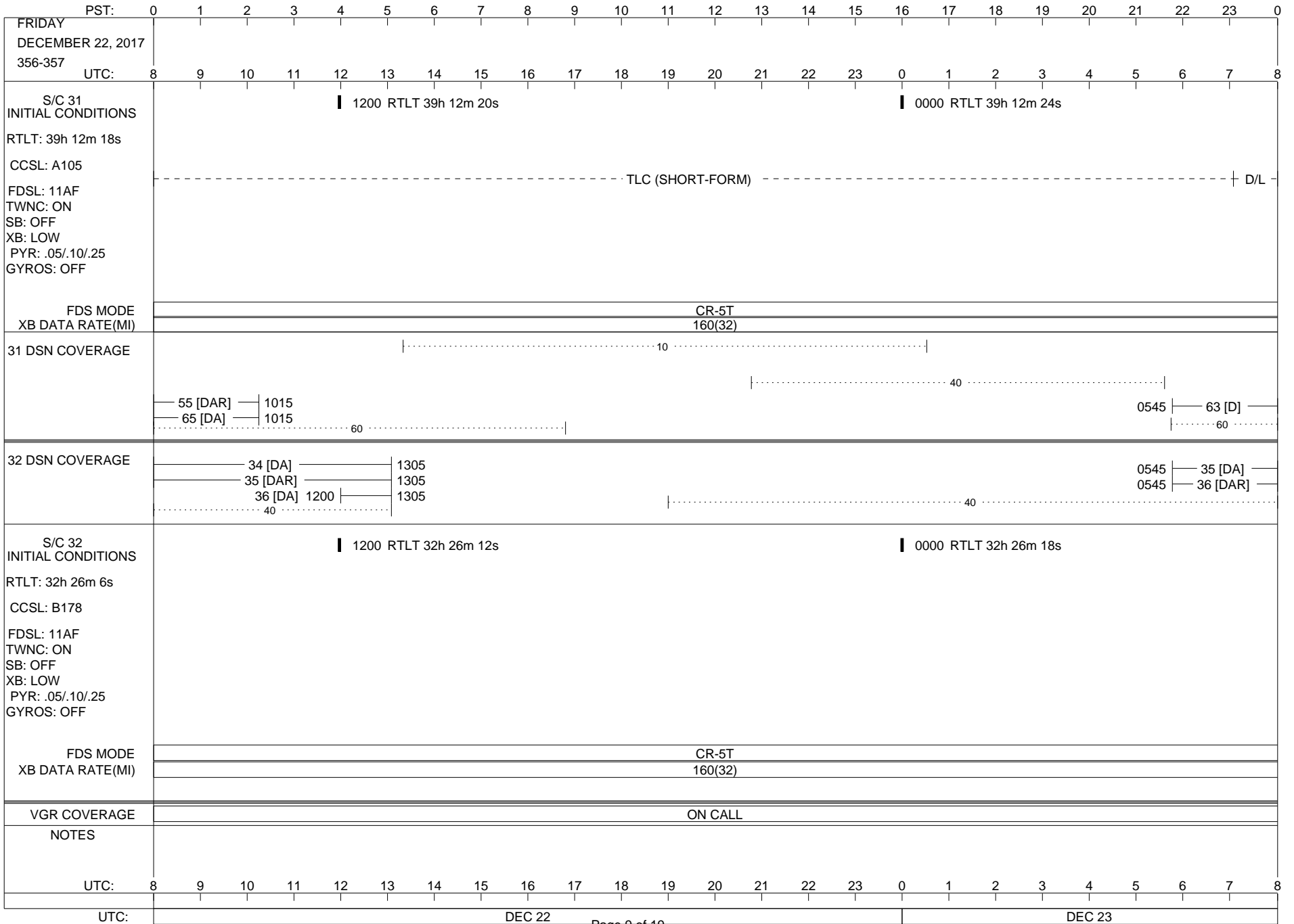
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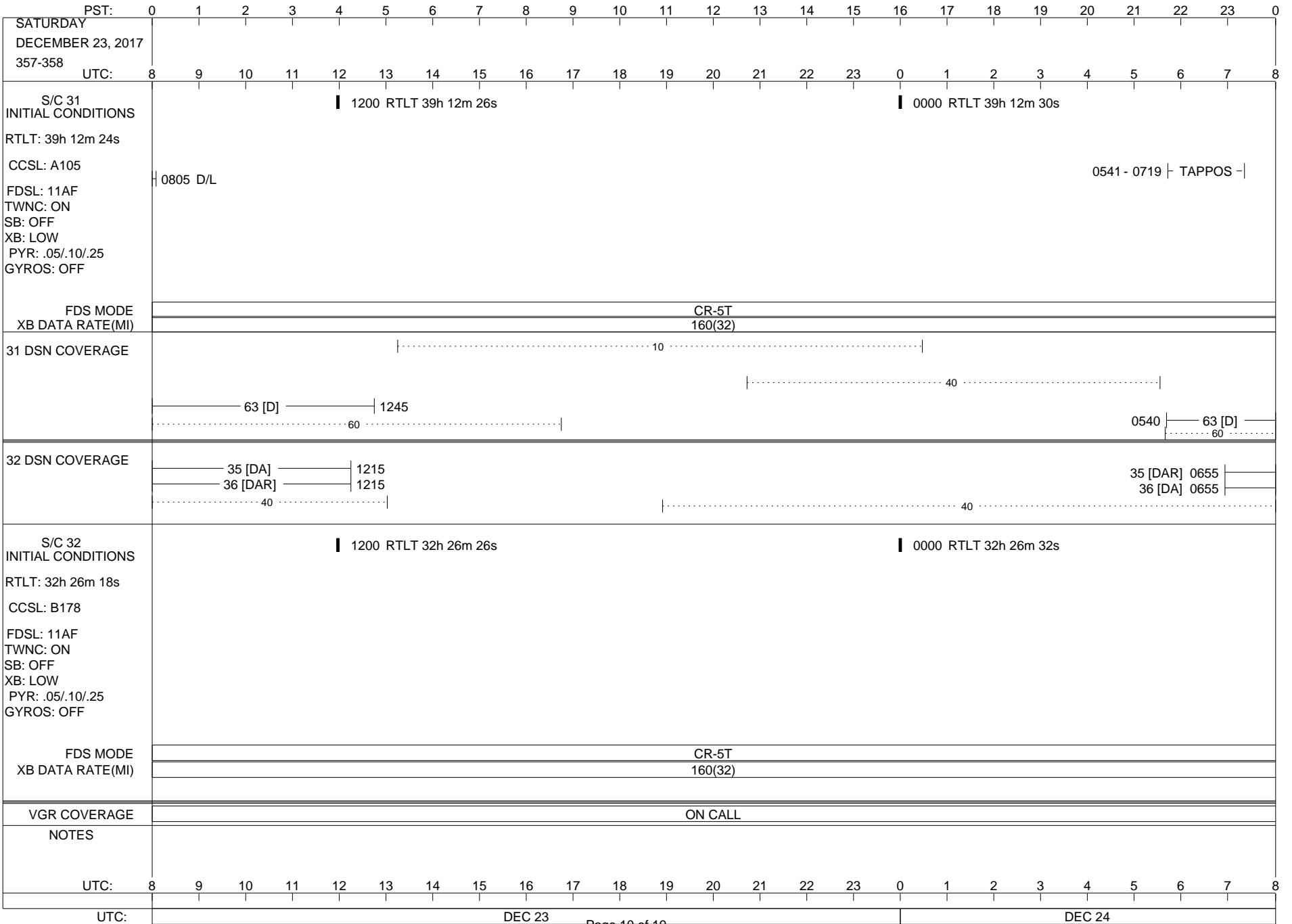
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THURSDAY DECEMBER 21, 2017 355-356																									
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S/C 31 INITIAL CONDITIONS RTLTL: 39h 12m 10s CCSL: A105 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 39h 12m 14s												0000 RTLTL 39h 12m 18s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1340 ----- 14 [T] ----- 1725												2100 24 [DA] 2245 2100 25 [DAR] 2245												
32 DSN COVERAGE	36 [DA] ----- 1305 35 [DAR] ----- 1305 34 [DA] 1200 ----- 1305 40 -----												0550 - 0745 ----- 63 [D] ----- 55 [DAR] 0745 ----- 65 [DA] 0745 ----- 60 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 25m 52s CCSL: B178 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 32h 25m 58s												0000 RTLTL 32h 26m 6s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0543 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	DEC 21												DEC 22												

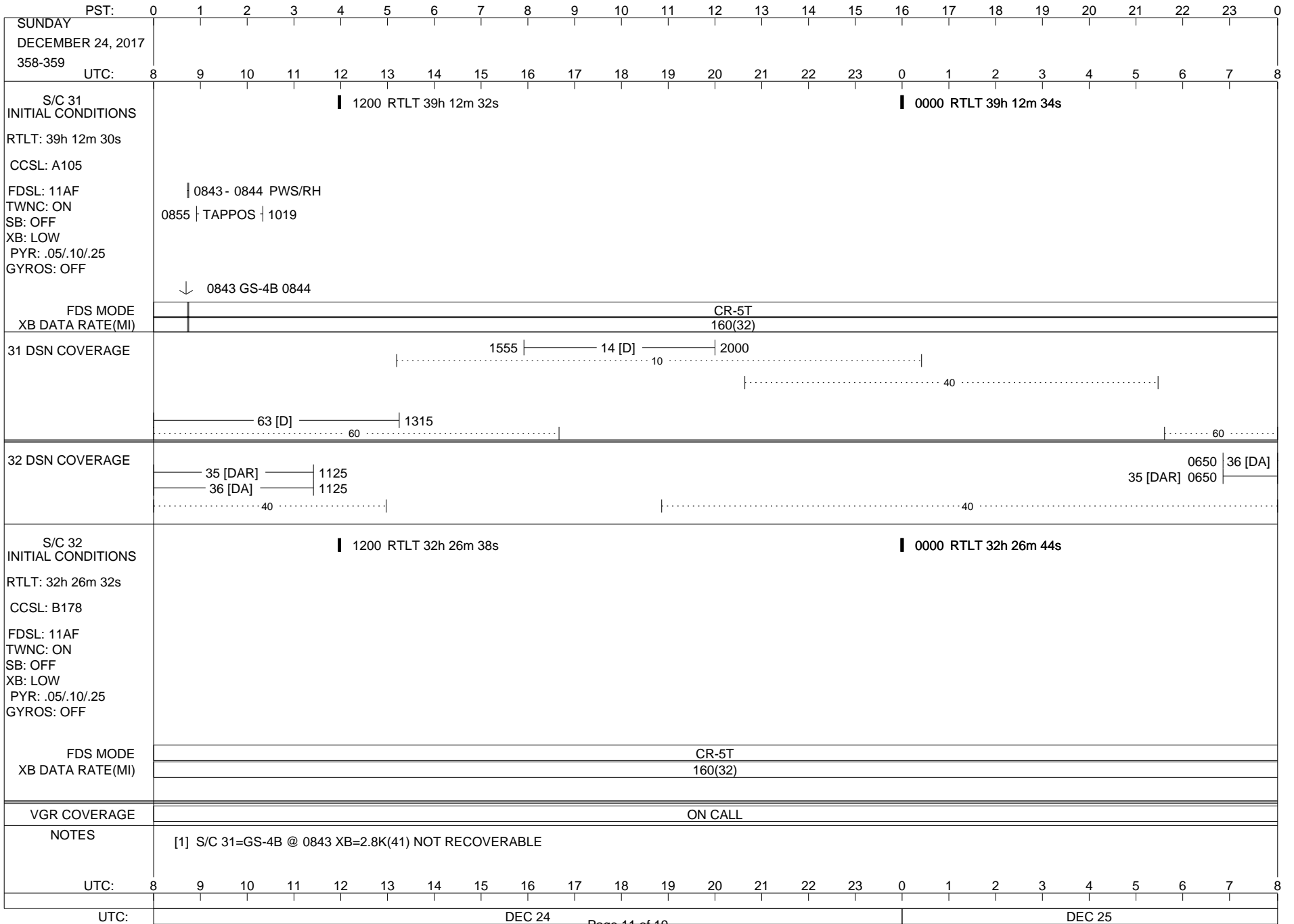
ISSUE DATE: 12/13/17 07:28



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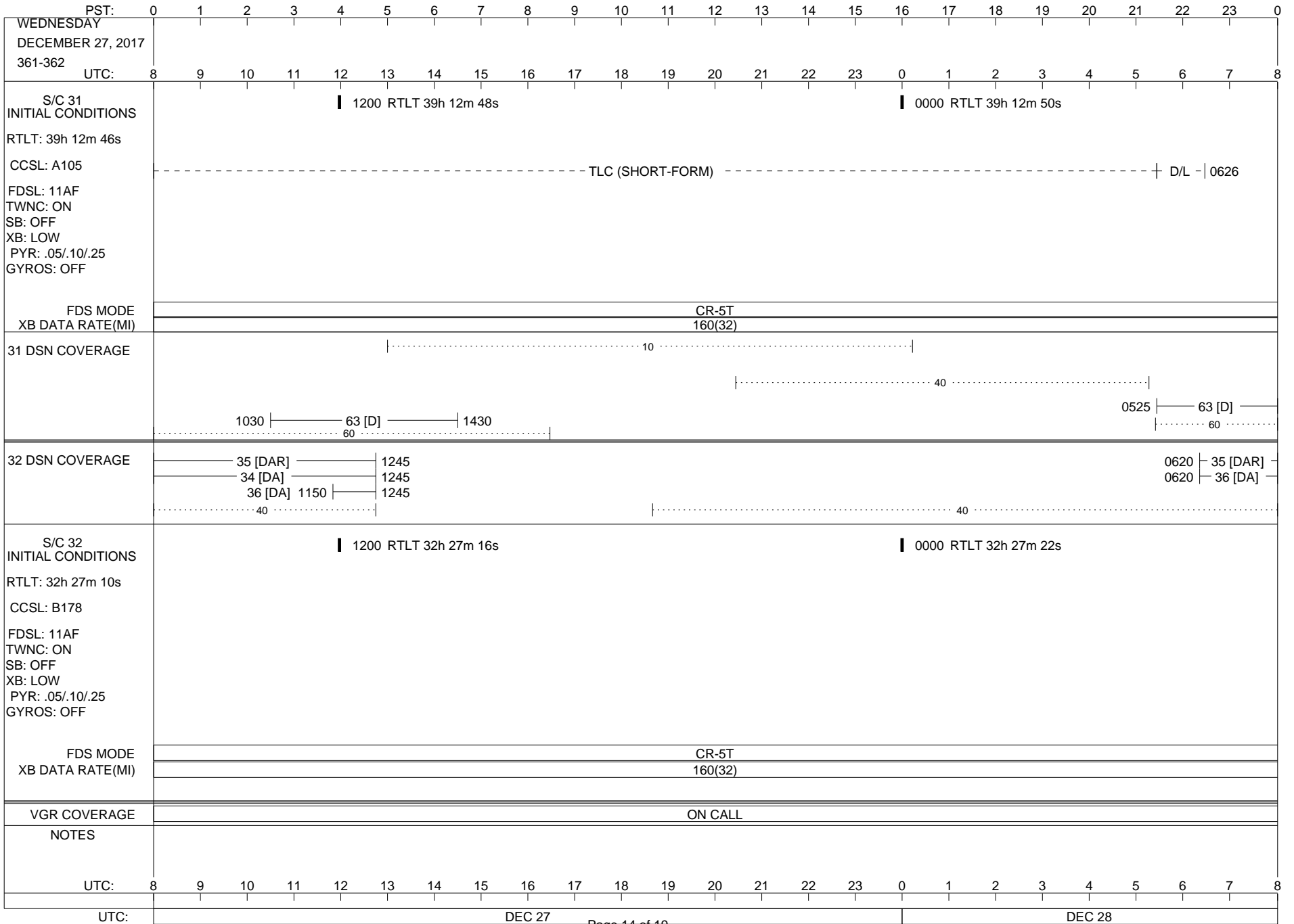
ISSUE DATE: 12/13/17 07:28

PST: 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 DECEMBER 25, 2017 359-360	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
S/C 31 INITIAL CONDITIONS RTLT: 39h 12m 34s CCSL: A105 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div>█ 1200 RTLT 39h 12m 38s</div> <div>█ 0000 RTLT 39h 12m 40s</div> </div>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<div style="text-align: center;"> -----10----- </div> <div style="text-align: center;"> -----40----- </div> <div style="display: flex; justify-content: space-between;"> <div>1125 -----63 [D]----- 1650</div> <div>63 [D] 0720 -----60----- </div> </div>
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div> 36 [DA] -----1250----- 35 [DAR] -----1250----- 34 [DA] 1150 -----1250----- 40 -----40----- </div> <div> 0300 -----36 [DA]----- 0300 -----35 [DAR]----- </div> </div>
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 44s CCSL: B178 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div>█ 1200 RTLT 32h 26m 52s</div> <div>█ 0000 RTLT 32h 26m 58s</div> </div>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	ON CALL
NOTES	JPL HOLIDAY!
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
UTC:	DEC 25 DEC 26

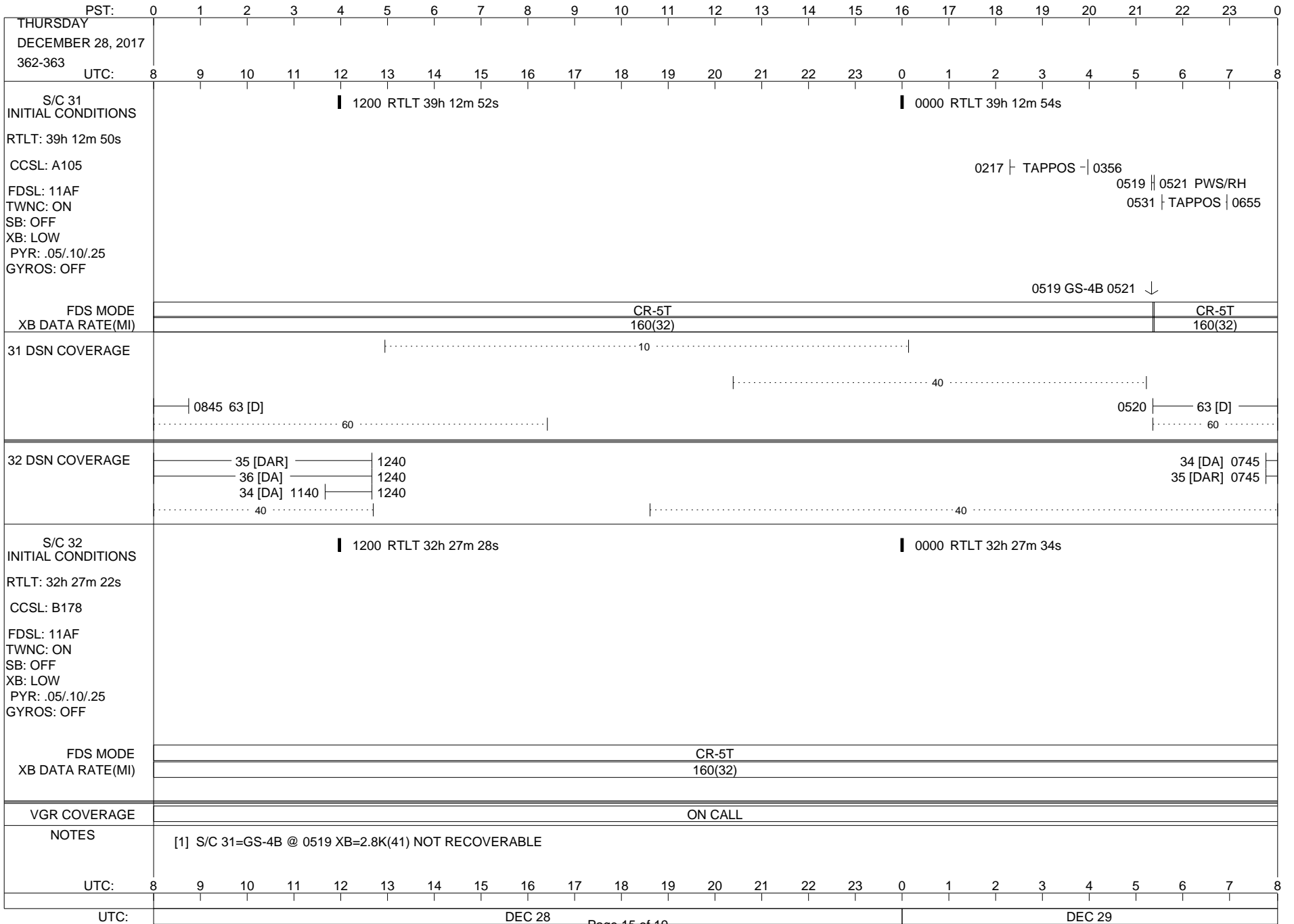
ISSUE DATE: 12/13/17 07:28

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TUESDAY DECEMBER 26, 2017 360-361			
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8			
S/C 31 INITIAL CONDITIONS RTLT: 39h 12m 40s CCSL: A105 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 39h 12m 42s</p> <p>0000 RTLT 39h 12m 46s</p> <p>U/L 1345 - ----- TLC (SHORT-FORM) -----</p> <p>2306 2307 PWS/RH</p> <p>↓ 2306 GS-4B 2307</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>1305 ----- 14 [T] ----- 1740</p> <p>..... 10</p> <p>..... 40</p> <p>63 [D] ----- 1245</p> <p>..... 60</p>		
32 DSN COVERAGE	<p>36 [DA] ----- 1245</p> <p>35 [DAR] ----- 1245</p> <p>34 [DA] 1145 ----- 1245</p> <p>..... 40</p> <p>..... 40</p> <p>35 [DAR] 0645 ----- </p> <p>34 [DA] 0715 ----- </p>		
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 58s CCSL: B178 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 32h 27m 4s</p> <p>0000 RTLT 32h 27m 10s</p>		
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <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 @ 2306 XB=2.8K(41) NOT RECOVERABLE JPL HOLIDAY!		
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8			
UTC: DEC 26 DEC 27			

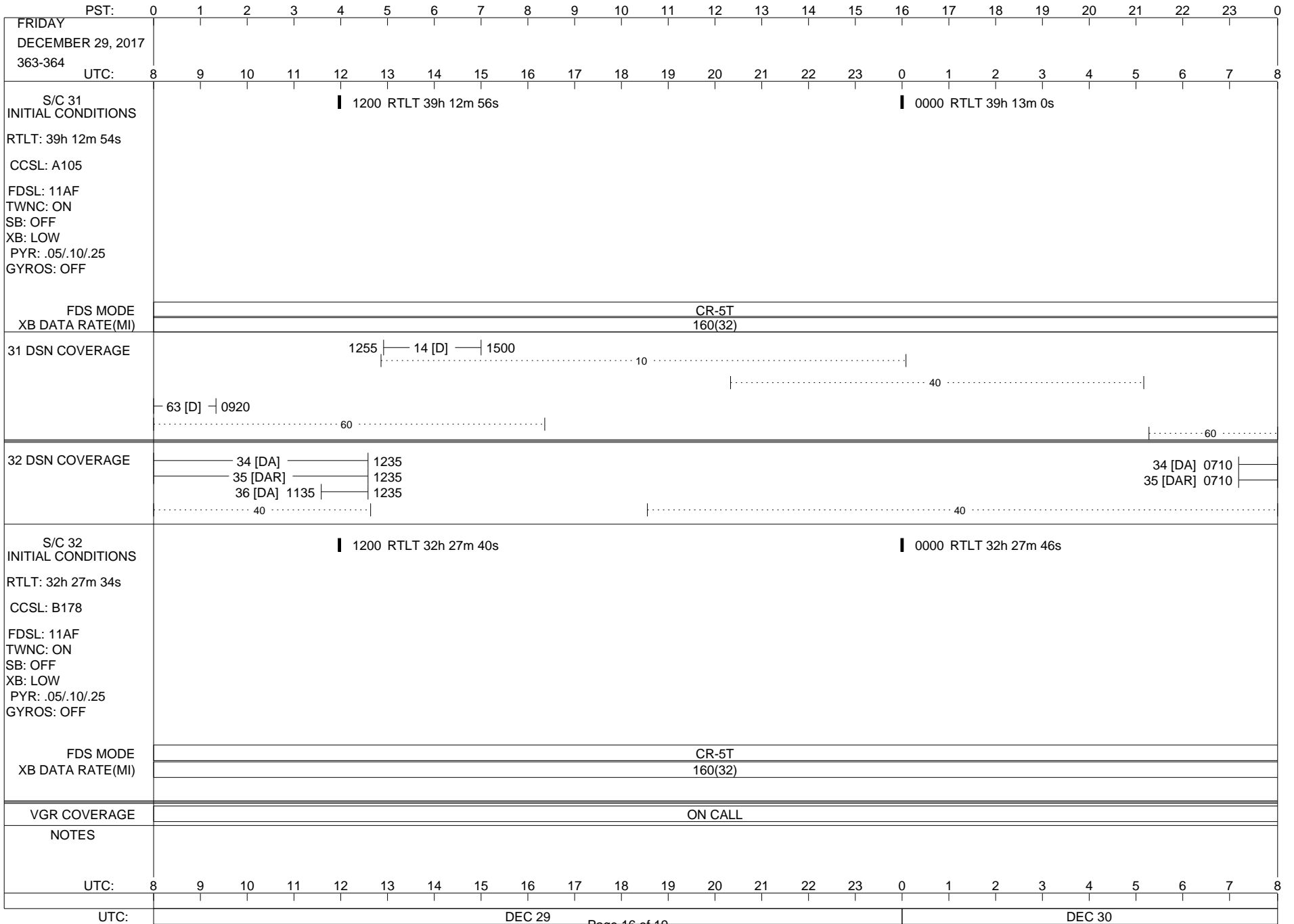
ISSUE DATE: 12/13/17 07:28



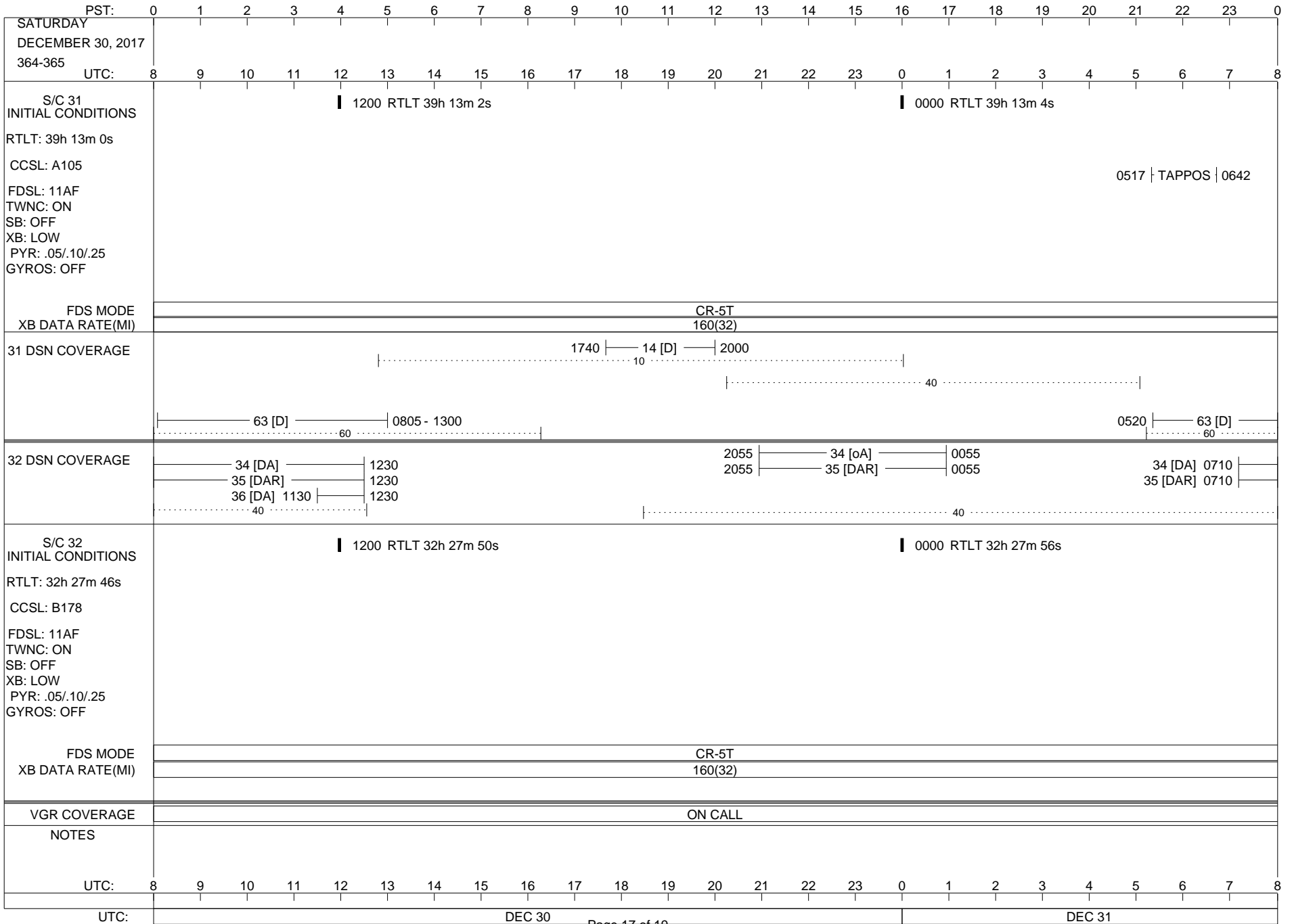
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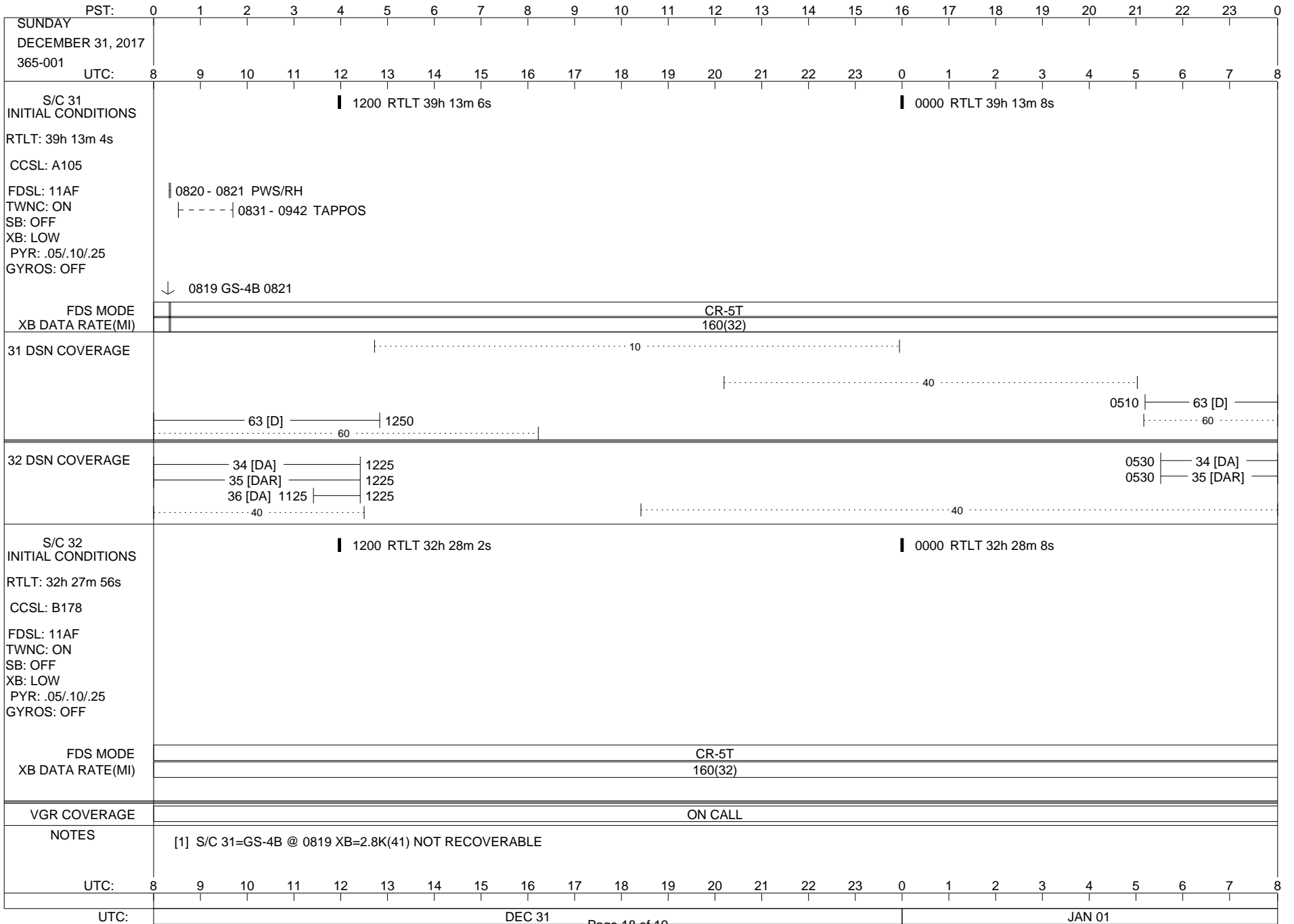
ISSUE DATE: 12/13/17 07:28



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PST:	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 JANUARY 1, 2018 001-002																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
S/C 31 INITIAL CONDITIONS RTLT: 39h 13m 8s CCSL: A105 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 39h 13m 10s</p> </div>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>10:00 - 12:00</p> </div>																										
	<div style="text-align: center;"> <p>08:00 - 12:55 (63 [D])</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>11:25 - 12:25</p> </div>																										
	<div style="text-align: center;"> <p>11:25 - 12:25 (34 [DA], 35 [DAR], 36 [DA])</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 28m 8s CCSL: B178 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 32h 28m 14s</p> </div>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
VGR COVERAGE	ON CALL																										
NOTES	JPL HOLIDAY!																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
UTC:	JAN 01													JAN 02													