

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 22, 2016

For the Period: 11/24/16 to 12/12/16 (16-329 – 16-347)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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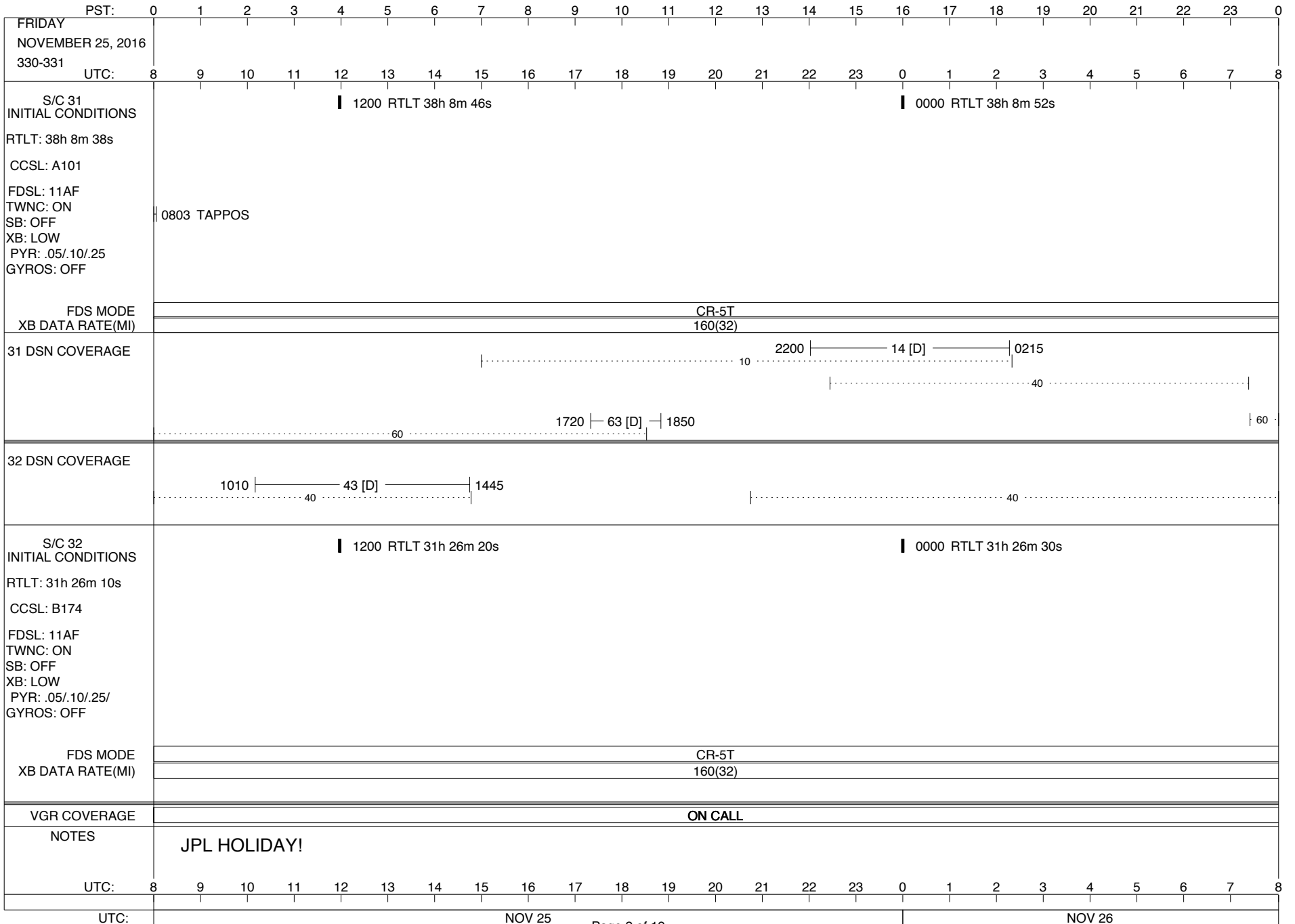
FLIGHT TEAM (14) 600-100

Dodd, S.
 Hall, J.
 Howard, S. (3)
 Ludwig, R. (2)
 Matsumoto, S.
 Medina
 Peralta, F.
 Weeks, T.
 Wong, R.
 Yang, L.
 Zottarelli, L.
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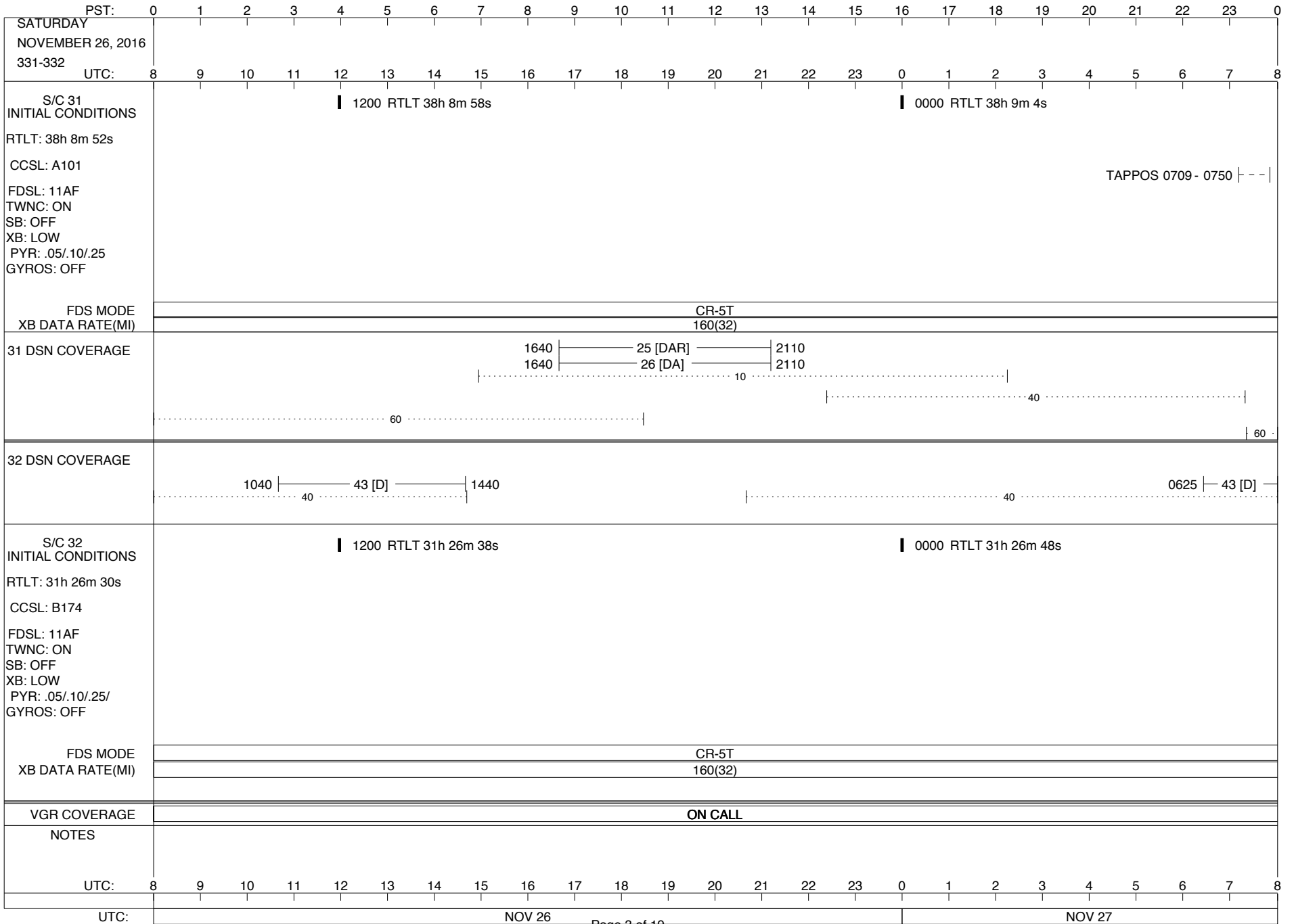
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U = Uplink only pass
 [o] = Ramp-through

*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

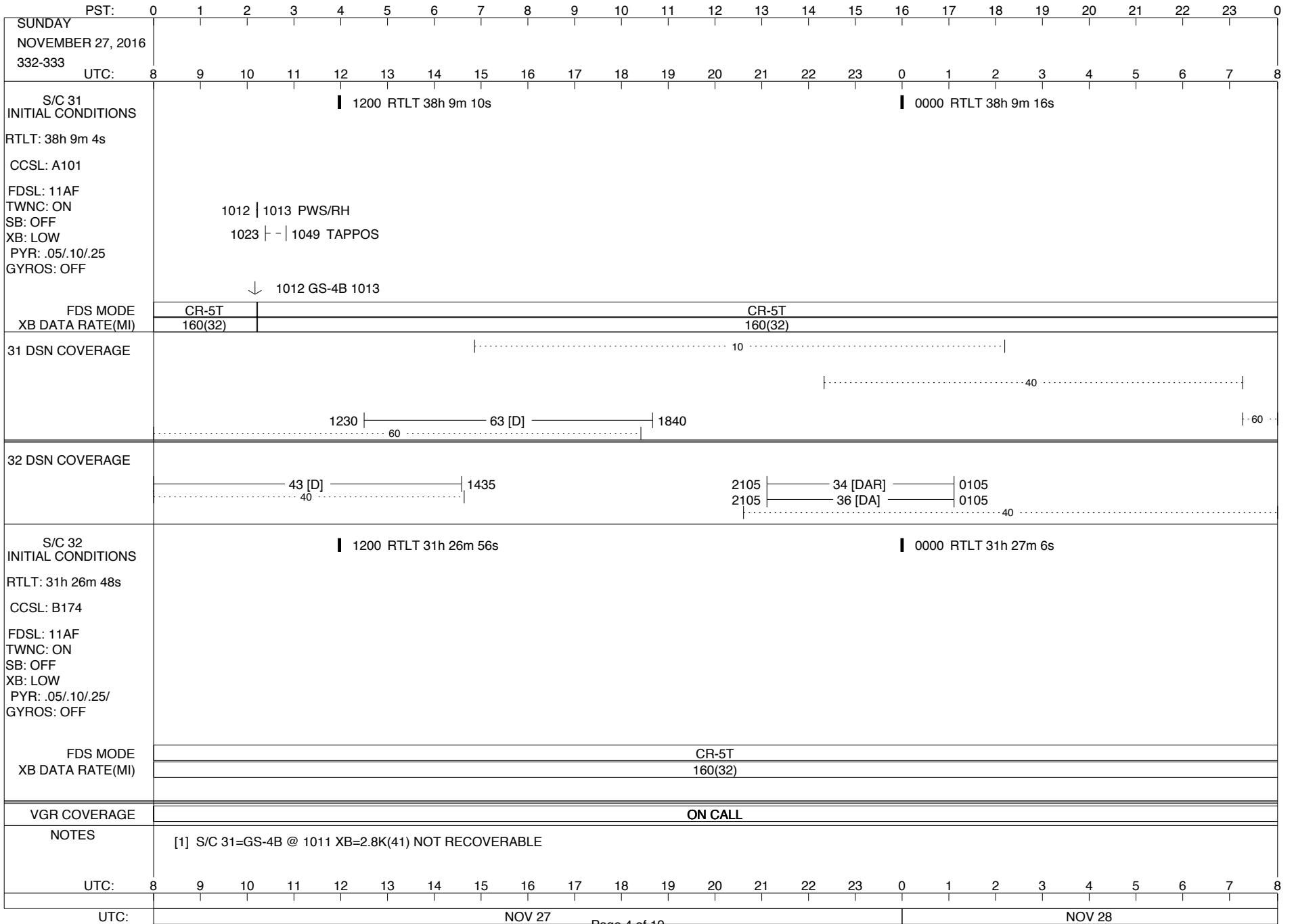
ISSUE DATE: 11/21/16 07:53



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MONDAY NOVEMBER 28, 2016 333-334	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: 38h 9m 16s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 9m 22s												0000 RTLT 38h 9m 28s														
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)														
31 DSN COVERAGE	1450 ----- 14 [D] ----- 1850												10 ----- 40														
60.....											60.....														
32 DSN COVERAGE													2035 ----- 43 [B] ----- 2320														
40.....											40.....														
S/C 32 INITIAL CONDITIONS RTLT: 31h 27m 6s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 27m 16s												0000 RTLT 31h 27m 24s														
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)														
VGR COVERAGE	ON CALL												VGR			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:	NOV 28															NOV 29											

ISSUE DATE: 11/21/16 07:53

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TUESDAY NOVEMBER 29, 2016 334-335																									
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 9m 28s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 38h 9m 34s												█ 0000 RTLTL 38h 9m 40s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1445 ----- 14 [D] ----- 1725												----- 10 -----												
	1230 ----- 63 [D] ----- 1445												----- 40 -----												
	60												----- 60 -----												
32 DSN COVERAGE	0950 ----- 43 [D] ----- 1425												----- 40 -----												
	40												----- 40 -----												
	0555 - 0730 ----- 34 [o] -----																								
S/C 32 INITIAL CONDITIONS RTLTL: 31h 27m 24s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 31h 27m 34s												█ 0000 RTLTL 31h 27m 42s												
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 @ 0035 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:	NOV 29												NOV 30												

ISSUE DATE: 11/21/16 07:53

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WEDNESDAY NOVEMBER 30, 2016 335-336																									
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S/C 31 INITIAL CONDITIONS RTLT: 38h 9m 40s CCSL: A101 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: 31h 27m 42s CCSL: B174 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:	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:																									

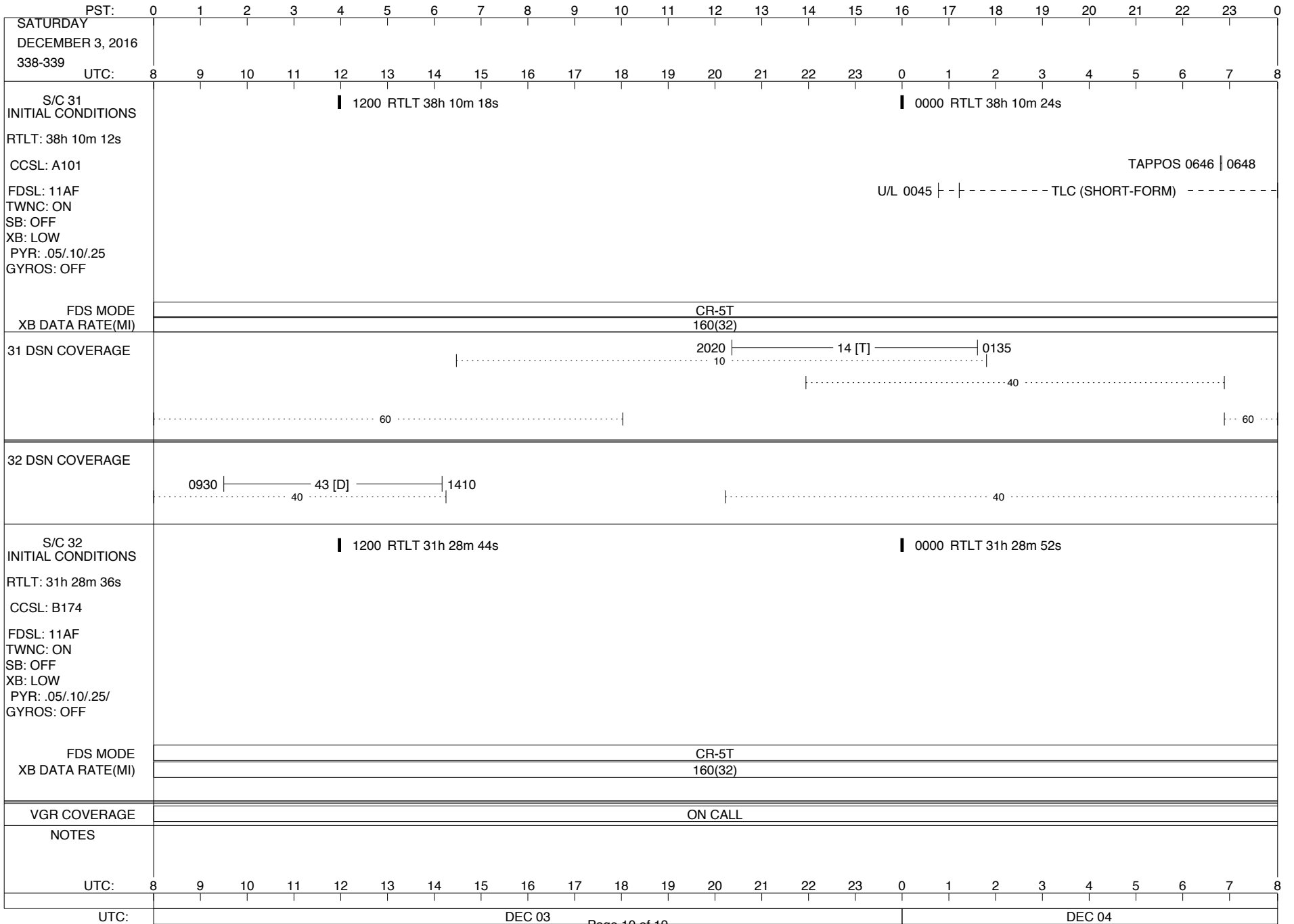
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 9m 50s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 9m 56s												0000 RTLTL 38h 10m 2s													
																			0346 0358 TAPPOS				PWS/RH 0648 0649		TAPPOS 0700 0701	
																							0648 GS-4B 0649 ↓			
FDS MODE													CR-5T						CR-5T							
XB DATA RATE(MI)													160(32)						160(32)							
31 DSN COVERAGE												10.....40.....							
	1130 -----63 [D]----- 1625											60.....													
32 DSN COVERAGE													0930 -----43 [D]----- 1420					40.....							
S/C 32 INITIAL CONDITIONS RTLTL: 31h 28m 0s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 28m 8s												0000 RTLTL 31h 28m 18s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0648 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 01												DEC 02													

ISSUE DATE: 11/21/16 07:53

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	
FRIDAY DECEMBER 2, 2016 337-338	
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 RTLTL: 38h 10m 2s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div>1200 RTLTL 38h 10m 8s</div> <div>0000 RTLTL 38h 10m 12s</div> </div>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div>1745 ----- 14 [D] ----- 2145</div> <div>10 ----- 40</div> <div>60 ----- 60</div> </div>
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div>1010 ----- 43 [D] ----- 1415</div> <div>40 ----- 40</div> <div>0535 - 0720 ----- 34 [o] ----- </div> </div>
S/C 32 INITIAL CONDITIONS RTLTL: 31h 28m 18s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div>1200 RTLTL 31h 28m 26s</div> <div>0000 RTLTL 31h 28m 36s</div> </div>
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 02 DEC 03

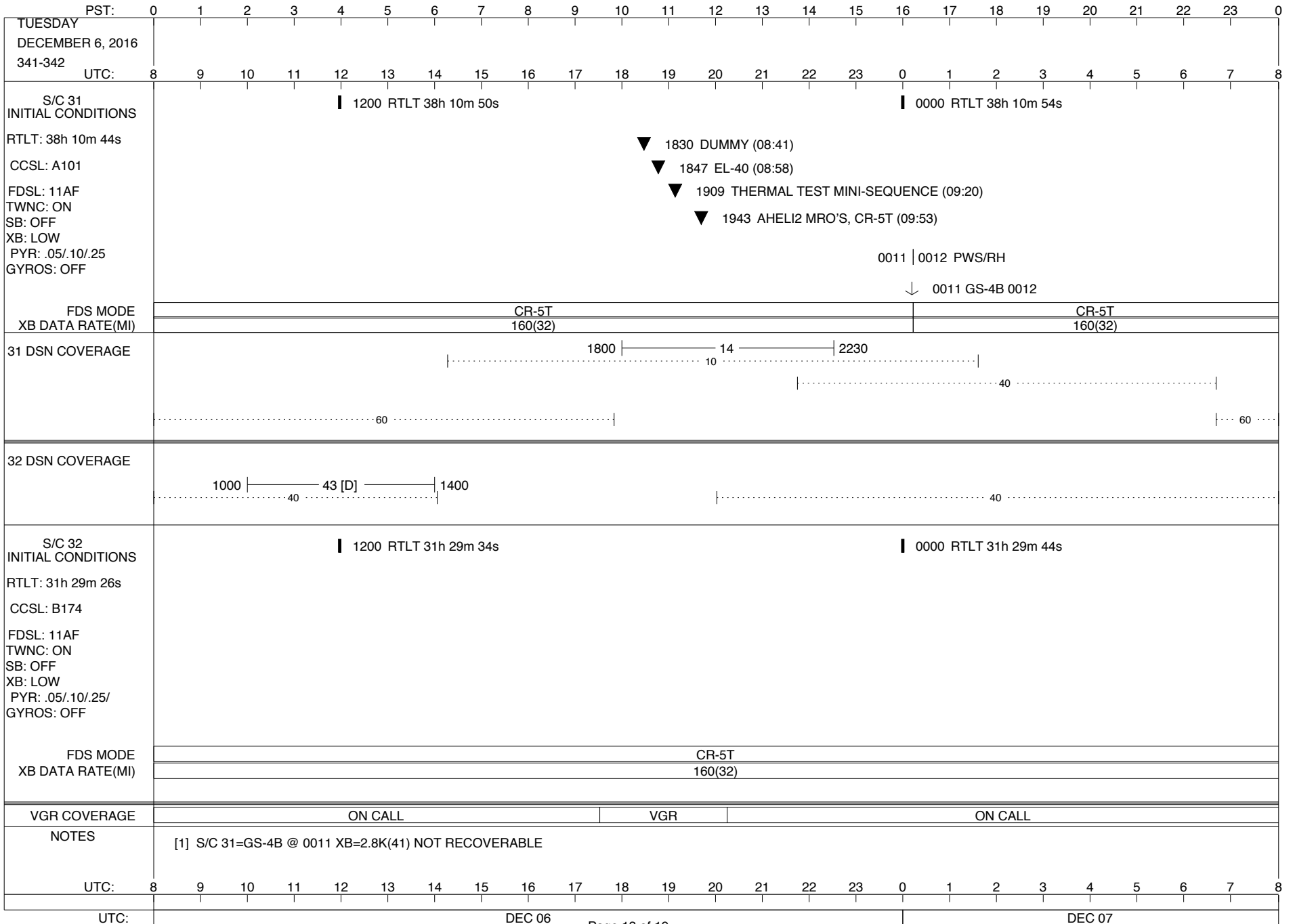
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SUNDAY DECEMBER 4, 2016 339-340	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 38h 10m 24s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 10m 28s												0000 RTLTL 38h 10m 34s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1605 ----- 25 [DA] ----- 2105 1605 ----- 26 [DAR] ----- 2105 ----- 10 ----- ----- 40 ----- ----- 60 -----												----- 40 ----- ----- 60 -----												
32 DSN COVERAGE	0930 ----- 43 [D] ----- 1410 ----- 40 -----												----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 28m 52s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 29m 2s												0000 RTLTL 31h 29m 10s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0948 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 04												DEC 05												

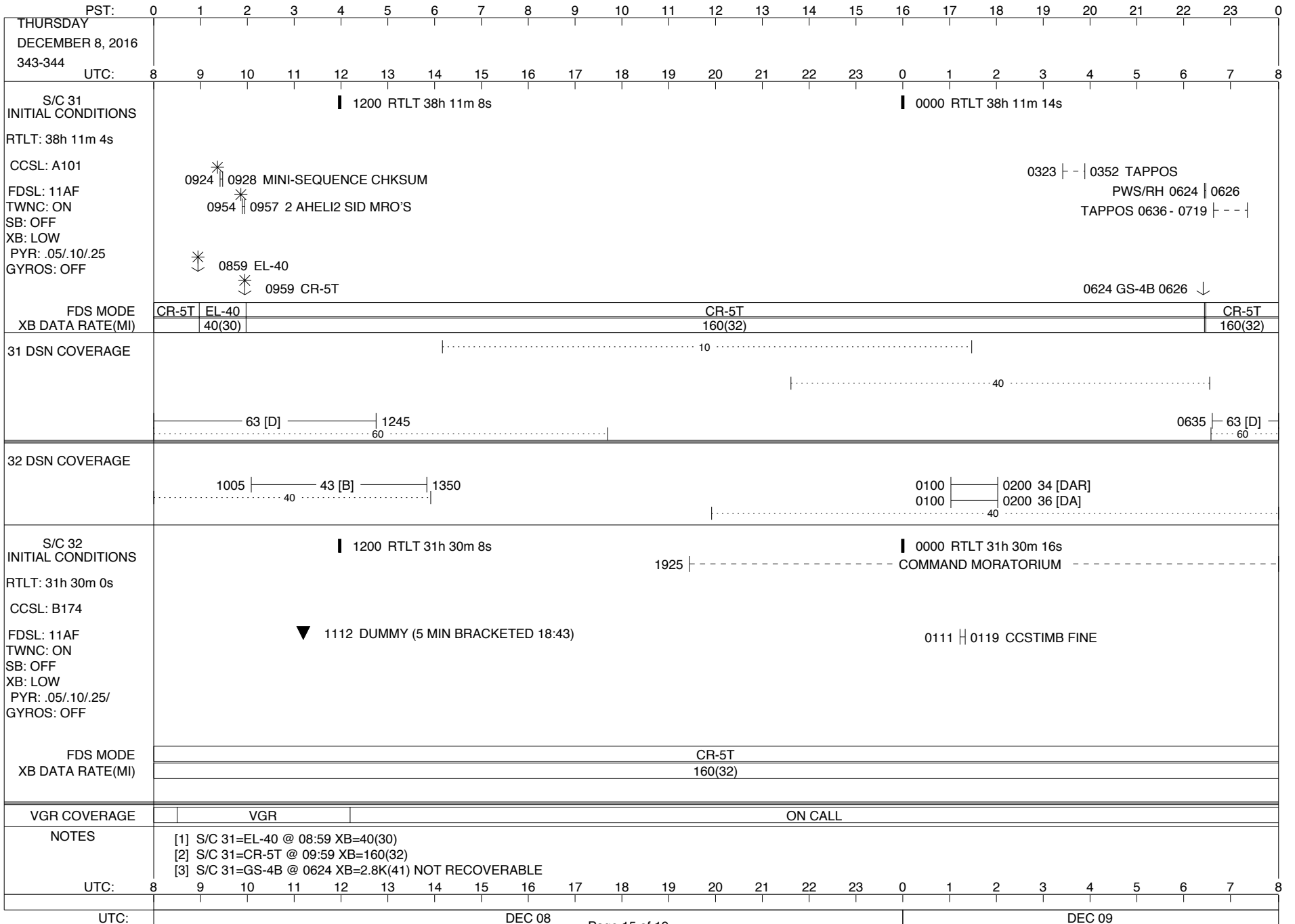
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ISSUE DATE: 11/21/16 07:53

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WEDNESDAY DECEMBER 7, 2016 342-343																										
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S/C 31 INITIAL CONDITIONS RTLT: 38h 10m 54s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 38h 10m 58s												█ 0000 RTLT 38h 11m 4s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	1415 ----- 14 [D] ----- 2010												----- 40 -----													
	----- 60 -----												0640 63 [D] ----- 60													
32 DSN COVERAGE	0955 ----- 43 [D] ----- 1355												----- 40 ----- 40													
S/C 32 INITIAL CONDITIONS RTLT: 31h 29m 44s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 31h 29m 52s												█ 0000 RTLT 31h 30m 0s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES																										
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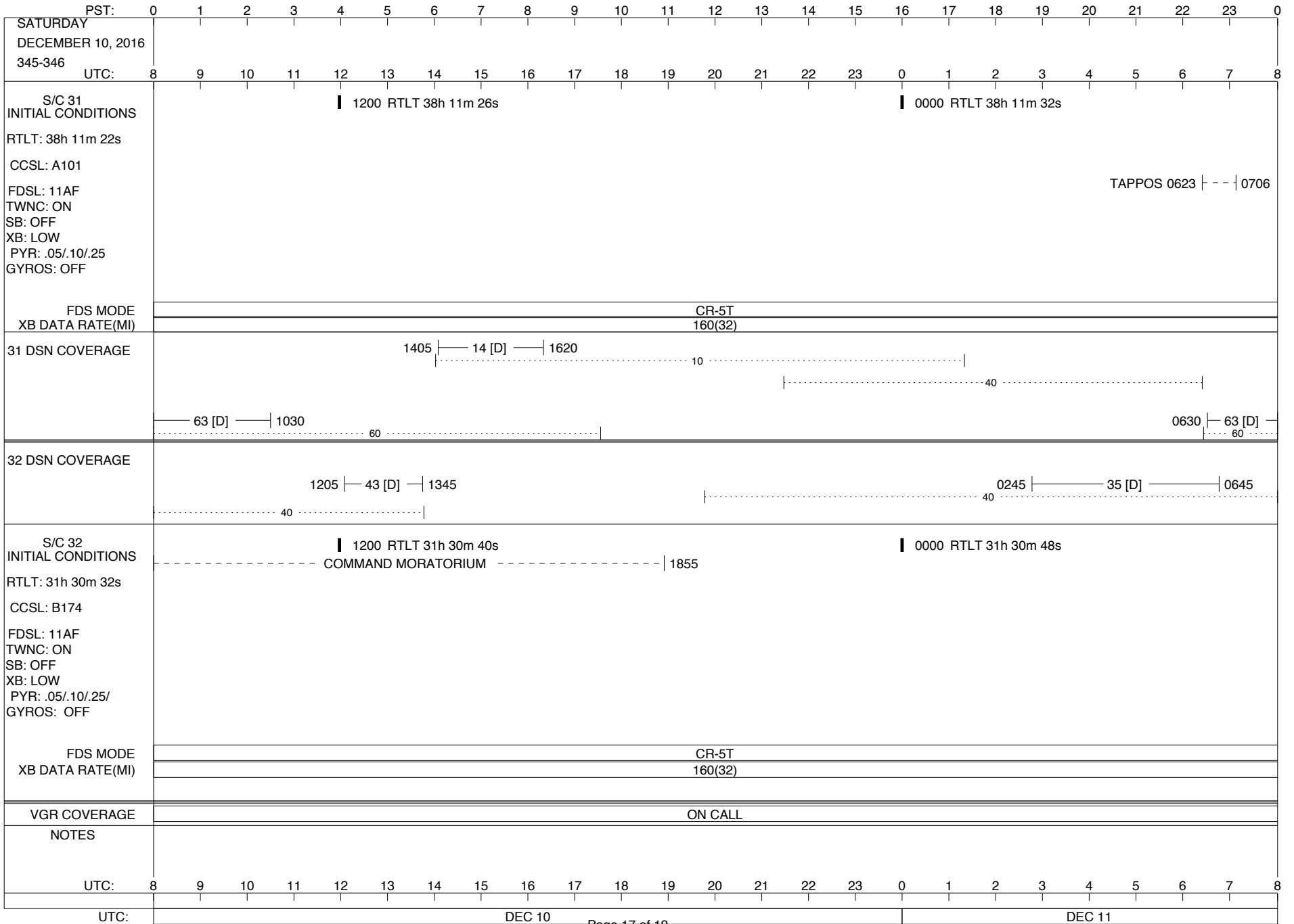
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ISSUE DATE: 11/21/16 07:53

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FRIDAY DECEMBER 9, 2016 344-345																													
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 11m 14s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 38h 11m 18s														0000 RTLTL 38h 11m 22s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
31 DSN COVERAGE		1405 ----- 14 [D] ----- 1805 ----- 10 ----- ----- 40 -----														63 [D] 0910 ----- 60 -----													
32 DSN COVERAGE		0945 ----- 43 [D] ----- 1345 ----- 40 -----														0200 ----- 43 [DAR] ----- 0530 0230 ----- 36 [DA] ----- 0430 ----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLTL: 31h 30m 16s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF		1200 RTLTL 31h 30m 24s														0000 RTLTL 31h 30m 32s													
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 @ 0228 XB=40(30) [2] S/C 32=CR-5T @ 0435 XB=160(32)																											
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UTC:		DEC 09														DEC 10													

ISSUE DATE: 11/21/16 07:53



ISSUE DATE: 11/21/16 07:53

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SUNDAY DECEMBER 11, 2016 346-347																										
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 RTLTL: 38h 11m 32s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 11m 36s												0000 RTLTL 38h 11m 40s													
0925 0926 PWS/RH 0936 - - - 1033 TAPPOS ↓ 0924 GS-4B 0926																										
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	<p>0935 ----- 1135 60 0625 ----- 0630 [D] 60</p>																									
32 DSN COVERAGE	<p>0935 ----- 1340 40</p>																									
S/C 32 INITIAL CONDITIONS RTLTL: 31h 30m 48s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 30m 56s												0000 RTLTL 31h 31m 4s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE	ON CALL																									
NOTES	[1] S/C 31=GS-4B @ 0924 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	
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ISSUE DATE: 11/21/16 07:53

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S/C 31 INITIAL CONDITIONS RTLT: 38h 11m 40s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 38h 11m 44s</p> </div>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<div style="text-align: center;"> <p>63 [D] 1110</p> <p>----- -----</p> <p>60</p> </div>																								
32 DSN COVERAGE	<div style="text-align: center;"> <p>0915 43 [D] 1315</p> <p>----- ----- -----</p> <p>40</p> </div>																								
S/C 32 INITIAL CONDITIONS RTLT: 31h 31m 4s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 31h 31m 12s</p> </div>																								
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
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