

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 10, 2016

For the Period: 11/10/16 to 11/28/16 (16-315 – 16-333)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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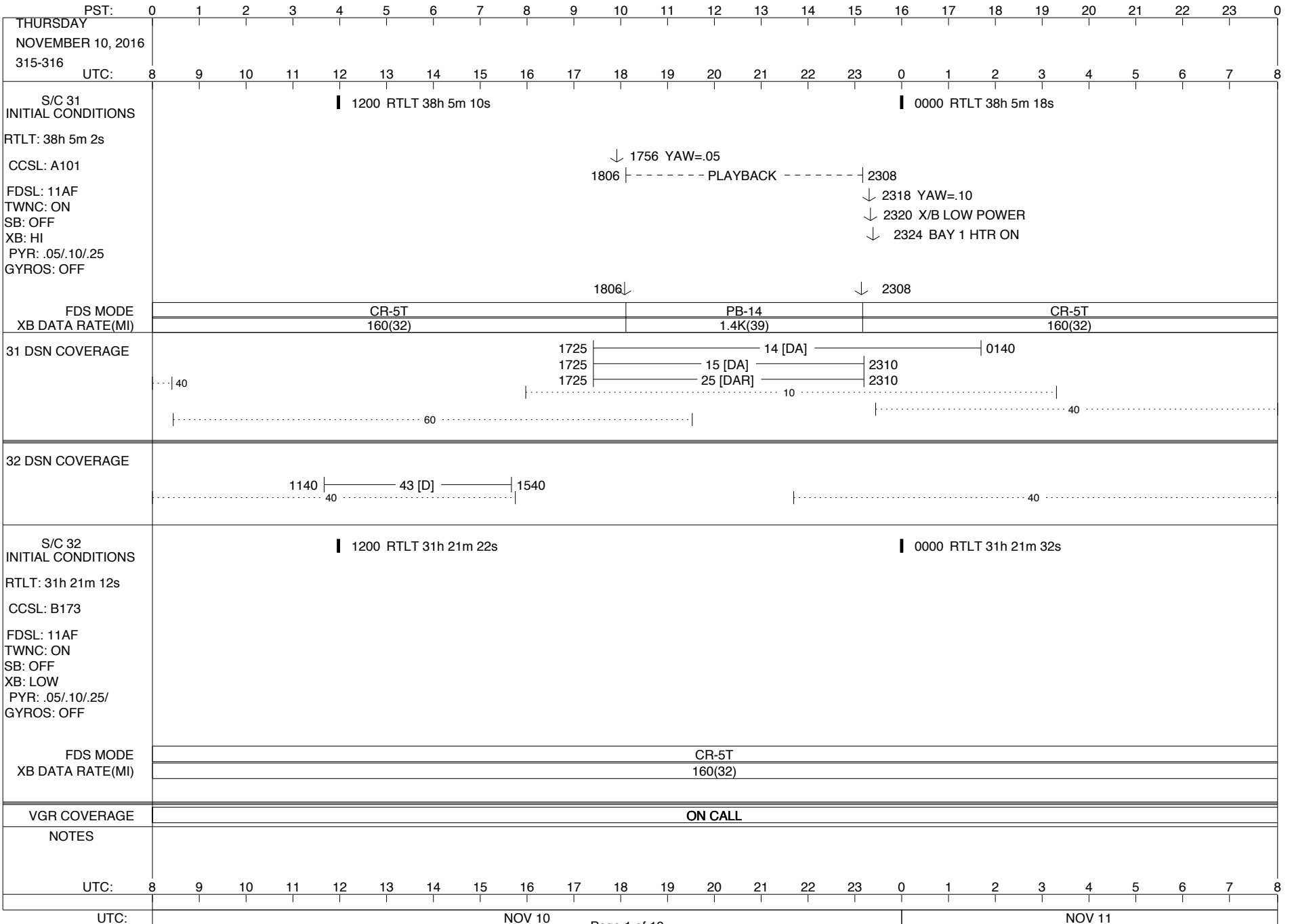
FLIGHT TEAM (14) 600-100

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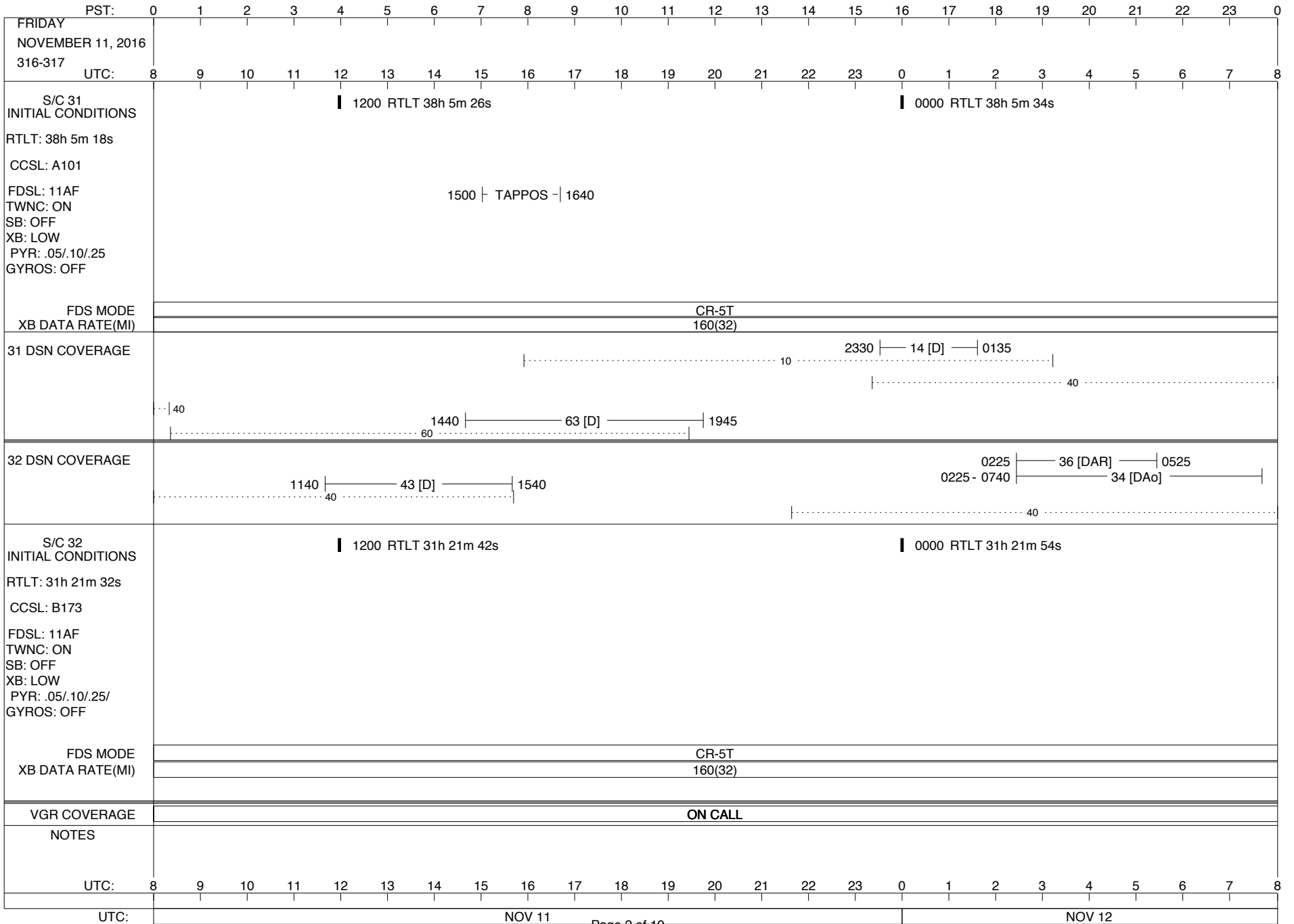
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U =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

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

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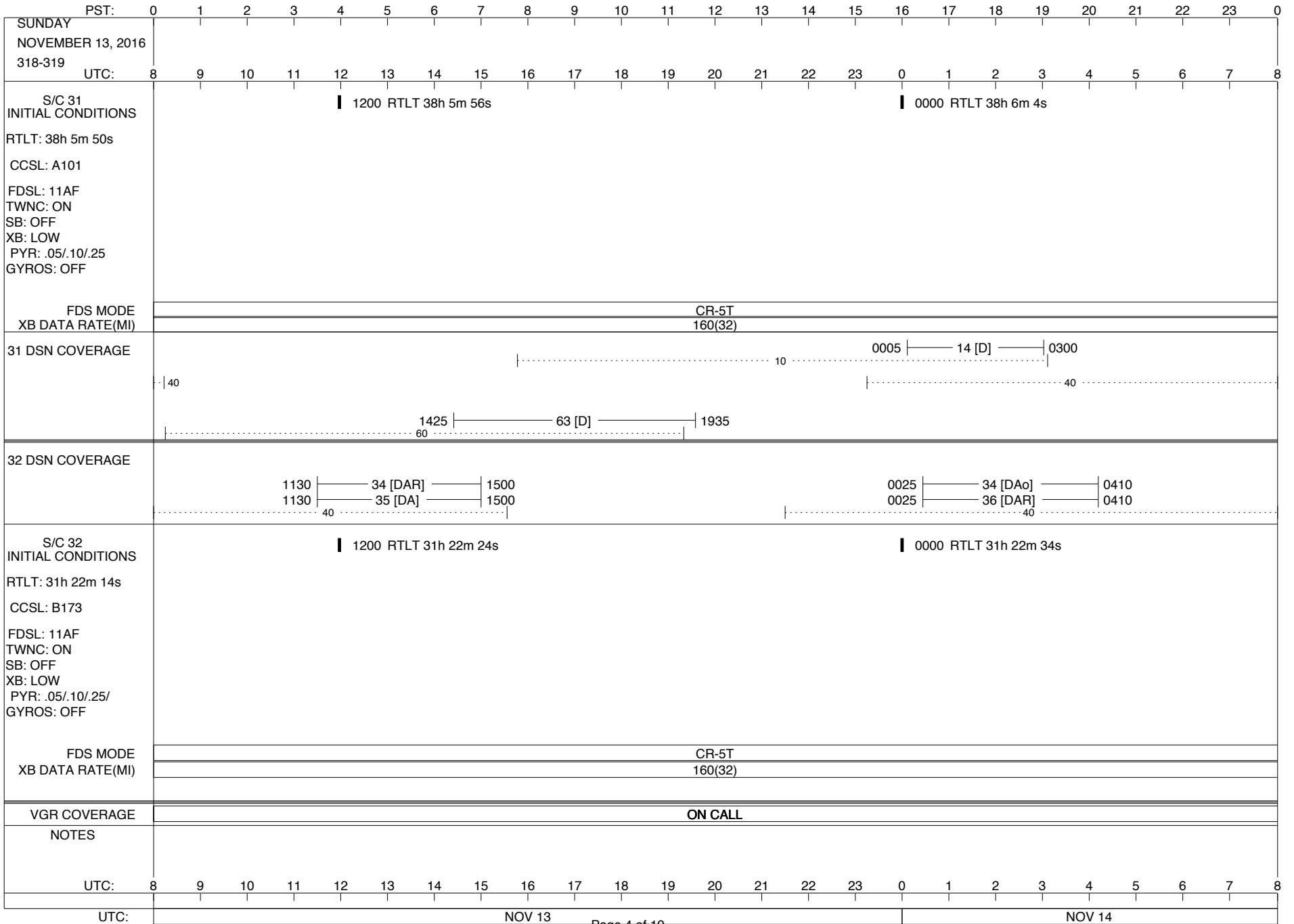
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ISSUE DATE: 11/16/16 13:31

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S/C 31 INITIAL CONDITIONS RTLTL: 38h 5m 34s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 5m 42s												0000 RTLTL 38h 5m 50s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	-----40-----												1915 -----14 [D]----- 2315 -----10-----												
32 DSN COVERAGE	1050 -----43 [D]----- 1455 -----40-----												-----40-----												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 21m 54s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 22m 4s												0000 RTLTL 31h 22m 14s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES																									
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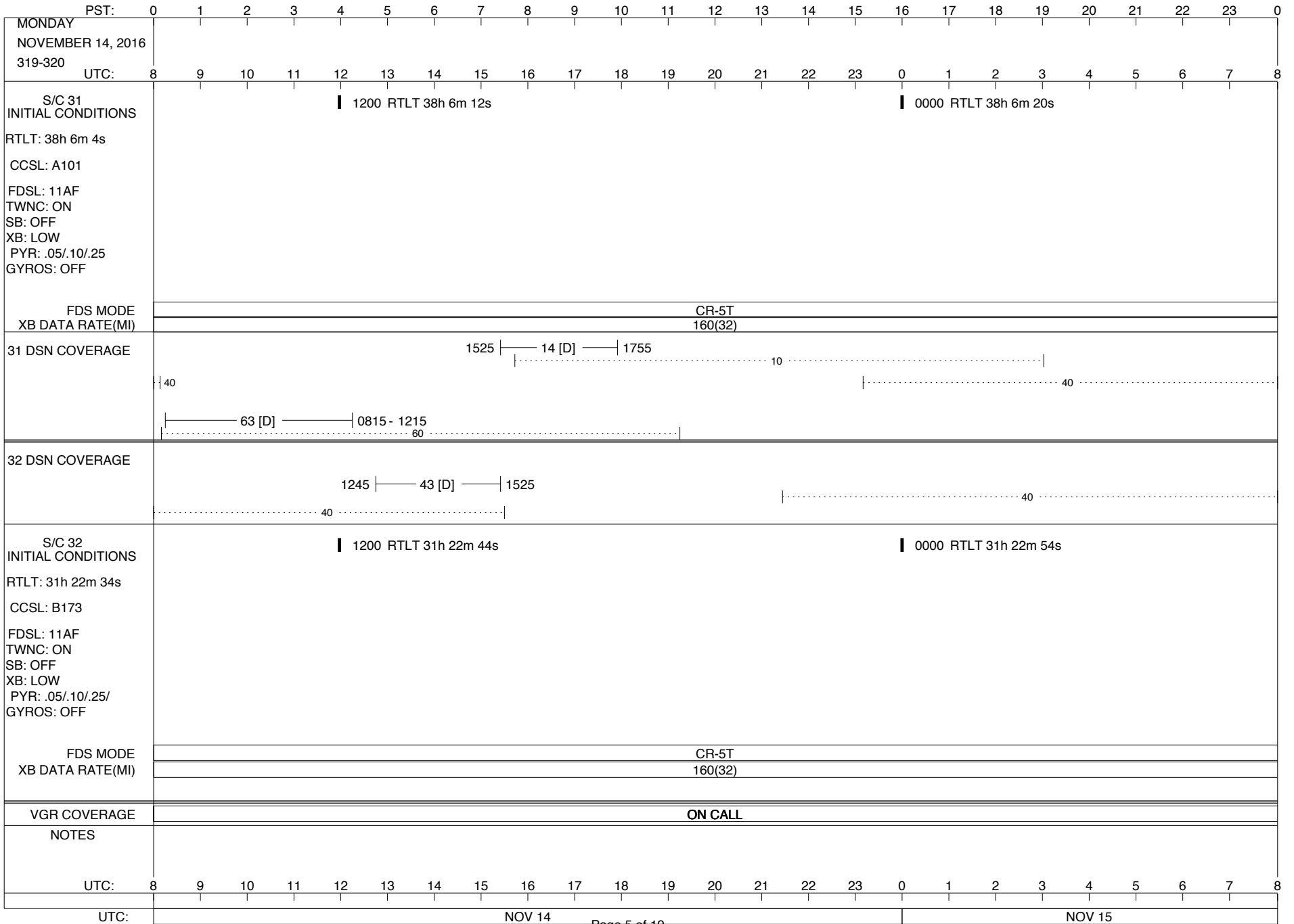
ISSUE DATE: 11/16/16 13:31



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 13 Page 4 of 19 NOV 14

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ISSUE DATE: 11/16/16 13:31

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TUESDAY NOVEMBER 15, 2016 320-321																												
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 6m 20s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 38h 6m 28s														█ 0000 RTLTL 38h 6m 34s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1840 ----- 14 [D] ----- 2120</p> <p>..... ----- 10 ----- </p> <p>1705 ----- 63 [D] ----- 1850</p> <p>..... ----- 60 ----- </p> </div> <div style="width: 45%;"> <p>0121 0122 PWS/RH</p> <p>↓ 0121 GS-4B 0122</p> </div> </div>																											
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1010 ----- 43 [D] ----- 1520</p> <p>..... ----- 40 ----- </p> </div> <div style="width: 45%;"> <p>0255 ----- 43 [H2] ----- 0710</p> <p>..... ----- 40 ----- </p> </div> </div>																											
S/C 32 INITIAL CONDITIONS RTLTL: 31h 22m 54s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 31h 23m 4s														█ 0000 RTLTL 31h 23m 14s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
VGR COVERAGE	ON CALL							VGR							ON CALL							VGR						
NOTES	<p>[1] S/C 31=GS-4B @ 0121 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] B174 BACKUP U/L SUPPORT</p>																											
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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WEDNESDAY NOVEMBER 16, 2016 321-322																									
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 6m 34s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLTL 38h 6m 42s</p> <p>0945 ----- 1115 DSS USG CMD TEST (canceled)</p> <p>DUMMY (13:47) 2340▼</p> <p>EL-40 (13:56) 2349▼</p> <p>ECR 114299 FPGYRO PART 2 (14:18) 0011▼</p> <p>CCSA SID MRO (14:37) 0030▼</p> <p>CCSB SID MRO (14:53) 0046▼</p> <p>CCSA SID MRO - REDUNDANT (15:17) 0110▼</p> <p>CCSB SID MRO - REDUNDANT (15:33) 0126▼</p> <p>CR-5T (15:50) 0143▼</p> <p>0000 RTLTL 38h 6m 50s</p> <p>U/L 0215 ----- TLC (SHORT-FORM) -----</p>																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	<p>63 [D] ----- 0805 - 1205</p> <p>2305 ----- 14 [T] ----- 0250</p> <p>40 ----- 60 ----- 60</p>																								
32 DSN COVERAGE	<p>1210 ----- 43 [D] ----- 1520</p> <p>40 ----- 40</p>																								
S/C 32 INITIAL CONDITIONS RTLTL: 31h 23m 14s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<p>1200 RTLTL 31h 23m 24s</p> <p>0000 RTLTL 31h 23m 34s</p>																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	VGR												VGR						ON CALL						
NOTES	[1] DSS-63 UPLINK SIGNAL GENERATOR TEST																								
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 16												Page 7 of 19						NOV 17						

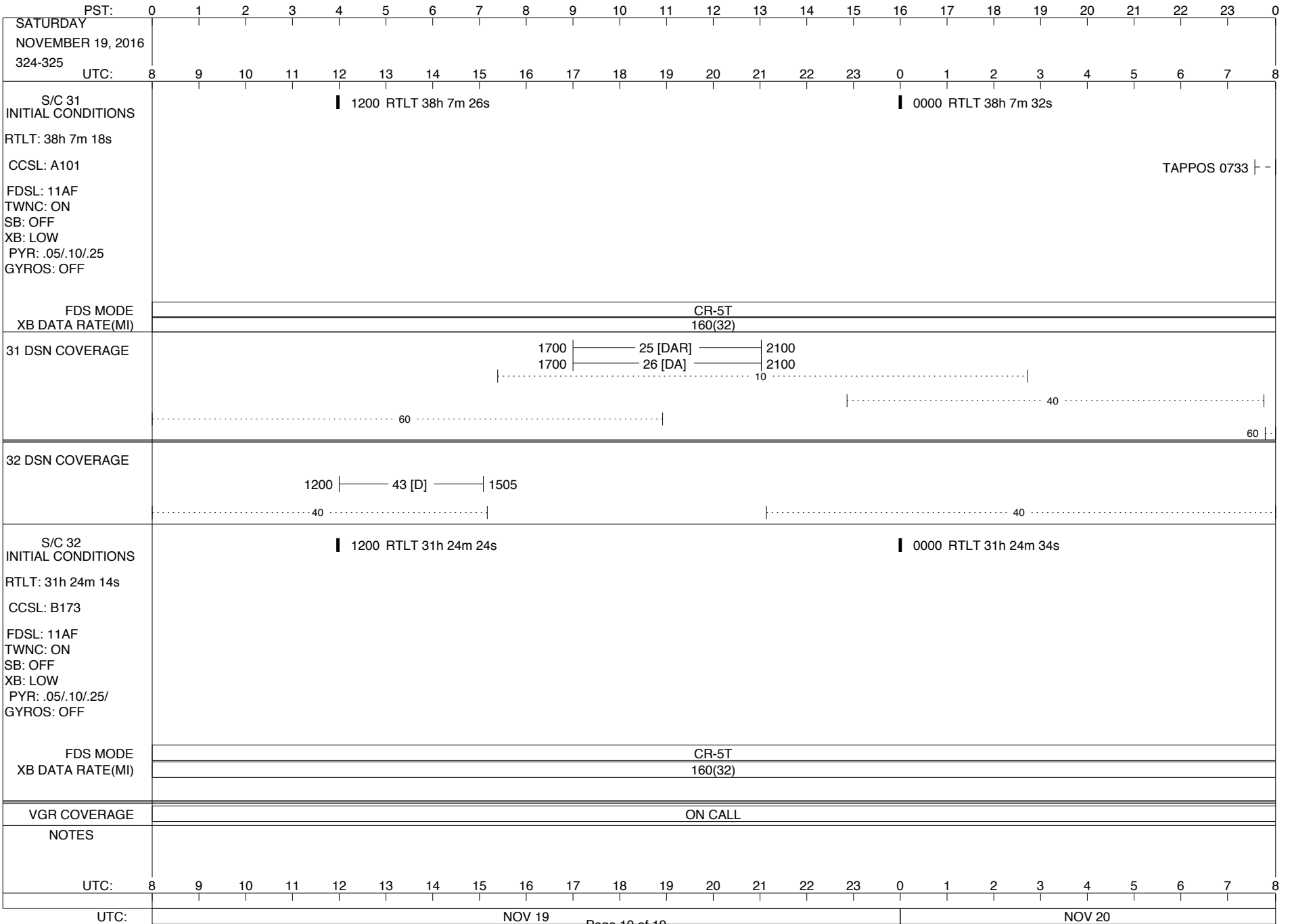
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THURSDAY NOVEMBER 17, 2016 322-323																									
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S/C 31 INITIAL CONDITIONS RTLTL: 38h 6m 50s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 6m 56s												0000 RTLTL 38h 7m 4s												
----- TLC (SHORT-FORM) -----																									
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 31h 23m 34s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 23m 44s												0000 RTLTL 31h 23m 54s												
1149* 1201 ECR 114393 - FPGYRFO UPD IMPLEMENTATION 1203* 1219 TLMPRG 1237* 1238 CCSA SID MRO 1244* 1245 CCSB SID MRO 1251* 1252 CCSA SID MRO - REDUNDANT 1258* 1259 CCSB SID MRO - REDUNDANT 1337* 1342 CCSTIM (FINE) EL-40 1102↓ CR-5T 1303↓ 1437* 1442 CCSTIM (COARSE)																									
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 @ 1102 XB=40(30) [2] S/C 32=CR-5T @ 1303 XB=160(32) [3] S/C 31=GS-4B @ 0735 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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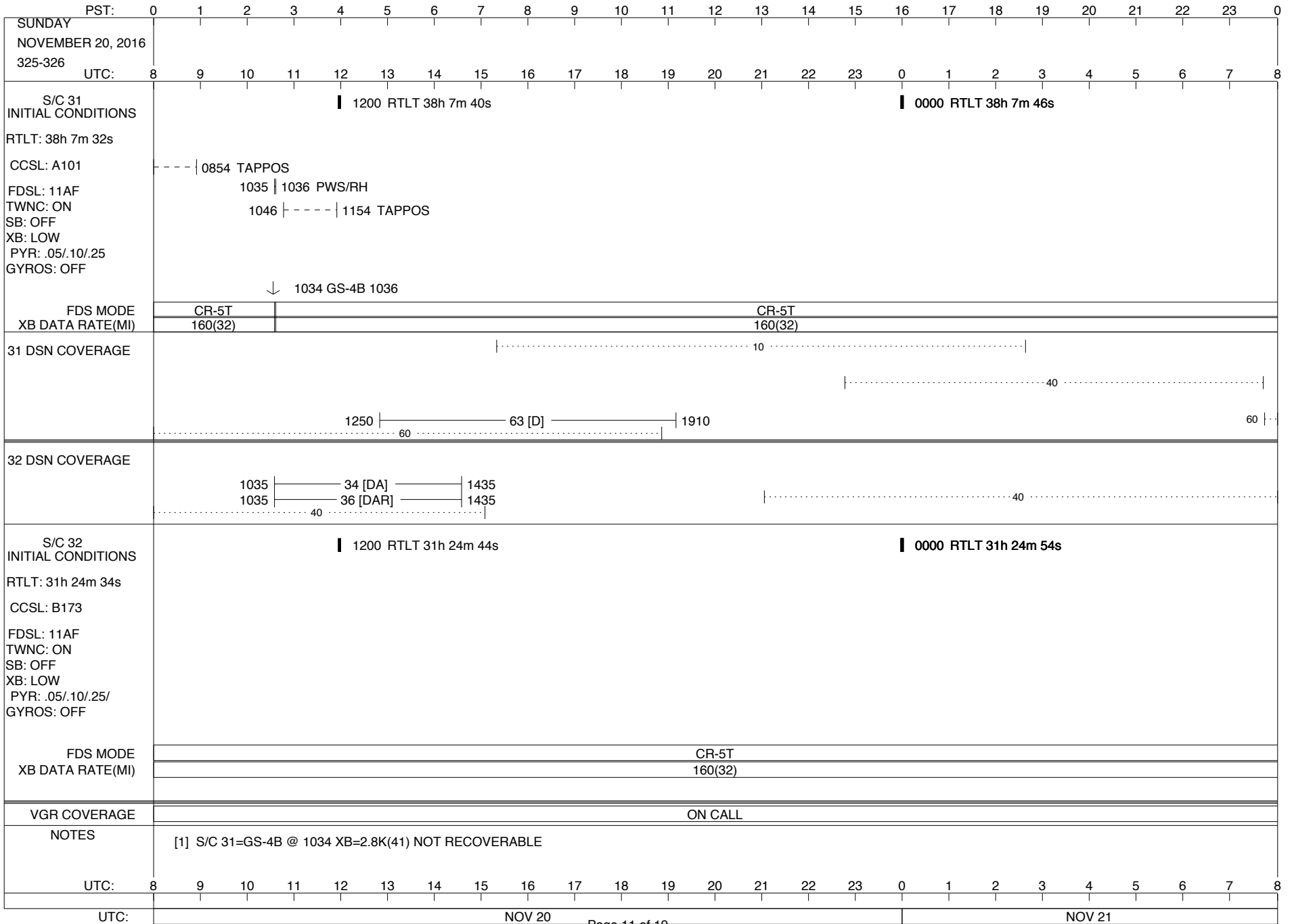
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FRIDAY NOVEMBER 18, 2016 323-324																									
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S/C 31 INITIAL CONDITIONS	1200 RTLT 38h 7m 12s												0000 RTLT 38h 7m 18s												
RTLTL: 38h 7m 4s	1418 * 1434 ECR 114299 FPGYRO PART 2 IMPLEMENTATION 1441 * 1449 CCSA SID MRO 1457 * 1506 CCSB SID MRO 1521 * 1529 CCSA SID MRO - REDUNDANT 1537 * 1546 CCSB SID MRO - REDUNDANT 0908 TAPPOS TLC (SHORT-FORM) D/L - 1750 EL-40 1357 * 1550 CR-5T																								
CCSL: A101																									
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)												
31 DSN COVERAGE	-----10----- -----40----- 1300 -----63 [D]----- 1900 60																								
32 DSN COVERAGE	1010 -----43 [D]----- 1510 40 2140 -----34 [DA]----- 0240 2140 -----35 [DAR]----- 0240 40																								
S/C 32 INITIAL CONDITIONS	1200 RTLT 31h 24m 4s												0000 RTLT 31h 24m 14s												
RTLTL: 31h 23m 54s																									
CCSL: B173																									
FDSL: 11AF																									
TWNC: ON																									
SB: OFF																									
XB: LOW																									
PYR: .05/.10/.25/																									
GYROS: OFF																									
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	[1] S/C 31=EL-40 @ 1357 XB=40(30) [2] S/C 31=CR-5T @ 1550 XB=160(32)																								
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 18												NOV 19												

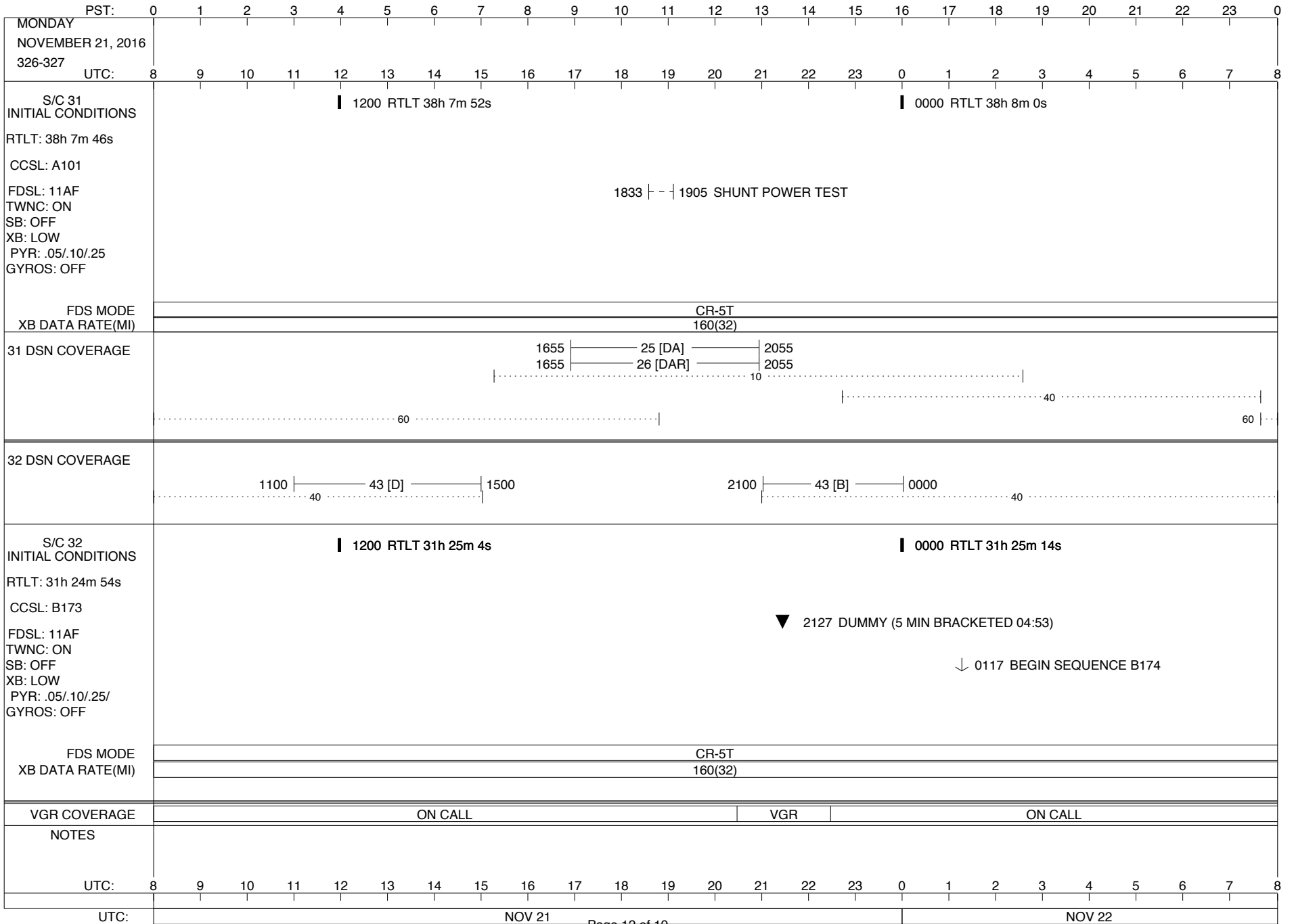
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ISSUE DATE: 11/16/16 13:31

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 NOVEMBER 22, 2016 327-328	
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 8m 0s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 8m 6s 0000 RTLT 38h 8m 12s 2255 DUMMY (13:03) 0058 0059 PWS/RH 0058 GS-4B 0059
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	2230 14 0225 60 60
32 DSN COVERAGE	1220 43 [D] 1455 0355 34 [D] 0710
S/C 32 INITIAL CONDITIONS RTLT: 31h 25m 14s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 25m 22s 0000 RTLT 31h 25m 32s 1233 IMPLEMENT ECR 114373 - E-0296 SAMPLING 1322 - 1354 SHUNT POWER TEST
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
VGR COVERAGE	ON CALL
NOTES	[1] S/C 31=GS-4B @ 0058 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 22 NOV 23	

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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	
WEDNESDAY NOVEMBER 23, 2016 328-329	
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 8m 12s 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 RTLT 38h 8m 20s</div> <div>0000 RTLT 38h 8m 26s</div> </div>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div>2215 ----- 14 [D] ----- 0225</div> <div>60 ----- 60</div> </div>
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div>1050 ----- 43 [D] ----- 1450</div> <div>0345 - 0755 ----- 34 [o] ----- </div> <div>40 ----- 40</div> </div>
S/C 32 INITIAL CONDITIONS RTLT: 31h 25m 32s 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 RTLT 31h 25m 42s</div> <div>0000 RTLT 31h 25m 52s</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: NOV 23 NOV 24	

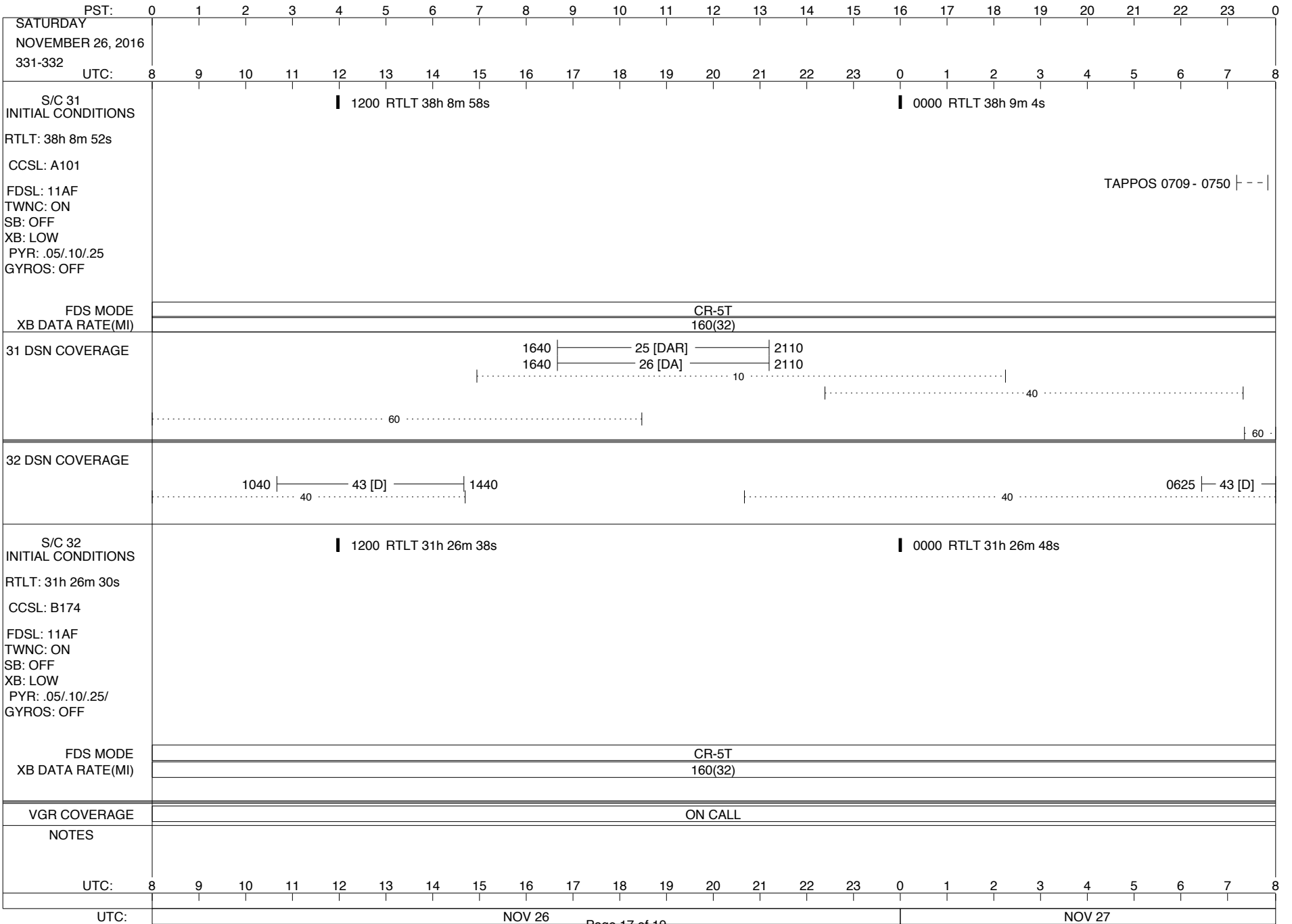
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THURSDAY NOVEMBER 24, 2016 329-330	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
S/C 31 INITIAL CONDITIONS RTLT: 38h 8m 26s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 8m 32s 0000 RTLT 38h 8m 38s 0409 --- 0503 TAPPOS PWS/RH 0711 - 0712 TAPPOS 0723 --- 0711 GS-4B 0712 ↓
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	1505 ----- 14 [D] ----- 0140 ----- 10 ----- 40 ----- 60 ----- 60
32 DSN COVERAGE	----- 40 ----- 40
S/C 32 INITIAL CONDITIONS RTLT: 31h 25m 52s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 26m 0s 0000 RTLT 31h 26m 10s
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
VGR COVERAGE	ON CALL
NOTES	[1] S/C 31=GS-4B @ 0711 XB=2.8K(41) NOT RECOVERABLE JPL HOLIDAY!
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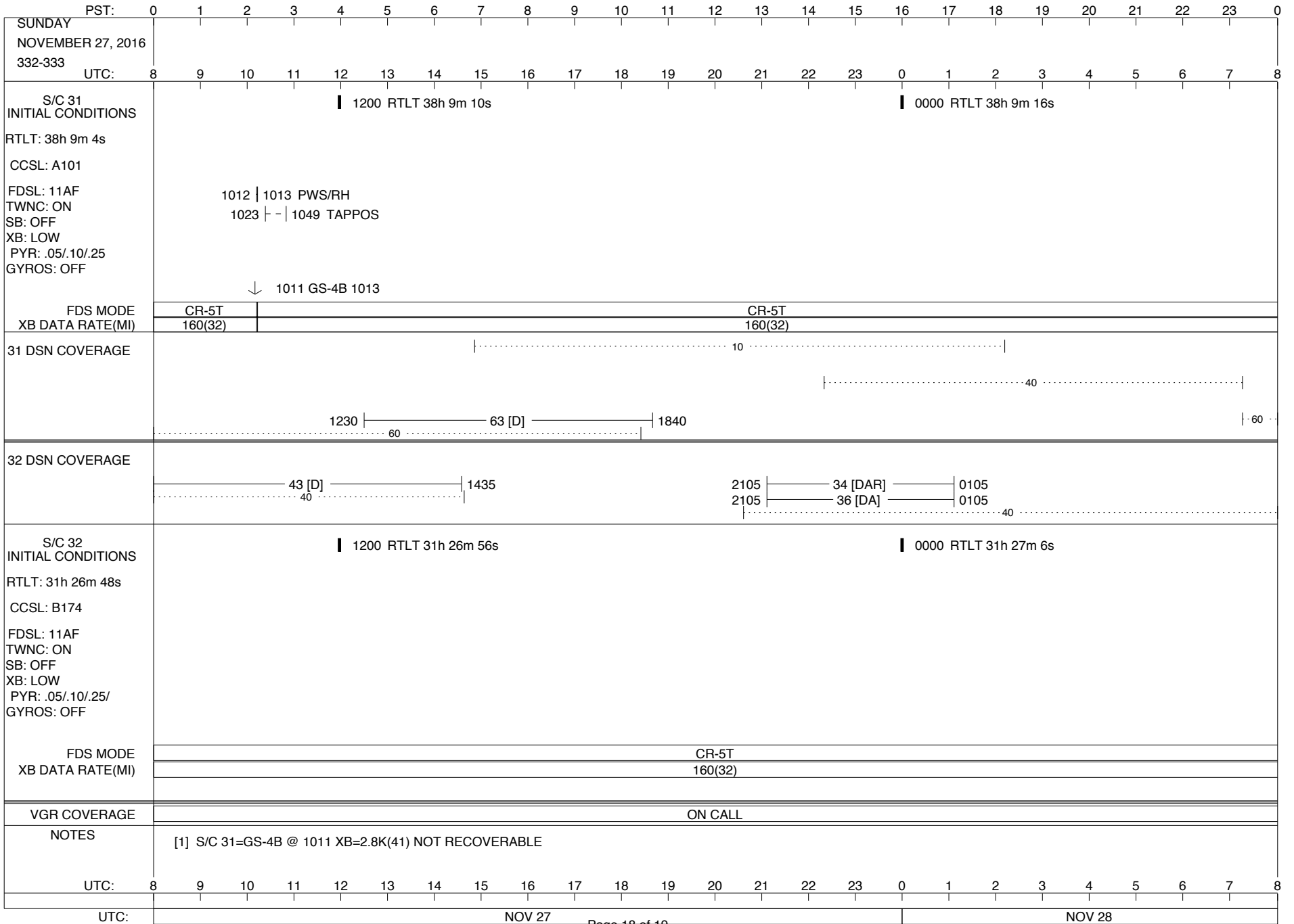
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FRIDAY NOVEMBER 25, 2016 330-331	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
S/C 31 INITIAL CONDITIONS RTLT: 38h 8m 38s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> <div>1200 RTLT 38h 8m 46s</div> <div>0000 RTLT 38h 8m 52s</div> </div> 0803 TAPPOS
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	2200 -----14 [D]----- 0215 -----40----- -----60----- 60
32 DSN COVERAGE	1010 -----43 [D]----- 1445 -----40----- 40
S/C 32 INITIAL CONDITIONS RTLT: 31h 26m 10s 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 RTLT 31h 26m 20s</div> <div>0000 RTLT 31h 26m 30s</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:	NOV 25 NOV 26

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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	<div style="text-align: center;"> <p>1200 RTLT 38h 9m 22s</p> </div>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<div style="text-align: center;"> <p>1450 ----- 14 [D] ----- 1850</p> <p>..... 60</p> </div>																								
32 DSN COVERAGE	<div style="text-align: center;"> <p>2035 ----- 43 ----- 2320</p> <p>..... 40</p> </div>																								
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	<div style="text-align: center;"> <p>1200 RTLT 31h 27m 16s</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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