

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 26, 2016

For the Period: 10/27/16 to 11/14/16 (16-301 – 16-319)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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SCIENCE

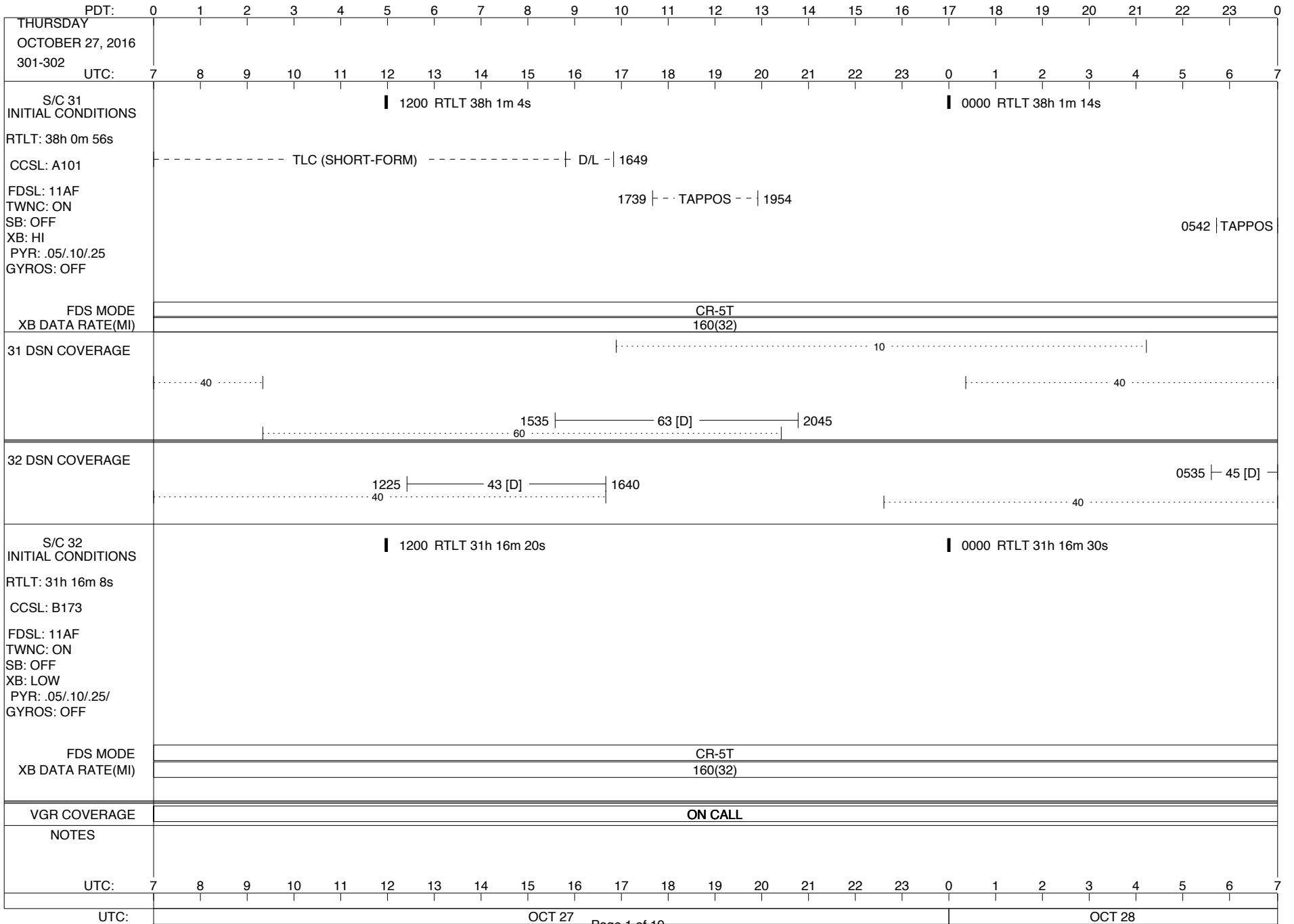
CRS *bryant@mail630.gsfc.nasa.gov
 LECP *r.decker@jhuapl.edu
 UVS *holburg@argus.lpl.arizona.edu
 MAG *u2mha@lepvox.gsfc.nasa.gov
 PLS *vgr@space.mit.edu
 PWS *wsk@space.physics.uiowa.edu
 *Leonard.F.Burlaga@nasa.gov
 *Donald-Gurnett@uiowa.edu

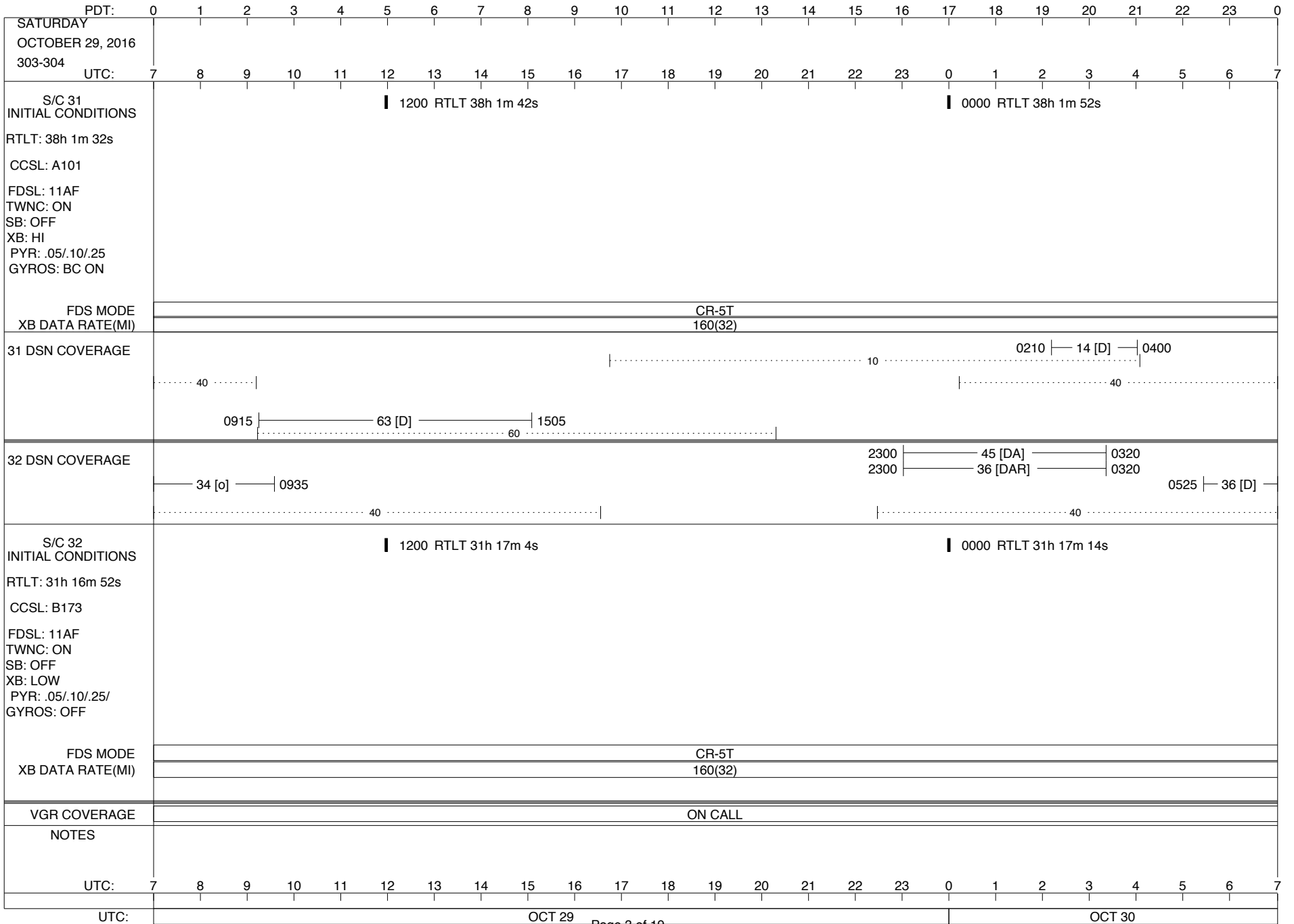
FLIGHT TEAM (14) 600-100

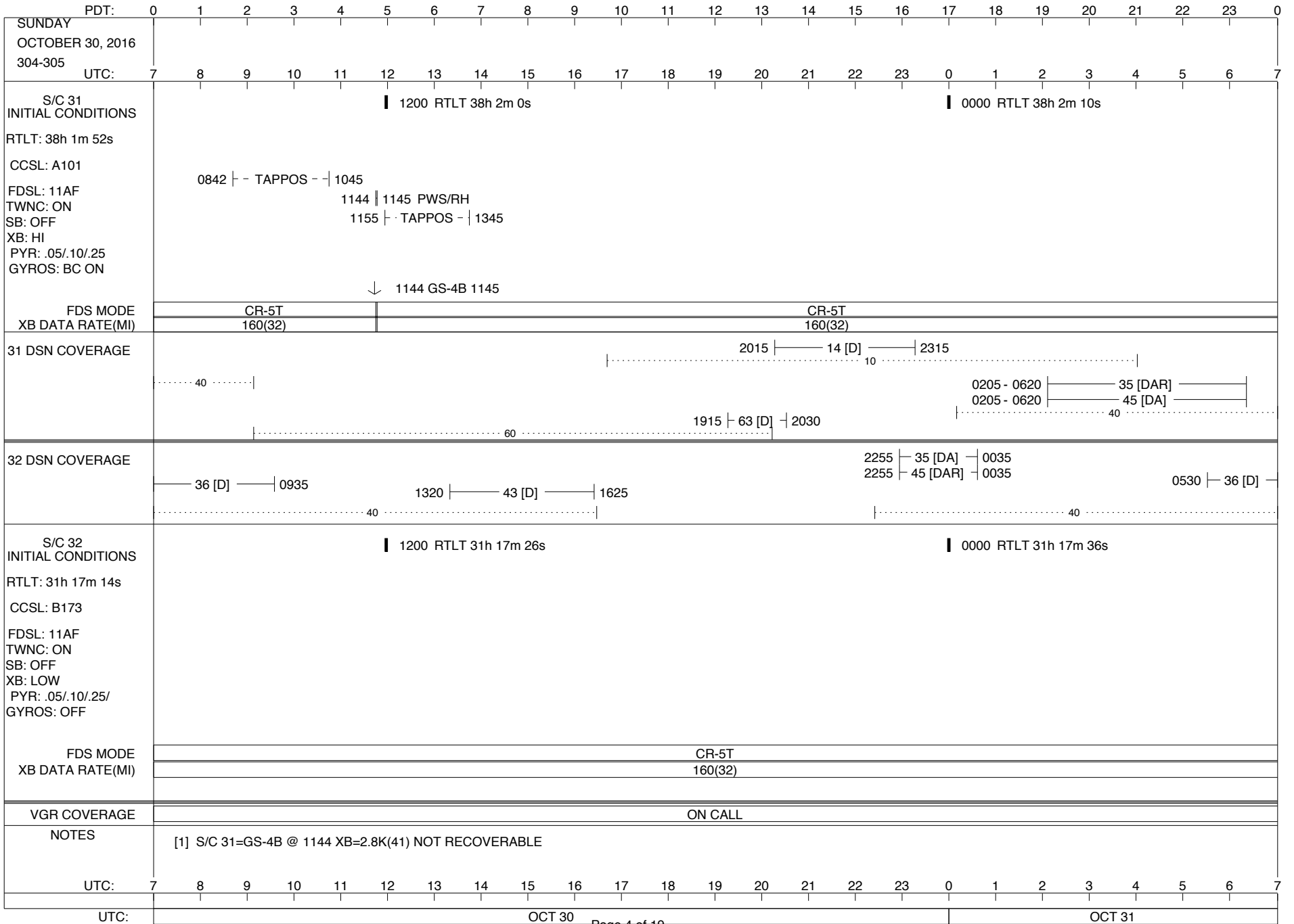
Dodd, S.
 Hall, J.
 Howard, S. (3)
 Ludwig, R. (2)
 Matsumoto, S.
 Medina
 Peralta, F.
 Weeks, T.
 Wong, R.
 Yang, L.
 Zottarelli, L.
 *odivers@san.rr.com

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

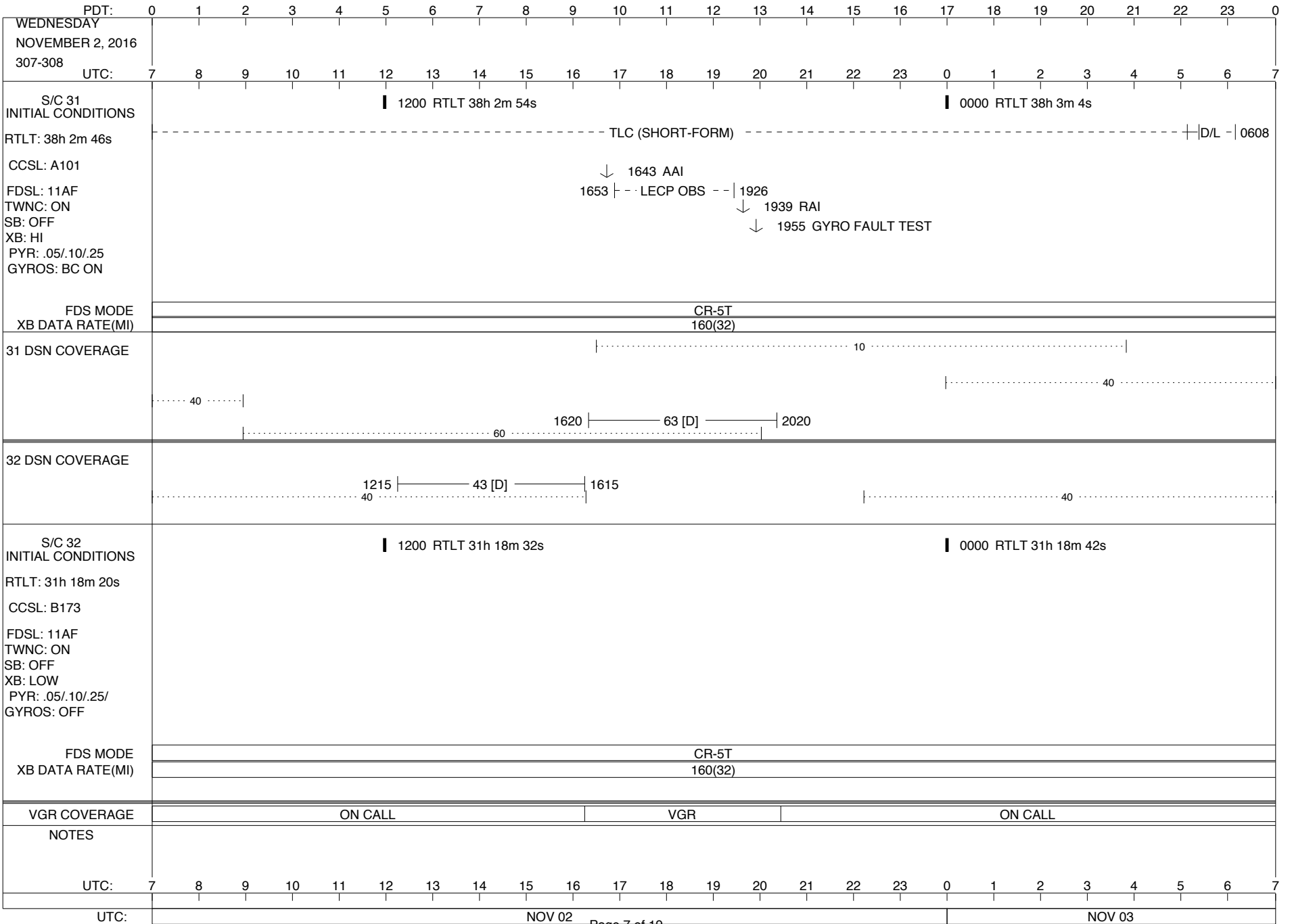
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10



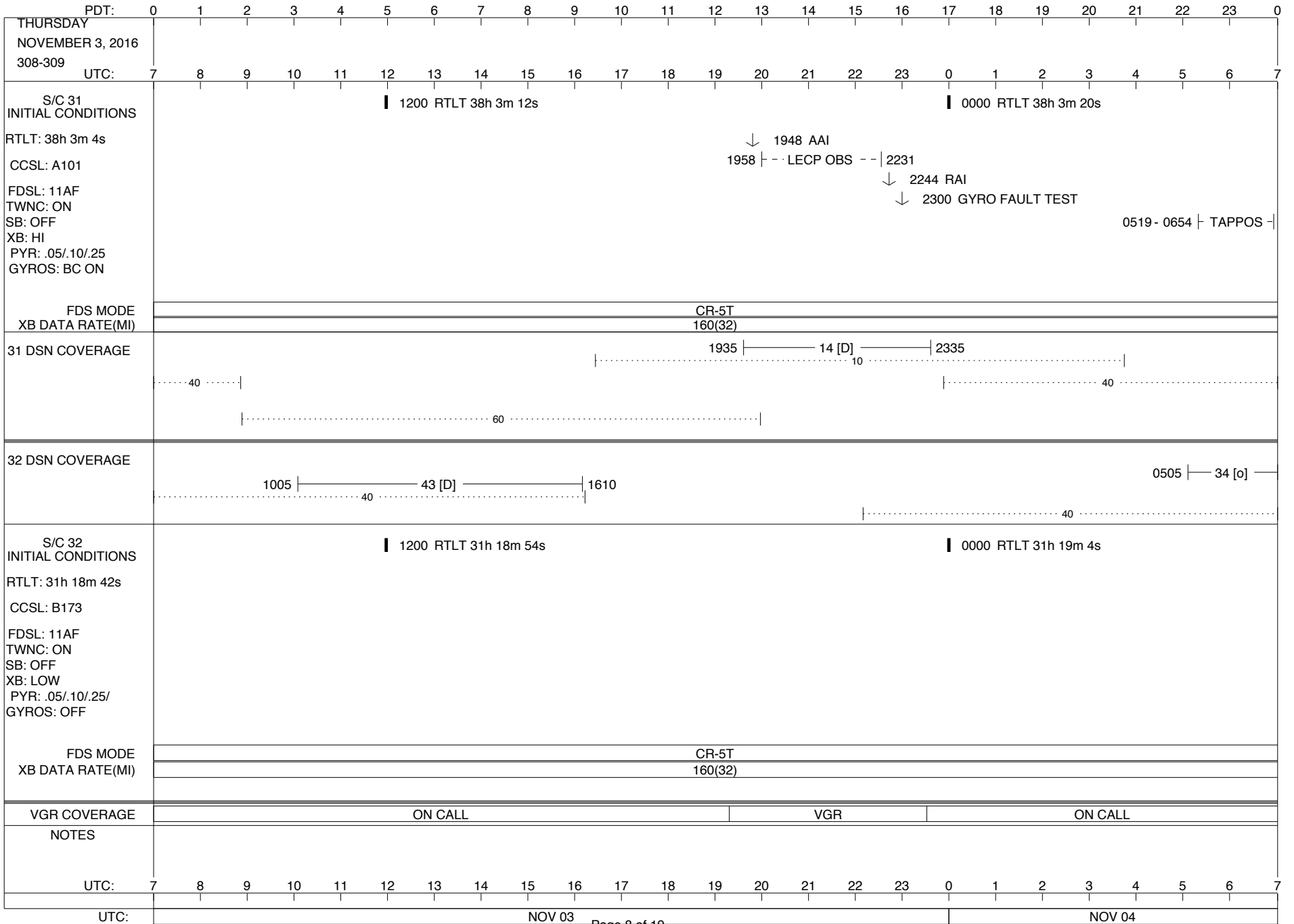




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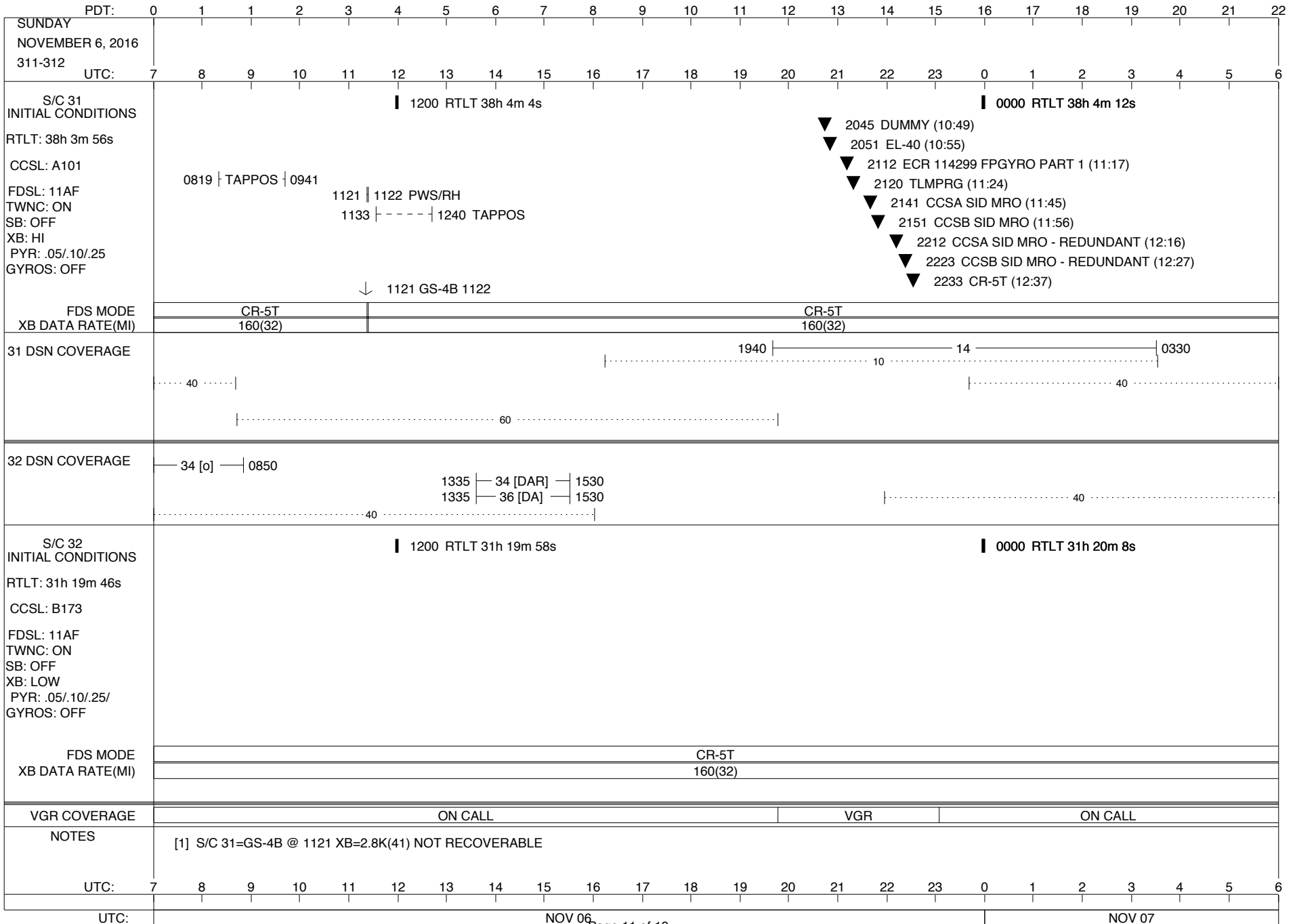


ISSUE DATE: 11/02/16 13:38

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FRIDAY NOVEMBER 4, 2016 309-310																									
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 3m 20s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 38h 3m 30s												0000 RTLT 38h 3m 38s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	<p>1800 ----- 24 [DAR] ----- 0140 1800 ----- 26 [DAR] ----- 0140 1915 ----- 14 [DAR] ----- 0225 40 ----- 60 ----- ----- 10 ----- ----- 40 ----- </p>																								
32 DSN COVERAGE	<p>34 [o] ----- 0915 ----- 1345 ----- 34 [DAR] ----- 1540 1345 ----- 35 [DAR] ----- 1540 40 ----- </p>																								
S/C 32 INITIAL CONDITIONS RTLT: 31h 19m 4s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 19m 14s												0000 RTLT 31h 19m 26s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	<p>[1] S/C 31=GS-4B @ 0820 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=DL AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1939-0135)</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:	NOV 04												Page 9 of 19						NOV 05						

ISSUE DATE: 11/02/16 13:38

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SATURDAY NOVEMBER 5, 2016 310-311	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 3m 38s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 3m 46s												0000 RTLT 38h 3m 56s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE40.....60.....												2215 -----14 [D]----- 0215 10 -----40-----													
32 DSN COVERAGE	1005 -----43 [D]----- 1555 40 -----40-----												0450 -----34 [o]----- 40 -----40-----													
S/C 32 INITIAL CONDITIONS RTLT: 31h 19m 26s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 19m 36s												0000 RTLT 31h 19m 46s													
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:	NOV 05													NOV 06												



PST:	22	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
MONDAY NOVEMBER 7, 2016 312-313																												
UTC:	6	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 4m 12s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 4m 20s														0000 RTLT 38h 4m 28s													
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLT: 31h 20m 8s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 20m 18s														0000 RTLT 31h 20m 30s													
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL																				VGR							
NOTES	[1] DSS-43 HP TXR DRV ON >= 23:15																											
UTC:	6	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:	NOV 07														NOV 08													

		PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
TUESDAY																														
NOVEMBER 8, 2016																														
313-314		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 4m 38s												0000 RTLT 38h 4m 46s														
RTLT: 38h 4m 28s		U/L 0900		----- TLC (SHORT-FORM) -----																										
CCSL: A101				1118 * 1124 ECR 114299 FPGYRO PART 1 IMPLEMENTATION																										
FDSL: 11AF				1125 * 1141 TLMPRG												0144 0145 PWS/RH														
TWNC: ON				1146 * 1152 CCSA SID MRO																										
SB: OFF				1157 * 1203 CCSB SID MRO																										
XB: HI				1217 * 1223 CCSA SID MRO - REDUNDANT																										
PYR: .05/.10/.25				1228 * 1234 CCSB SID MRO - REDUNDANT																										
GYROS: OFF				EL-40 1056 * 1238 CR-5T												↓ 0144 GS-4B 0145														
FDS MODE		CR-5T		EL-40		CR-5T		CR-5T		CR-5T		CR-5T		CR-5T		CR-5T		CR-5T		CR-5T		CR-5T		CR-5T		CR-5T				
XB DATA RATE(MI)		160(32)		40(30)		160(32)		160(32)		160(32)		160(32)		160(32)		160(32)		160(32)		160(32)		160(32)		160(32)		160(32)				
31 DSN COVERAGE				----- 10 -----																										
		40		----- 40 -----																										
		0835		63 [T]		1345		----- 60 -----																						
32 DSN COVERAGE		43 [H1] 0815		----- 40 -----																										
				----- 40 -----																										
S/C 32 INITIAL CONDITIONS				1200 RTLT 31h 20m 40s												0000 RTLT 31h 20m 50s														
RTLT: 31h 20m 30s																														
CCSL: B173																														
FDSL: 11AF		▼ 0714 CCSTIM F/C (14:34)																												
TWNC: ON																														
SB: OFF																														
XB: LOW																														
PYR: .05/.10/.25/																														
GYROS: OFF																														
FDS MODE				CR-5T																										
XB DATA RATE(MI)				160(32)																										
VGR COVERAGE		VGR	ON CALL	VGR	ON CALL																									
NOTES		[1] S/C 31=EL-40 @ 1056 XB=40(30) [2] S/C 31=CR-5T @ 1238 XB=160(32) [3] S/C 31=GS-4B @ 0144 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:		NOV 08												NOV 09																

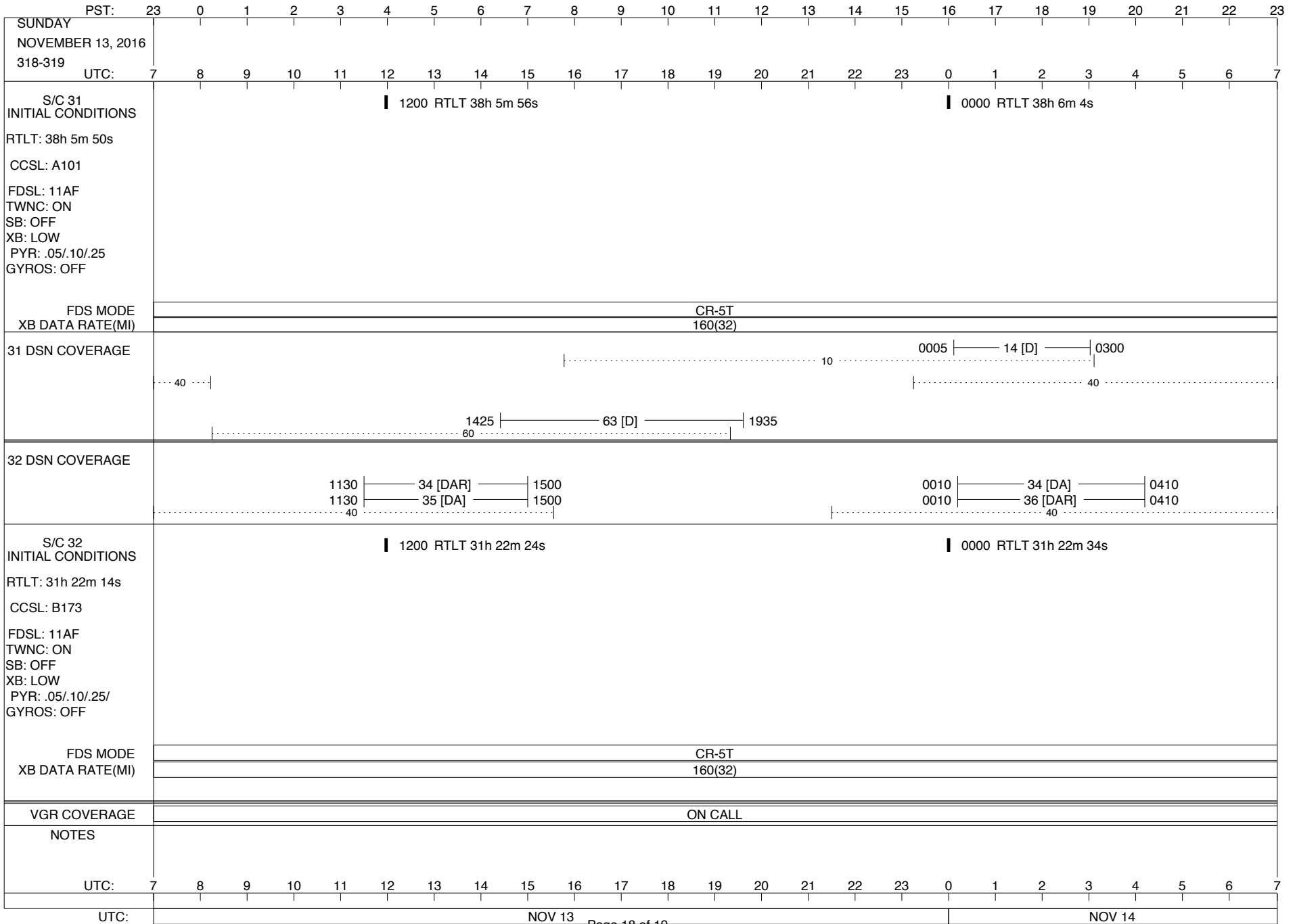
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WEDNESDAY NOVEMBER 9, 2016 314-315																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 38h 4m 46s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 4m 54s												0000 RTLT 38h 5m 2s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0830 63 [D] 1105												1605 14 [D] 0235												
32 DSN COVERAGE	1130 43 [D] 1545																								
S/C 32 INITIAL CONDITIONS RTLTL: 31h 20m 50s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 21m 0s												0000 RTLT 31h 21m 12s												
FDS MODE	CR-5T				EL-40				CR-5T				CR-5T												
XB DATA RATE(MI)	160(32)				40(30)				160(32)				160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 32=EL-40 @ 1147 XB=40(30) [2] S/C 32=CR-5T @ 1401 XB=160(32)																								
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:	NOV 09												NOV 10												

ISSUE DATE: 11/02/16 13:38

		PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FRIDAY NOVEMBER 11, 2016 316-317		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 5m 18s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 38h 5m 26s											0000 RTLT 38h 5m 34s														
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)														
31 DSN COVERAGE		40											2330 14 [D] 0135 40														
32 DSN COVERAGE		1140 43 [D] 1540 40											0225 36 [DAR] 0525 0225 34 [DAo] 40														
S/C 32 INITIAL CONDITIONS RTLT: 31h 21m 32s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF		1200 RTLT 31h 21m 42s											0000 RTLT 31h 21m 54s														
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:		NOV 11											NOV 12														

ISSUE DATE: 11/02/16 13:38



ISSUE DATE: 11/02/16 13:38

PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MONDAY NOVEMBER 14, 2016 319-320																									
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S/C 31 INITIAL CONDITIONS	1200 RTLT 38h 6m 12s																								
RTLT: 38h 6m 4s																									
CCSL: A101																									
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	1525 ----- 14 [D] ----- 1755 ... 40 ... 0815 ----- 63 [D] ----- 1215 60																								
32 DSN COVERAGE	1245 ----- 43 [D] ----- 1525 40																								
S/C 32 INITIAL CONDITIONS	1200 RTLT 31h 22m 44s																								
RTLT: 31h 22m 34s																									
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																								
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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