

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 11, 2015

For the Period: 11/12/15 to 11/30/15 (15-316 – 15-334)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

*Zsarina.Bulchand@jpl.nasa.gov
 *gdyke@airmail.ftops.jpl.nasa.gov
 *John.M.Grant@jpl.nasa.gov
 *dmcclena@airmail.ftops.jpl.nasa.gov
 *pquach@airmail.ftops.jpl.nasa.gov
 *mrobles@airmail.ftops.jpl.nasa.gov
 *rwilliam@airmail.ftops.jpl.nasa.gov

OTHER

* KMassey@jgld.gdscc.nasa.gov
 * Belinda.Arroyo@jpl.nasa.gov
 *DL-DSSN-MPSETA@dsn.nasa.gov

SCIENCE

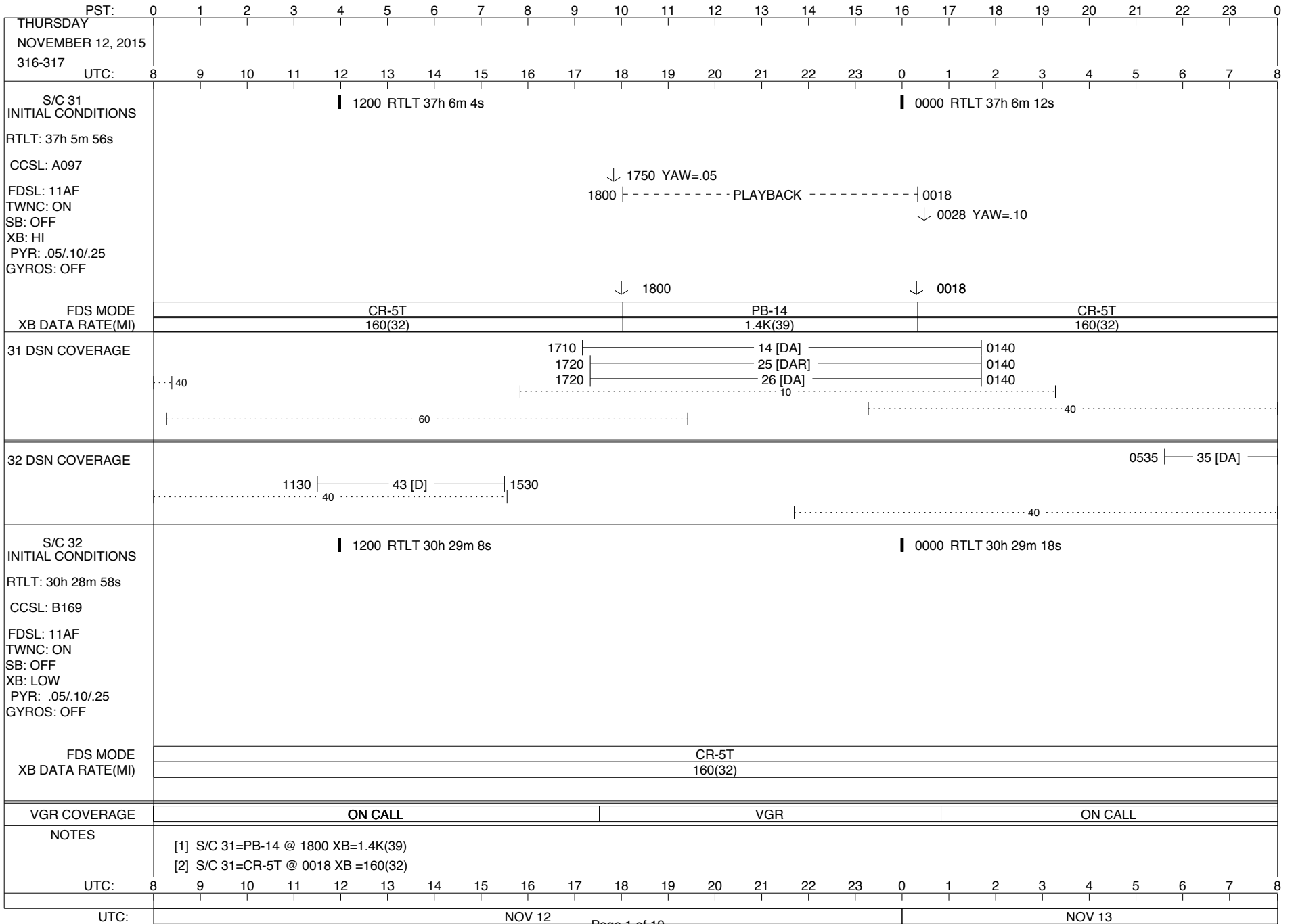
CRS *bryant@mail630.gsfc.nasa.gov
 LECP *r.decker@jhupl.edu
 UVS *holburg@argus.lpl.arizona.edu
 MAG *u2mha@lepvox.gsfc.nasa.gov
 PLS *vgr@space.mit.edu
 PWS *wsk@space.physics.uiowa.edu
 *Leonard.F.Burlaga@nasa.gov
 *Donald-Gurnett@uiowa.edu

FLIGHT TEAM (14) 600-100

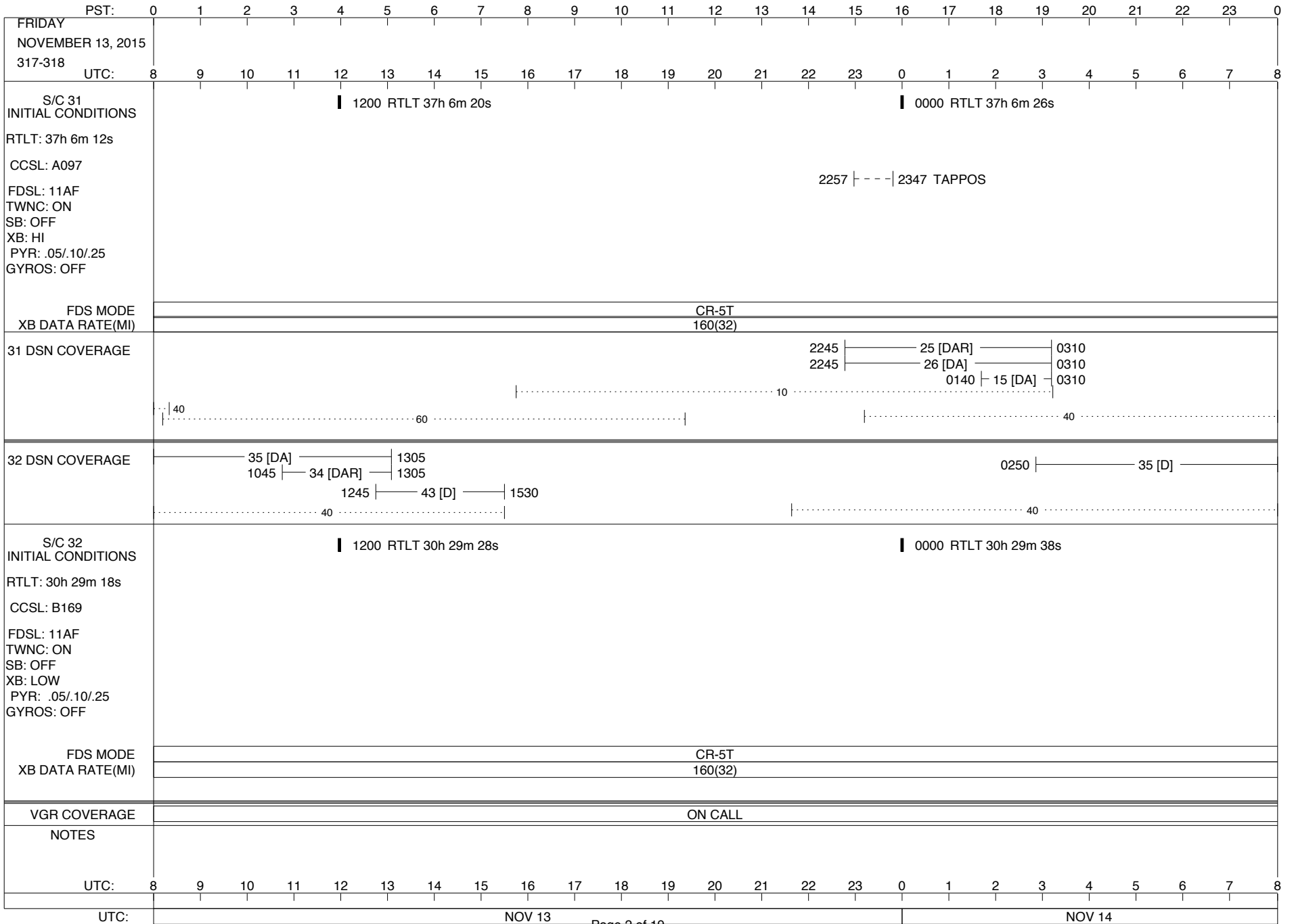
Dodd, S.
 Hall, J.
 Howard, S. (3)
 Ludwig, R. (2)
 Matsumoto, S.
 Medina
 Peralta, F.
 Weeks, T.
 Wong, R.
 Yang, L.
 Zottarelli, L.
 *odivers@san.rr.com

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

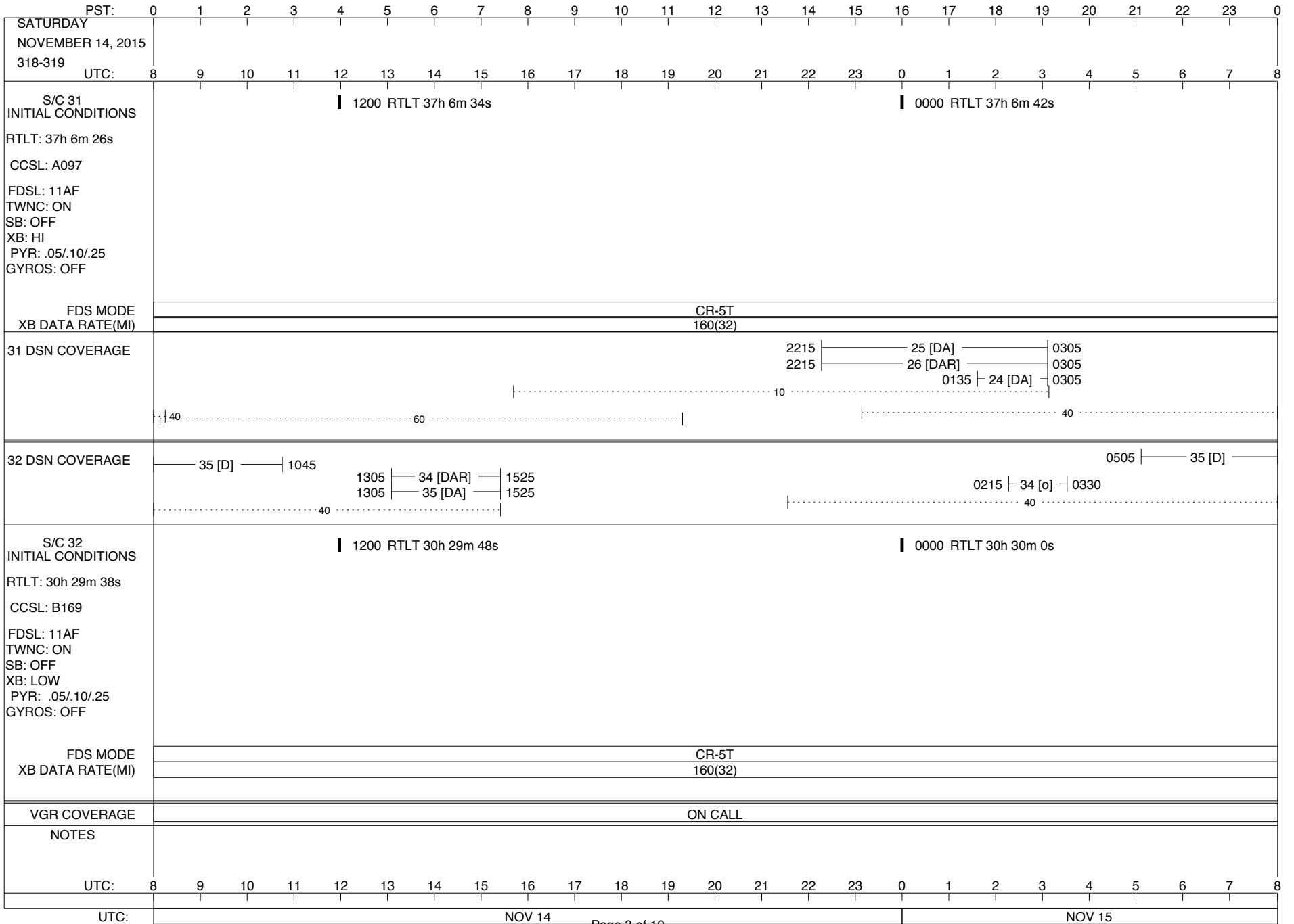
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10



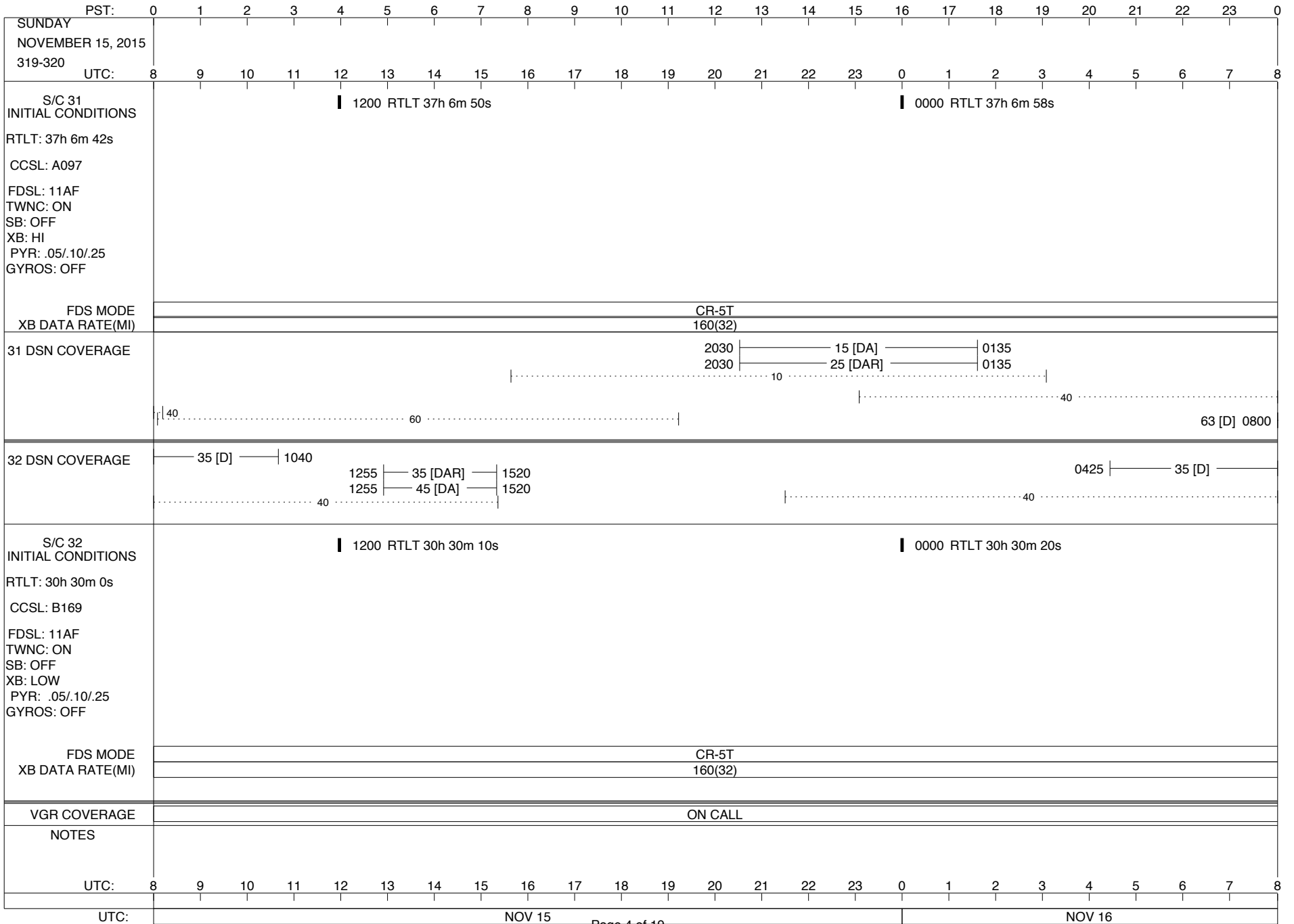
ISSUE DATE: 11/11/15 12:43



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MONDAY NOVEMBER 16, 2015 320-321																													
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: 37h 6m 58s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 37h 7m 4s														0000 RTLT 37h 7m 12s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
31 DSN COVERAGE		<p>Timeline for 31 DSN COVERAGE: - 0800 - 0930: 63 [D] (40 min) - 0125 - 0300: 15 [DA] (10 min) - 2235 - 0300: 25 [DA] (45 min) - 2235 - 0300: 26 [DAR] (45 min) - 0125 - 0300: 15 [DA] (10 min)</p>																											
32 DSN COVERAGE		<p>Timeline for 32 DSN COVERAGE: - 1035 - 1515: 35 [DAR] (48 min) - 1255 - 1515: 34 [DA] (26 min) - 2255 - 0255: 43 [H1] (20 min)</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 30h 30m 20s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 30h 30m 30s														0000 RTLT 30h 30m 40s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
VGR COVERAGE		ON CALL														VGR							ON CALL						
NOTES		[1] HP DRV ON >= 22:42:34																											
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UTC:		NOV 16														NOV 17													

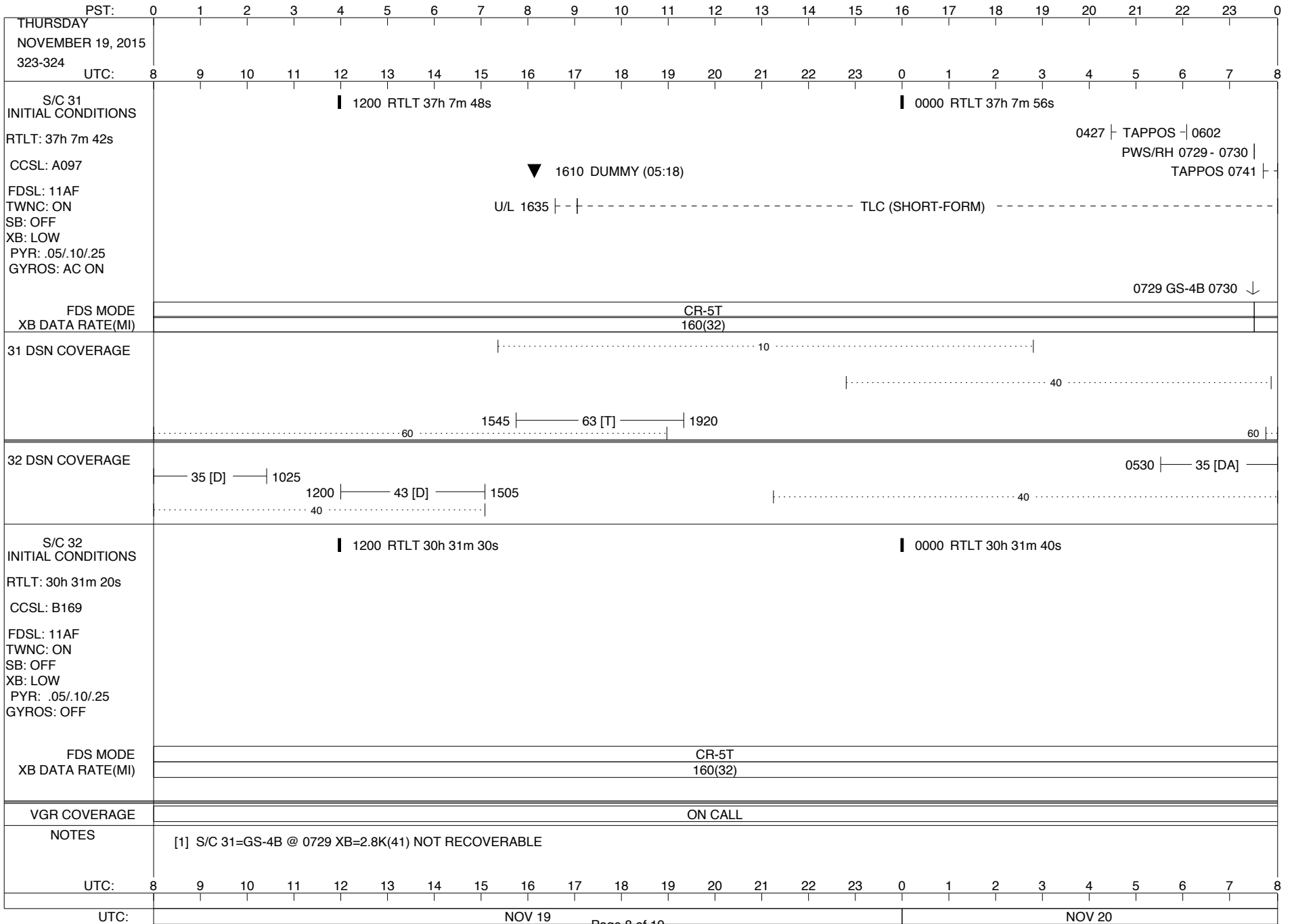
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TUESDAY																													
NOVEMBER 17, 2015																													
321-322																													
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S/C 31 INITIAL CONDITIONS		1200 RTLT 37h 7m 20s														0000 RTLT 37h 7m 26s													
RTLTL: 37h 7m 12s																													
CCSL: A097																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: AC ON																													
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>40 ----- 60</p> <p>1800 ----- 1930</p> </div> <div style="width: 10%; text-align: center;">10</div> <div style="width: 45%;"> <p>2325 ----- 24 [DA] ----- 0255</p> <p>2325 ----- 25 [DAR] ----- 0255</p> <p>0120 ----- 26 [DA] ----- 0255</p> <p>40 ----- 60</p> </div> </div>																											
32 DSN COVERAGE		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>35 [D] ----- 1035</p> <p>1210 ----- 43 [D] ----- 1515</p> <p>40 ----- 40</p> </div> <div style="width: 10%; text-align: center;">40</div> <div style="width: 45%;"> <p>0245 ----- 35 [D] ----- </p> <p>40 ----- 40</p> </div> </div>																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 30h 30m 50s														0000 RTLT 30h 31m 0s													
RTLTL: 30h 30m 40s																													
CCSL: B169																													
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					
NOTES		[1] S/C 31=GS-4B @ 0115 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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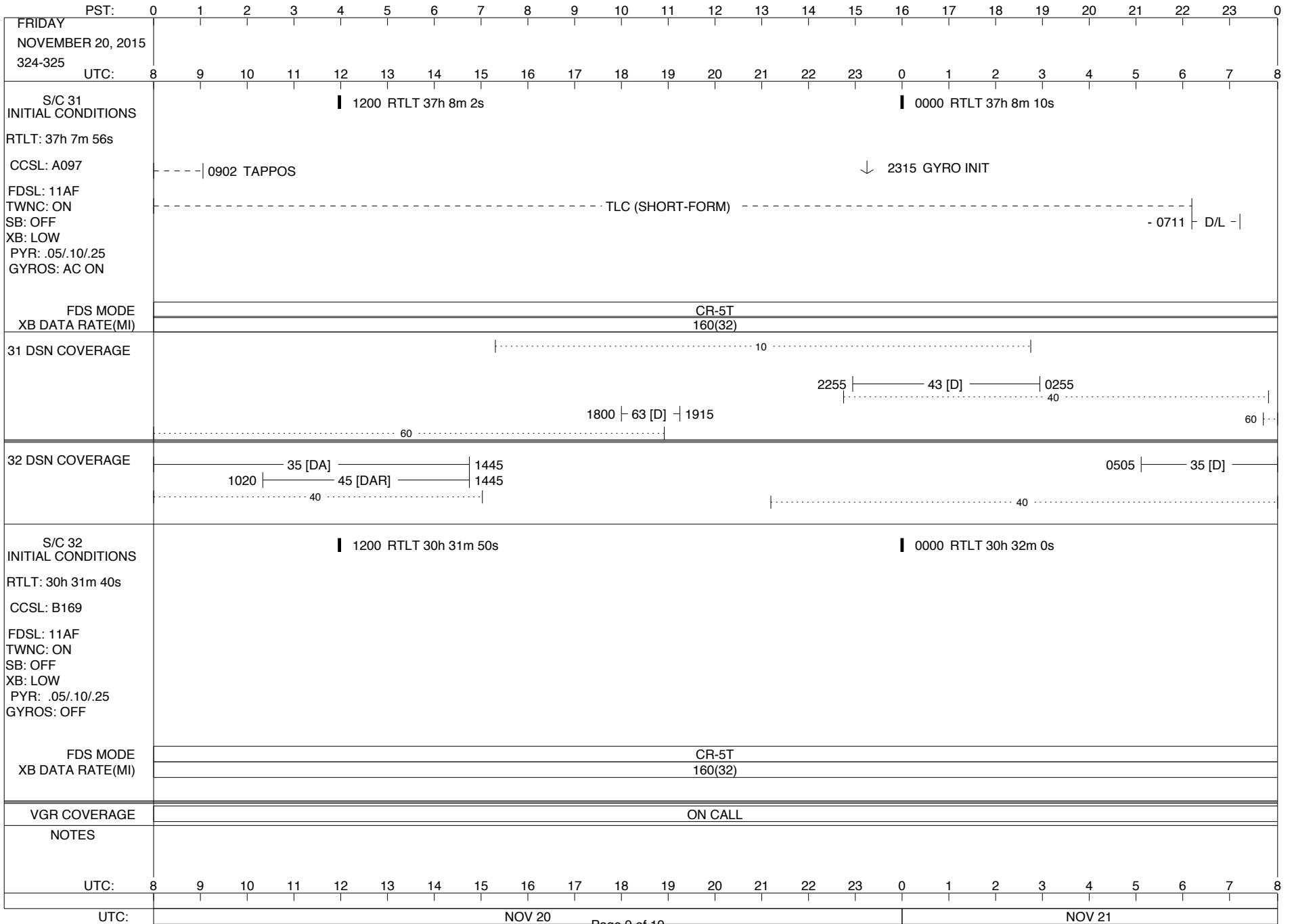
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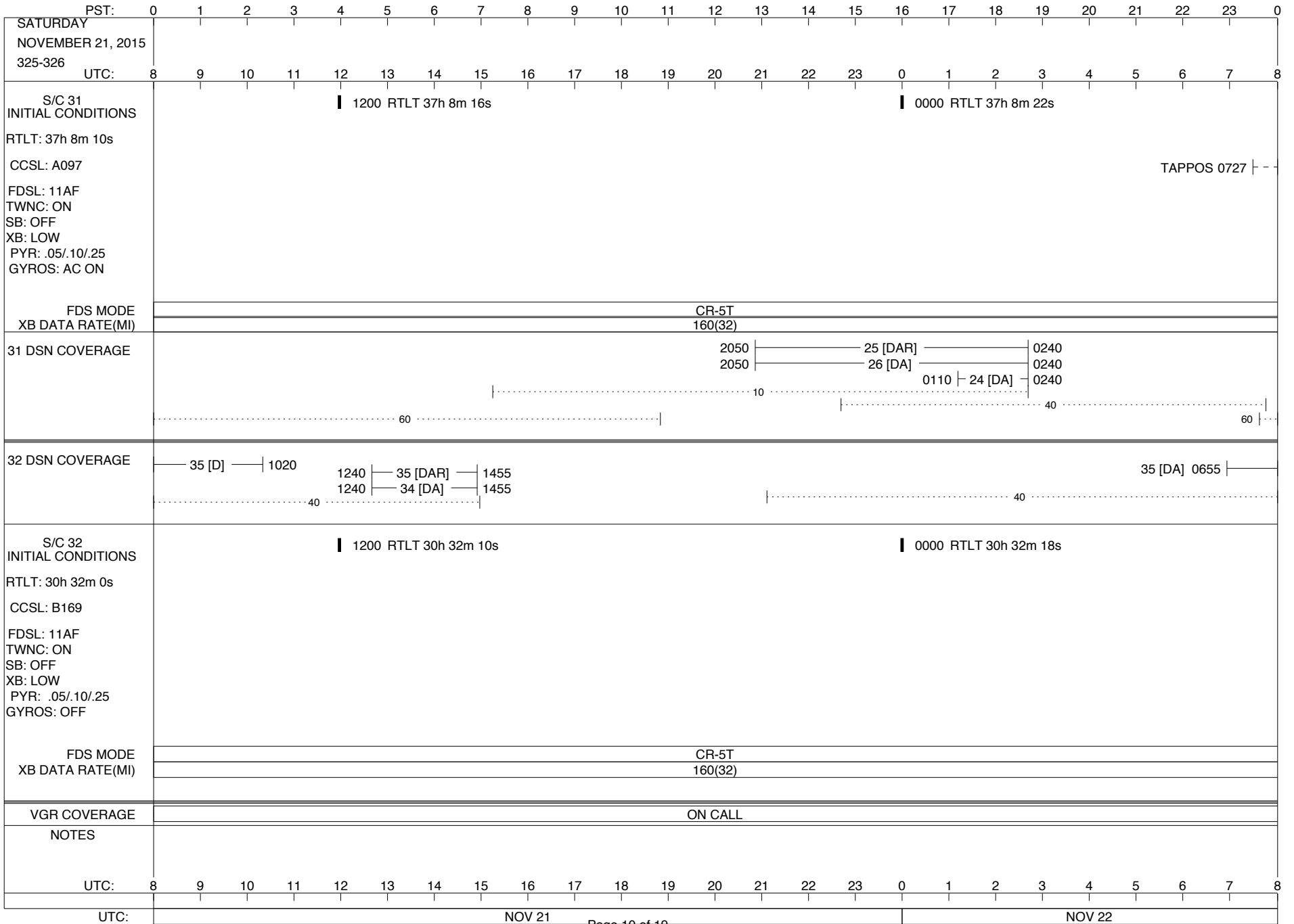
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WEDNESDAY NOVEMBER 18, 2015 322-323	
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S/C 31 INITIAL CONDITIONS RTLT: 37h 7m 26s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	<p>1200 RTLT 37h 7m 34s</p> <p>0000 RTLT 37h 7m 42s</p> <p>2315 GYRO INIT</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
31 DSN COVERAGE	<p>2150 ----- 24 [DA] ----- 0250</p> <p>2150 ----- 26 [DAR] ----- 0250</p> <p>0120 ----- 15 [DA] ----- 0250</p> <p>40 60 10 40 60</p>
32 DSN COVERAGE	<p>35 [D] ----- 1030</p> <p>1250 ----- 35 [DA] ----- 1510</p> <p>1250 ----- 45 [DAR] ----- 1510</p> <p>0445 - 0745 ----- 43 [H1o] ----- </p> <p>35 [D] 0745 ----- </p> <p>40 40 40</p>
S/C 32 INITIAL CONDITIONS RTLT: 30h 31m 0s CCSL: B169 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 30h 31m 10s</p> <p>0000 RTLT 30h 31m 20s</p> <p>* 0811 ECR 114151 WPM MEMUPD-CCSB</p> <p>* 0815 - 0825 TLMPRG</p> <p>* 0838 - 0844 5 SID MRO'S</p> <p>* 0916 0922 5 SID MRO'S-REDUNDANT</p>
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)
VGR COVERAGE	VGR ON CALL
NOTES	[1] B170 BACKUP U/L
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	

ISSUE DATE: 11/11/15 12:43

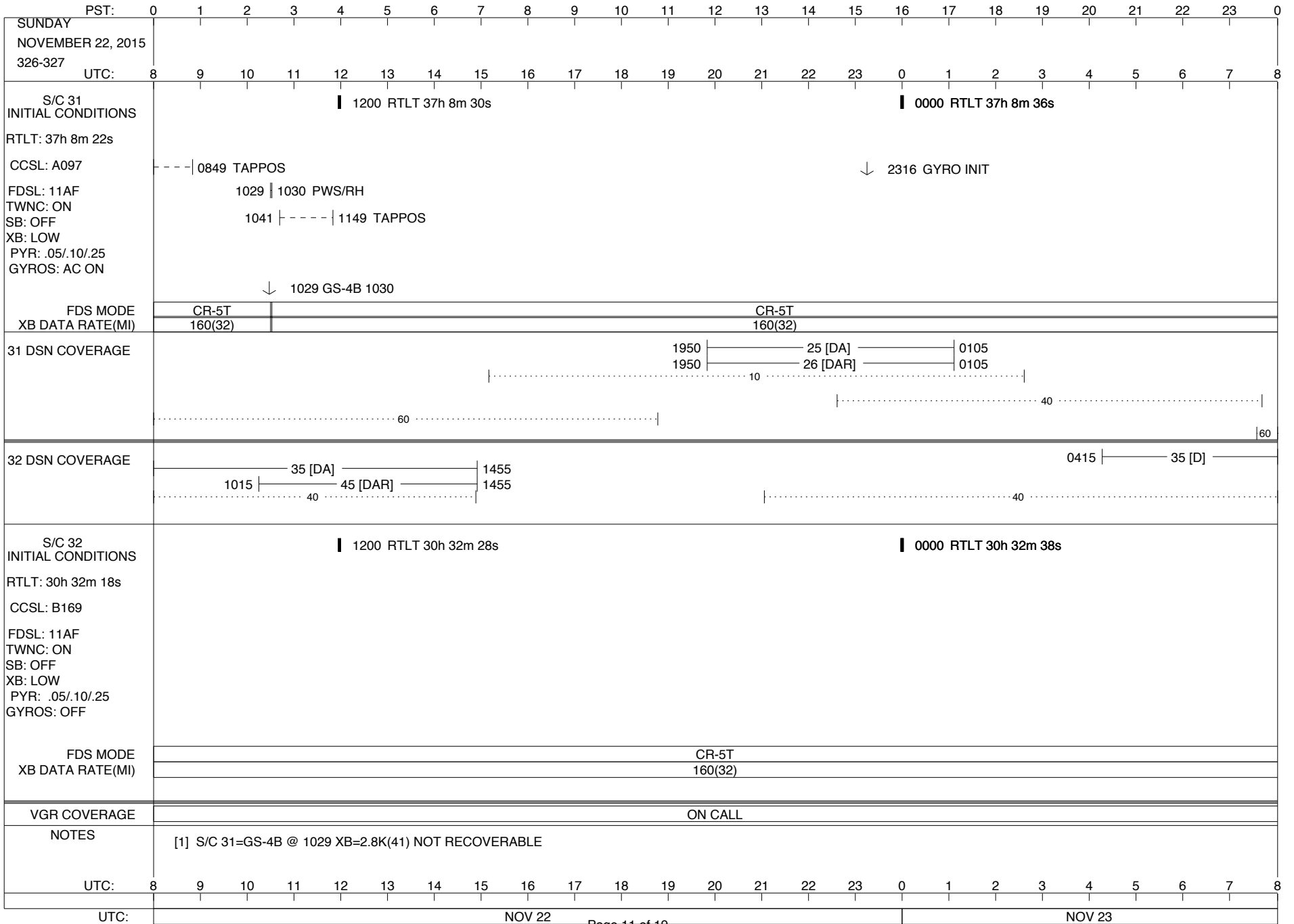


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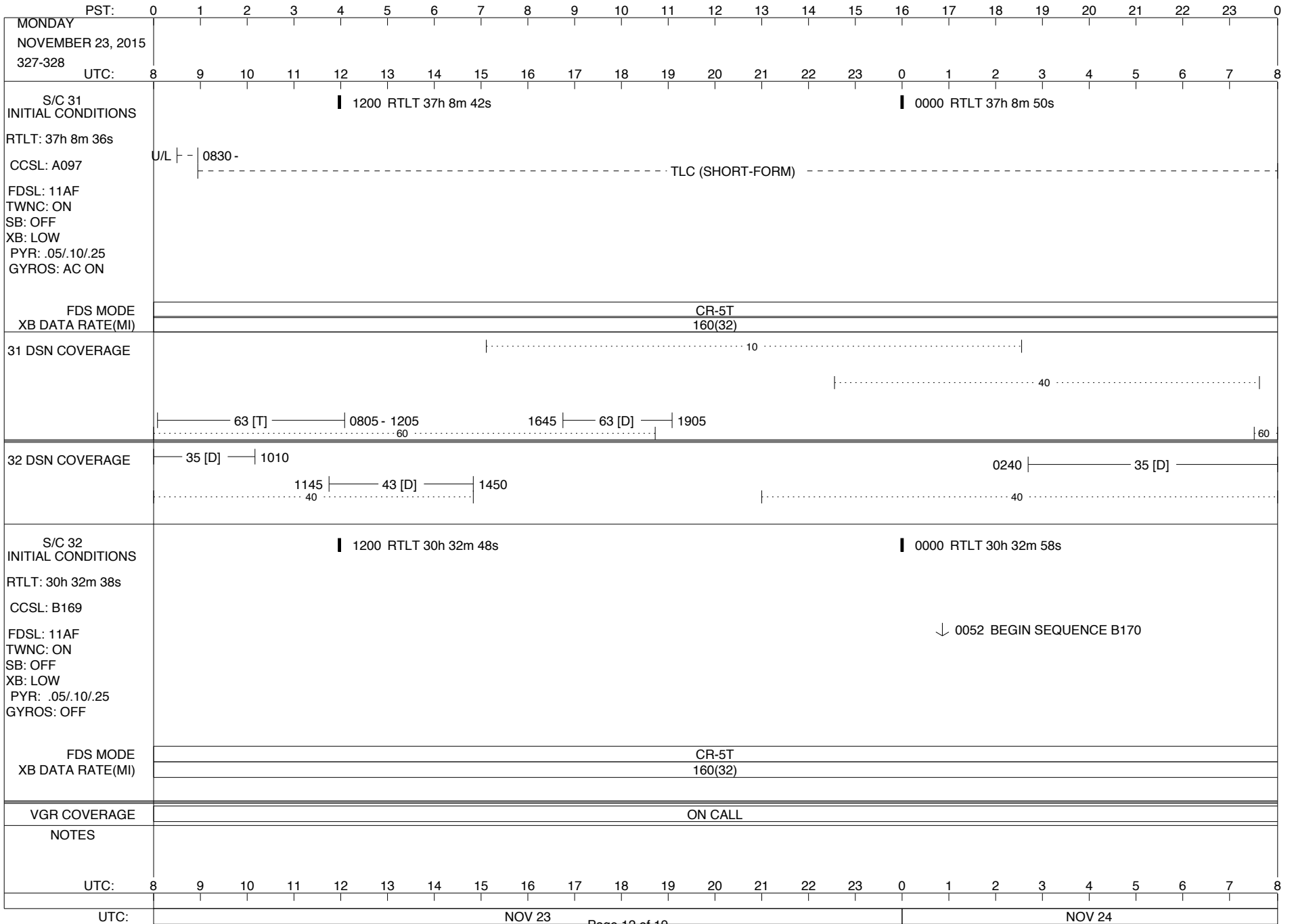




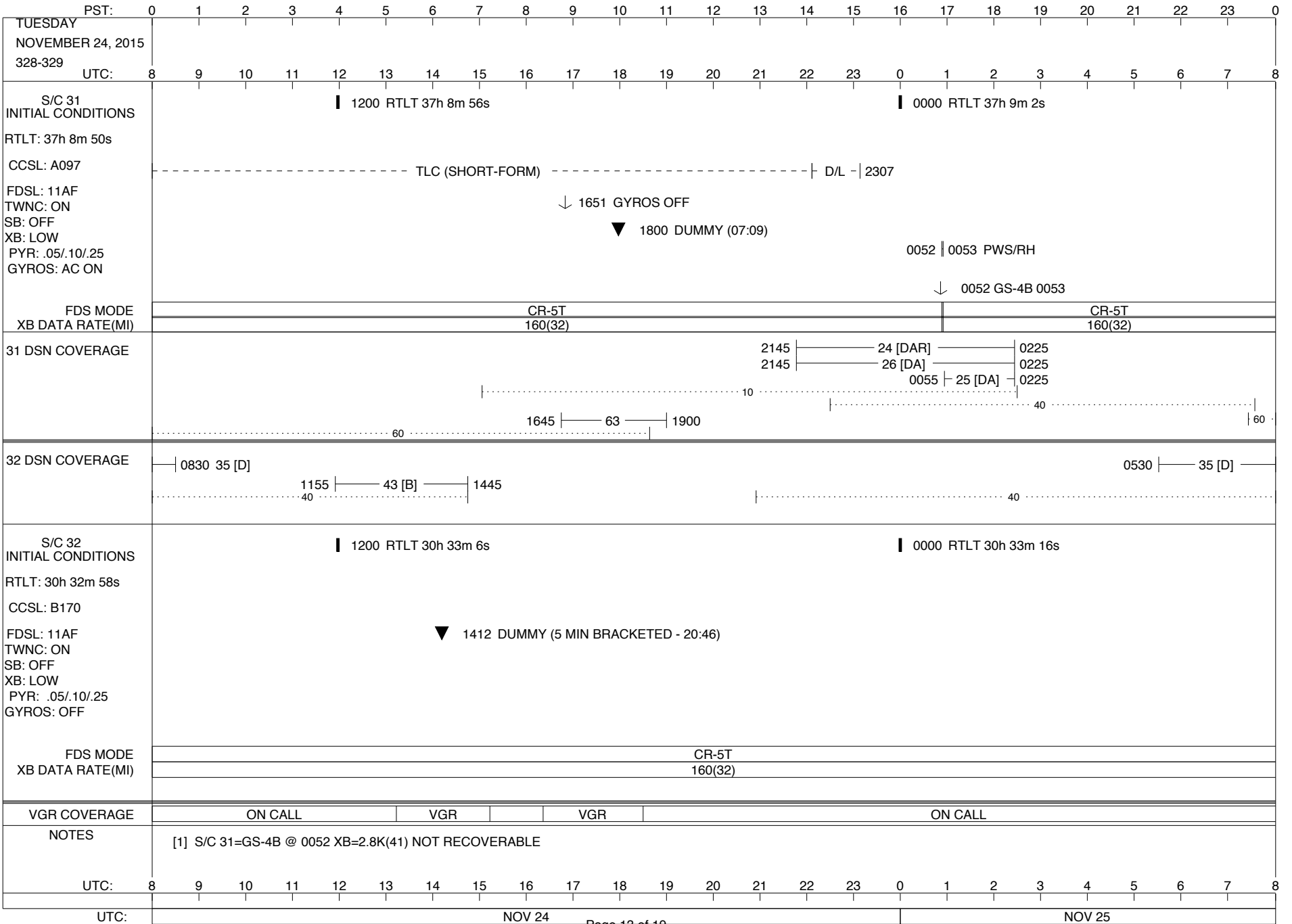
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WEDNESDAY NOVEMBER 25, 2015 329-330																									
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S/C 31 INITIAL CONDITIONS RTLTL: 37h 9m 2s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF					█ 1200																				
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 30h 33m 16s CCSL: B170 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:	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:																									

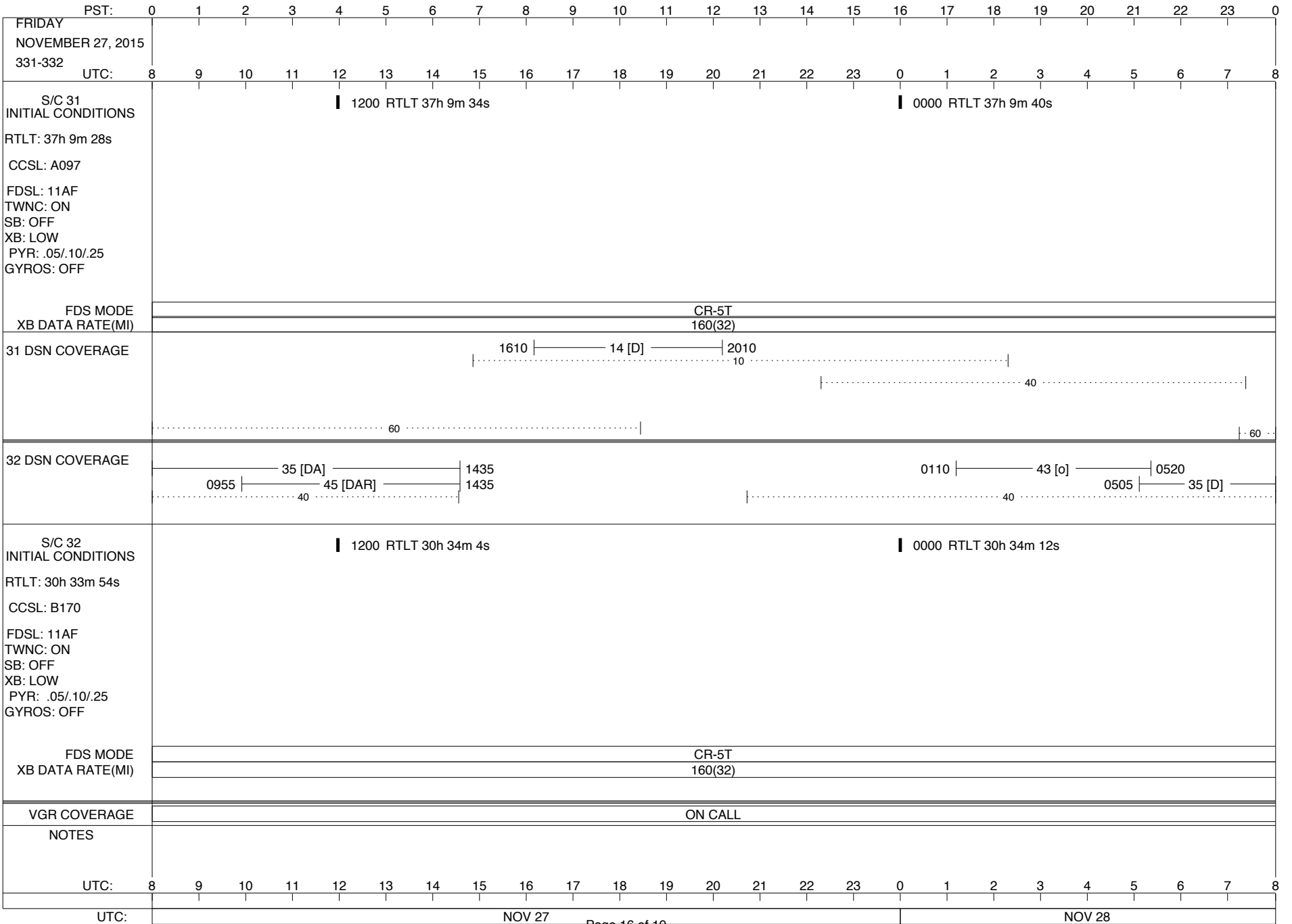
JPL HOLIDAY!

NOV 25

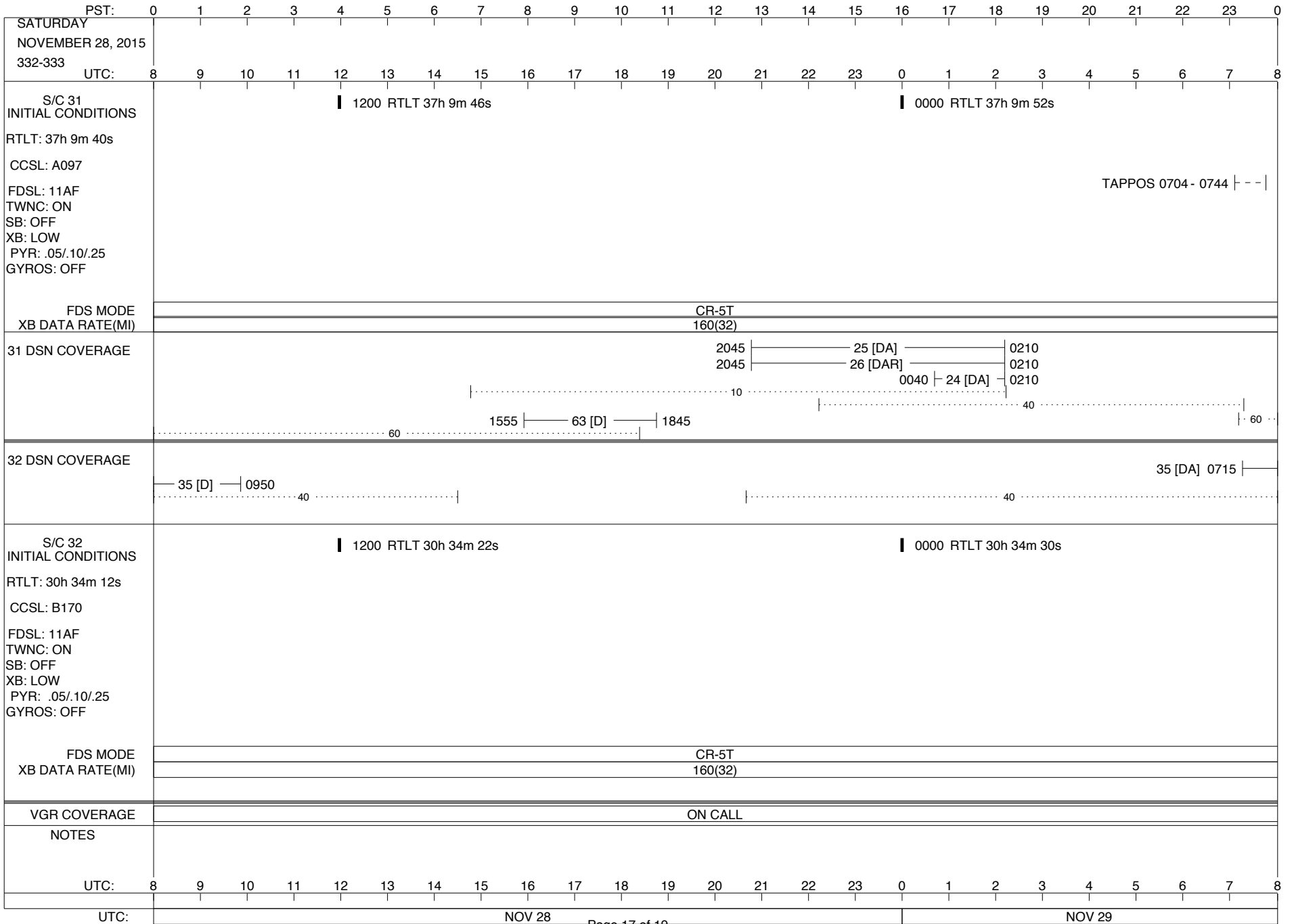
NOV 26

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S/C 31 INITIAL CONDITIONS RTLTL: 37h 9m 16s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 37h 9m 22s												0000 RTLTL 37h 9m 28s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<p>1510 14 [D] 1710 2055 25 [DA] 0220 2055 26 [DAR] 0220 0045 15 [DA] 0220</p> <p>.....60..... 40..... 60.....</p>																								
32 DSN COVERAGE	<p>0955 35 [DA] 1435 0630 35 [DA] 45 [DAR] 1435</p> <p>.....40..... 40.....</p>																								
S/C 32 INITIAL CONDITIONS RTLTL: 30h 33m 36s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 33m 44s												0000 RTLTL 30h 33m 54s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0705 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:	NOV 26												NOV 27												

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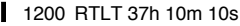
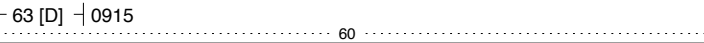
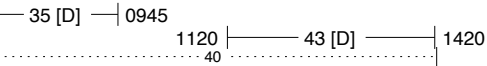
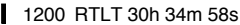
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SUNDAY NOVEMBER 29, 2015 333-334																										
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S/C 31 INITIAL CONDITIONS	1200 RTLT 37h 9m 58s												0000 RTLT 37h 10m 4s													
RTLTL: 37h 9m 52s																										
CCSL: A097																										
FDSL: 11AF	1006 1007 PWS/RH																									
TWNC: ON	1017 - 1044 TAPPOS																									
SB: OFF																										
XB: LOW																										
PYR: .05/.10/.25																										
GYROS: OFF																										
	↓ 1005 GS-4B 1007																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	<p>Timeline for 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> 2135 - 25 [DAR] - 0200 2135 - 26 [DAR] - 0200 0025 - 15 [DAR] - 0200 60 (dotted line) 10 (dotted line) 40 (dotted line) 63 [D] 0715 (dotted line) 60 .. (dotted line) 																									
32 DSN COVERAGE	<p>Timeline for 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> 0945 - 35 [DAR] - 1425 45 [DAR] - 1425 0410 - 35 [D] - 40 (dotted line) 40 (dotted line) 																									
S/C 32 INITIAL CONDITIONS	1200 RTLT 30h 34m 40s												0000 RTLT 30h 34m 48s													
RTLTL: 30h 34m 30s																										
CCSL: B170																										
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	[1] S/C 31=GS-4B @ 1005 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: 11/11/15 12:43

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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: 37h 10m 4s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;">  <p>1200 RTLT 37h 10m 10s</p> </div>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<div style="text-align: center;">  <p>63 [D] - 0915</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;">  <p>35 [D] - 0945 1120 - 43 [D] - 1420</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 30h 34m 48s CCSL: B170 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;">  <p>1200 RTLT 30h 34m 58s</p> </div>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														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:	NOV 30													DEC 01													