

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: October 28, 2015

For the Period: 10/29/15 to 11/16/15 (15-302 – 15-320)

**DSN OPSCHIEF (1) 230-102**

**DSOT (1) 230-102**

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 \* Belinda.Arroyo@jpl.nasa.gov  
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**SCIENCE**

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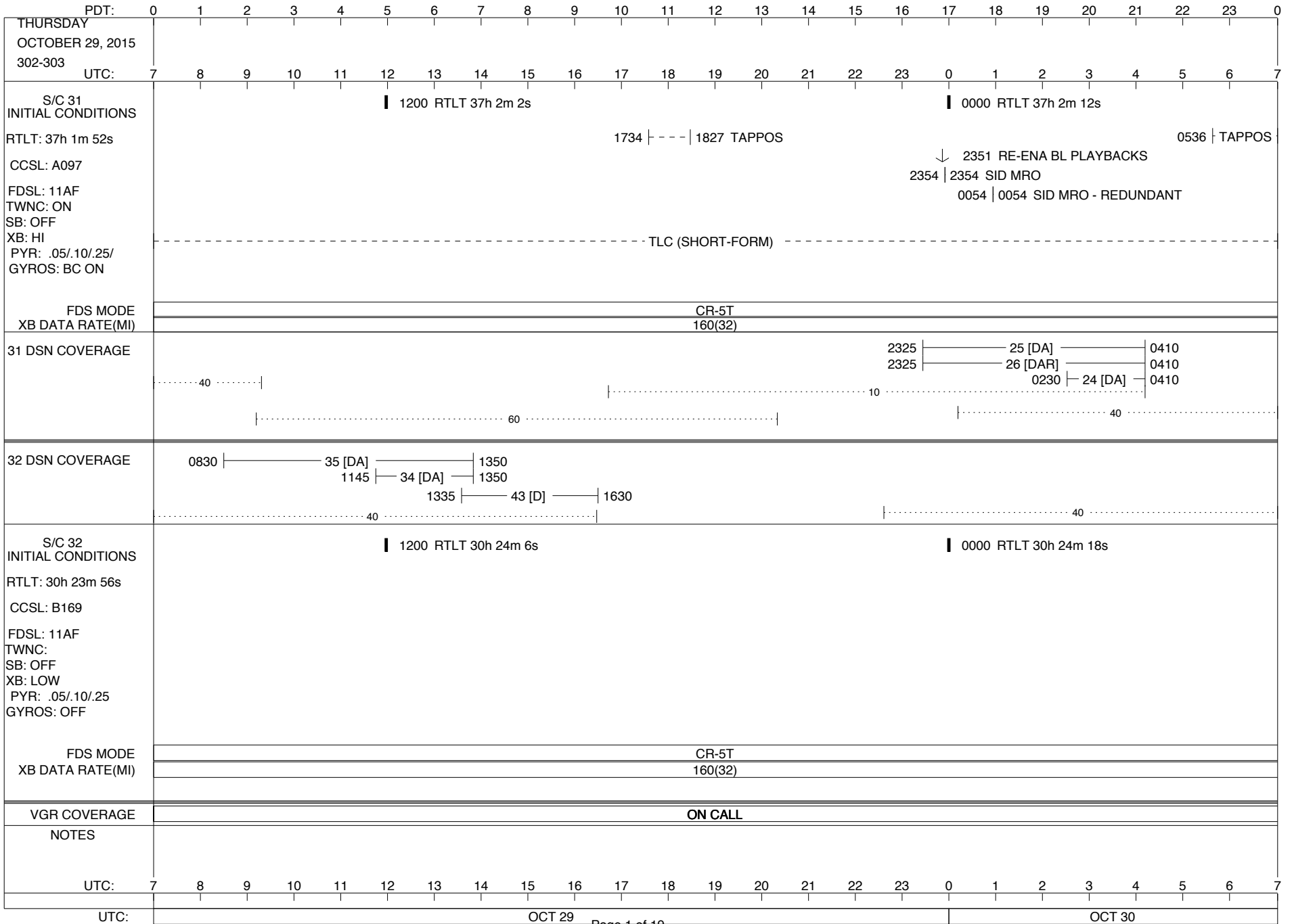
**FLIGHT TEAM (14) 600-100**

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

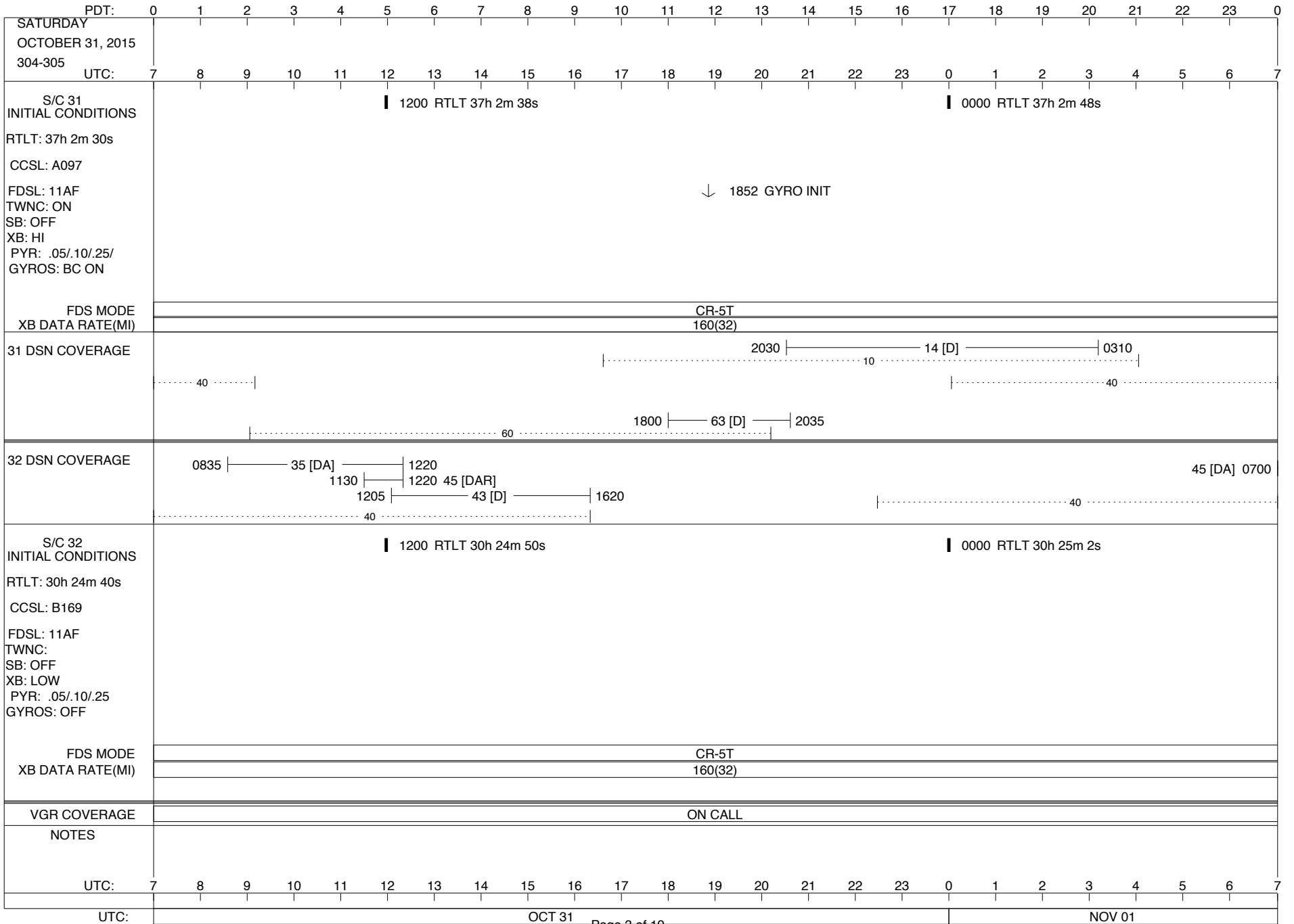
\*Electronic Copy Only  
 (16 – Dist/N: Paper Copies)  
 09/08/10

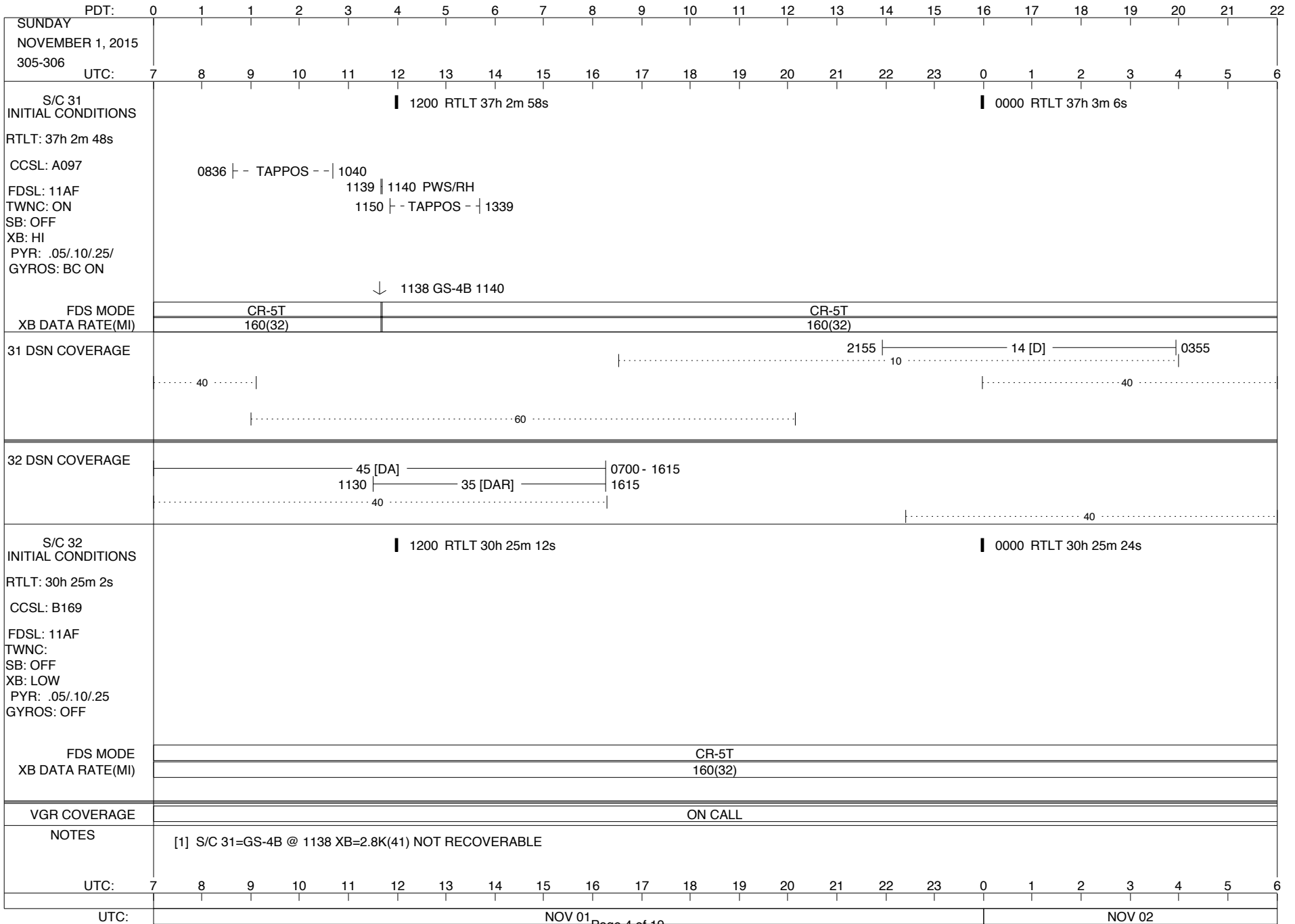
ISSUE DATE: 10/28/15 13:43

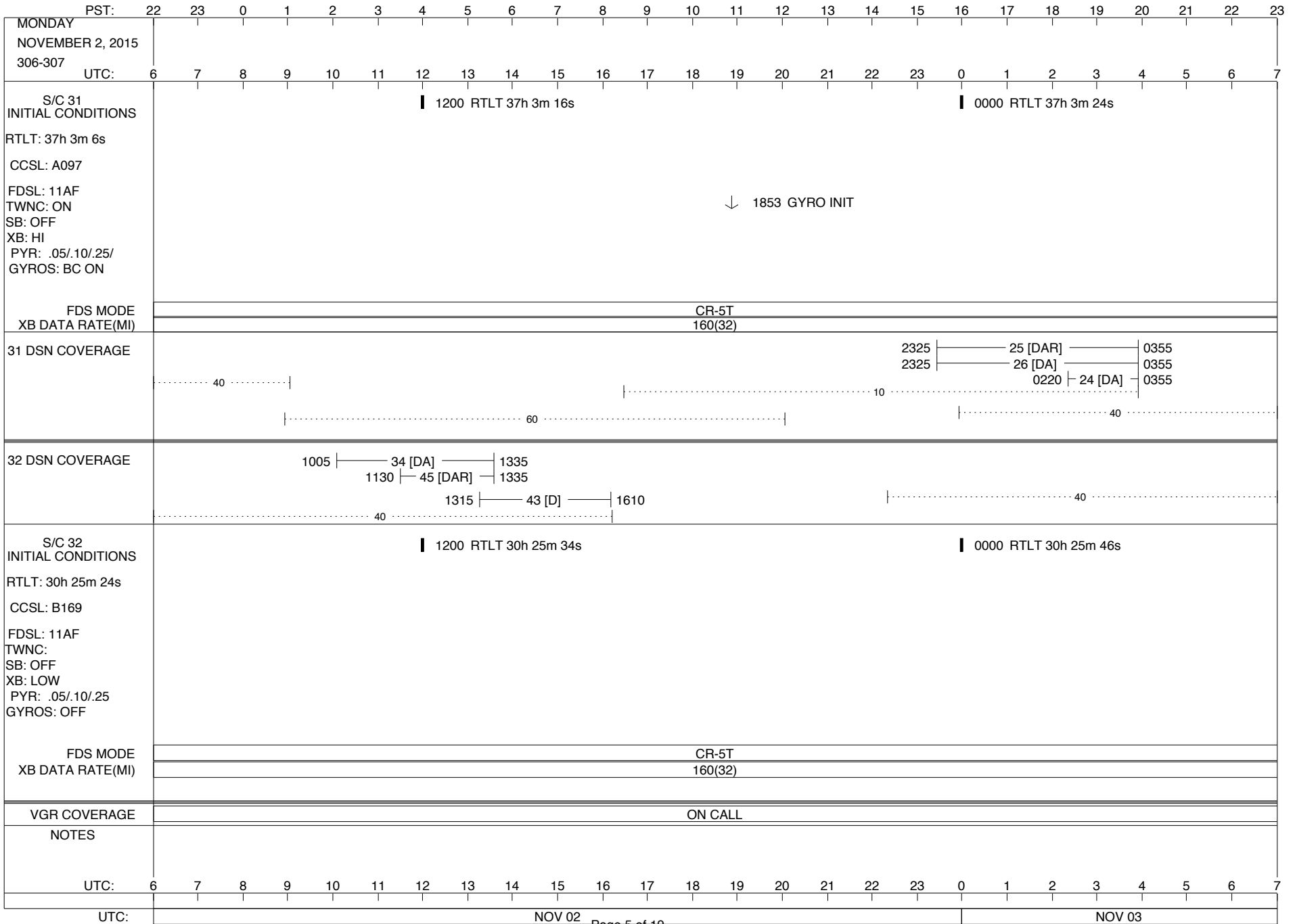


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FRIDAY OCTOBER 30, 2015 303-304																												
S/C 31 INITIAL CONDITIONS	1200 RTLT 37h 2m 20s														0000 RTLT 37h 2m 30s													
RTLT: 37h 2m 12s	0753 TAPPOS														1649 AAI													
CCSL: A097	0838   0839 PWS/RH														1654   -- LECP OBS --   1940													
FDSL: 11AF	0850   - TAPPOS - -   1053														1820 GYRO INIT													
TWNC: ON															1829 GYRO FAULT TEST													
SB: OFF															1919   1926 CCSTIMB FINE													
XB: HI	TLC (SHORT-FORM)														1945 RAI													
PYR: .05/.10/.25/	D/L -   0815														2001 GYRO FAULT TEST													
GYROS: BC ON	0838 GS-4B 0839																											
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	40														2030   14 [D]   0225													
	60														1630   63 [D]   2035													
32 DSN COVERAGE	0825   45 [DA]   1330														1140   34 [DAR]   1330													
	40														1330   43 [D]   1625													
S/C 32 INITIAL CONDITIONS	1200 RTLT 30h 24m 28s														0000 RTLT 30h 24m 40s													
RTLT: 30h 24m 18s																												
CCSL: B169																												
FDSL: 11AF																												
TWNC:																												
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=GS-4B @ 0838 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:	OCT 30																					OCT 31						

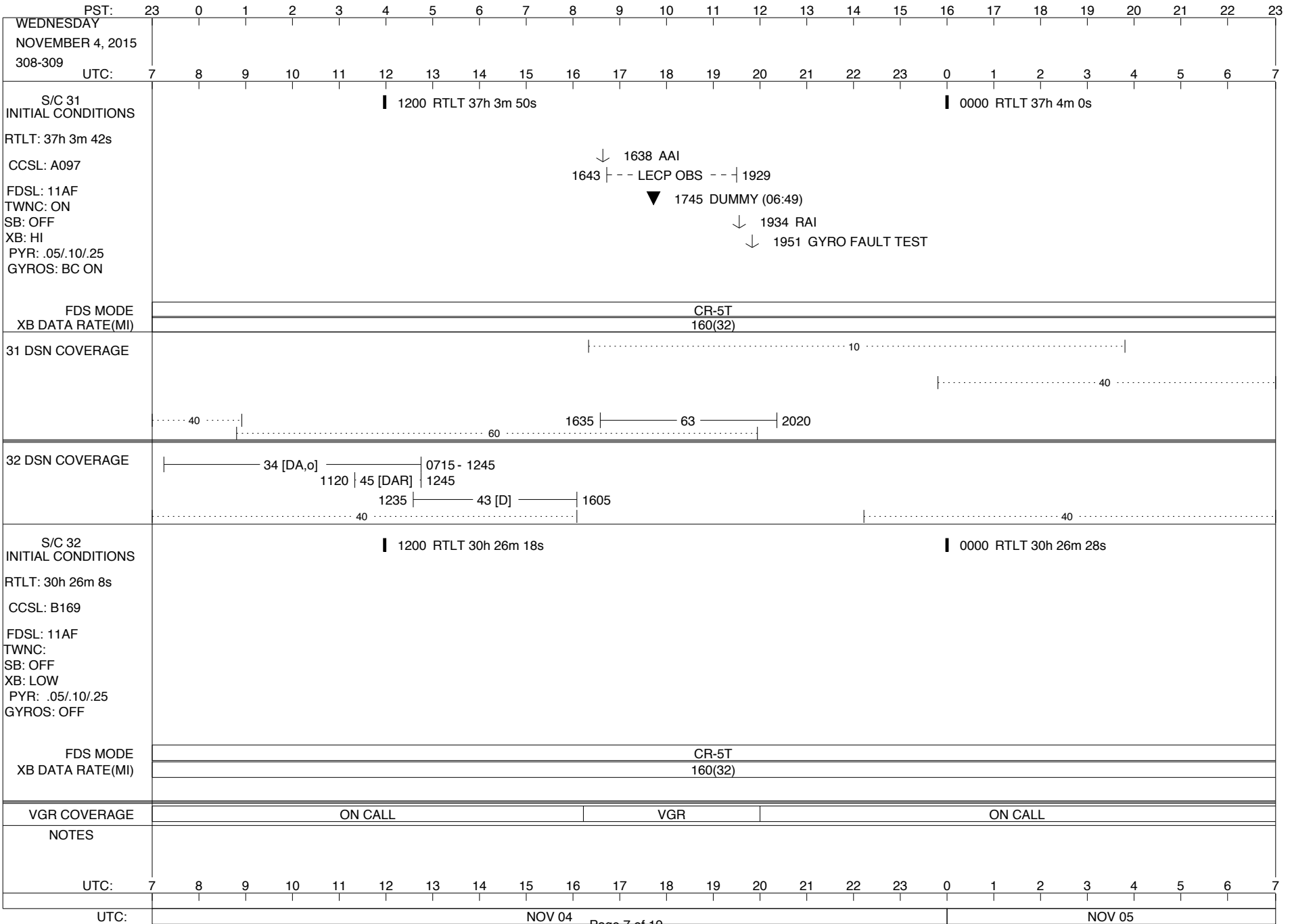






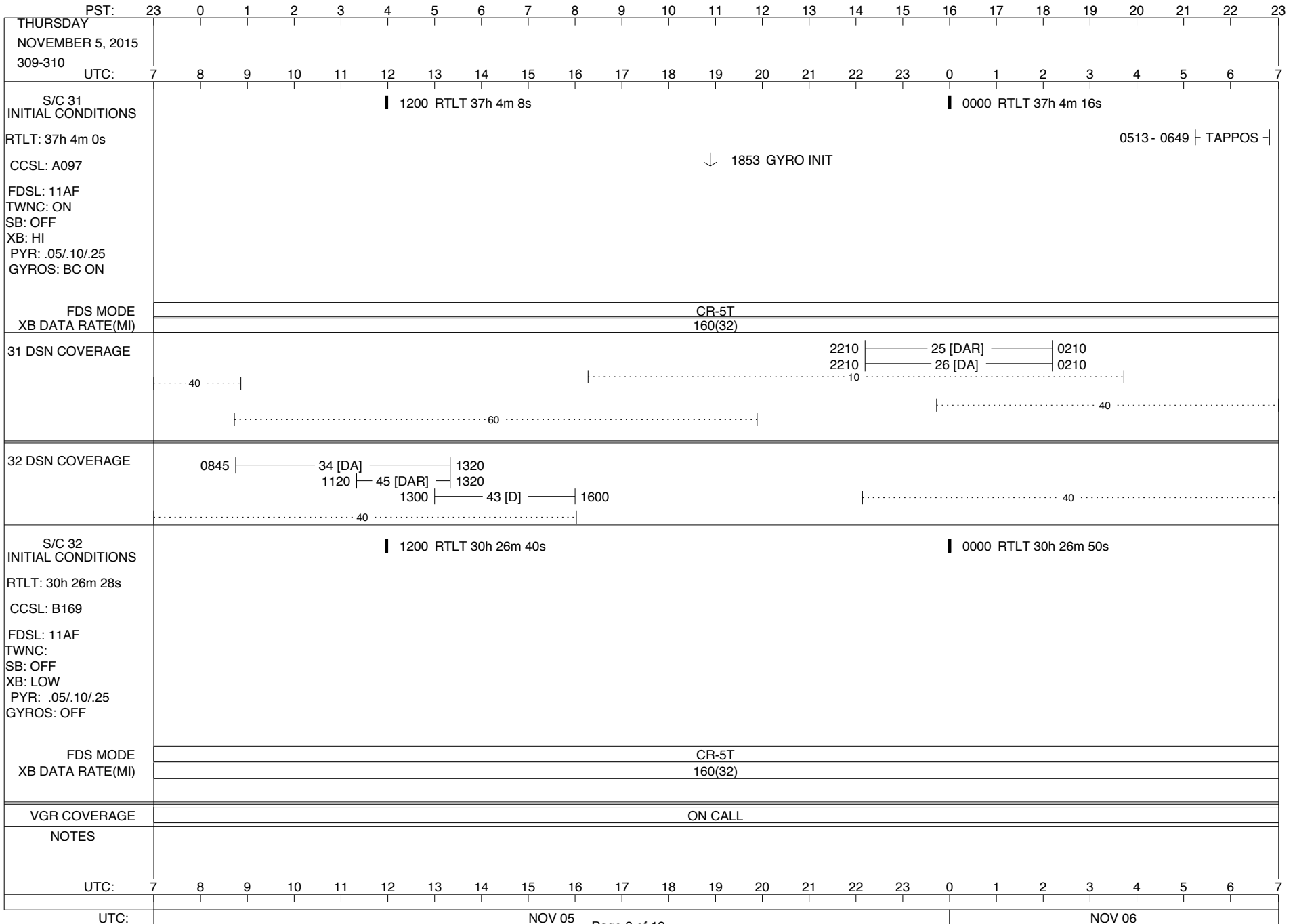


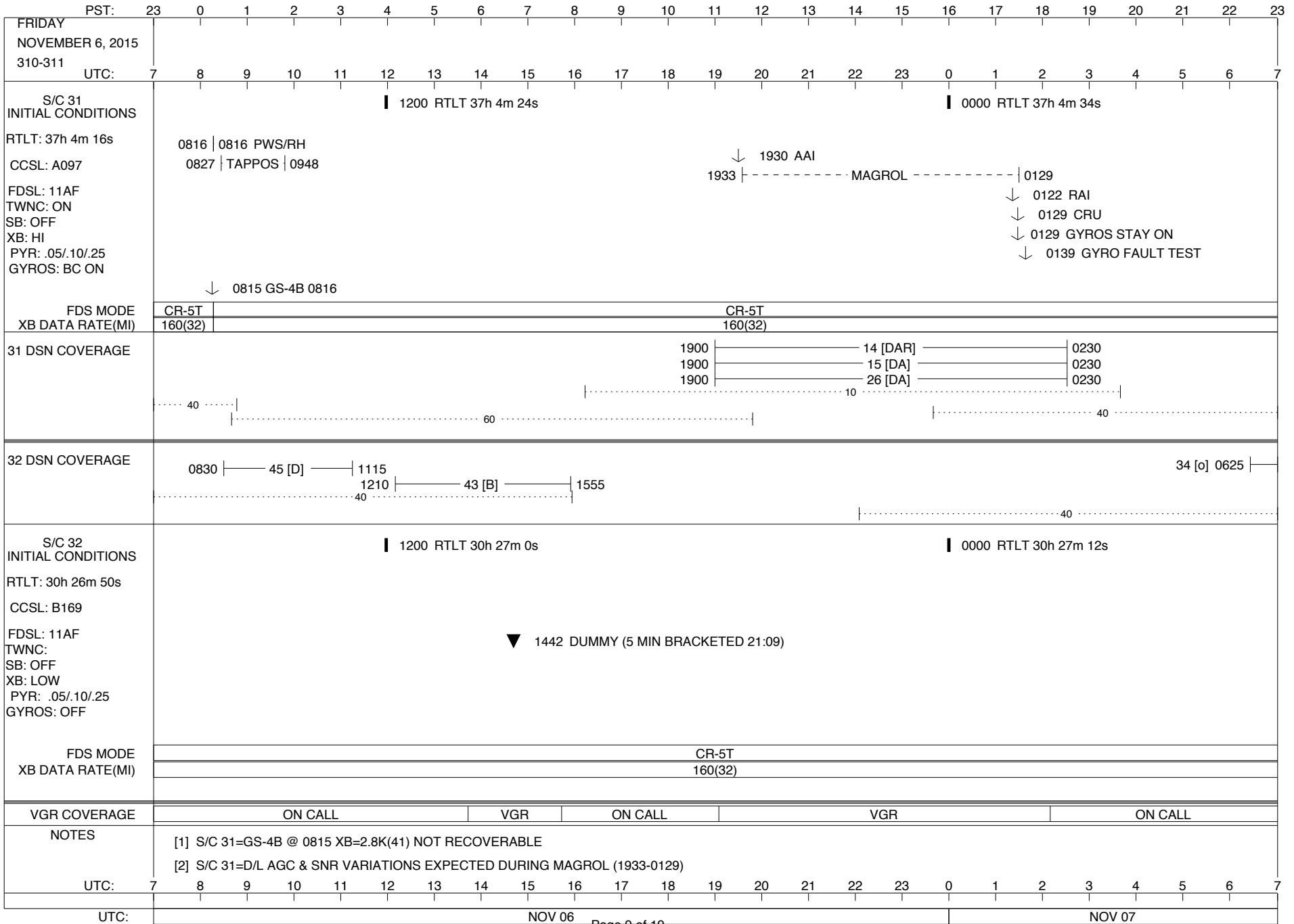
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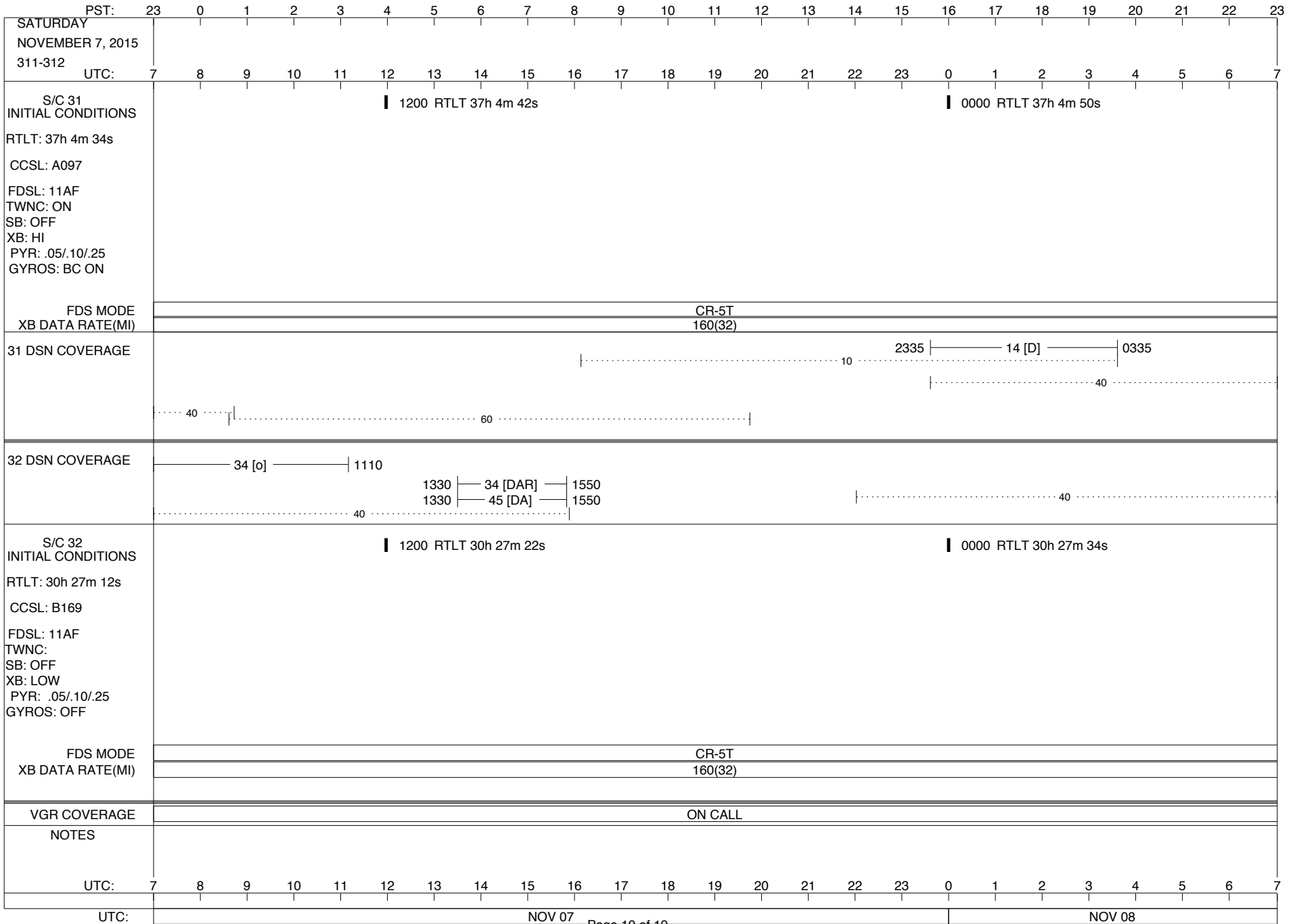


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ISSUE DATE: 10/28/15 13:43



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
SUNDAY NOVEMBER 8, 2015 312-313	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: 37h 4m 50s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLTL 37h 4m 58s												0000 RTLTL 37h 5m 6s												
	0813   TAPPOS   0935												1115   1117 PWS/RH												
													↓ 1853 GYRO INIT												
													↓ 1115 GS-4B 1117												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	.....40.....												1915  -----25 [DAR]----- 0200 1915  -----26 [DA]----- 0200  -----10-----												
	-----60-----												-----40-----												
32 DSN COVERAGE	-----45 [D]----- 0710 - 1110												34 [o] 0635												
	-----40----- 1240  -----43 [D]----- 1550												-----40-----												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 27m 34s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 30h 27m 44s												0000 RTLTL 30h 27m 54s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1115 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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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 9, 2015  
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  
RTLT: 37h 5m 6s  
CCSL: A097  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: HI  
PYR: .05/10/25  
GYROS: BC ON

1200 RTLT 37h 5m 16s  
0904 AAI  
0909 | - LECP OBS - | 1129  
1134 RAI  
1141 GYROS OFF  
1150 GYRO FAULT TEST  
U/L 1200 | - | - - - - - TLC (SHORT-FORM) - - - - -

0000 RTLT 37h 5m 24s

FDS MODE  
XB DATA RATE(MI) CR-5T 160(32)

31 DSN COVERAGE

0845 | 63 [T] | 1230  
40 ..... | ..... 10 ..... | ..... 40 .....

2325 | 24 [DA] | 0325  
2325 | 26 [DAR] | 0325  
0140 | 25 [DA] | 0325

32 DSN COVERAGE

34 [o] | 1105 1320 | 34 [DAR] | 1545  
1320 | 45 [DA] | 1545  
40 ..... | ..... 40 .....

S/C 32  
INITIAL CONDITIONS  
RTLT: 30h 27m 54s  
CCSL: B169  
FDSL: 11AF  
TWNC:  
SB: OFF  
XB: LOW  
PYR: .05/10/25  
GYROS: OFF

1200 RTLT 30h 28m 4s  
0000 RTLT 30h 28m 16s

FDS MODE  
XB DATA RATE(MI) CR-5T 160(32)

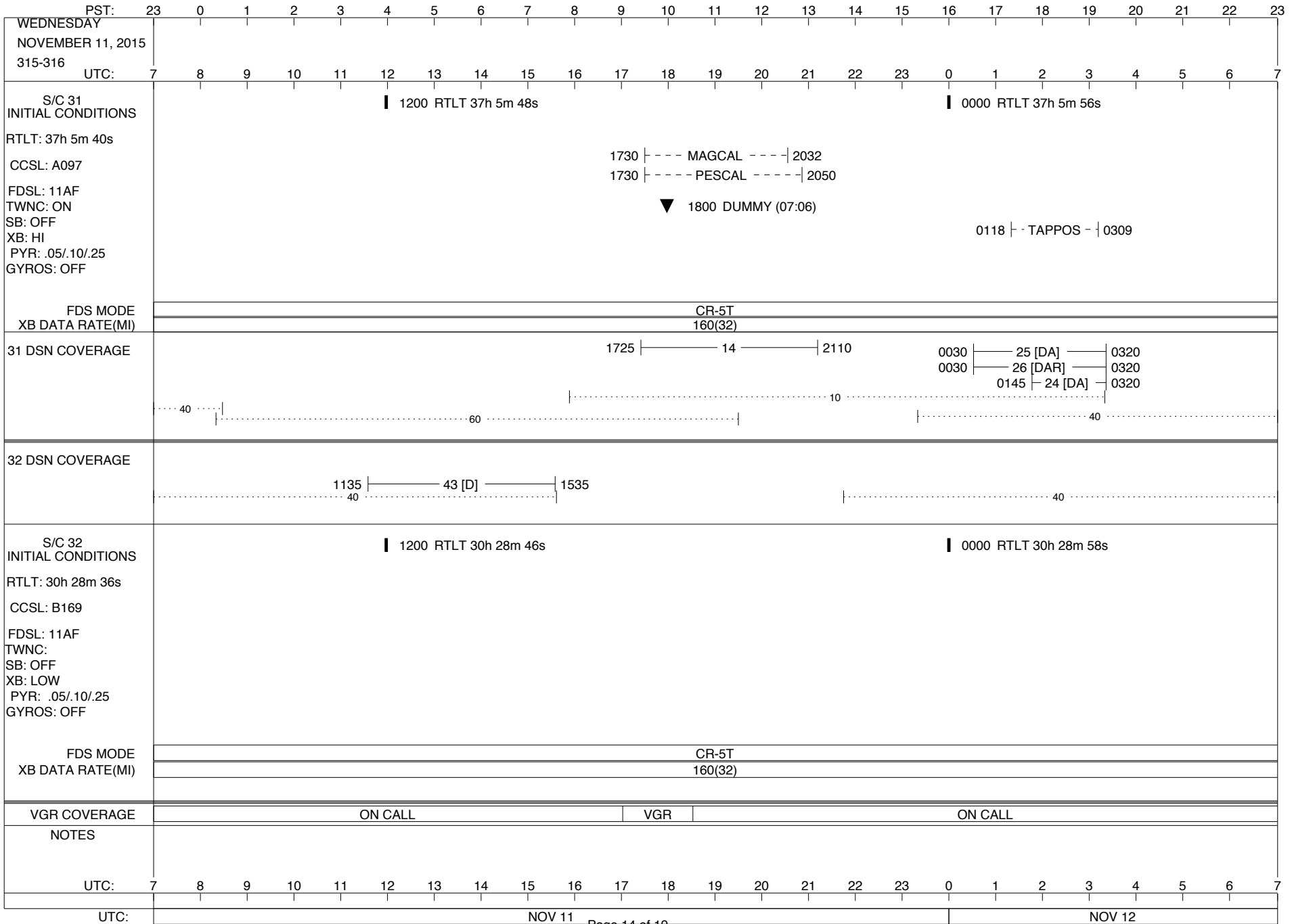
VGR COVERAGE ON CALL VGR ON CALL

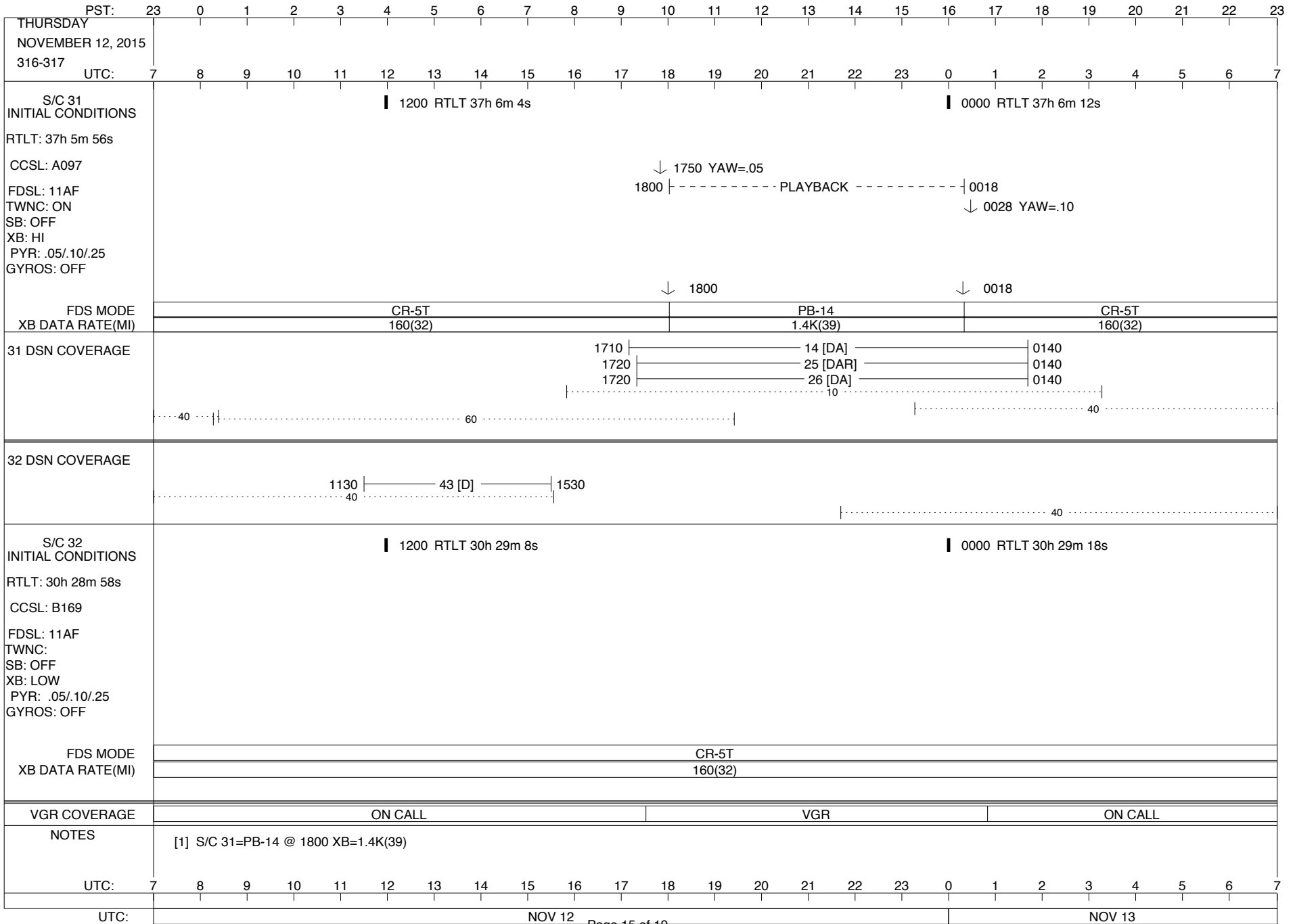
NOTES

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 09 Page 12 of 19 NOV 10

TUESDAY		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
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		
NOVEMBER 10, 2015																											
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		1200 RTLT 37h 5m 32s												0000 RTLT 37h 5m 40s													
RTLTL: 37h 5m 24s																											
CCSL: A097																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: HI																											
PYR: .05/10/25																											
GYROS: OFF																											
FDS MODE		CR-5T												CR-5T													
XB DATA RATE(MI)		160(32)												160(32)													
31 DSN COVERAGE		<p style="text-align: right;">0139   0139 PWS/RH</p> <p style="text-align: right;">↓ 0139 GS-4B 0139</p> <p style="text-align: right;">0015   25 [DAR]   0320</p> <p style="text-align: right;">0015   26 [DA]   0320</p> <p style="text-align: right;">0150   24 [DA]   0320</p> <p style="text-align: center;">----- TLC (SHORT-FORM) ----- D/L - 0233</p>																									
32 DSN COVERAGE		<p style="text-align: center;">1140   43 [D]   1540</p>																									
S/C 32 INITIAL CONDITIONS		1200 RTLT 30h 28m 26s												0000 RTLT 30h 28m 36s													
RTLTL: 30h 28m 16s																											
CCSL: B169																											
FDSL: 11AF																											
TWNC:																											
SB: OFF																											
XB: LOW																											
PYR: .05/10/25																											
GYROS: OFF																											
FDS MODE		CR-5T												CR-5T													
XB DATA RATE(MI)		160(32)												160(32)													
VGR COVERAGE		ON CALL																									
NOTES		[1] S/C 31=GS-4B @ 0139 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 10												NOV 11													







ISSUE DATE: 10/28/15 13:43

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 13, 2015  
317-318  
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: 37h 6m 12s  
CCSL: A097  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: HI  
PYR: .05/10/25  
GYROS: OFF  
1200 RTLT 37h 6m 20s  
0000 RTLT 37h 6m 26s  
2257 | - - - | 2347 TAPPOS

FDS MODE  
XB DATA RATE(MI)  
CR-5T  
160(32)

31 DSN COVERAGE  
2245 | 25 [DAR] | 0310  
2245 | 26 [DA] | 0310  
0140 | 15 [DA] | 0310  
40 ..... 60 ..... 10 ..... 40

32 DSN COVERAGE  
1045 | 34 [D] | 1305  
1245 | 43 [D] | 1530  
40 ..... 40

S/C 32  
INITIAL CONDITIONS  
RTLT: 30h 29m 18s  
CCSL: B169  
FDSL: 11AF  
TWNC:  
SB: OFF  
XB: LOW  
PYR: .05/10/25  
GYROS: OFF  
1200 RTLT 30h 29m 28s  
0000 RTLT 30h 29m 38s

FDS MODE  
XB DATA RATE(MI)  
CR-5T  
160(32)

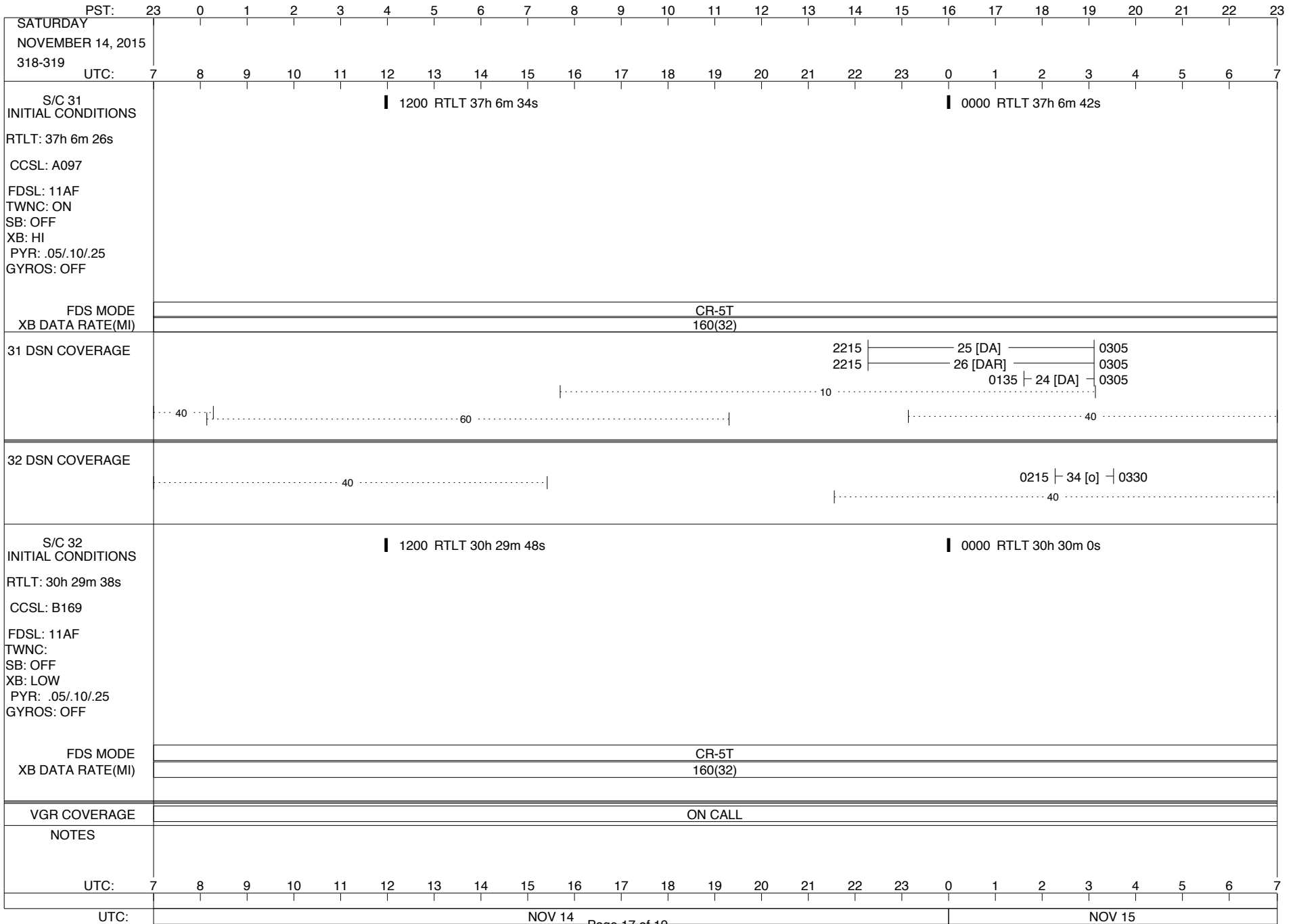
VGR COVERAGE  
ON CALL

NOTES

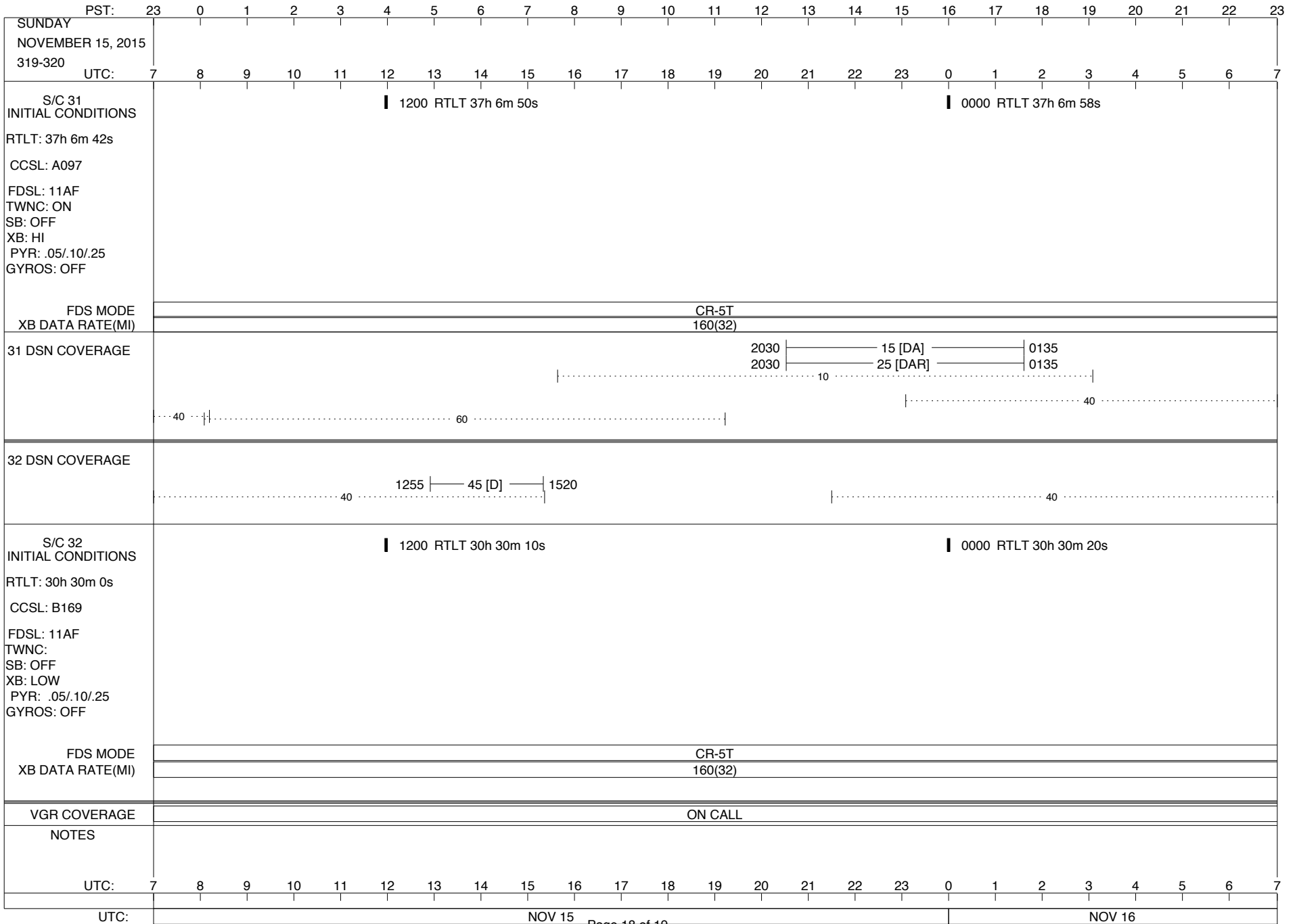
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UTC: NOV 13 Page 16 of 19 NOV 14

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ISSUE DATE: 10/28/15 13:43



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 16, 2015 320-321																										
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: 37h 6m 58s CCSL: A097 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF		<p style="text-align: center;">█ 1200 RTLT 37h 7m 4s</p> <p style="text-align: right;">↓ 2303 X/B LOW POWER ↓ 2307 BAY 1 HTR ON ↓ 2315 GYRO INIT ↓ 2325 GYRO FAULT TEST</p>																								
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																								
31 DSN COVERAGE		<p style="text-align: center;">... 40 ...   0800  —— 63 ——  0930 ..... 60 .....</p>																								
32 DSN COVERAGE		<p style="text-align: center;">..... 40 .....   1255  —— 34 [D] ——  1515</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 30h 30m 20s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		<p style="text-align: center;">█ 1200 RTLT 30h 30m 30s</p>																								
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 16															NOV 17									