

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 29, 2014

For the Period: 10/30/14 to 11/17/14 (14-303 – 14-321)

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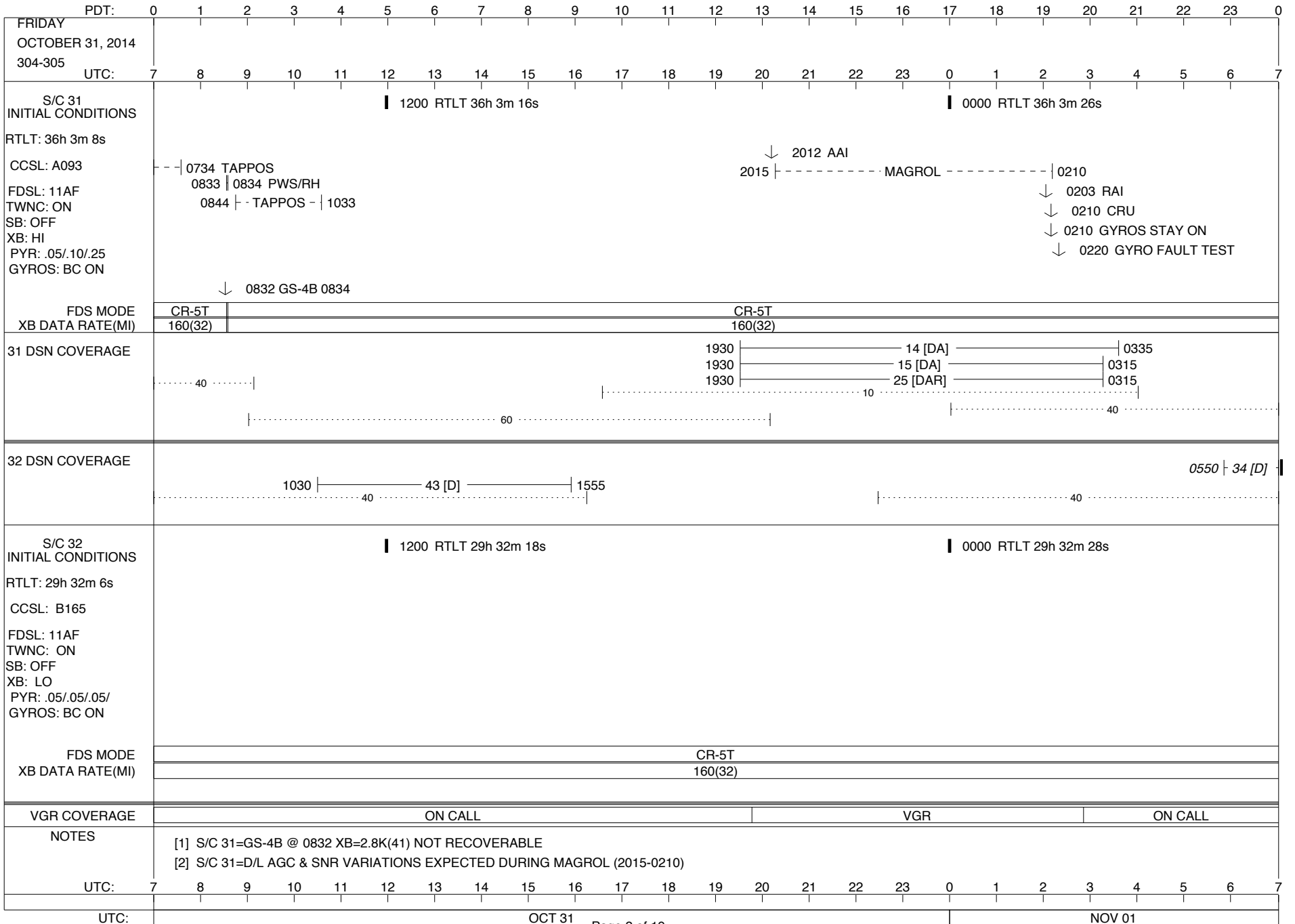
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U =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

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

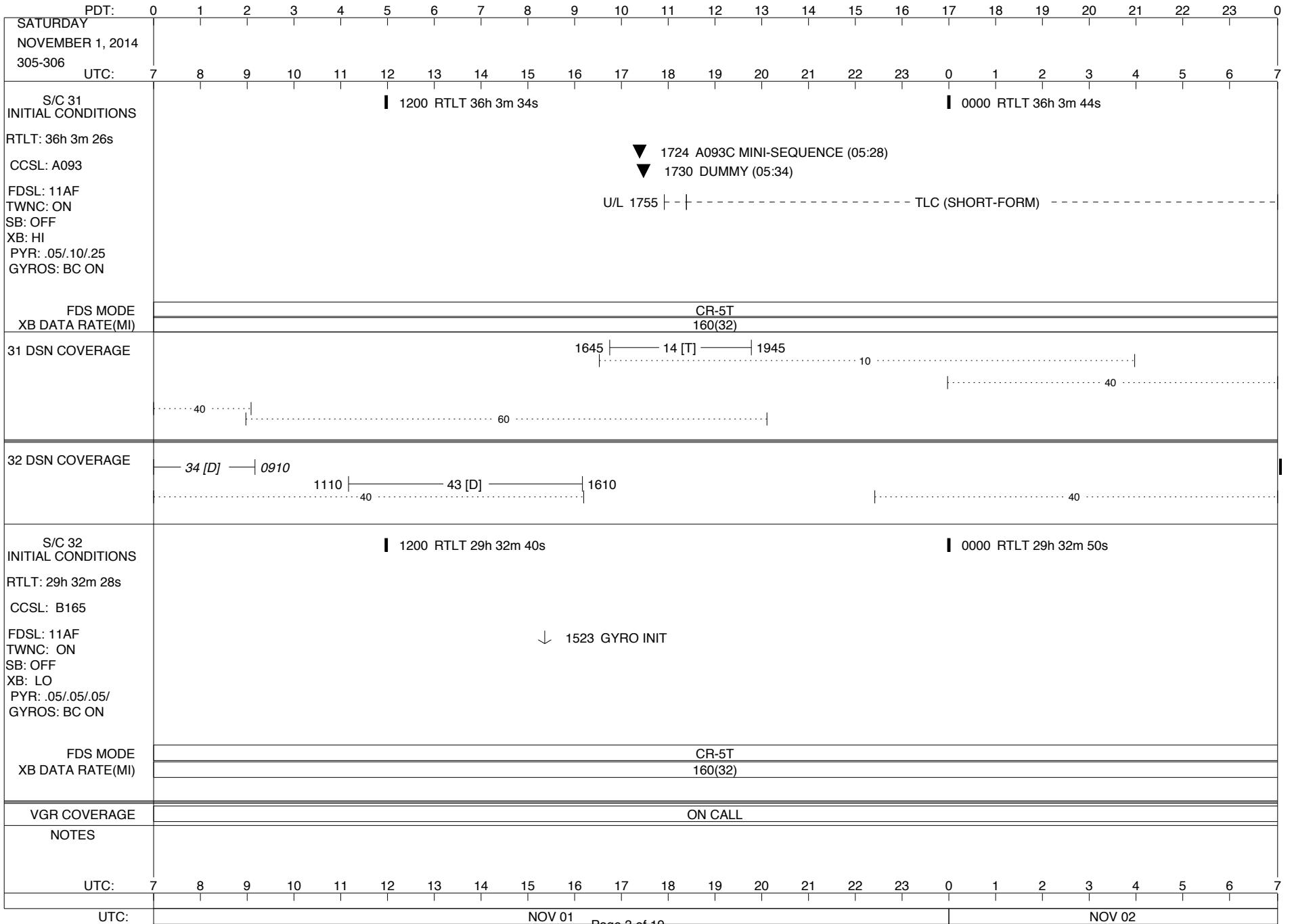
ISSUE DATE: 11/03/14 07:02

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THURSDAY OCTOBER 30, 2014 303-304																									
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: 36h 2m 48s CCSL: A093 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON						█ 1200 RTLT 36h 2m 58s												█ 0000 RTLT 36h 3m 8s							
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE												
40.....											0430 - 0630 --- 35 [D] ---												
60.....												
32 DSN COVERAGE												
1035 --- 40 --- 43 [B] --- 1615																							
40.....											40.....												
S/C 32 INITIAL CONDITIONS RTLT: 29h 31m 44s CCSL: B165 FDSL: 11AF TWNC: ON SB: OFF XB: LO PYR: .05/.05/.05/ GYROS: BC ON						█ 1200 RTLT 29h 31m 56s												█ 0000 RTLT 29h 32m 6s							
													▼ 1417 DUMMY (5 MIN BRACKETED 19:49)												
													↓ 1523 GYRO INIT												
FDS MODE													CR-5T												
XB DATA RATE(MI)													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:	OCT 30												OCT 31												

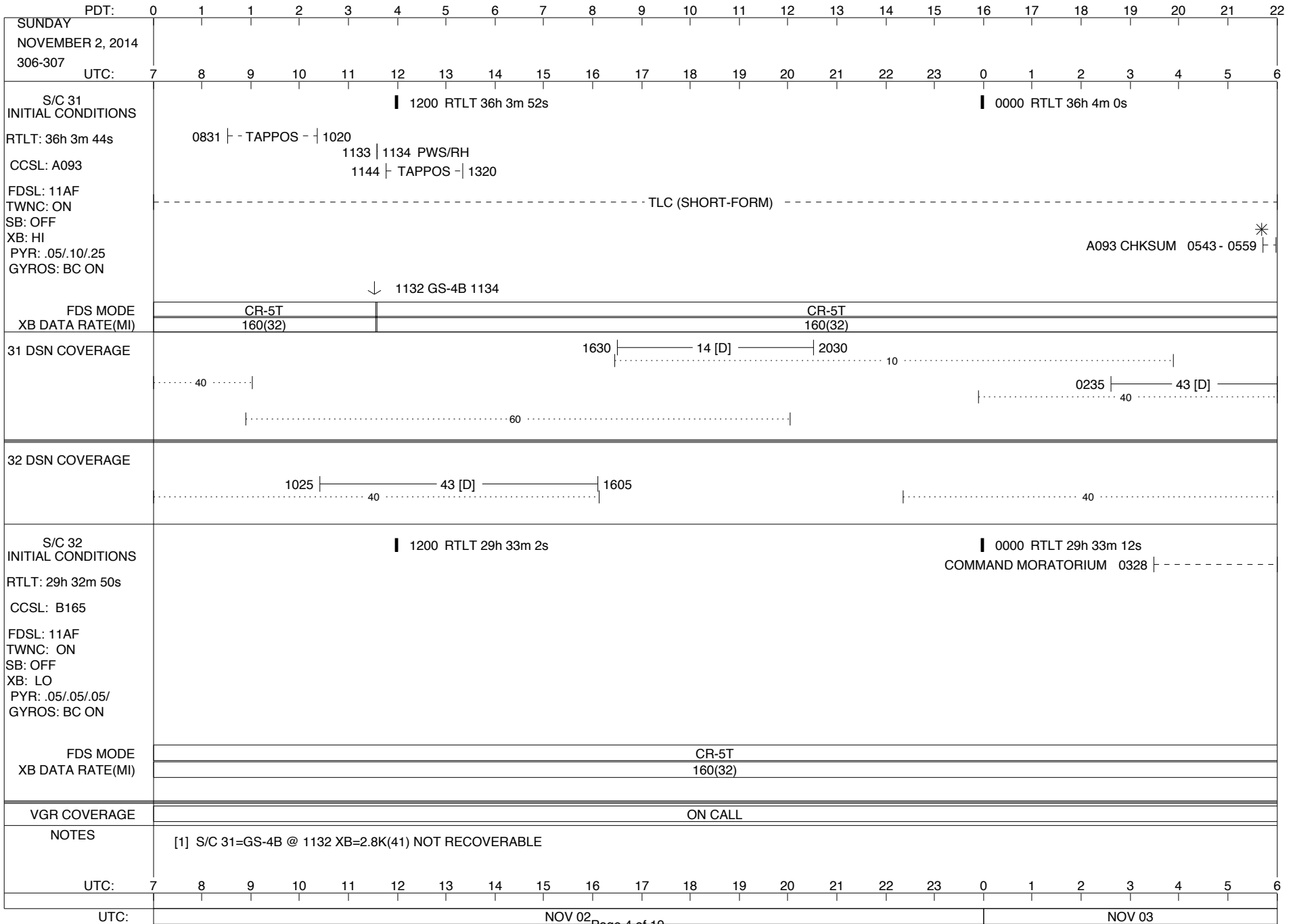
ISSUE DATE: 11/03/14 07:02



ISSUE DATE: 11/03/14 07:02



ISSUE DATE: 11/03/14 07:02



ISSUE DATE: 11/03/14 07:02

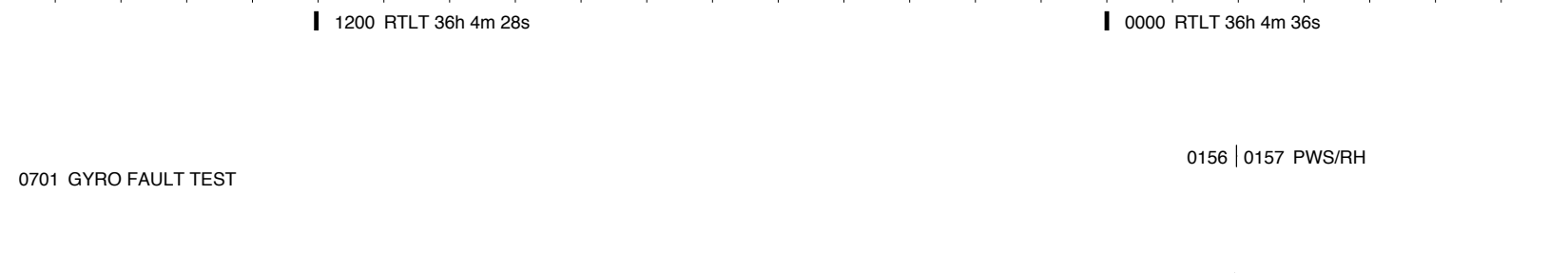
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MONDAY NOVEMBER 3, 2014 307-308																												
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S/C 31 INITIAL CONDITIONS	1200 RTLT 36h 4m 10s														0000 RTLT 36h 4m 18s													
RTLT: 36h 4m 0s																												
CCSL: A093																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: HI																												
PYR: .05/.10/.25																												
GYROS: BC ON																												
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE	<p>0635 43 [D] 40 0310 40 43 [D] 40</p> <p>60</p>																											
32 DSN COVERAGE	<p>1130 40 43 [D] 1600 40</p>																											
S/C 32 INITIAL CONDITIONS	1200 RTLT 29h 33m 24s														0000 RTLT 29h 33m 34s													
RTLT: 29h 33m 12s	----- COMMAND MORATORIUM -----																											
CCSL: B165																												
FDSL: 11AF																												
TWNC: ON																												
SB: OFF																												
XB: LO																												
PYR: .05/.05/.05/																												
GYROS: BC ON																												
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL																				VGR							
NOTES																												
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 03														NOV 04													

ISSUE DATE: 11/03/14 07:02

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 4, 2014
308-309
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

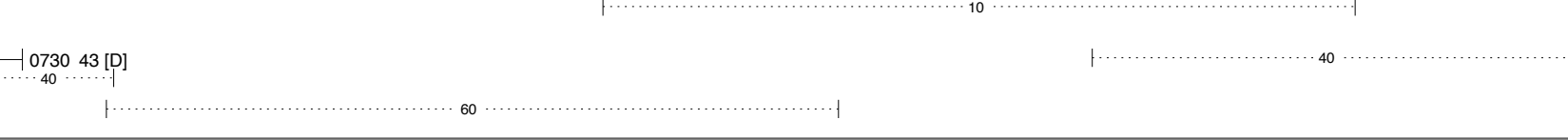
S/C 31
INITIAL CONDITIONS
RTLTL: 36h 4m 18s
CCSL: A093
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON



FDS MODE
XB DATA RATE(MI)

	CR-5T	CR-5T
	160(32)	160(32)

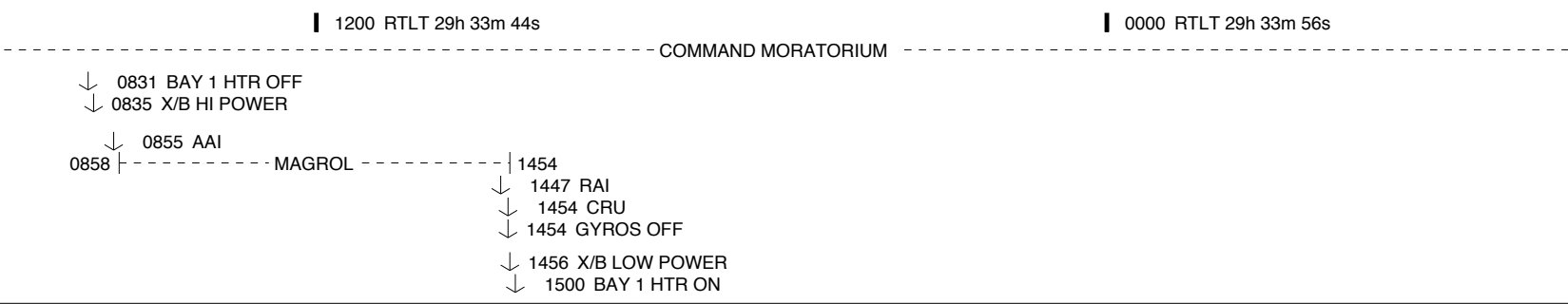
31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 29h 33m 34s
CCSL: B165
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LO
PYR: .05/.05/.05/
GYROS: BC ON



FDS MODE
XB DATA RATE(MI)

	CR-5T	
	160(32)	

VGR COVERAGE

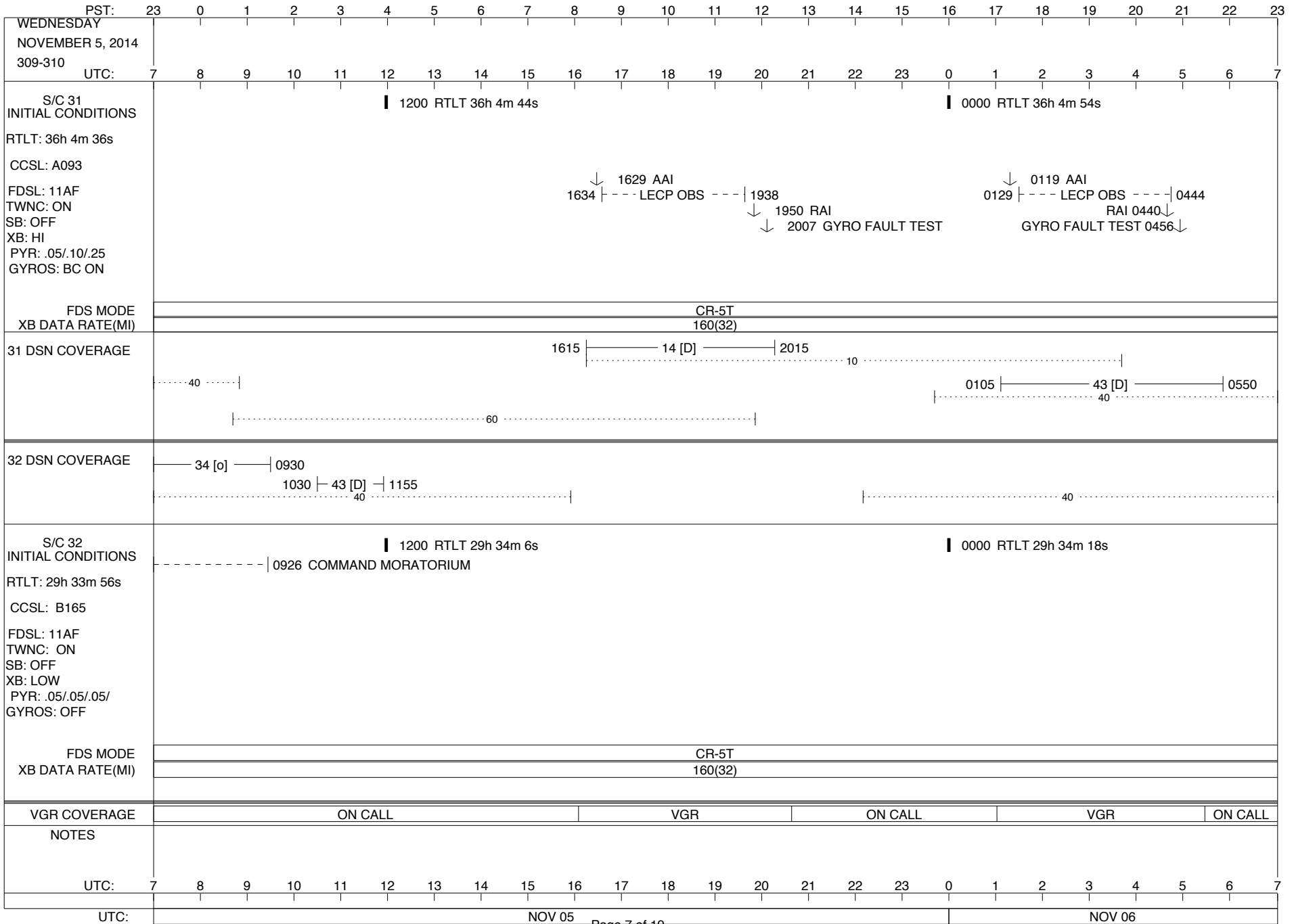
	VGR	ON CALL
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NOTES

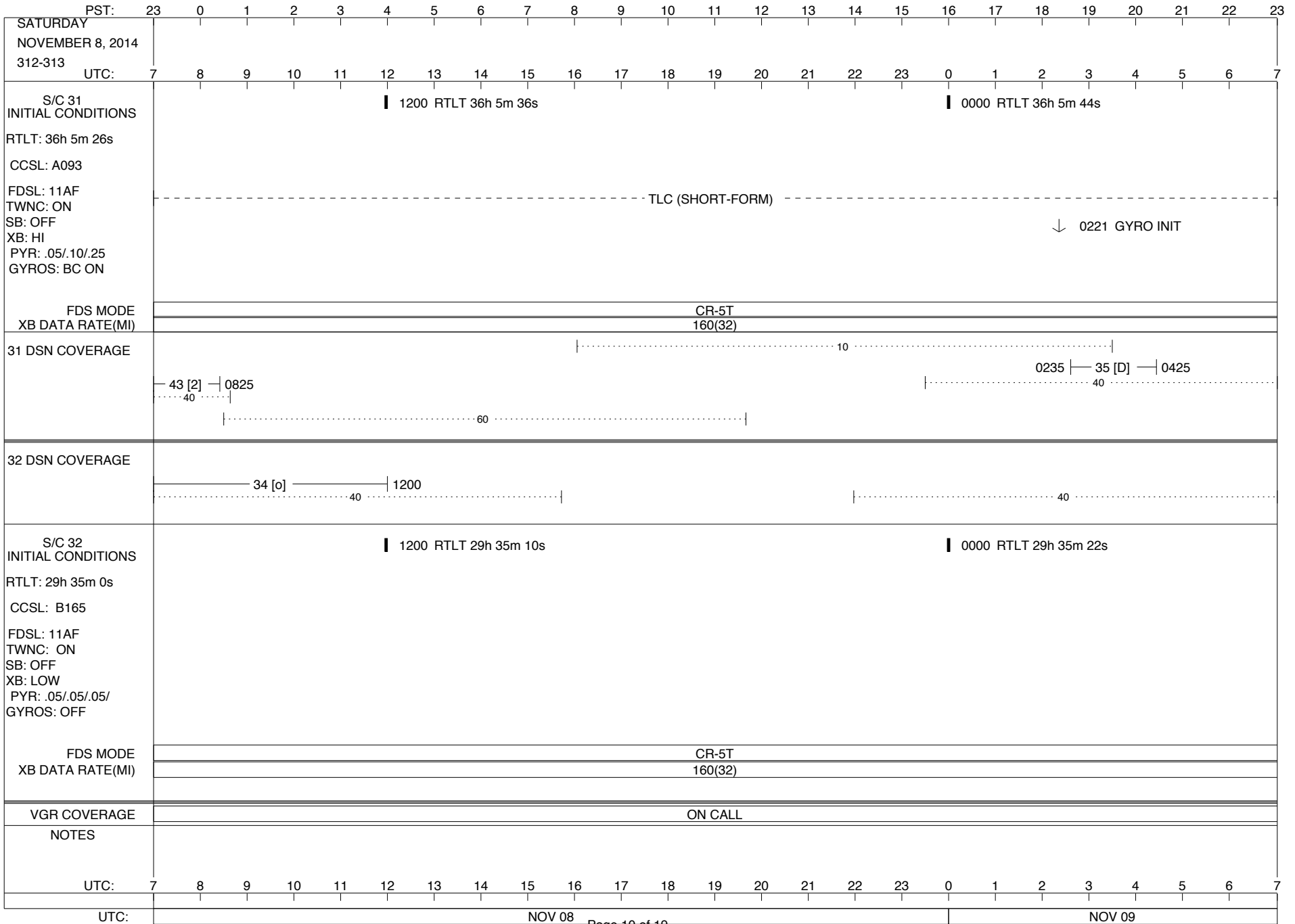
[1] S/C 31=GS-4B @ 0156 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 32=D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (0858-1454)

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

ISSUE DATE: 11/03/14 07:02



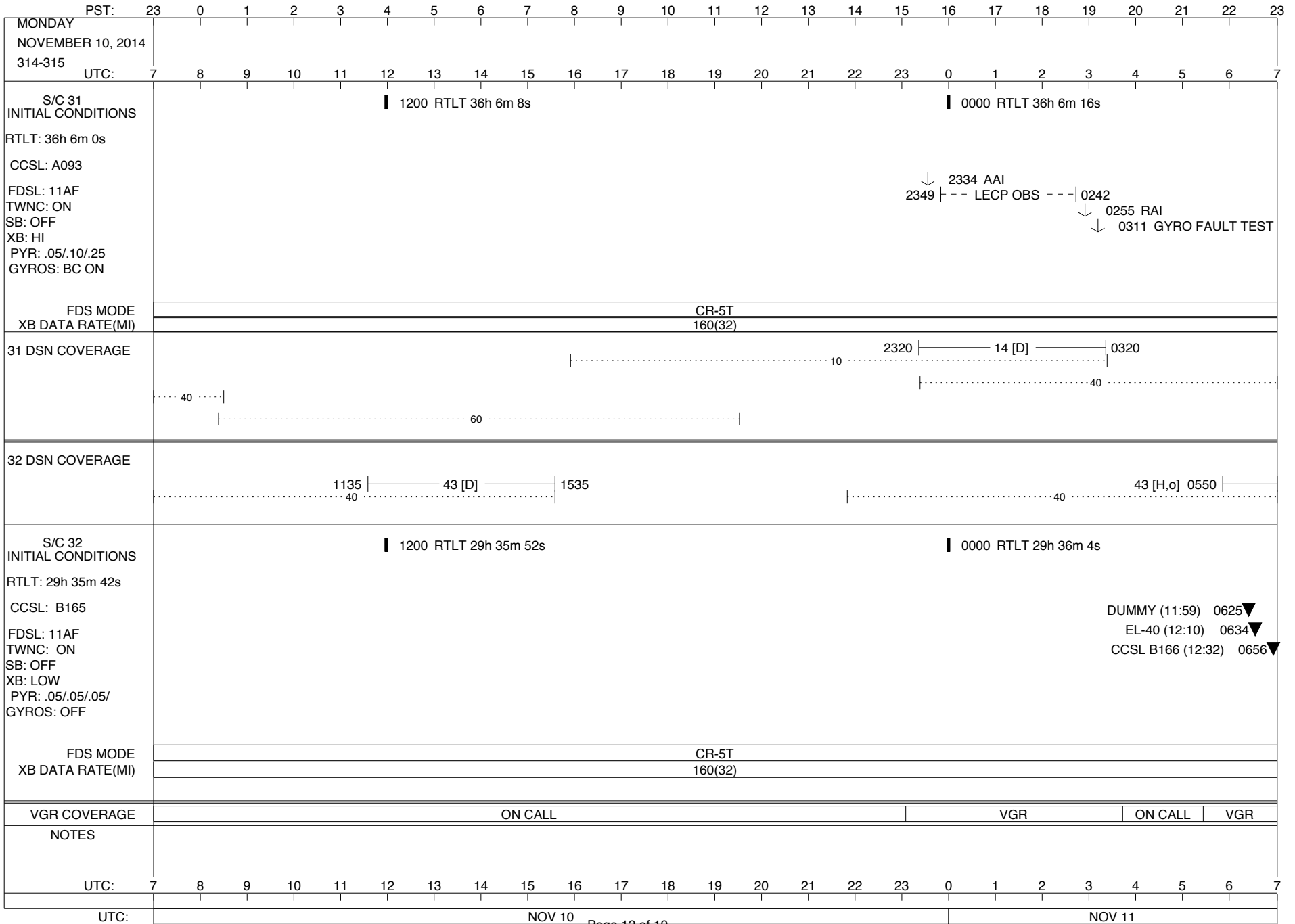
ISSUE DATE: 11/03/14 07:02



ISSUE DATE: 11/03/14 07:02

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 9, 2014 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: 36h 5m 44s CCSL: A093 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 36h 5m 52s											0000 RTLT 36h 6m 0s														
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)											CR-5T 160(32)														
31 DSN COVERAGE	1600 ----- 14 [D] ----- 2000											2330 ----- 43 [D] ----- 0135														
32 DSN COVERAGE	1130 ----- 43 [D] ----- 1540											40														
S/C 32 INITIAL CONDITIONS RTLT: 29h 35m 22s CCSL: B165 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.05/.05/ GYROS: OFF	1200 RTLT 29h 35m 32s											0000 RTLT 29h 35m 42s														
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE												ON CALL														
NOTES	[1] S/C 31=GS-4B @ 1109 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 09											NOV 10														

ISSUE DATE: 11/03/14 07:02



ISSUE DATE: 11/03/14 07:02

		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 11, 2014																											
315-316		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													0000						
RTLTL: 36h 6m 16s																											
CCSL: A093																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: HI																											
PYR: .05/.10/.25																											
GYROS: BC ON																											
FDS MODE																											
XB DATA RATE(MI)																											
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS								1200													0000						
RTLTL: 29h 36m 4s																											
CCSL: B165																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/.05/.05/																											
GYROS: OFF																											
FDS MODE																											
XB DATA RATE(MI)																											
VGR COVERAGE		VGR																									
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:																											

1200 RTLT 36h 6m 24s | 0000 RTLT 36h 6m 32s

0133 | 0134 PWS/RH

↓ 0133 GS-4B 0134

CR-5T | CR-5T
160(32) | 160(32)



1200 RTLT 29h 36m 14s | 0000 RTLT 29h 36m 24s

- ▼ 0730 LOCK COUNT CHG ADJ (13:06)
- ▼ 0756 CR-5T (13:10)

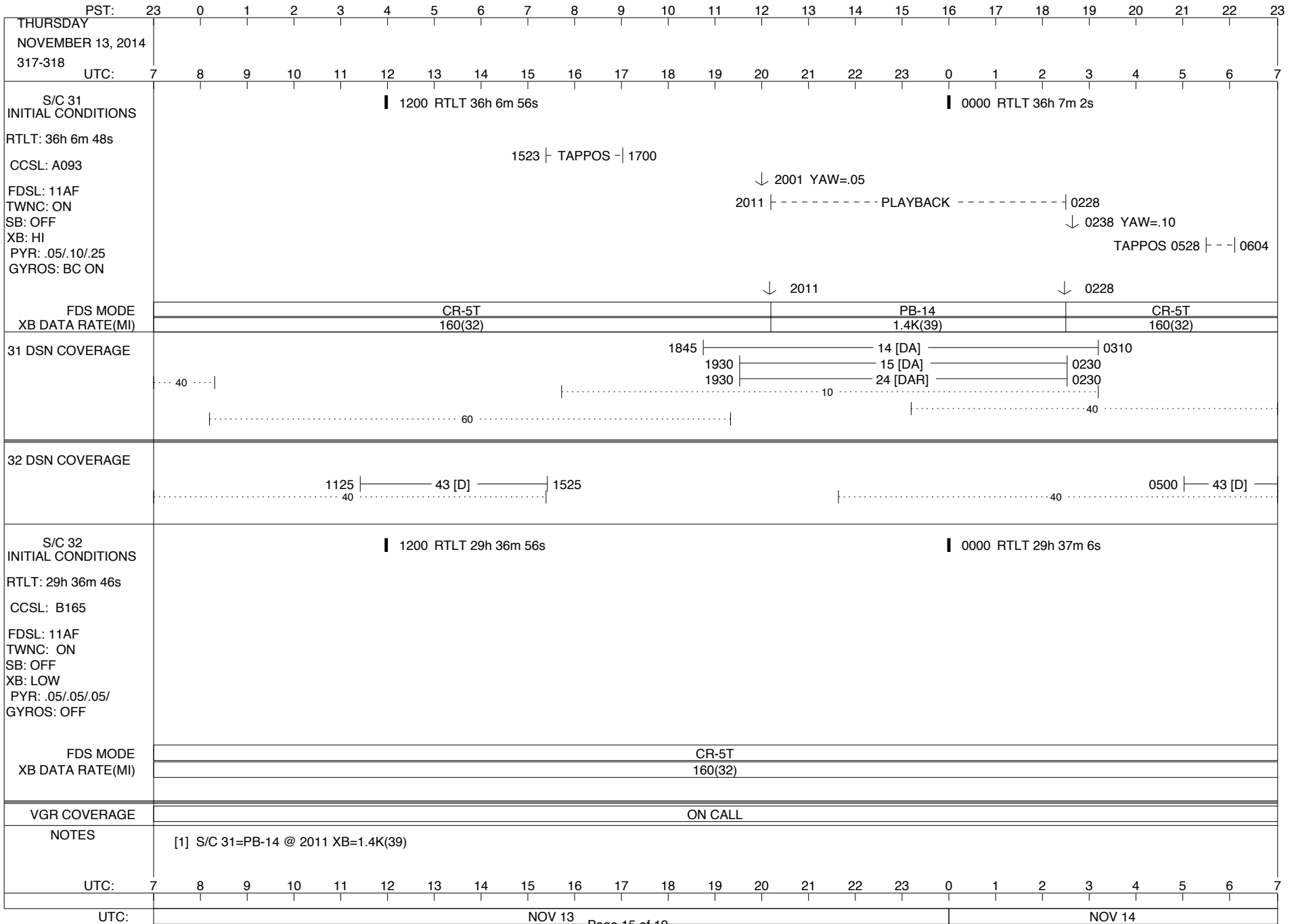
CR-5T
160(32)

VGR | ON CALL

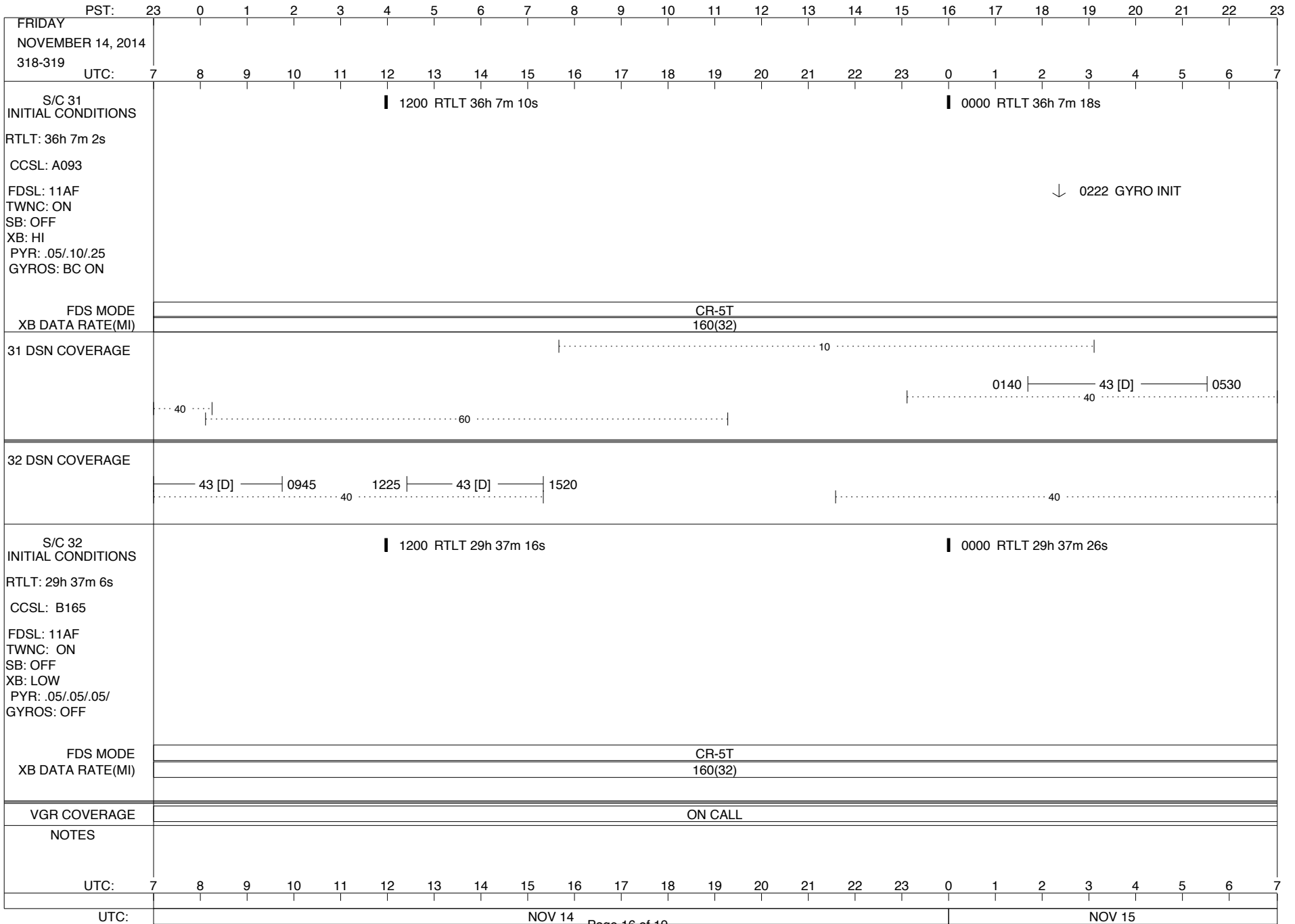
[1] S/C 31=GS-4B @ 0133 XB=2.8K(41) NOT RECOVERABLE

ISSUE DATE: 11/03/14 07:02

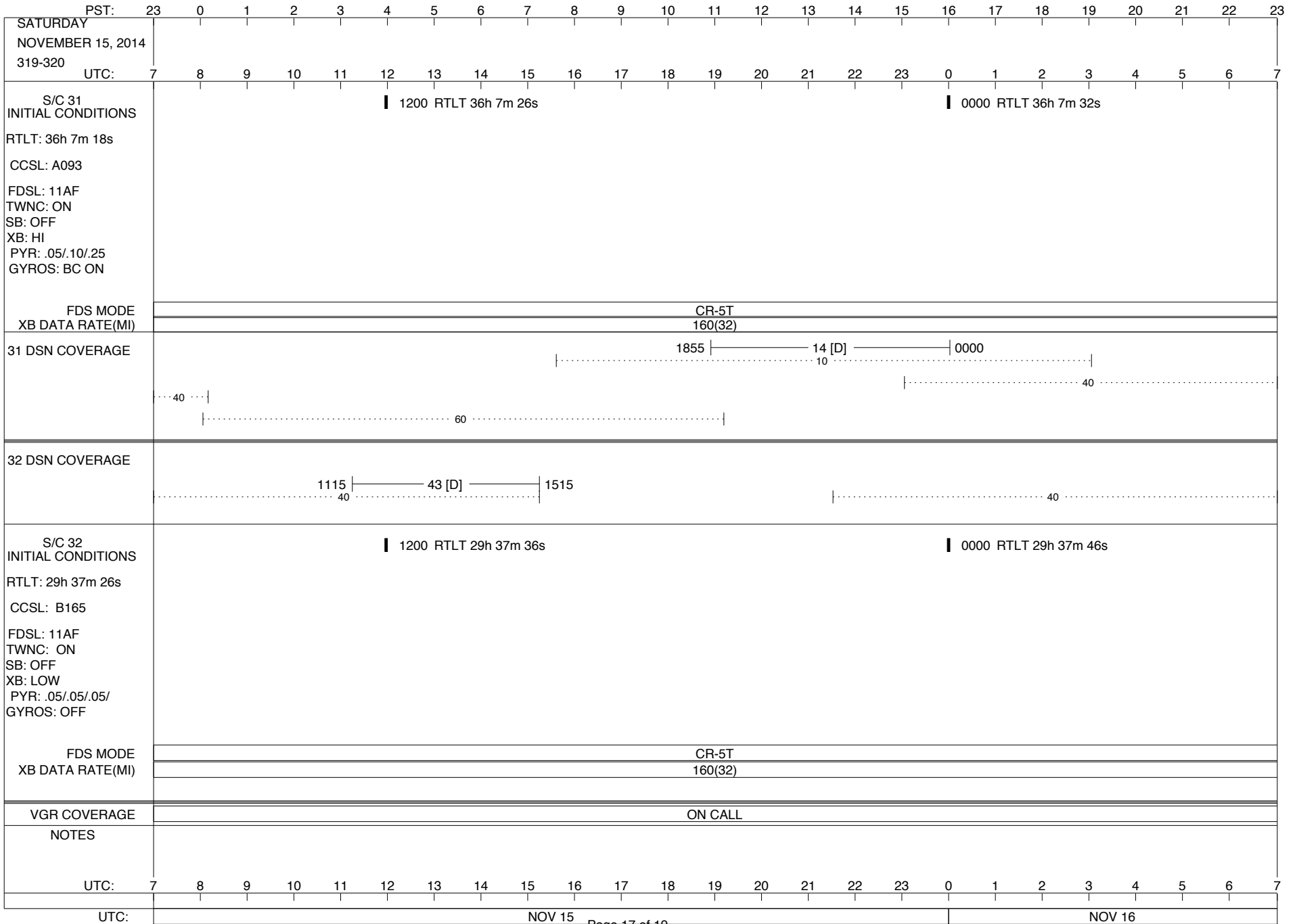
PST:	23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
WEDNESDAY NOVEMBER 12, 2014 316-317																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 36h 6m 32s CCSL: A093 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON						1200													0000							
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE												1745		25 [D]		2130										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 29h 36m 24s CCSL: B165 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/05/05/ GYROS: OFF						1200													0000							
FDS MODE	CR-5T					EL-40		CR-5T																		
XB DATA RATE(MI)	160(32)					40(30)		160(32)																		
VGR COVERAGE	ON CALL																									
NOTES	[1] S/C 32=EL-40 @ 1211 XB=40(30) [2] S/C 32=CR-5T @ 1311 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 12																		NOV 13							



ISSUE DATE: 11/03/14 07:02



ISSUE DATE: 11/03/14 07:02



ISSUE DATE: 11/03/14 07:02

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 16, 2014
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
RTLTL: 36h 7m 32s
CCSL: A093
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 36h 7m 40s

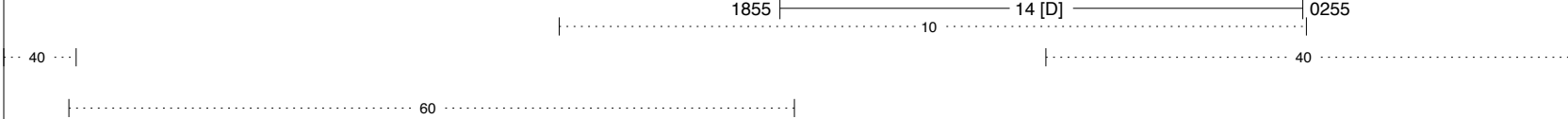
0000 RTLT 36h 7m 48s

1900 |----- GYRO CONTROL -----| 0000 ↓ 0222 GYRO INIT

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 29h 37m 46s
CCSL: B165
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.05/.05/
GYROS: OFF

1200 RTLT 29h 37m 56s

0000 RTLT 29h 38m 6s

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 Page 18 of 19 NOV 17

ISSUE DATE: 11/03/14 07:02

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 17, 2014 321-322	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: 36h 7m 48s CCSL: A093 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 36h 7m 56s																								
FDS MODE												CR-5T													
XB DATA RATE(MI)												160(32)													
31 DSN COVERAGE	<p>... 40 ... </p> <p> 60 </p>																								
32 DSN COVERAGE	<p>..... 1105 43 [D] 1505</p> <p>..... 40 </p>																								
S/C 32 INITIAL CONDITIONS RTLT: 29h 38m 6s CCSL: B165 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.05/.05/ GYROS: OFF	1200 RTLT 29h 38m 16s																								
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
UTC:	NOV 17											NOV 18													