

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: October 19, 2016

For the Period: 10/20/16 to 11/07/16 (16-294 – 16-312)

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DSOT (1) 230-102

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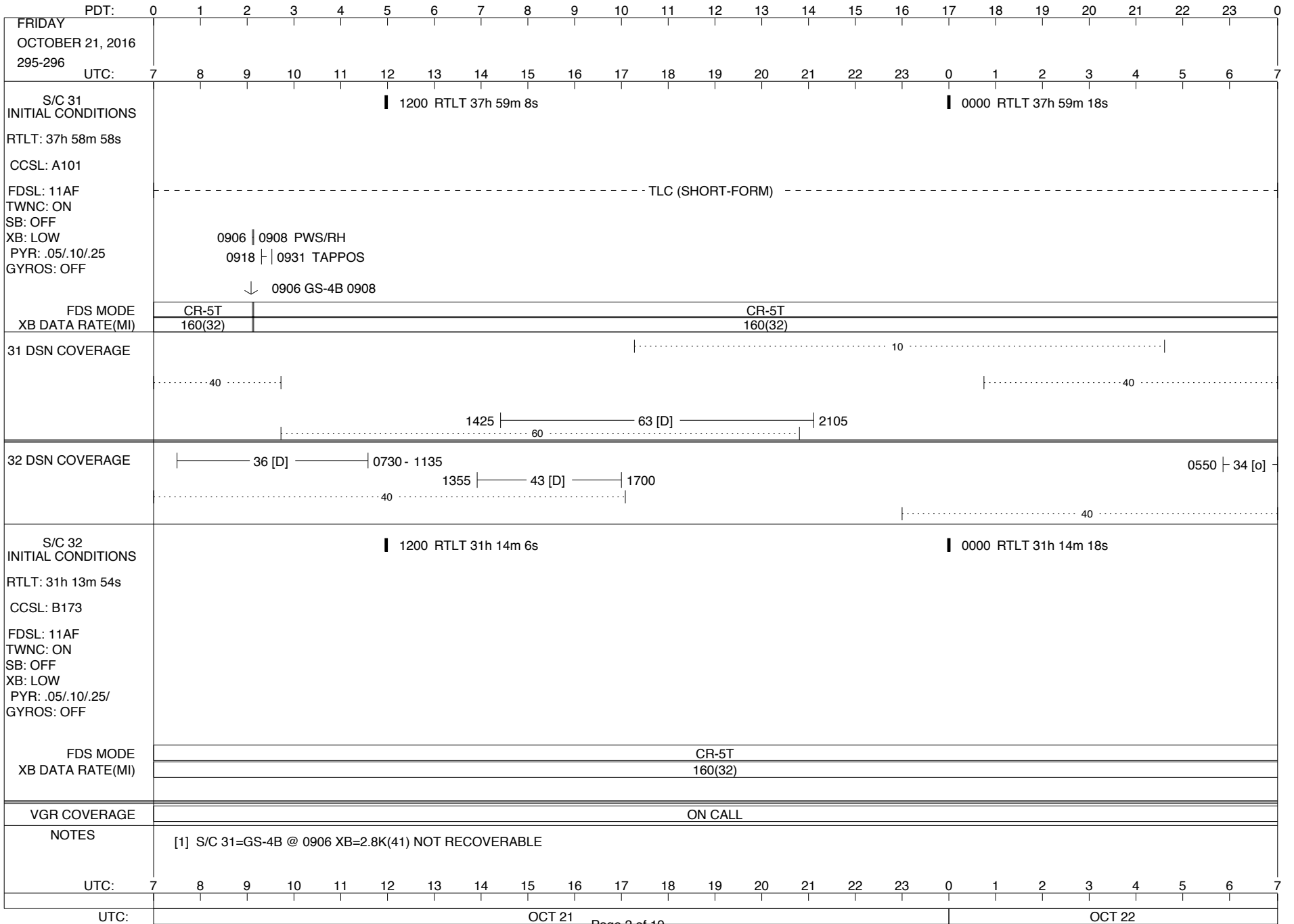
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U =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

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

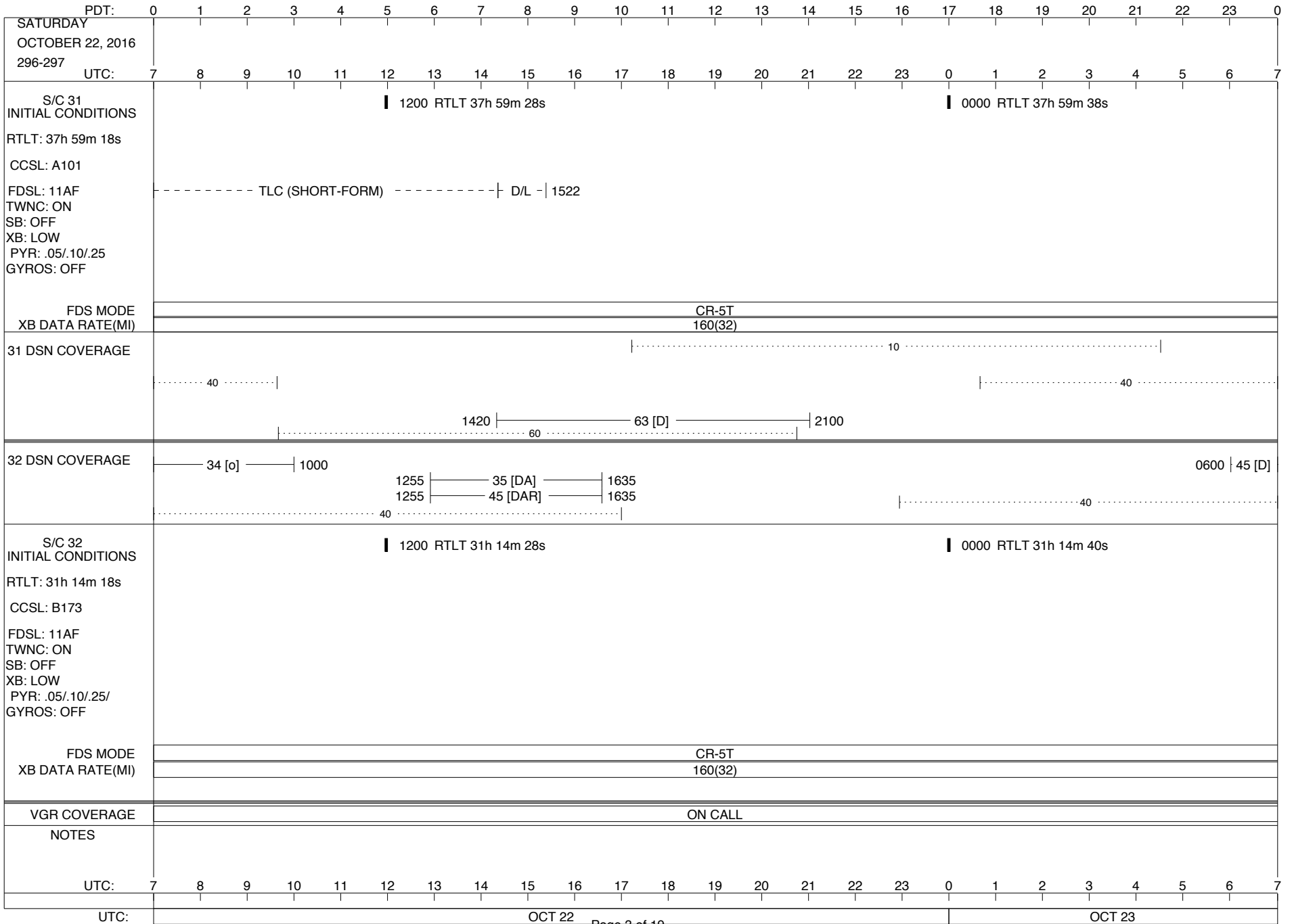
ISSUE DATE: 10/21/16 13:00

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THURSDAY OCTOBER 20, 2016 294-295																									
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S/C 31 INITIAL CONDITIONS RTLT: 37h 58m 38s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						1200												0000							
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 31h 13m 32s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						1200												0000							
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE																									
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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ISSUE DATE: 10/21/16 13:00



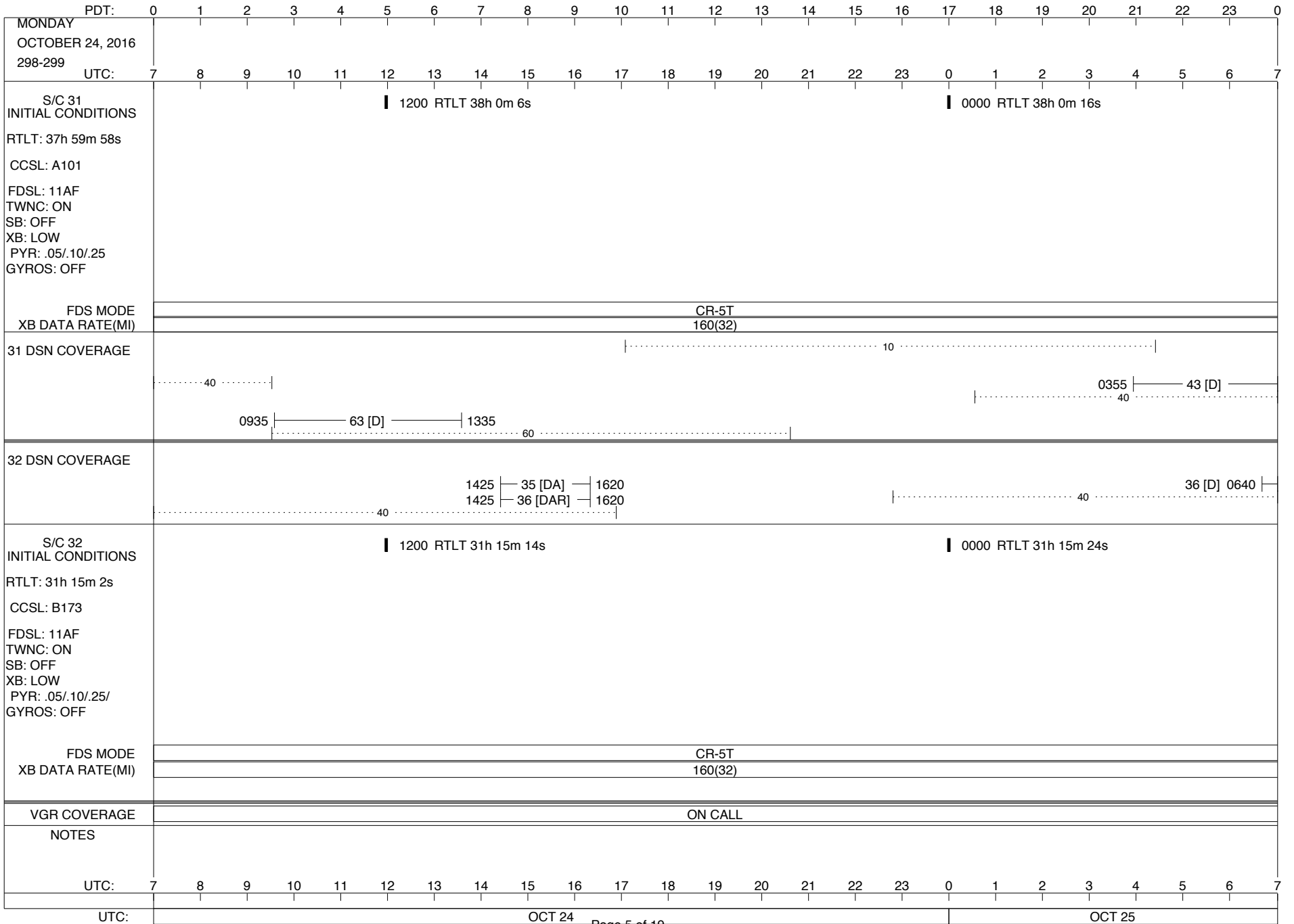
ISSUE DATE: 10/21/16 13:00



ISSUE DATE: 10/21/16 13:00

PDT: 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	
SUNDAY OCTOBER 23, 2016 297-298	
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 59m 38s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 59m 48s 0000 RTLT 37h 59m 58s 0905 0917 TAPPOS 1206 1208 PWS/RH 1218 1245 TAPPOS ↓ 1206 GS-4B 1208
	FDS MODE CR-5T CR-5T XB DATA RATE(MI) 160(32) 160(32)
	31 DSN COVERAGE 1710 14 [D] 2210 40 60
	32 DSN COVERAGE 45 [D] 1000 1345 43 [D] 1655 40 2320 34 [DAR] 0320 2320 45 [DA] 0320 40
S/C 32 INITIAL CONDITIONS RTLT: 31h 14m 40s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 14m 50s 0000 RTLT 31h 15m 2s
	FDS MODE CR-5T XB DATA RATE(MI) 160(32)
	VGR COVERAGE ON CALL
	NOTES [1] S/C 31=GS-4B @ 1206 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 23 Page 4 of 19 OCT 24	

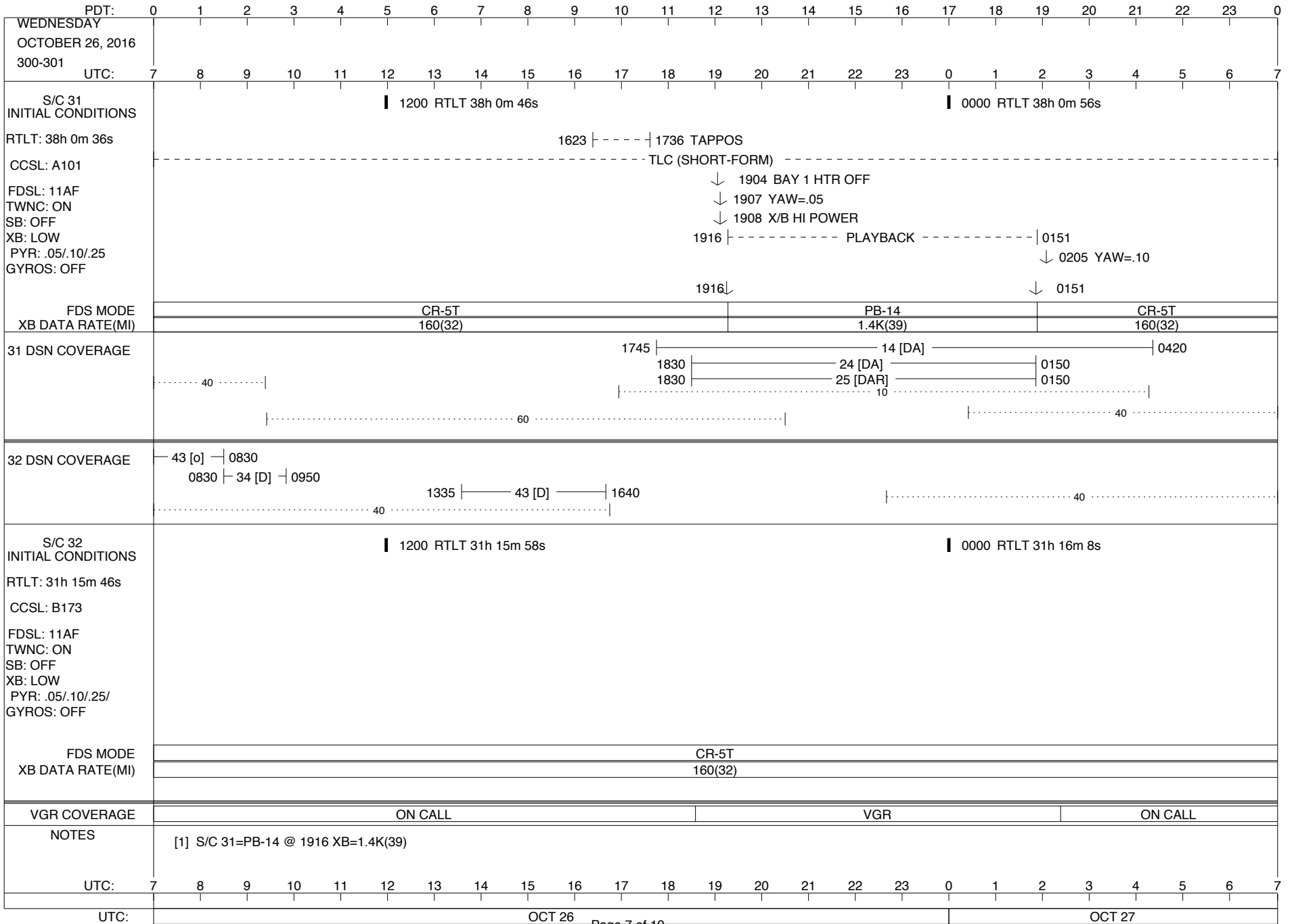
ISSUE DATE: 10/21/16 13:00



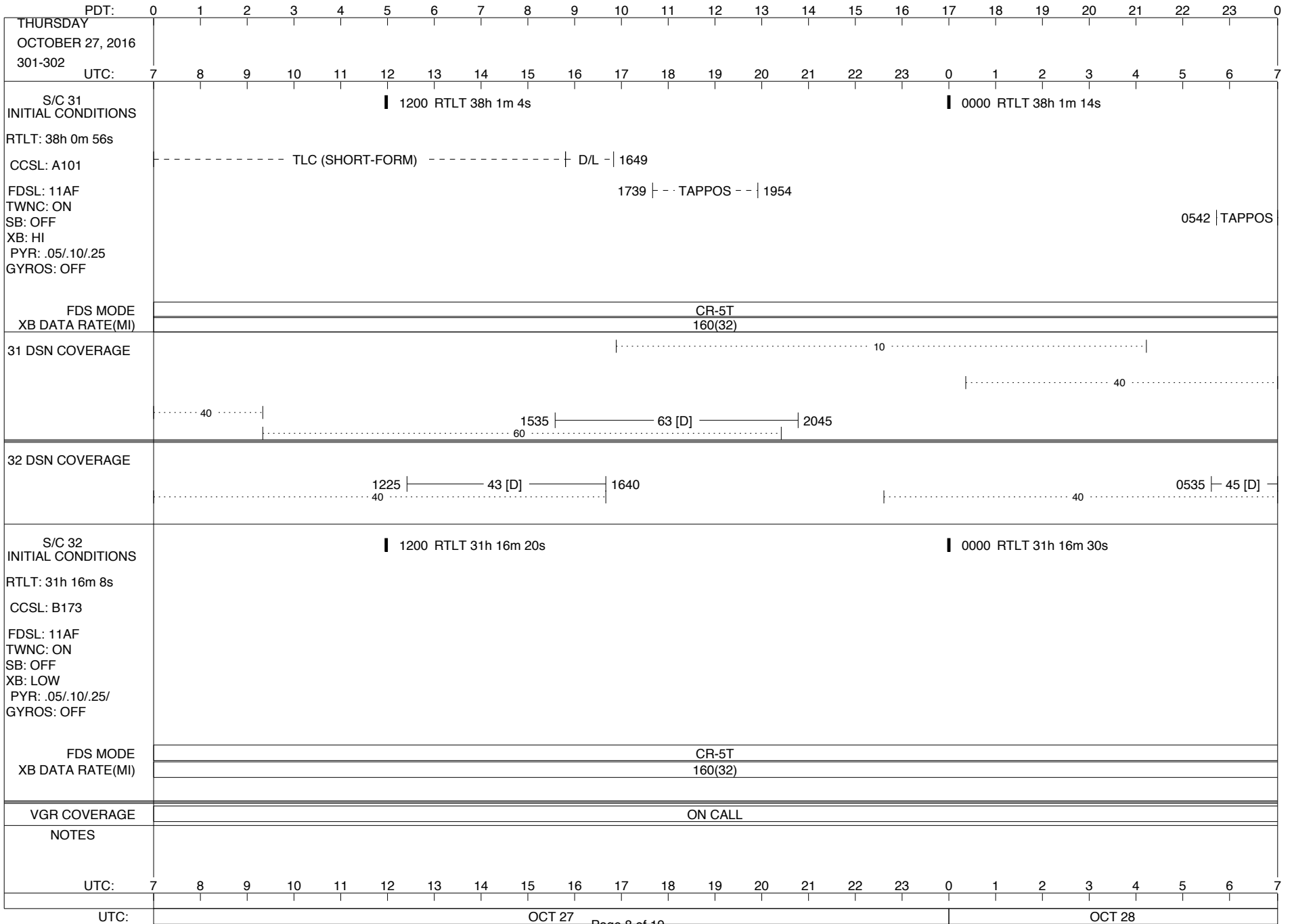
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TUESDAY OCTOBER 25, 2016 299-300																									
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S/C 31 INITIAL CONDITIONS RTLT: 38h 0m 16s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 38h 0m 26s												█ 0000 RTLT 38h 0m 36s							
FDS MODE XB DATA RATE(MI)											CR-5T 160(32)														CR-5T 160(32)
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 31h 15m 24s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 31h 15m 36s												█ 0000 RTLT 31h 15m 46s							
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE																									
NOTES																									
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UTC:																									

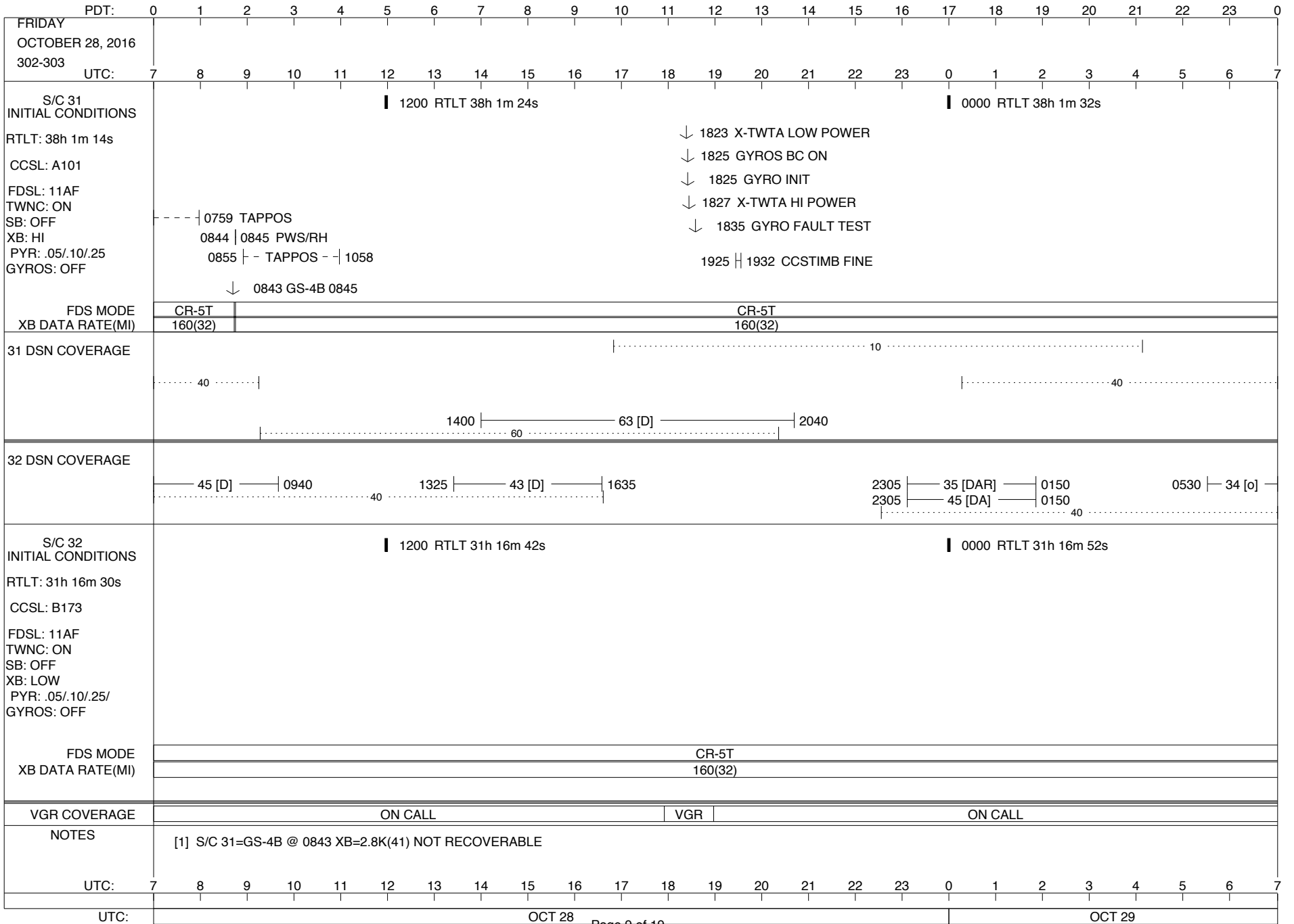
ISSUE DATE: 10/21/16 13:00

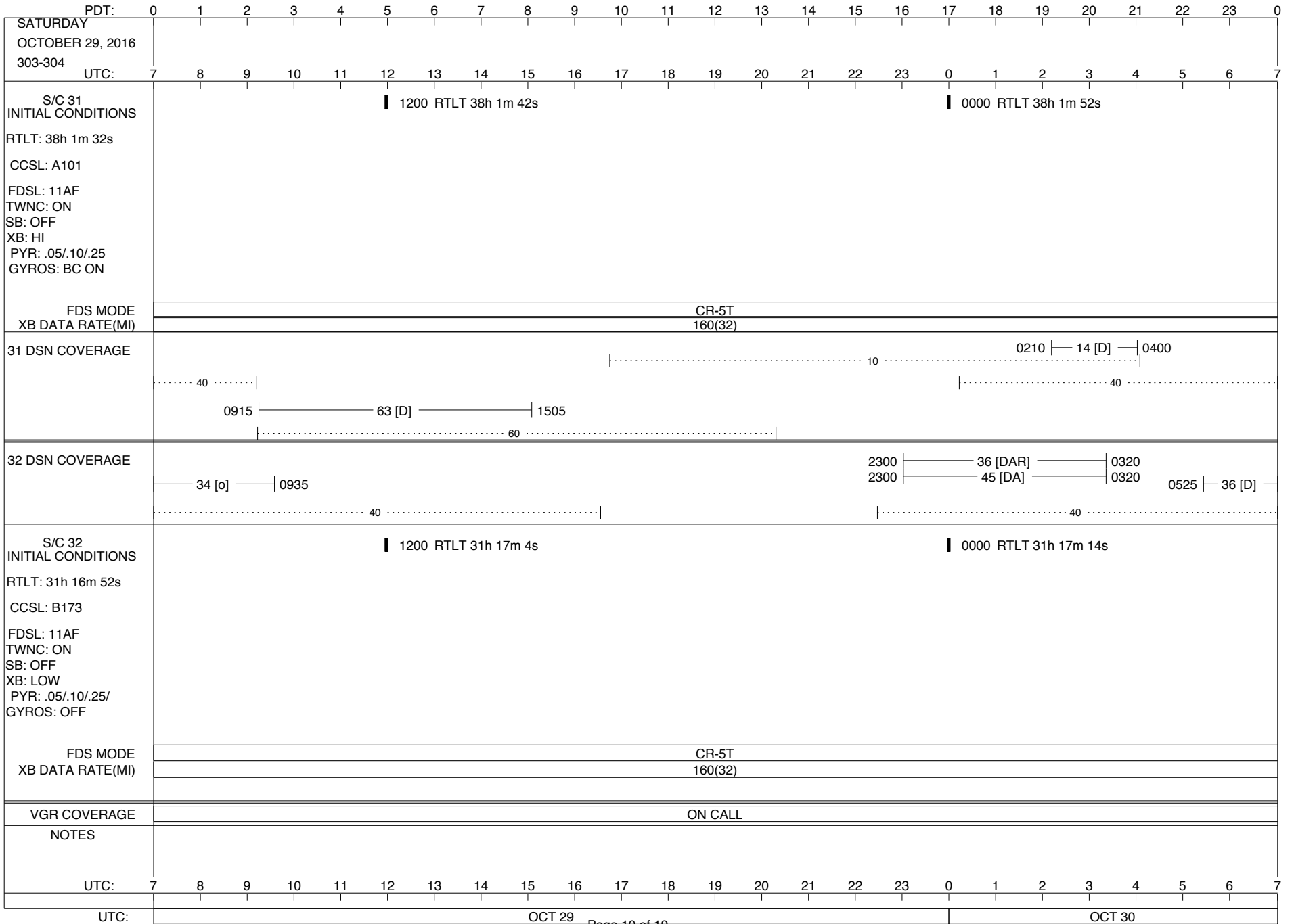


ISSUE DATE: 10/21/16 13:00

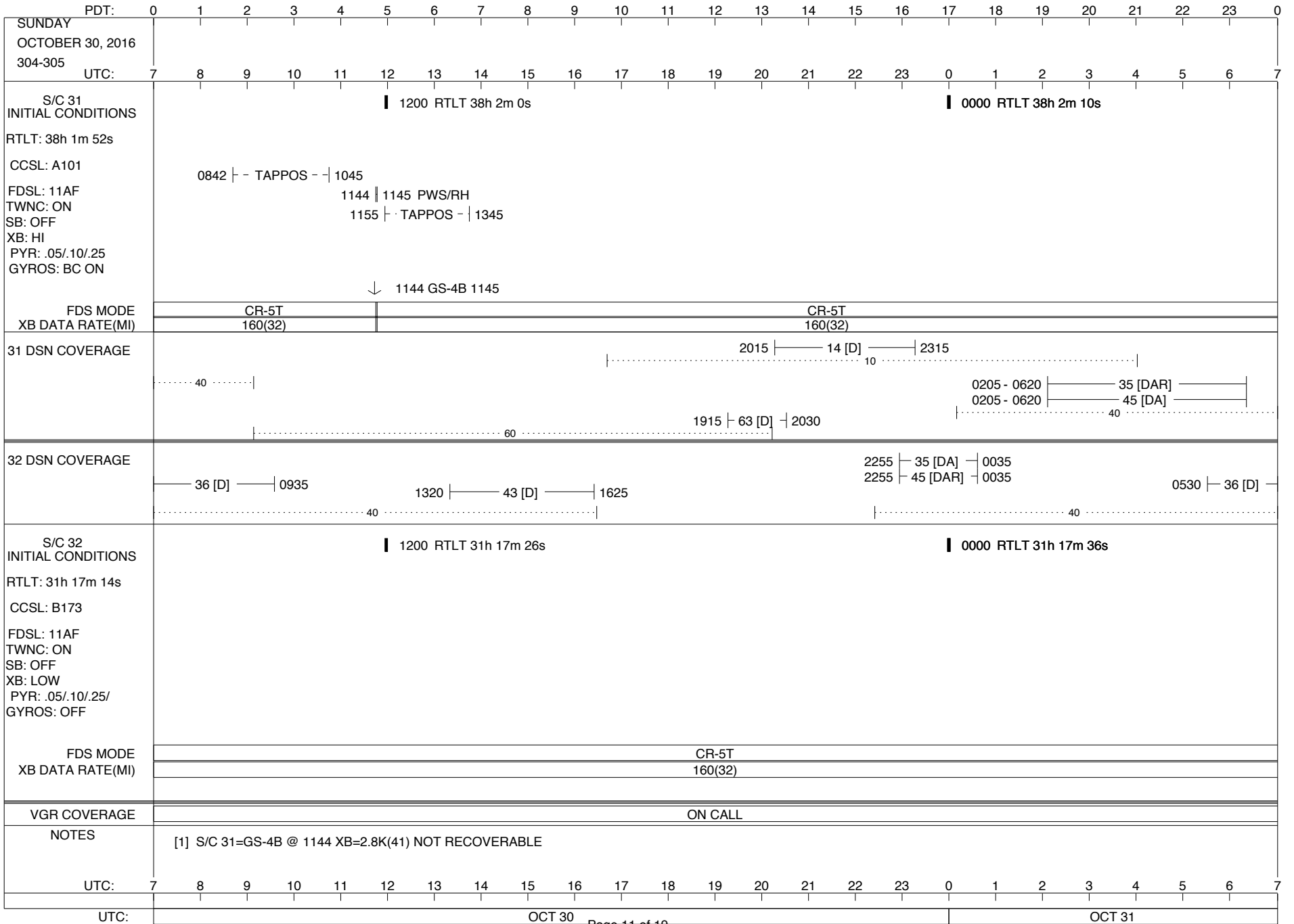


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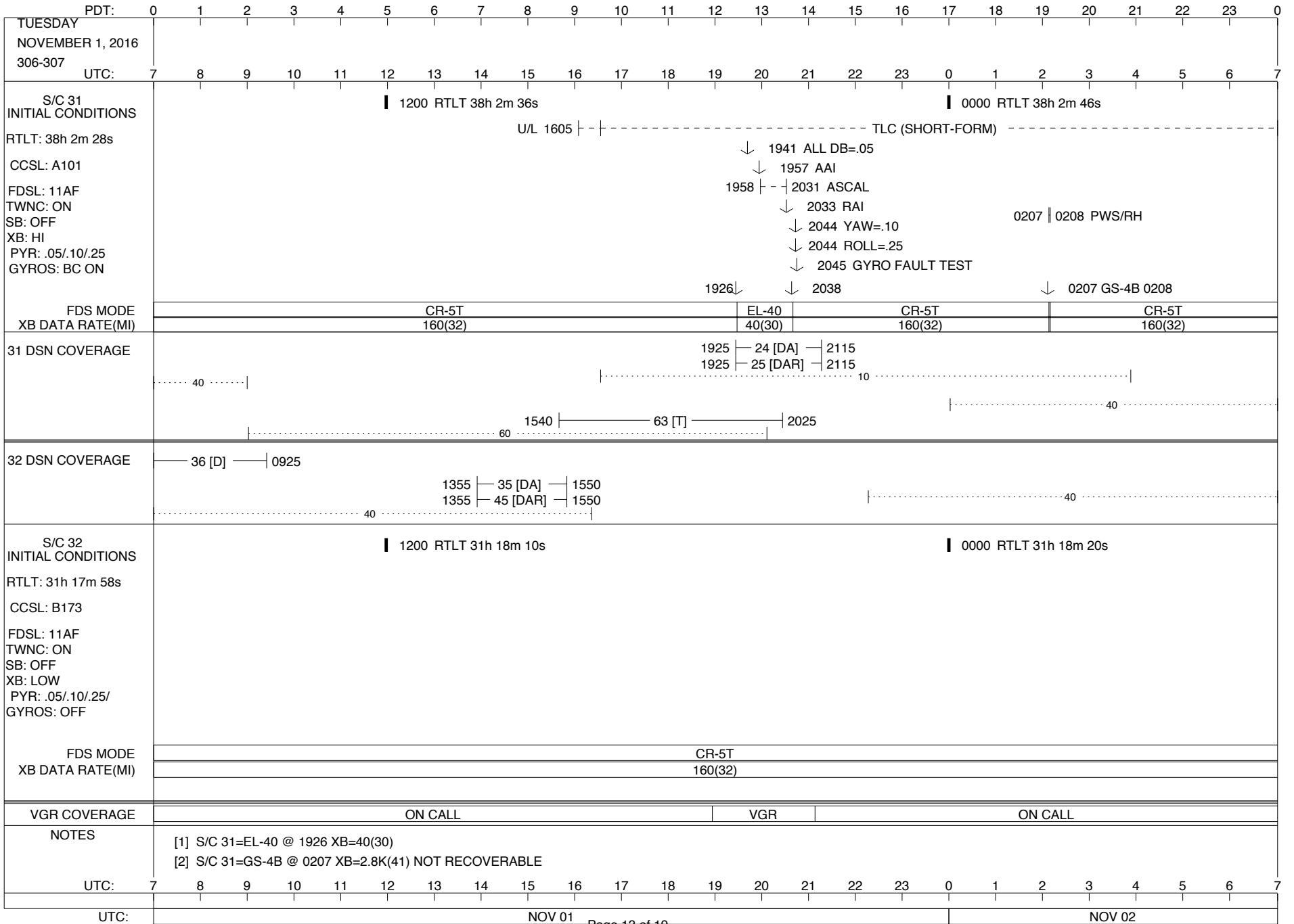




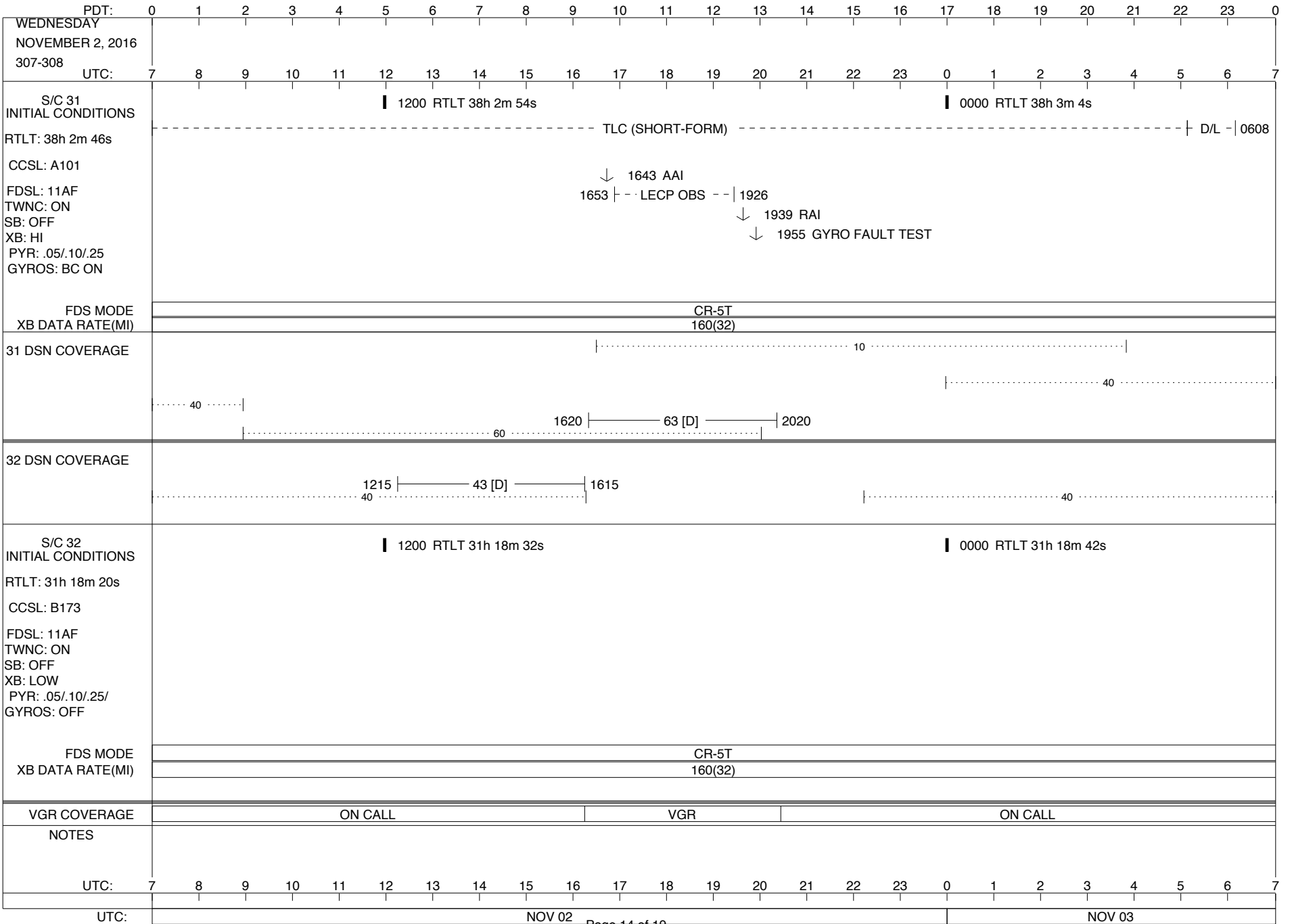
ISSUE DATE: 10/21/16 13:00



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ISSUE DATE: 10/21/16 13:00

PDT:	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	
THURSDAY NOVEMBER 3, 2016 308-309																										
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S/C 31 INITIAL CONDITIONS RTLT: 38h 3m 4s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON						█ 1200 RTLT 38h 3m 12s												█ 0000 RTLT 38h 3m 20s								
FDS MODE XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 31h 18m 42s CCSL: B173 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 31h 18m 54s												█ 0000 RTLT 31h 19m 4s								
FDS MODE XB DATA RATE(MI)																										
VGR COVERAGE																										
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:																										

↓ 1948 AAI
1958 | - - LECP OBS - - | 2231
↓ 2244 RAI
↓ 2300 GYRO FAULT TEST

0519 - 0654 | TAPPOS |

CR-5T
160(32)

1935 |-----| 14 [D] |-----| 2335
|-----| 10 |-----|

1005 |-----| 43 [D] |-----| 1610
|-----| 40 |-----|

0505 |-----| 34 [o] |-----|
|-----| 40 |-----|

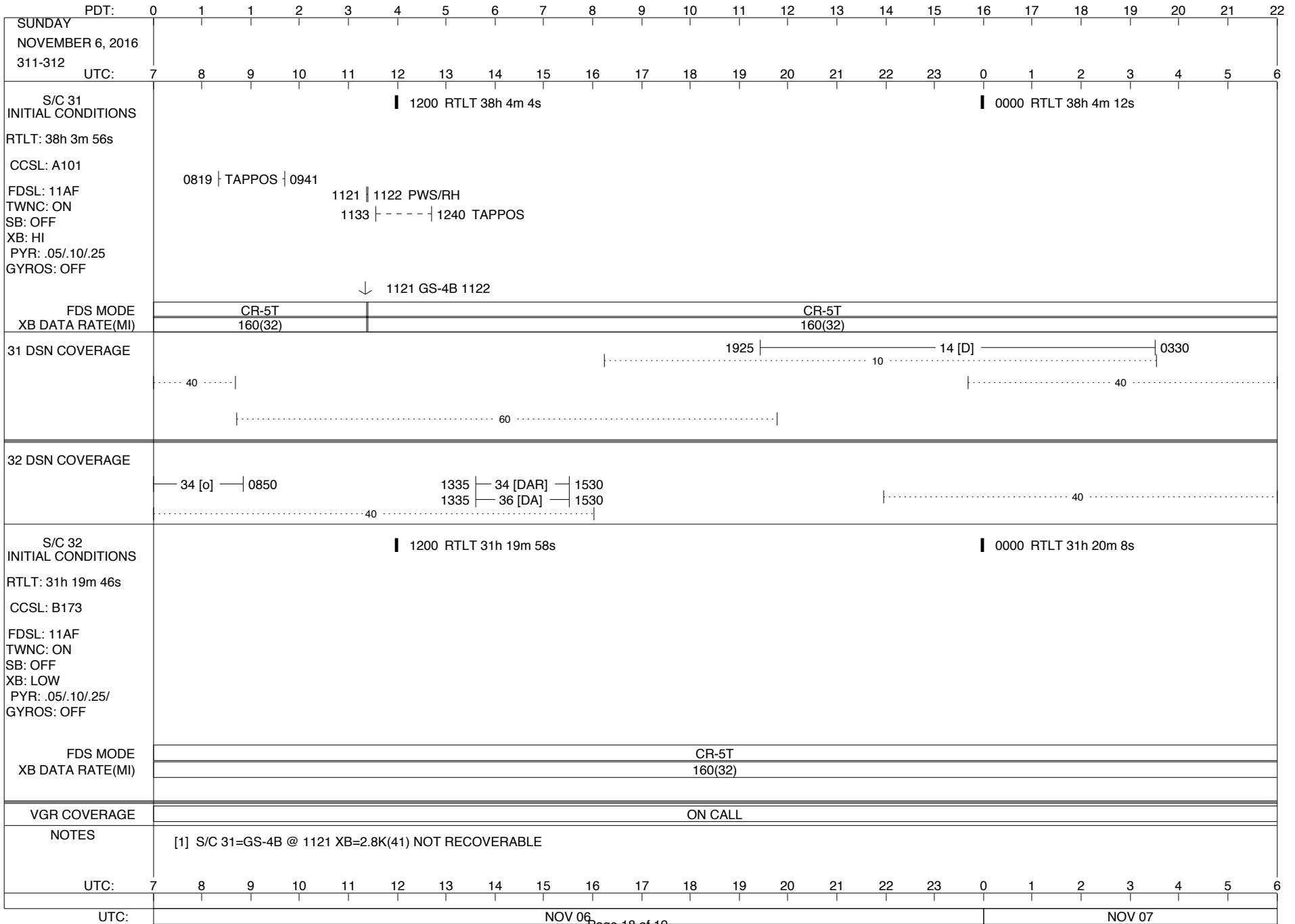
ISSUE DATE: 10/21/16 13:00

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FRIDAY NOVEMBER 4, 2016 309-310																													
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S/C 31 INITIAL CONDITIONS		1200 RTLT 38h 3m 30s														0000 RTLT 38h 3m 38s													
RTLT: 38h 3m 20s																													
CCSL: A101																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: HI																													
PYR: .05/.10/.25																													
GYROS: BC ON																													
FDS MODE		CR-5T														CR-5T													
XB DATA RATE(MI)		160(32)														160(32)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS		1200 RTLT 31h 19m 14s														0000 RTLT 31h 19m 26s													
RTLT: 31h 19m 4s																													
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		<p>[1] S/C 31=GS-4B @ 0820 XB=2.8K(41) NOT RECOVERABLE</p> <p>[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														NOV 05													

ISSUE DATE: 10/21/16 13:00

PDT:	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	
SATURDAY NOVEMBER 5, 2016 310-311																										
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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																				
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE																										
32 DSN COVERAGE																										
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																				
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 05												NOV 06													

ISSUE DATE: 10/21/16 13:00



ISSUE DATE: 10/21/16 13:00

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

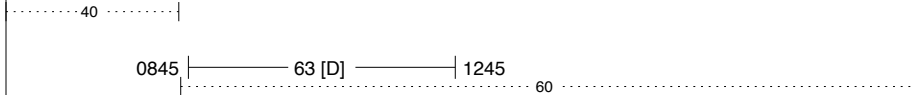
S/C 31
INITIAL CONDITIONS
RTLT: 38h 4m 12s
CCSL: A101
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 38h 4m 20s

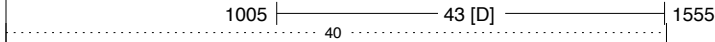
FDS MODE
XB DATA RATE(MI)

CR-5T
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

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

ON CALL

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 07 Page 19 of 19 NOV 08