

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: October 27, 2010

For the Period: 10/28/2010 to 11/15/2010 (10-301 – 10-319)

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

**SCIENCE**

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

**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

CRS \*bryant@mail630.gsfc.nasa.gov  
 LECP \*r.decker@jhupl.edu  
 UVS \*holberg@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

Dodd, S.  
 Hall, J.  
 Howard, S. (3)  
 Ludwig, R. (2)  
 Matsumoto, S.  
 Medina, E.  
 Peralta, F.  
 Weeks, T.  
 Wong, R.  
 Yang, L  
 Zottarelli, L.  
 \*odivers1@san.rr.com

**OTHER**

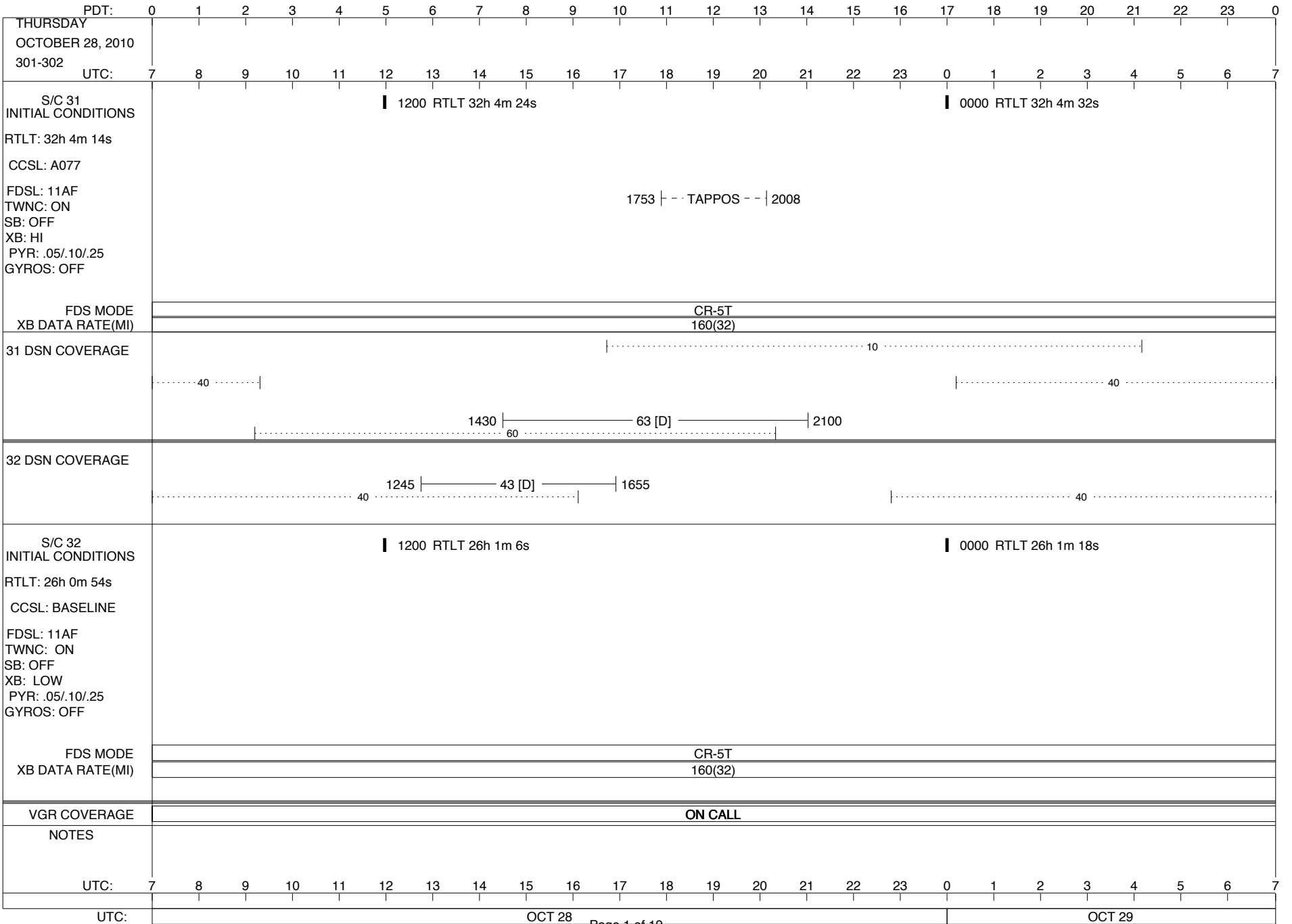
\* KMassej@jgld.gdscc.nasa.gov  
 \* Belinda.Arroyo@jpl.nasa.gov  
 \* !DL-DSN-MPSETA@dsn.nasa.gov

**LEGEND:**

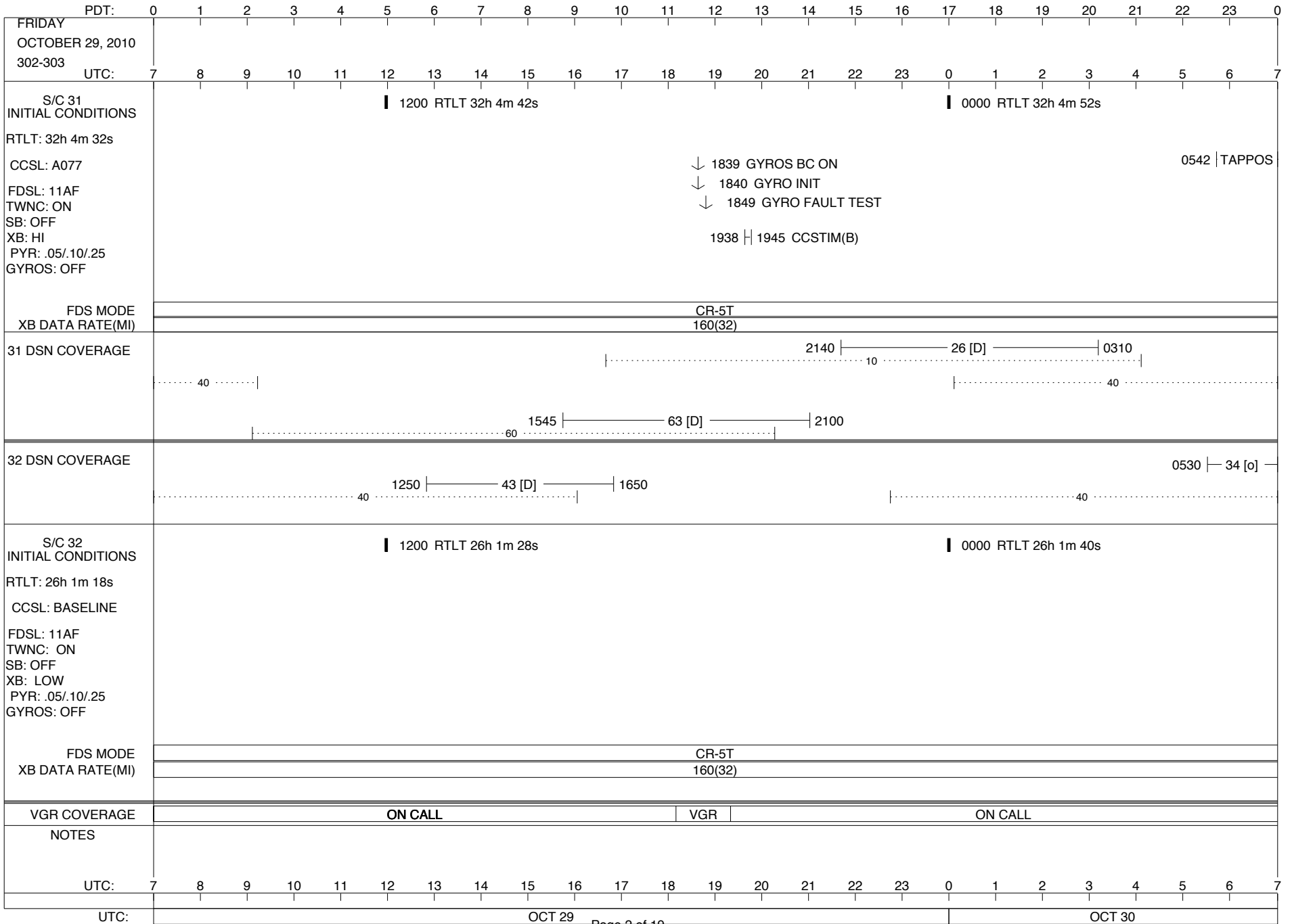
▽ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = 7-Point BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna  
 T = TLC Uplink  
 U = Uplink only pass  
 [o] = Ramp-through

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

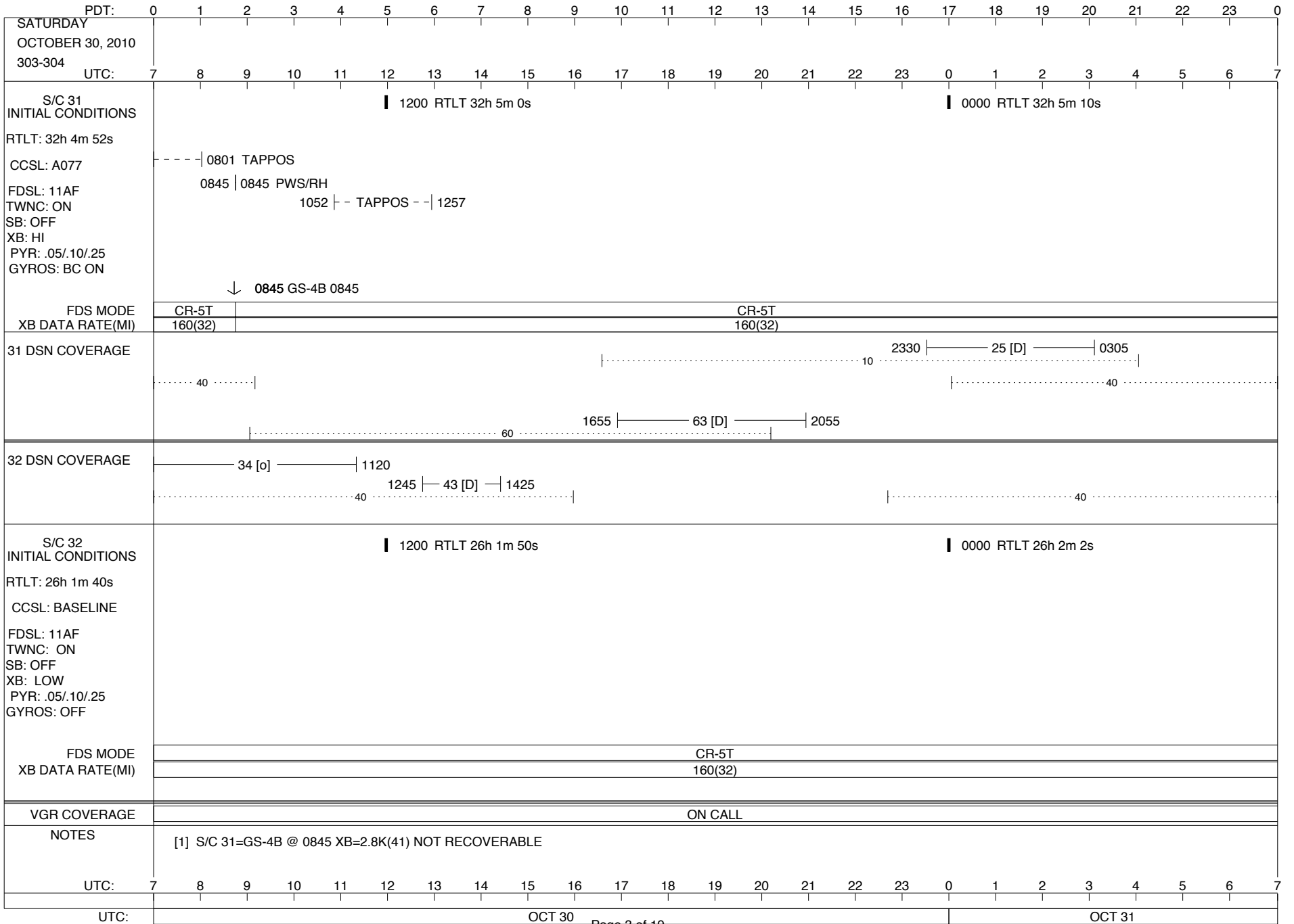
ISSUE DATE: 11/03/10 10:22



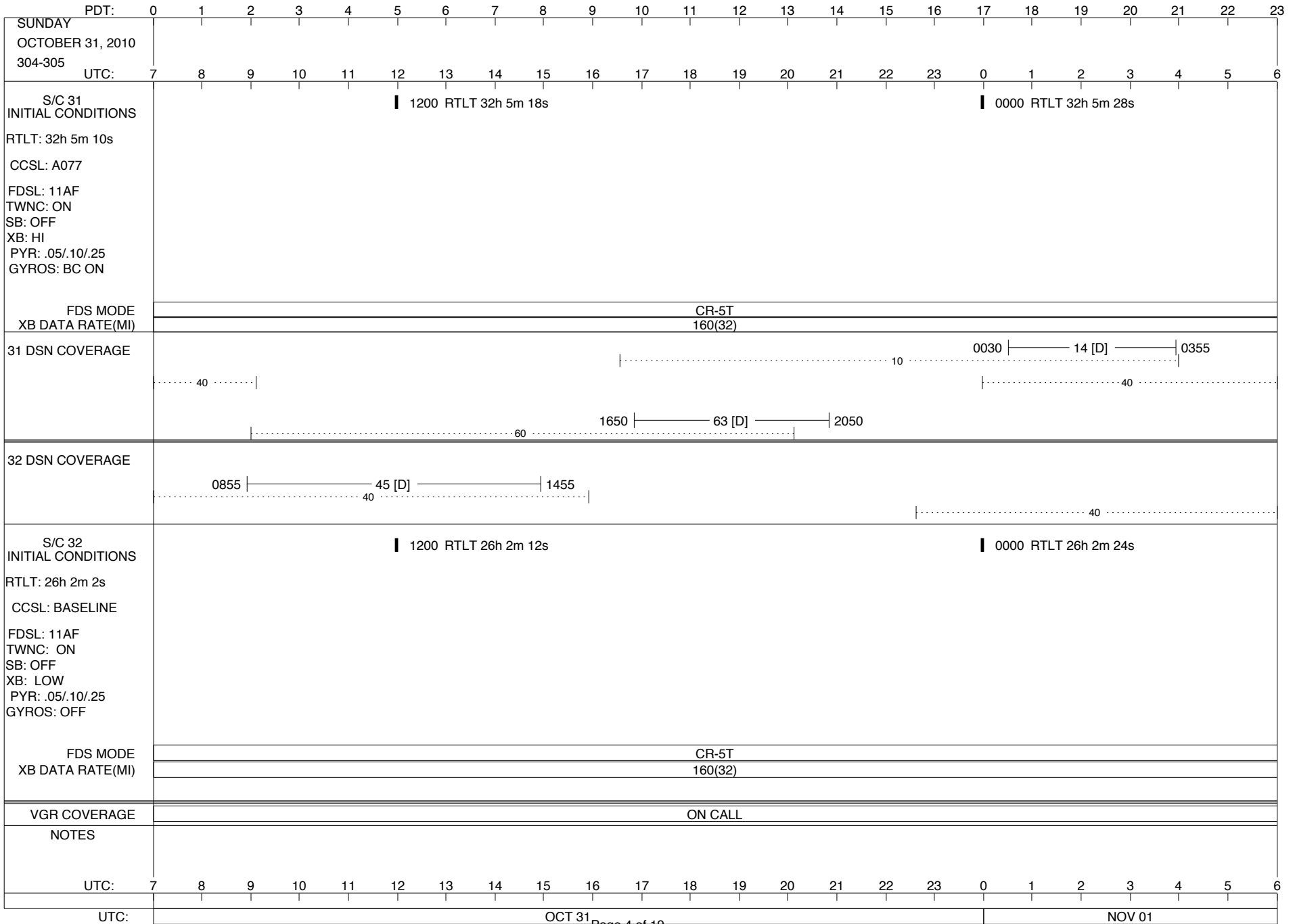
ISSUE DATE: 11/03/10 10:22



ISSUE DATE: 11/03/10 10:22



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ISSUE DATE: 11/03/10 10:22

PDT:	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	0		
MONDAY NOVEMBER 1, 2010 305-306																												
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: 32h 5m 28s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON							1200																					
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLT: 26h 2m 24s CCSL: BASELINE 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:	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 01														NOV 02													

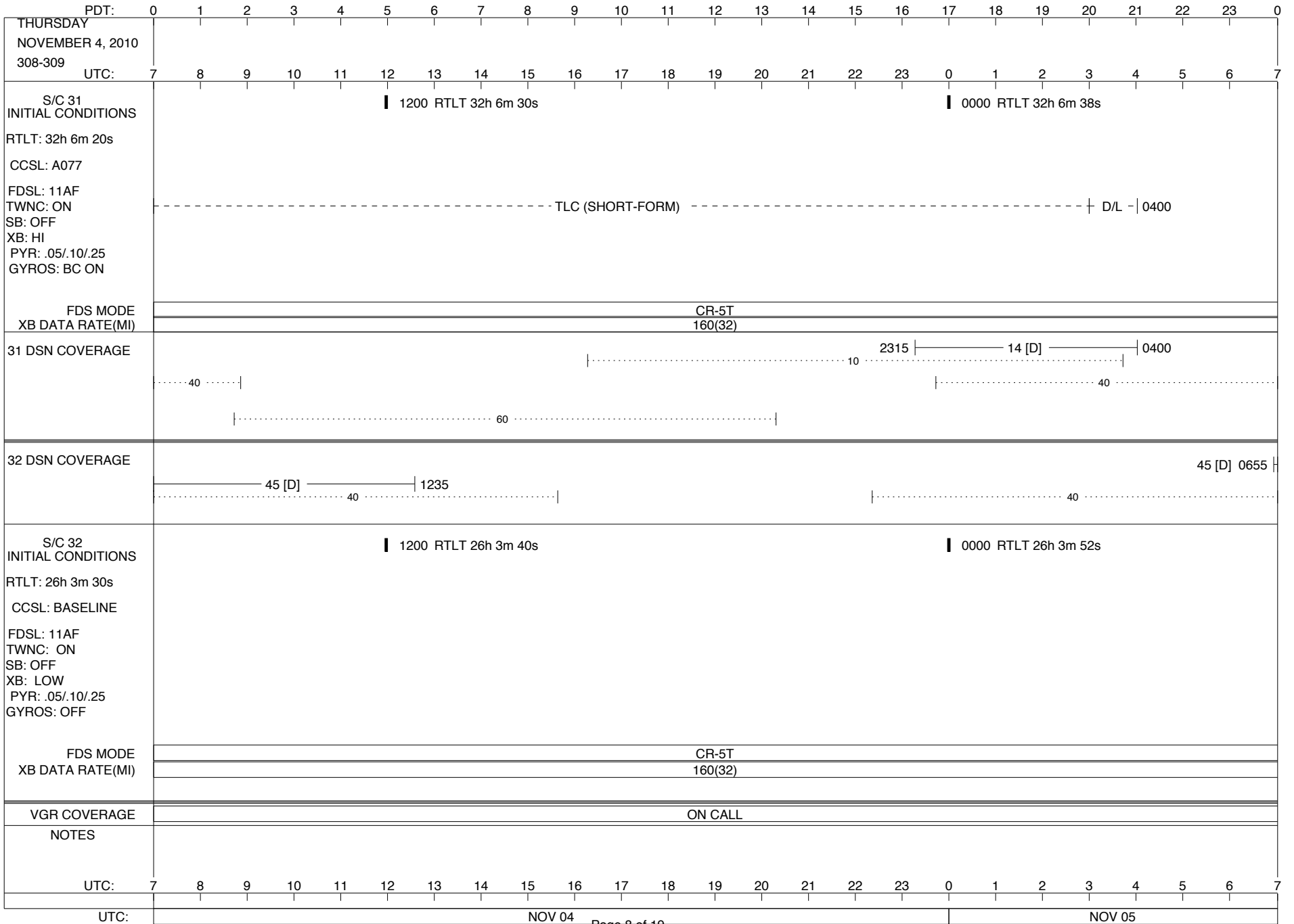
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TUESDAY																													
NOVEMBER 2, 2010																													
306-307																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31		1200 RTLT 32h 5m 54s														0000 RTLT 32h 6m 4s													
INITIAL CONDITIONS																													
RTLT: 32h 5m 46s																													
CCSL: A077																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: HI																													
PYR: .05/10/25																													
GYROS: BC ON																													
FDS MODE		CR-5T														EL-40				EH-12		CR-5T				CR-5T			
XB DATA RATE(MI)		160(32)														40(30)						160(32)				160(32)			
31 DSN COVERAGE		<p>1935  -----  14 [DA]  -----  0405</p> <p>2100  -----  24 [DAR]  -----  0345</p> <p>40  ----- </p> <p>1755  -----  63 [D]  -----  1955</p> <p>60  ----- </p> <p>40  ----- </p>																											
32 DSN COVERAGE		<p>0850  -----  45 [D]  -----  1425</p> <p>40  ----- </p> <p>0535  -----  34 [D]  ----- </p> <p>40  ----- </p>																											
S/C 32		1200 RTLT 26h 2m 58s														0000 RTLT 26h 3m 8s													
INITIAL CONDITIONS																													
RTLT: 26h 2m 46s																													
CCSL: BASELINE																													
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=D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (2012-2049)</p> <p>[2] S/C 31=EL-40 @ 1940 XB=40(30)</p> <p>[3] S/C 31=CR-5T @ 2052 XB=160(32)</p> <p>[4] S/C 31=EH-12 @ 2130 XB=1.2K(39)</p> <p>[5] S/C 31=CR-5T @ 2234 XB=160(32)</p> <p>[6] S/C 31=GS-4B @ 0221 XB=2.8K(41) NOT RECOVERABLE</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 02														NOV 03													

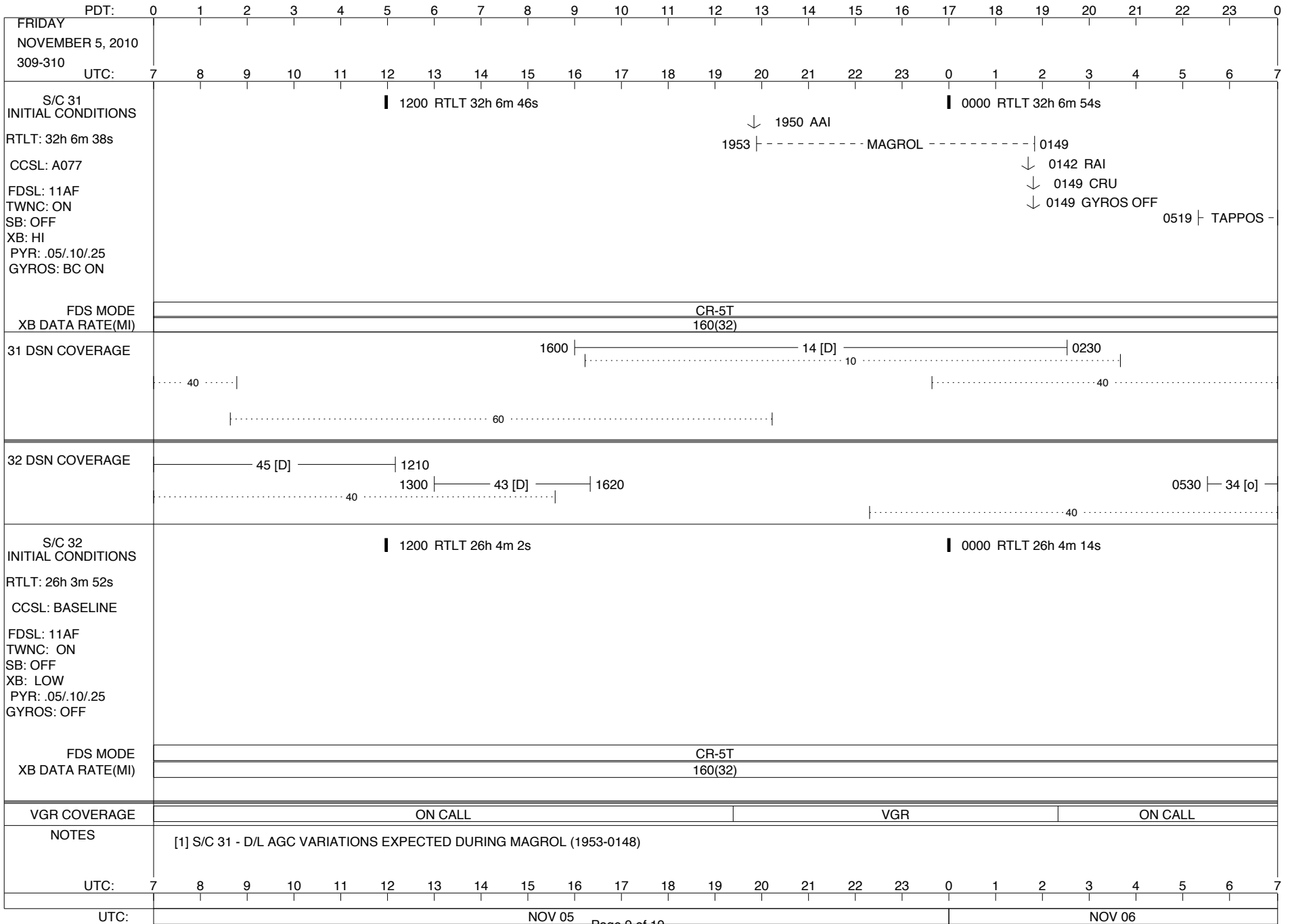
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WEDNESDAY NOVEMBER 3, 2010 307-308	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 32h 6m 4s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 32h 6m 12s																				0000 RTLT 32h 6m 20s				
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	-----40-----   -----60-----   -----63 [T]-----   -----25 [D]-----   -----40-----  2330  -----  0250 1635  -----  1950																								
32 DSN COVERAGE	-----34 [D]-----   -----40-----   -----45 [D] 0645-----  1300																								
S/C 32 INITIAL CONDITIONS RTLTL: 26h 3m 8s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 3m 20s																								
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 03												NOV 04												



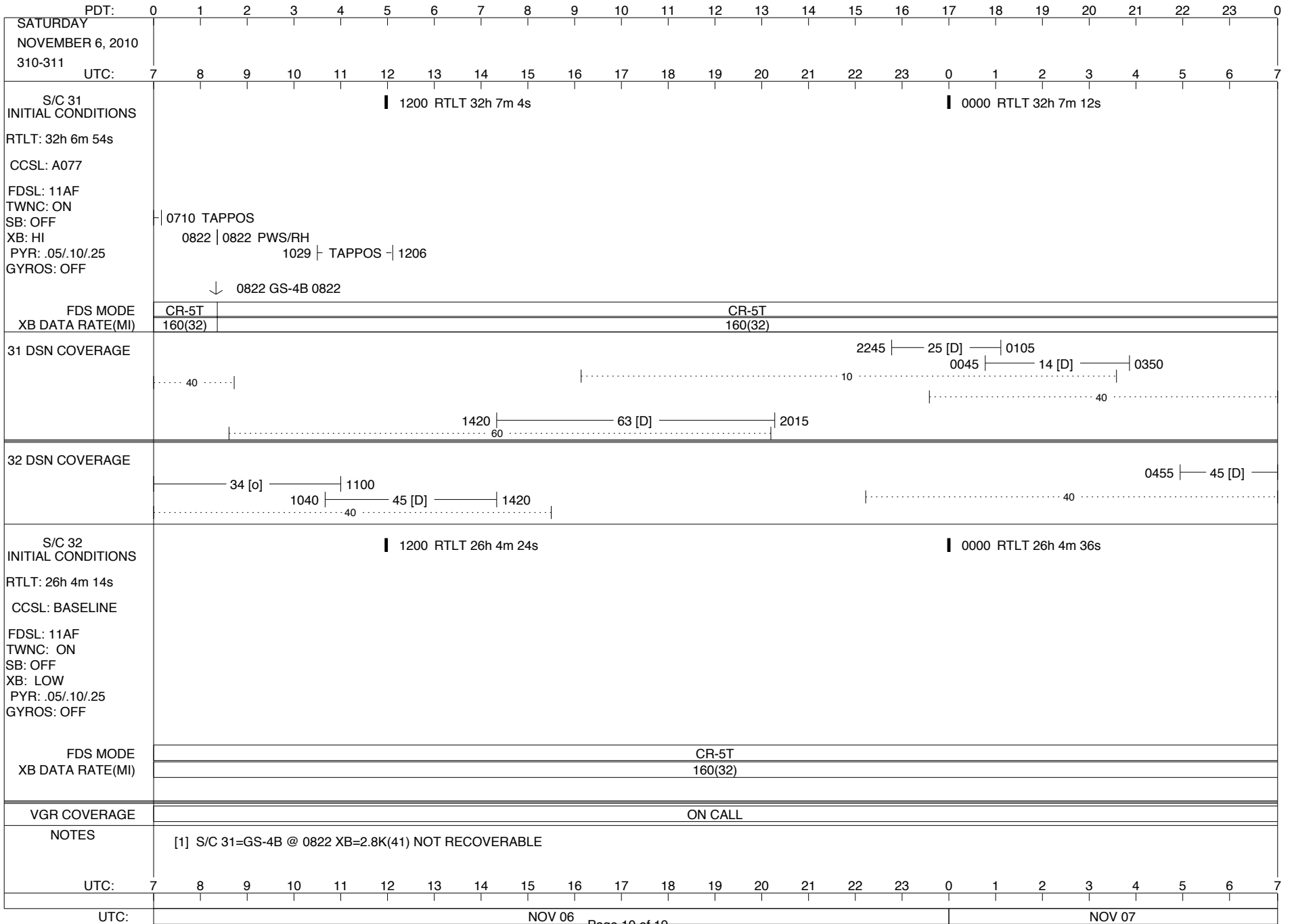
ISSUE DATE: 11/03/10 10:22



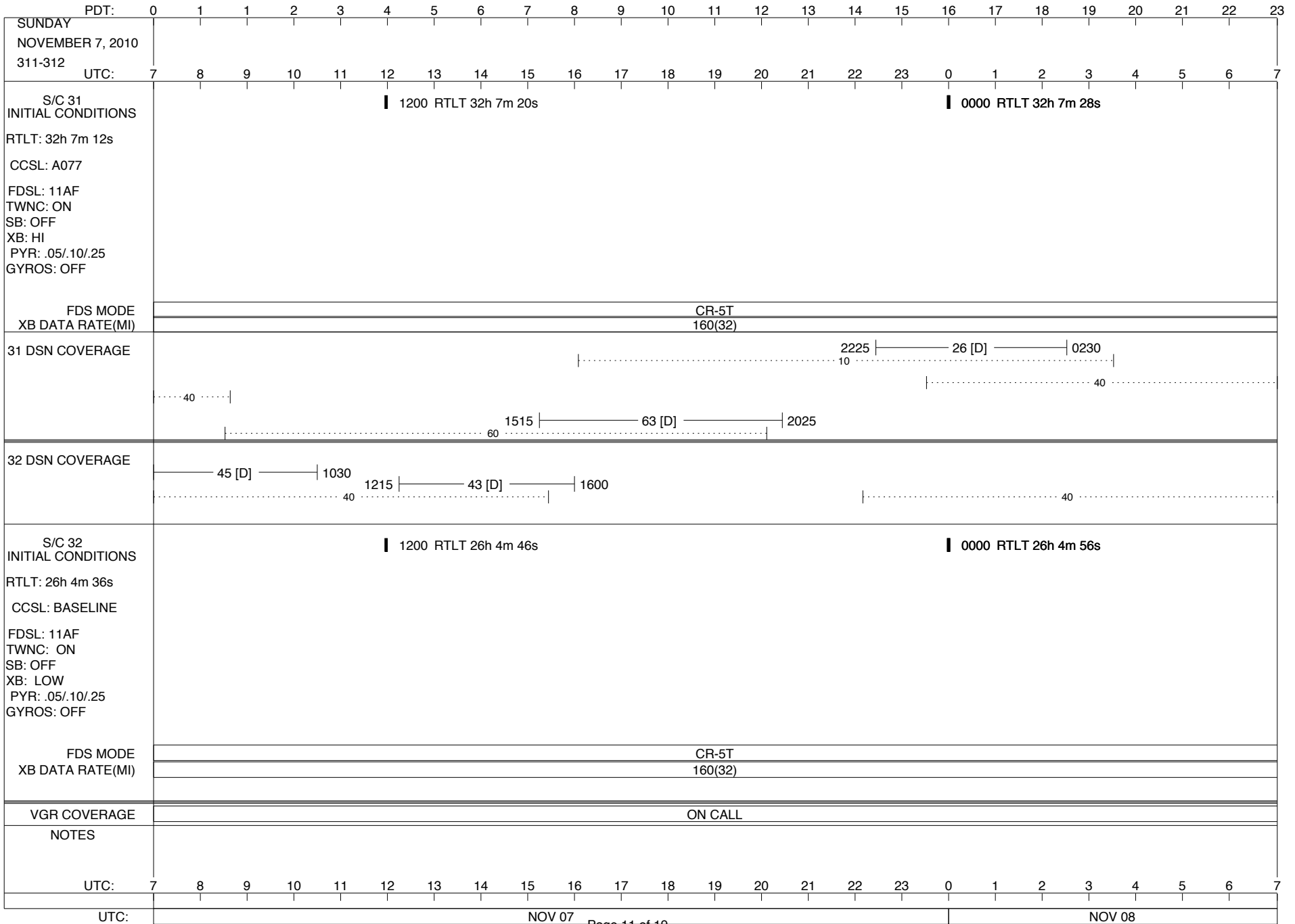
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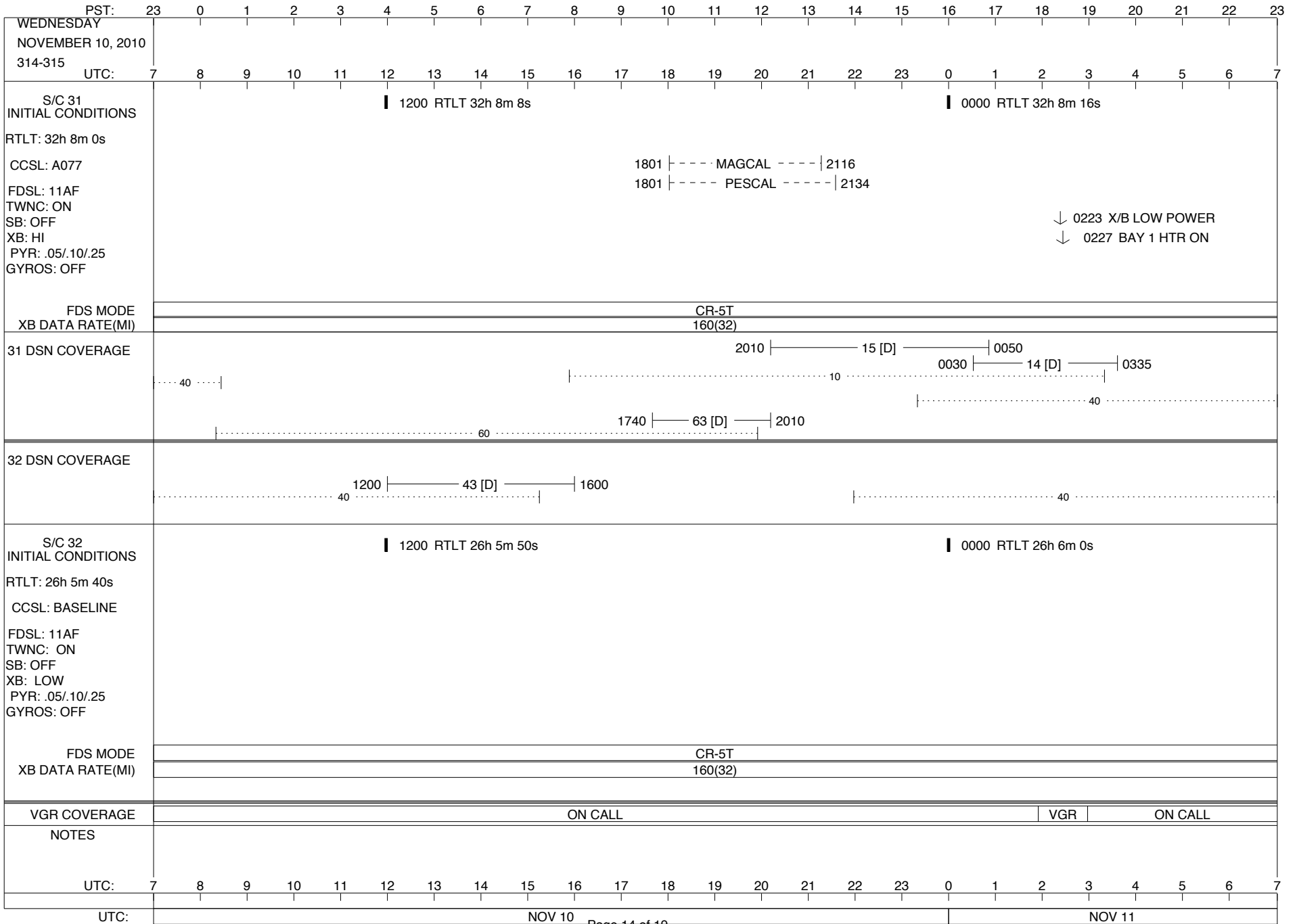
ISSUE DATE: 11/03/10 10:22

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MONDAY NOVEMBER 8, 2010 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 RTLT: 32h 7m 28s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLT 32h 7m 36s											0000 RTLT 32h 7m 44s														
FDS MODE	CR-5T											CR-5T														
XB DATA RATE(MI)	160(32)											160(32)														
31 DSN COVERAGE	1545   14 [T]   1745											2345   14 [D]   0345														
	40											40														
	60											10														
32 DSN COVERAGE	0850   34 [D]   1050											1050   43 [D]   1245														
	40											40														
S/C 32 INITIAL CONDITIONS RTLT: 26h 4m 56s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 5m 8s											0000 RTLT 26h 5m 18s														
FDS MODE	CR-5T											CR-5T														
XB DATA RATE(MI)	160(32)											160(32)														
VGR COVERAGE	ON CALL											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 08											NOV 09														

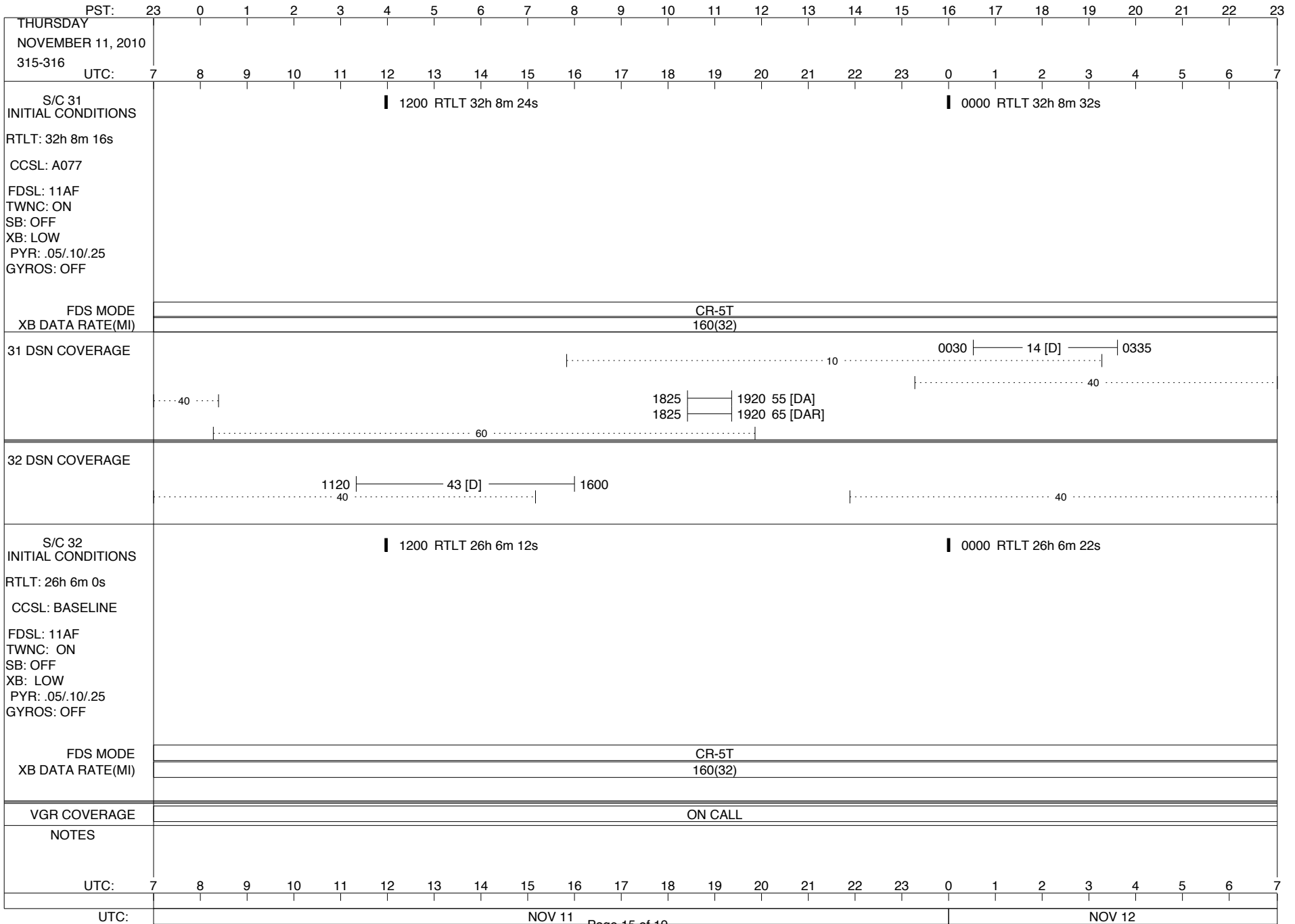
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TUESDAY NOVEMBER 9, 2010 313-314																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 32h 7m 44s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 32h 7m 52s											█ 0000 RTLTL 32h 8m 0s													
FDS MODE	CR-5T											CR-5T													
XB DATA RATE(MI)	160(32)											160(32)													
31 DSN COVERAGE	..... 40 .....											..... 40 .....													
	..... 60 .....											..... 40 .....													
	..... 40 .....											..... 40 .....													
32 DSN COVERAGE	..... 40 .....											..... 40 .....													
S/C 32 INITIAL CONDITIONS RTLTL: 26h 5m 18s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	█ 1200 RTLTL 26h 5m 28s											█ 0000 RTLTL 26h 5m 40s													
FDS MODE	CR-5T											CR-5T													
XB DATA RATE(MI)	160(32)											160(32)													
VGR COVERAGE	ON CALL											ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0158 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: 11/03/10 10:22



ISSUE DATE: 11/03/10 10:22





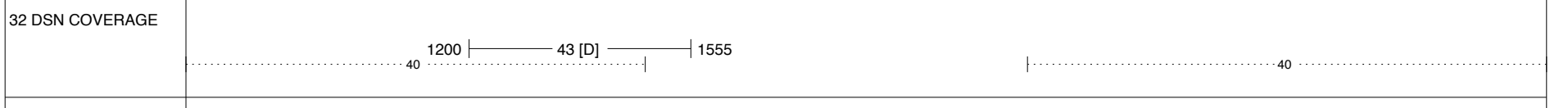
ISSUE DATE: 11/03/10 10:22

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 12, 2010  
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: 32h 8m 32s  
CCSL: A077  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF  
0456 - 0620 | TAPPOS |

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



S/C 32  
INITIAL CONDITIONS  
RTLT: 26h 6m 22s  
CCSL: BASELINE  
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

UTC: NOV 12 NOV 13

ISSUE DATE: 11/03/10 10:22

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
SATURDAY NOVEMBER 13, 2010 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 RTLTL: 32h 8m 48s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 8m 56s											0000 RTLT 32h 9m 4s													
0759   0759 PWS/RH 1006  -----  1116 TAPPOS ↓ 0758 GS-4B 0759																									
FDS MODE XB DATA RATE(MI)	CR-5T												CR-5T	160(32)											
31 DSN COVERAGE	..... 40 .....											..... 40 .....													
	..... 60 .....											1600  ----- 63 [D] -----  1940													
32 DSN COVERAGE	0850  --- 34 [D] ---  1030											1145  ----- 43 [D] -----  1545													
	..... 40 .....											..... 40 .....													
S/C 32 INITIAL CONDITIONS RTLTL: 26h 6m 42s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 26h 6m 52s											0000 RTLT 26h 7m 4s													
FDS MODE XB DATA RATE(MI)												CR-5T	160(32)												
VGR COVERAGE												ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0758 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 13											NOV 14													

ISSUE DATE: 11/03/10 10:22

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 14, 2010 318-319	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: 32h 9m 4s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 32h 9m 10s											0000 RTLT 32h 9m 18s														
FDS MODE XB DATA RATE(MI)												CR-5T 160(32)														
31 DSN COVERAGE	1520  ----- 14 [D] -----  1730											2215  ----- 14 [D] -----  0320														
	----- 40 -----											----- 40 -----														
	----- 60 -----																									
32 DSN COVERAGE	1120  ----- 43 [D] -----  1520																									
	----- 40 -----											----- 40 -----														
S/C 32 INITIAL CONDITIONS RTLTL: 26h 7m 4s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 26h 7m 14s											0000 RTLT 26h 7m 24s														
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 14														NOV 15											

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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 15, 2010 319-320		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: 32h 9m 18s CCSL: A077 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 32h 9m 26s																											
FDS MODE XB DATA RATE(MI)																	CR-5T 160(32)												
31 DSN COVERAGE		<p>... 40 ...  </p> <p>0805  ----- 63 [D] -----  1105</p> <p>..... 60 .....</p>																											
32 DSN COVERAGE		<p>..... 40 .....</p> <p>1145  ----- 43 [D] -----  1545</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 26h 7m 24s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 26h 7m 34s																											
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 15															NOV 16											