

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: October 10, 2012

For the Period: 10/11/12 to 10/29/12 (12-285 – 12-303)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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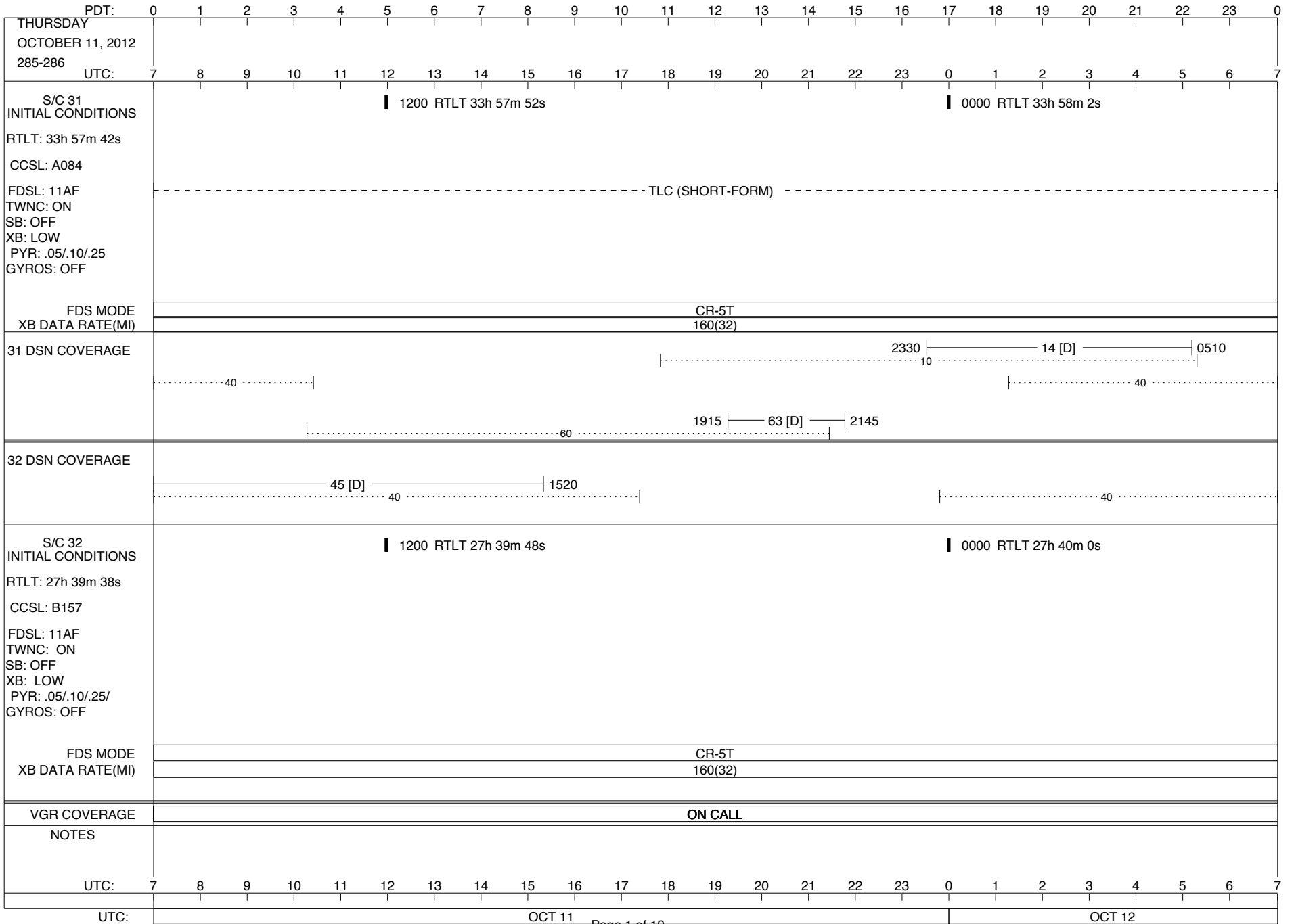
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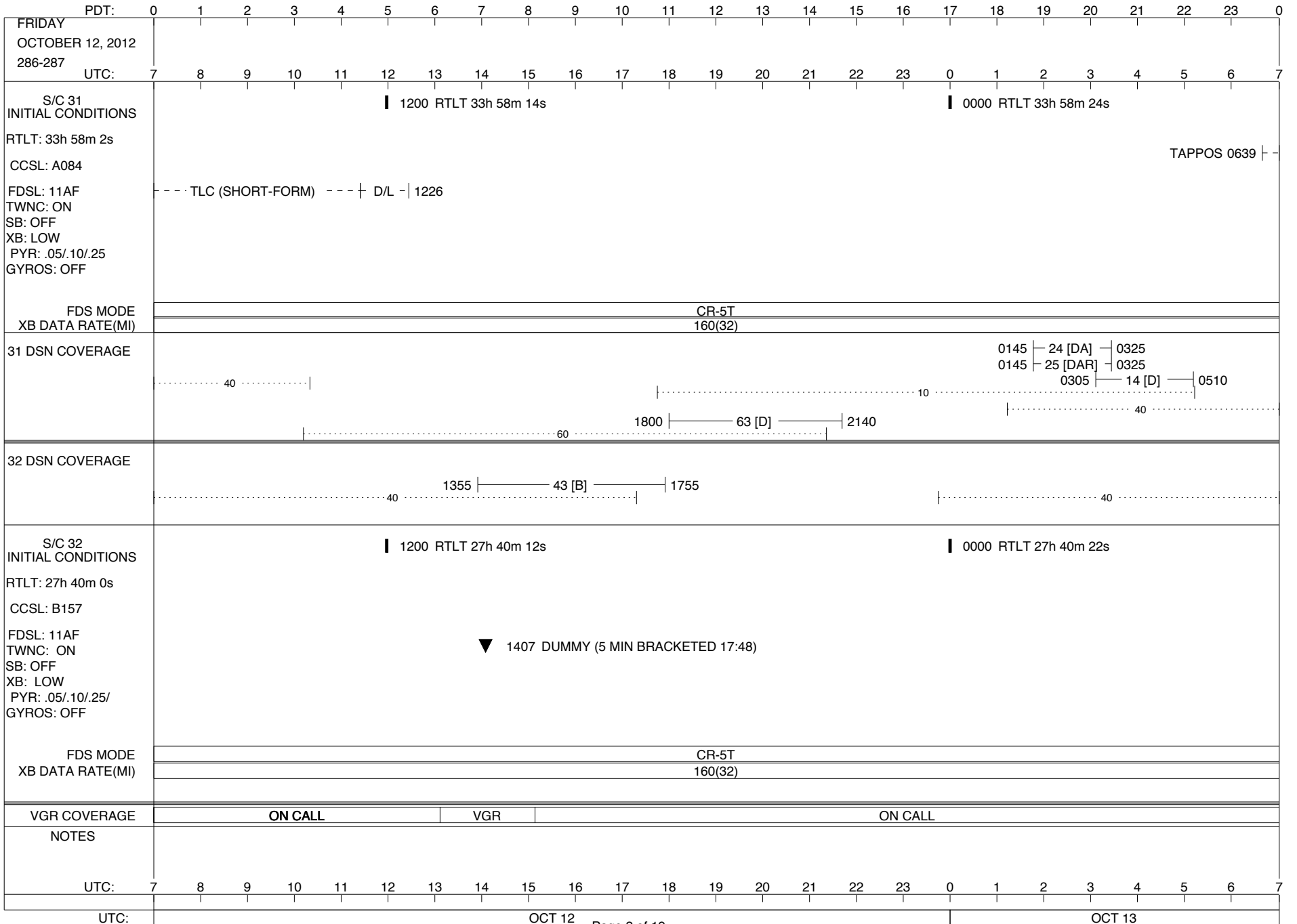
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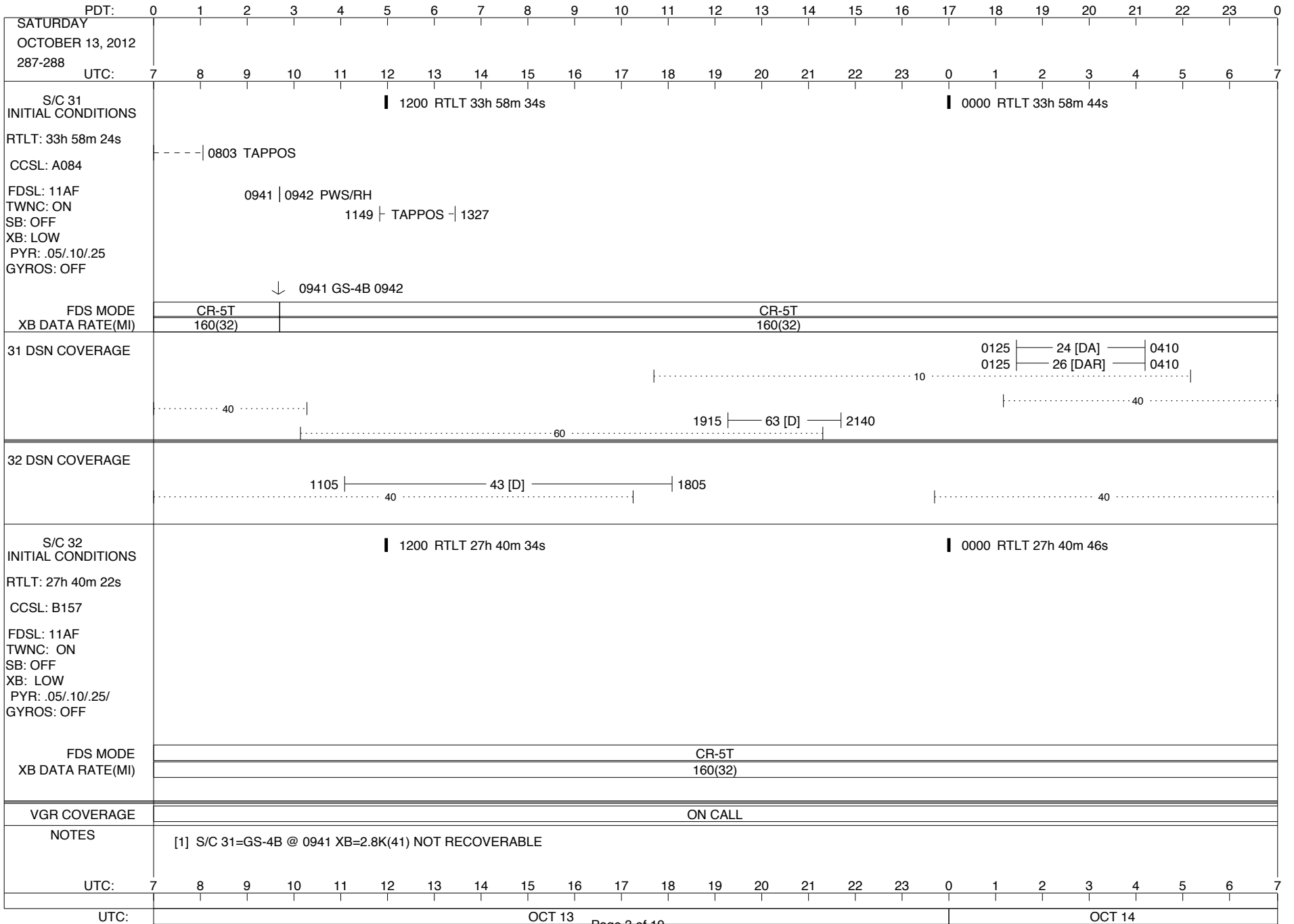
**LEGEND:** ∇ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = 7-Point BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna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

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

ISSUE DATE: 10/12/12 15:08







ISSUE DATE: 10/12/12 15:08

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 14, 2012 288-289																									
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S/C 31 INITIAL CONDITIONS RTLT: 33h 58m 44s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 58m 56s												0000 RTLT 33h 59m 6s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	.....40.....												.....40.....												
	.....60.....												.....40.....												
	.....1910   63 [D]   2135												.....0115   14 [D]   0500												
32 DSN COVERAGE	.....0835   45 [D]   1245												.....40.....												
S/C 32 INITIAL CONDITIONS RTLT: 27h 40m 46s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 40m 56s												0000 RTLT 27h 41m 8s												
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:	OCT 14												OCT 15												

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
MONDAY OCTOBER 15, 2012 289-290	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: 33h 59m 6s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 59m 16s												0000 RTLT 33h 59m 26s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	..... 40 .....												..... 40 .....												
	..... 60 .....												..... 40 .....												
	..... 1925   63 [T]   2130 .....												..... 0220   14 [D]   0455 .....												
32 DSN COVERAGE	..... 1240   43 [D]   1755 .....												..... 40 .....												
S/C 32 INITIAL CONDITIONS RTLT: 27h 41m 8s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 41m 20s												0000 RTLT 27h 41m 32s 0108   ----- COMMAND MORATORIUM -----												
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:	OCT 15												Page 5 of 19						OCT 16						

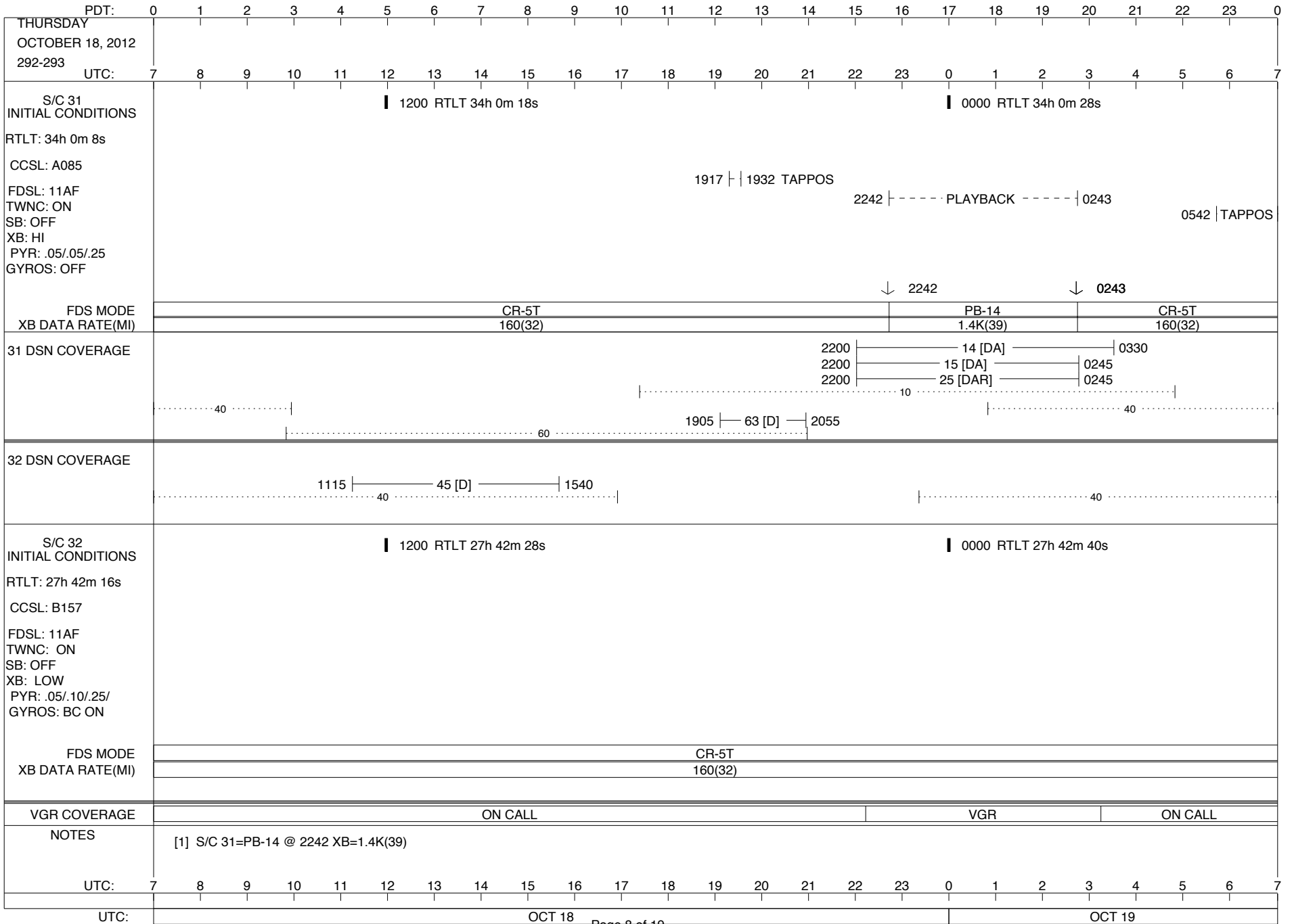
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TUESDAY OCTOBER 16, 2012 290-291																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS	1200 RTLT 33h 59m 38s												0000 RTLT 33h 59m 48s															
RTLT: 33h 59m 26s																												
CCSL: A085																												
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	----- TLC (SHORT-FORM) -----																											
	0318   0319 PWS/RH																											
	↓ 0318 GS-4B 0319																											
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	..... 40 .....   ..... 0220   14 [D]   0450 ..... ..... 40 .....   ..... 1910   63 [D]   2130 ..... ..... 60 .....   ..... 40 .....																											
32 DSN COVERAGE	1015   43 [D]   1230 ..... 0415   43 [D]   ..... 1210   45 [D]   1550 ..... 40 .....																											
S/C 32 INITIAL CONDITIONS	1200 RTLT 27h 41m 42s												0000 RTLT 27h 41m 54s															
RTLT: 27h 41m 32s																												
CCSL: B157																												
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	----- COMMAND MORATORIUM -----																											
	GYROS BC ON 0419 ↓ GYRO INIT 0420 ↓ GYRO FAULT TEST 0429 ↓ 0443 - 0626   PLSCAL -   0443   - MAGCAL - - 0443   - PESCAL - -																											
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL																				VGR				ON CALL			
NOTES	[1] S/C 31=GS-4B @ 0318 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 16														OCT 17													

ISSUE DATE: 10/12/12 15:08

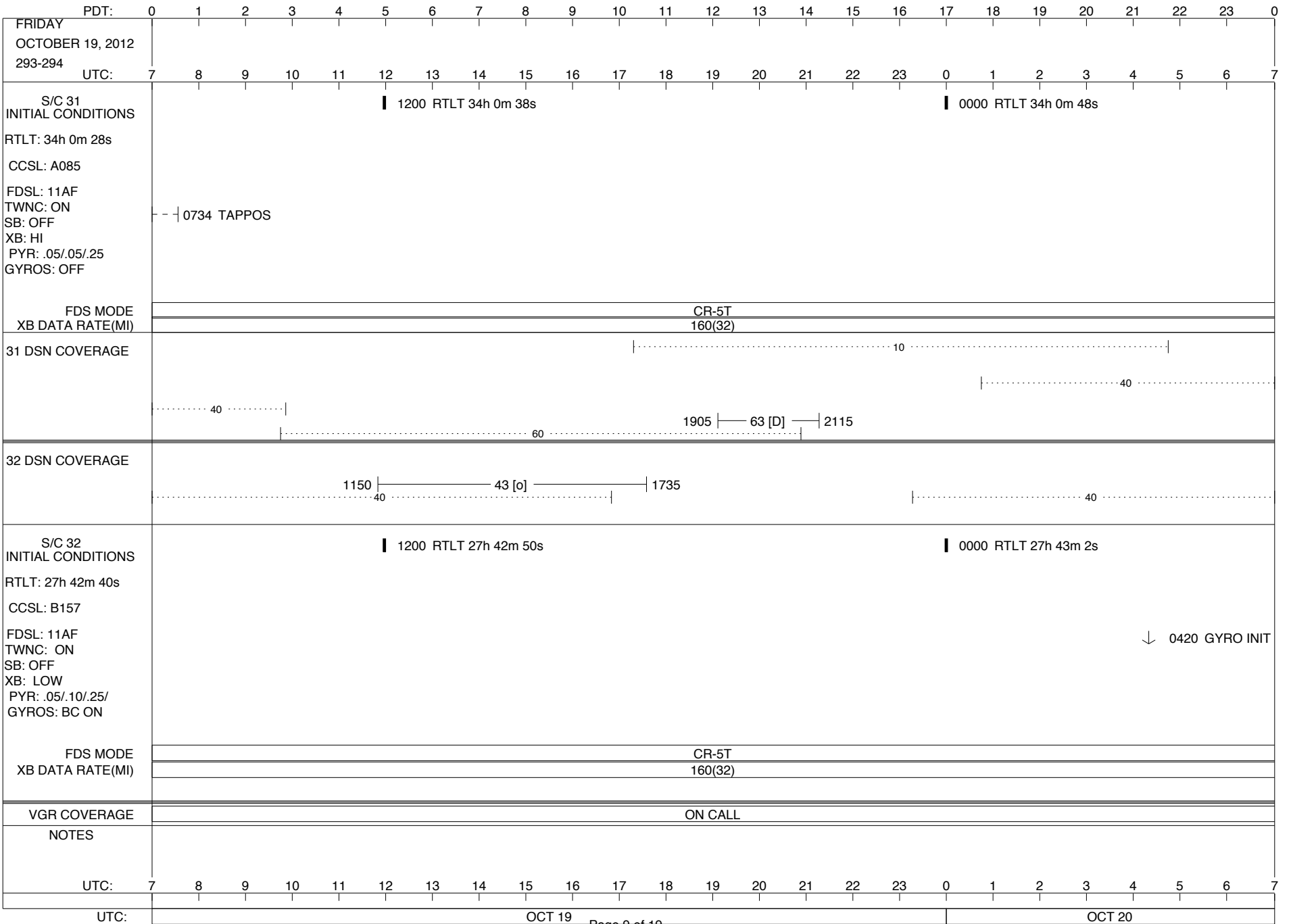
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WEDNESDAY		OCTOBER 17, 2012																											
291-292		UTC:																											
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 33h 59m 48s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 33h 59m 58s														0000 RTLT 34h 0m 8s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)										PB-14 1.4K(39)							CR-5T 160(32)										
31 DSN COVERAGE		<p>2200  ----- 14 [DA] -----  0330</p> <p>2200  ----- 15 [DAR] -----  0245</p> <p>2200  ----- 25 [DA] -----  0245</p> <p>40  ----- </p> <p>1900  ----- 63 [D] -----  2100</p> <p>60  ----- </p> <p>40  ----- </p>																											
32 DSN COVERAGE		<p>43 [D]  ----- 0830 1010  ----- 45 [D] -----  1545</p> <p>40  ----- </p> <p>40  ----- </p>																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 41m 54s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25/ GYROS: BC ON		1200 RTLT 27h 42m 6s														0000 RTLT 27h 42m 16s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														COMMAND MORATORIUM -----  0037													
VGR COVERAGE		ON CALL														VGR							ON CALL						
NOTES		[1] S/C 31=PB-14 @ 2242 XB=1.4K(39)																											
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 17														OCT 18													



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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 OCTOBER 20, 2012 294-295	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:	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: 34h 0m 48s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.05/.25 GYROS: OFF	1200 RTLT 34h 0m 58s												0000 RTLT 34h 1m 8s														
FDS MODE	CR-5T																										
XB DATA RATE(MI)	160(32)																										
31 DSN COVERAGE	.....  40 .....												.....  2245  -----  14 [D] -----  0245 .....														
	.....  1820  -----  63 [D] -----  2110 .....												.....  40 .....														
32 DSN COVERAGE	.....  1225  -----  43 [o] -----  1740 .....												.....  40 .....														
S/C 32 INITIAL CONDITIONS RTLTL: 27h 43m 2s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLT 27h 43m 14s												0000 RTLT 27h 43m 24s														
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:	OCT 20														OCT 21												

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 21, 2012 295-296																									
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: 34h 1m 8s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.05/.25 GYROS: OFF	1200 RTLTL 34h 1m 18s												0000 RTLTL 34h 1m 28s												
FDS MODE	CR-5T												U/L 0200   -   - - - TLC (SHORT-FORM) - - -												
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	.....40.....												.....10.....  0130  -----14 [T]-----  0435												
	.....60.....												.....40.....												
	.....												.....1900  -----63 [D]-----  2110												
32 DSN COVERAGE	.....40.....												.....40.....												
	.....1335  -----43 [D]-----  1735																								
S/C 32 INITIAL CONDITIONS RTLTL: 27h 43m 24s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLTL 27h 43m 36s												0000 RTLTL 27h 43m 48s												
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:	OCT 21												OCT 22												

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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				
MONDAY OCTOBER 22, 2012 296-297				
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	<p>1200 RTLT 34h 1m 38s   0000 RTLT 34h 1m 48s</p> <p>RTLT: 34h 1m 28s</p> <p>CCSL: A085</p> <p>FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.05/.25 GYROS: OFF</p> <p>----- TLC (SHORT-FORM) -----</p>			
FDS MODE	CR-5T			
XB DATA RATE(MI)	160(32)			
31 DSN COVERAGE	<p>..... 40 .....   ..... 10 .....   0130   14 [D]   0430</p> <p>..... 60 .....</p>			
32 DSN COVERAGE	<p>1115   43 [D]   1515</p> <p>..... 40 .....</p>			
S/C 32 INITIAL CONDITIONS	<p>1200 RTLT 27h 43m 58s   0000 RTLT 27h 44m 10s</p> <p>RTLT: 27h 43m 48s</p> <p>CCSL: B157</p> <p>FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON</p> <p>▼ 1437 DUMMY (5 MIN BRACKETED 18:21)   ↓ 0420 GYRO INIT</p> <p>0052   ----- COMMAND MORATORIUM -----</p>			
FDS MODE	CR-5T			
XB DATA RATE(MI)	160(32)			
VGR COVERAGE	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">ON CALL</td> <td style="text-align: center;">VGR</td> <td style="text-align: center;">ON CALL</td> </tr> </table>	ON CALL	VGR	ON CALL
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 22   OCT 23				

ISSUE DATE: 10/12/12 15:08

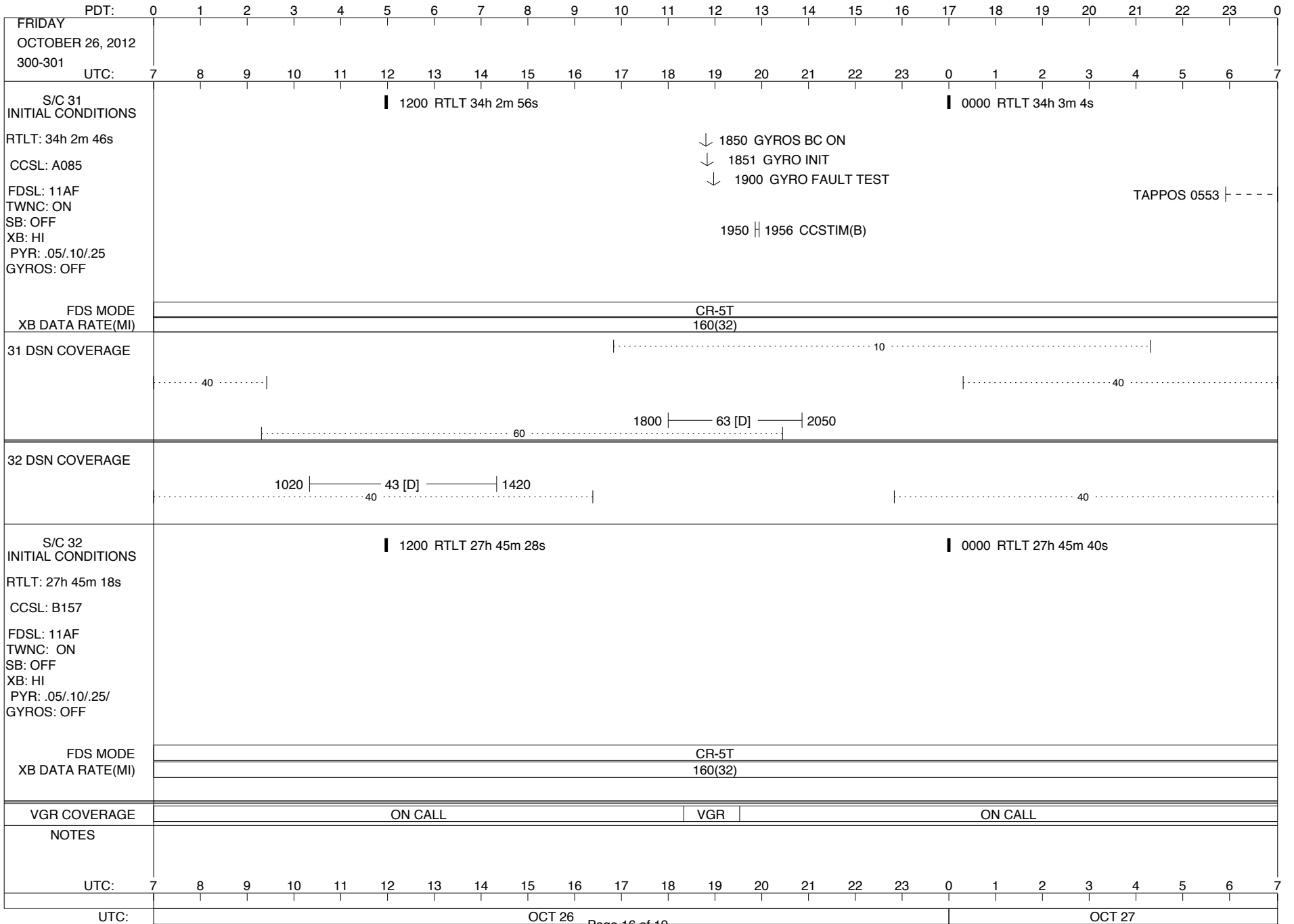
PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0	
TUESDAY OCTOBER 23, 2012 297-298	
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7	
S/C 31 INITIAL CONDITIONS RTLT: 34h 1m 48s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.05/.25 GYROS: OFF	1200 RTLT 34h 1m 58s   0000 RTLT 34h 2m 8s  --- TLC (SHORT-FORM) ---   1128 D/L  0255   0256 PWS/RH  ↓ 0255 GS-4B 0256
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	0140   14 [D]   0425 ..... 40 .....   ..... 40 .....  ..... 60 .....   1900   63 [D]   2100
32 DSN COVERAGE	1025   43 [D]   1435 ..... 40 .....   ..... 40 .....  0355   43 [D]
S/C 32 INITIAL CONDITIONS RTLT: 27h 44m 10s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: BC ON	1200 RTLT 27h 44m 22s ----- COMMAND MORATORIUM -----   0000 RTLT 27h 44m 32s  TEMP CRS CMD WORD UPD 0403 ↓ BAY 1 HTR OFF 0407 ↓ X/B HI POWER 0411 ↓ AAI 0430 ↓ 0433   --- MAGROL ---
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
VGR COVERAGE	ON CALL
NOTES	[1] S/C 31=GS-4B @ 0255 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32 D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (0433-1028)
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   OCT 24	

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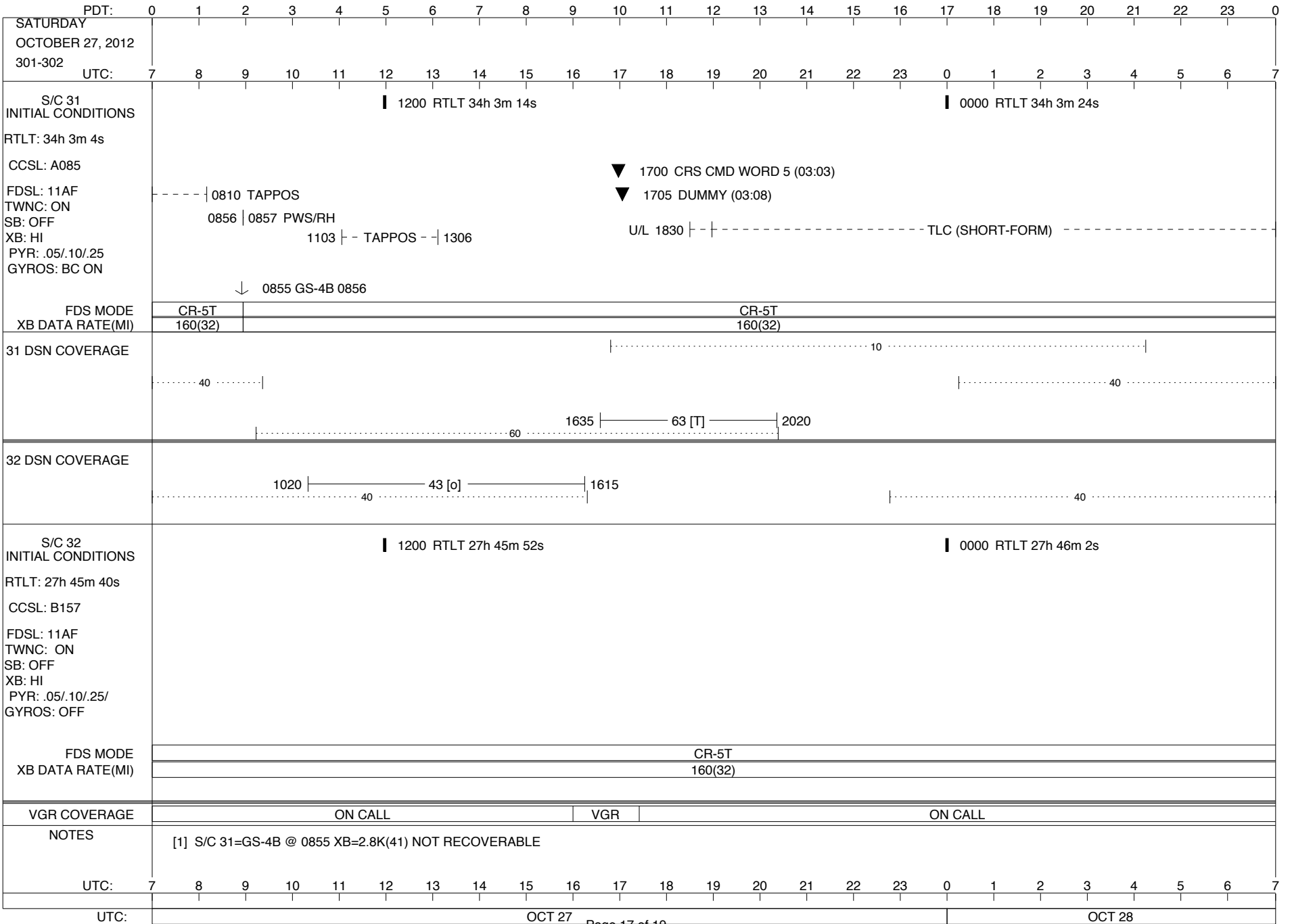
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
WEDNESDAY																									
OCTOBER 24, 2012																									
298-299																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS	1200 RTLT 34h 2m 16s												0000 RTLT 34h 2m 26s												
RTLTL: 34h 2m 8s													1648  -----  1759 TAPPOS												
CCSL: A085													↓ 1932 YAW=.05												
FDSL: 11AF													1941  -----  PLAYBACK -----  0216												
TWNC: ON													↓ 0231 YAW=.10												
SB: OFF													↓ 1941												
XB: HI													↓ 0216												
PYR: .05/.05/.25																									
GYROS: OFF																									
FDS MODE	CR-5T						PB-14						CR-5T												
XB DATA RATE(MI)	160(32)						1.4K(39)						160(32)												
31 DSN COVERAGE	40  -----  60  -----  40  -----  1820  -----  15 [DAR] -----  0220 1820  -----  24 [DA] -----  0220 1910  -----  14 [DA] -----  0220 10  -----																								
32 DSN COVERAGE	43 [D] -----  1125 40  -----  40  -----																								
S/C 32 INITIAL CONDITIONS	1200 RTLT 27h 44m 44s												0000 RTLT 27h 44m 56s												
RTLTL: 27h 44m 32s													----- COMMAND MORATORIUM ----- 0644												
CCSL: B157																									
FDSL: 11AF																									
TWNC: ON													----- MAGROL -----  1029												
SB: OFF													↓ 1022 RAI												
XB: HI													↓ 1029 GYROS OFF												
PYR: .05/.10/.25/													↓ 1029 CRU												
GYROS: BC ON													↓ 1041 RESTORE CRS CMD WORDS												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	VGR						ON CALL						VGR						ON CALL						
NOTES	[1] S/C 31=PB-14 @ 1941 XB=1.4K(39) [2] S/C 31=CR-5T @ 0216 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:	OCT 24												OCT 25												

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			
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THURSDAY OCTOBER 25, 2012 299-300																												
S/C 31 INITIAL CONDITIONS RTLT: 34h 2m 26s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 2m 36s												0000 RTLT 34h 2m 46s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLT: 27h 44m 56s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 45m 6s												0000 RTLT 27h 45m 18s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE	ON CALL							VGR							ON CALL													
NOTES	<p>↓ 1237 CLT = 36 WEEKS</p> <p>1251   -   1316 DMRO</p> <p>1351   -   1416 DMRO</p> <p>1451   -   1516 DMRO</p> <p>1551   -   1616 DMRO</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:	OCT 25														OCT 26													





ISSUE DATE: 10/12/12 15:08



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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 28, 2012 302-303																									
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: 34h 3m 24s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 34h 3m 32s												0000 RTLT 34h 3m 42s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....40.....												.....40.....												
	.....60.....												.....60.....												
	.....1855   63 [D]   2035.....												.....1855   63 [D]   2035.....												
32 DSN COVERAGE	.....1145   43 [D]   1610.....												.....1145   43 [D]   1610.....												
	.....40.....												.....40.....												
	.....0055   34 [D]   0325.....												.....0055   34 [D]   0325.....												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 46m 2s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 27h 46m 14s												0000 RTLT 27h 46m 24s												
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:	OCT 28												OCT 29												

ISSUE DATE: 10/12/12 15:08

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	
MONDAY OCTOBER 29, 2012 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: 34h 3m 42s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON <div style="text-align: center;"> <p>1200 RTLT 34h 3m 52s</p> </div>	
FDS MODE	
XB DATA RATE(MI)	
31 DSN COVERAGE	
<div style="text-align: center;"> <p>40 60</p> </div>	
32 DSN COVERAGE	
<div style="text-align: center;"> <p>0955 43 [D] 1250 40</p> </div>	
S/C 32 INITIAL CONDITIONS RTLT: 27h 46m 24s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF <div style="text-align: center;"> <p>1200 RTLT 27h 46m 36s</p> </div>	
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: OCT 29 Page 19 of 19 OCT 30	