

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 19, 2012

For the Period: 12/20/12 to 01/14/13 (12-355 – 13-014)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (14) 600-100

DSOT (1) 230-102

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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

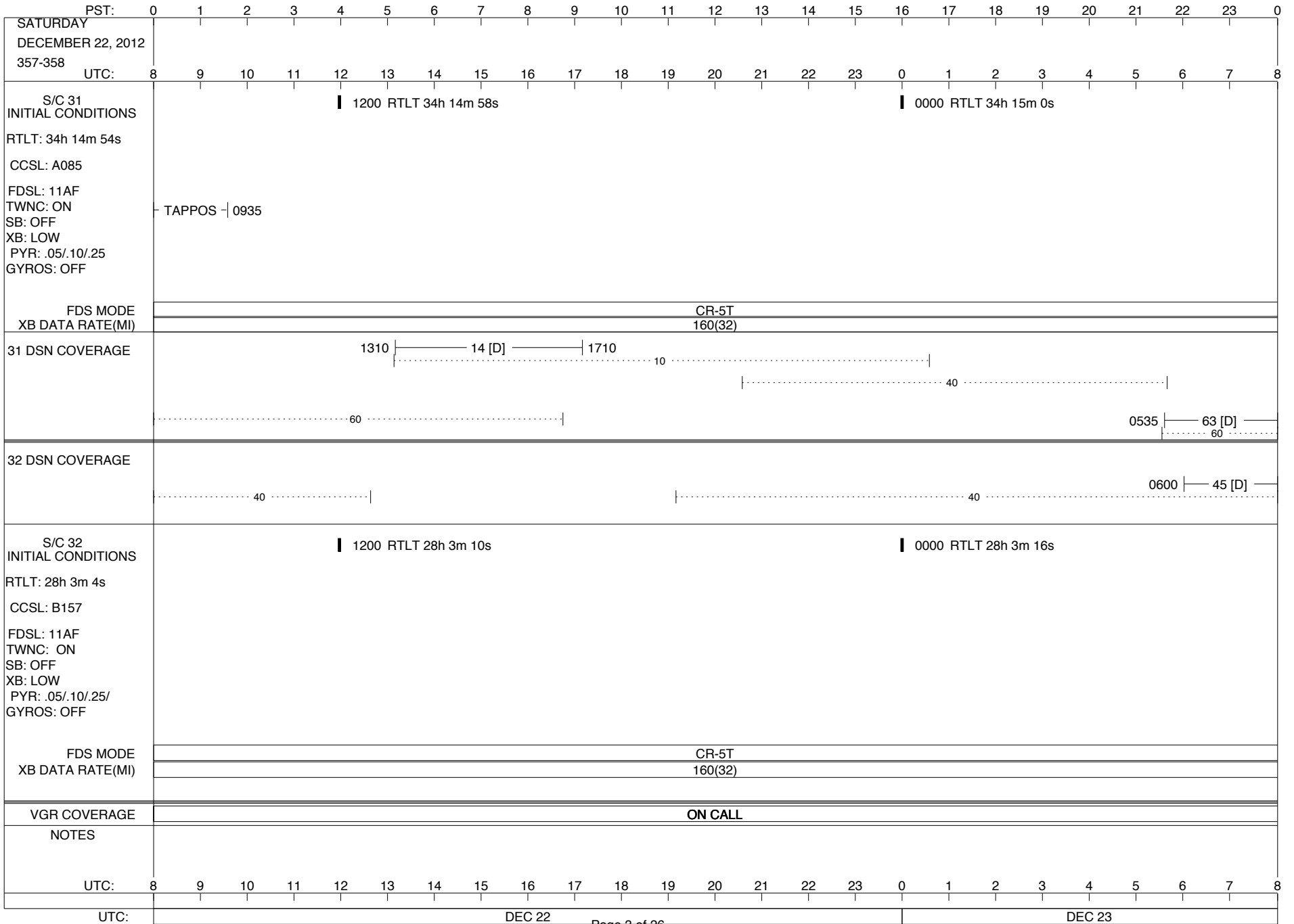
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S/C 31 INITIAL CONDITIONS RTLT: 34h 14m 42s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 34h 14m 46s												█ 0000 RTLT 34h 14m 48s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	1415 15 [DAR] 1615 1415 26 [DA] 1615 10 40 60 0540 63 [D] 60													
32 DSN COVERAGE	0950 45 [D] 1110 40												2130 45 [D] 0515 40													
S/C 32 INITIAL CONDITIONS RTLT: 28h 2m 36s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 28h 2m 44s												█ 0000 RTLT 28h 2m 50s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
UTC:	DEC 20													DEC 21												

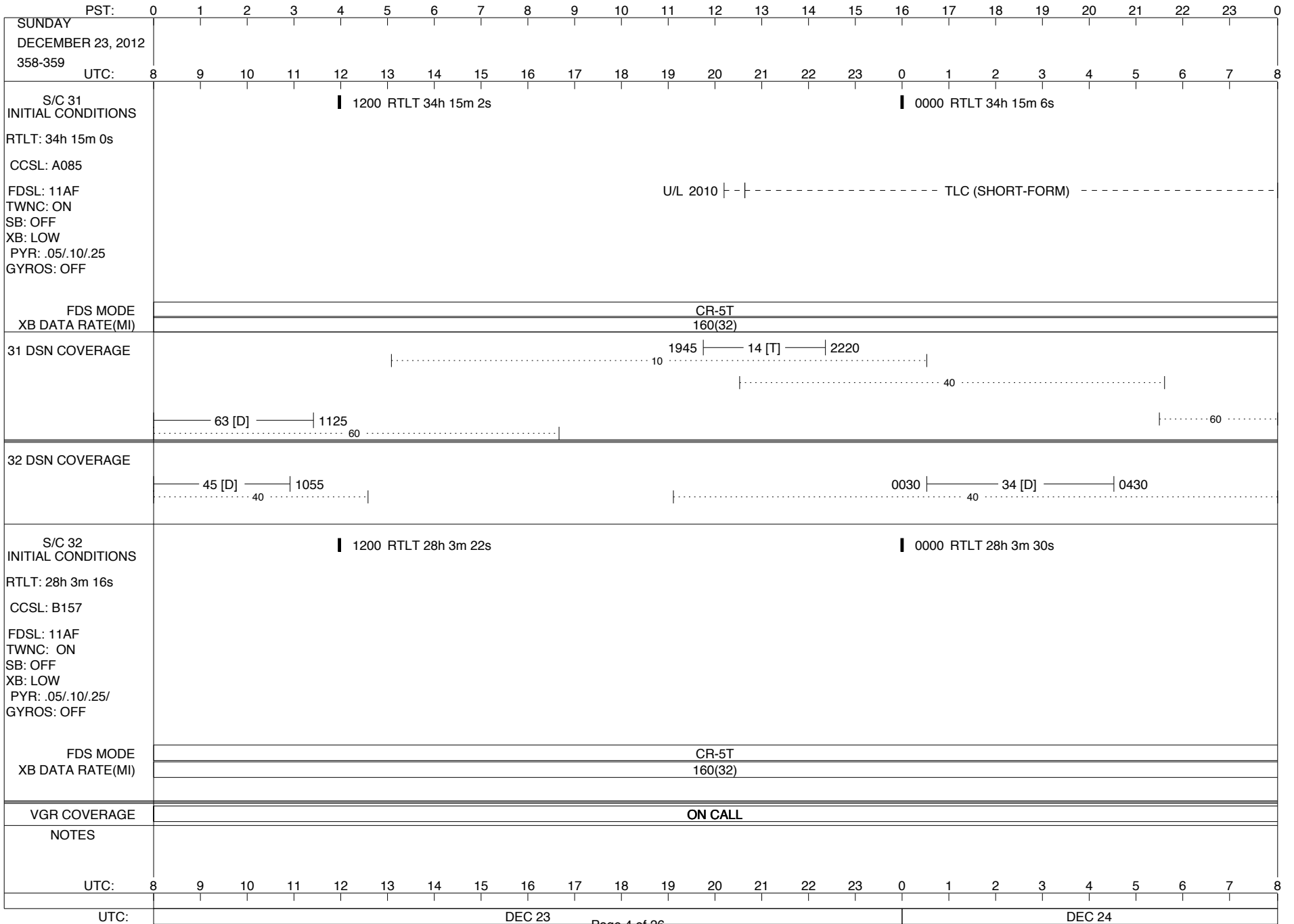
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S/C 31 INITIAL CONDITIONS RTLT: 34h 14m 48s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 14m 52s												0000 RTLT 34h 14m 54s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	----- 10 -----												----- 40 -----												
	----- 63 [D] ----- 1040												----- 60 -----												
32 DSN COVERAGE	----- 34 [D] ----- 0835 - 1105												2255 ----- 34 [D] ----- 0225												
S/C 32 INITIAL CONDITIONS RTLT: 28h 2m 50s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 2m 56s												0000 RTLT 28h 3m 4s												
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 @ 0549 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	DEC 21												DEC 22												

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PST:	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 DECEMBER 24, 2012 359-360																										
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S/C 31 INITIAL CONDITIONS RTLTL: 34h 15m 6s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 34h 15m 8s												█ 0000 RTLTL 34h 15m 12s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1300 ----- 14 [D] ----- 1710												10 ----- 40 -----													
	60												0530 ----- 63 [D] -----													
													60													
32 DSN COVERAGE	40												40 ----- 45 [D] -----													
S/C 32 INITIAL CONDITIONS RTLTL: 28h 3m 30s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 28h 3m 36s												█ 0000 RTLTL 28h 3m 42s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	JPL HOLIDAY!																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
UTC:	DEC 24												DEC 25													

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TUESDAY DECEMBER 25, 2012 360-361		PST: 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
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8		
S/C 31 INITIAL CONDITIONS RTLT: 34h 15m 12s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF FDS MODE XB DATA RATE(MI)	1200 RTLT 34h 15m 14s 2325 2326 PWS/RH ↓ 2325 GS-4B 2326	
	CR-5T 160(32)	CR-5T 160(32)
	31 DSN COVERAGE 1300 14 [D] 1615 40 63 [D] 1130 60 0520 63 [D] 60 60	
	32 DSN COVERAGE 45 [D] 1050 40 2235 34 [D] 0235 40	
S/C 32 INITIAL CONDITIONS RTLT: 28h 3m 42s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF FDS MODE XB DATA RATE(MI)	1200 RTLT 28h 3m 48s 0000 RTLT 28h 3m 54s	
	CR-5T 160(32)	
	VGR COVERAGE ON CALL	
	NOTES [1] S/C 31=GS-4B @ 2325 XB=2.8K(41) NOT RECOVERABLE JPL HOLIDAY!	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8		
UTC: DEC 25		DEC 26

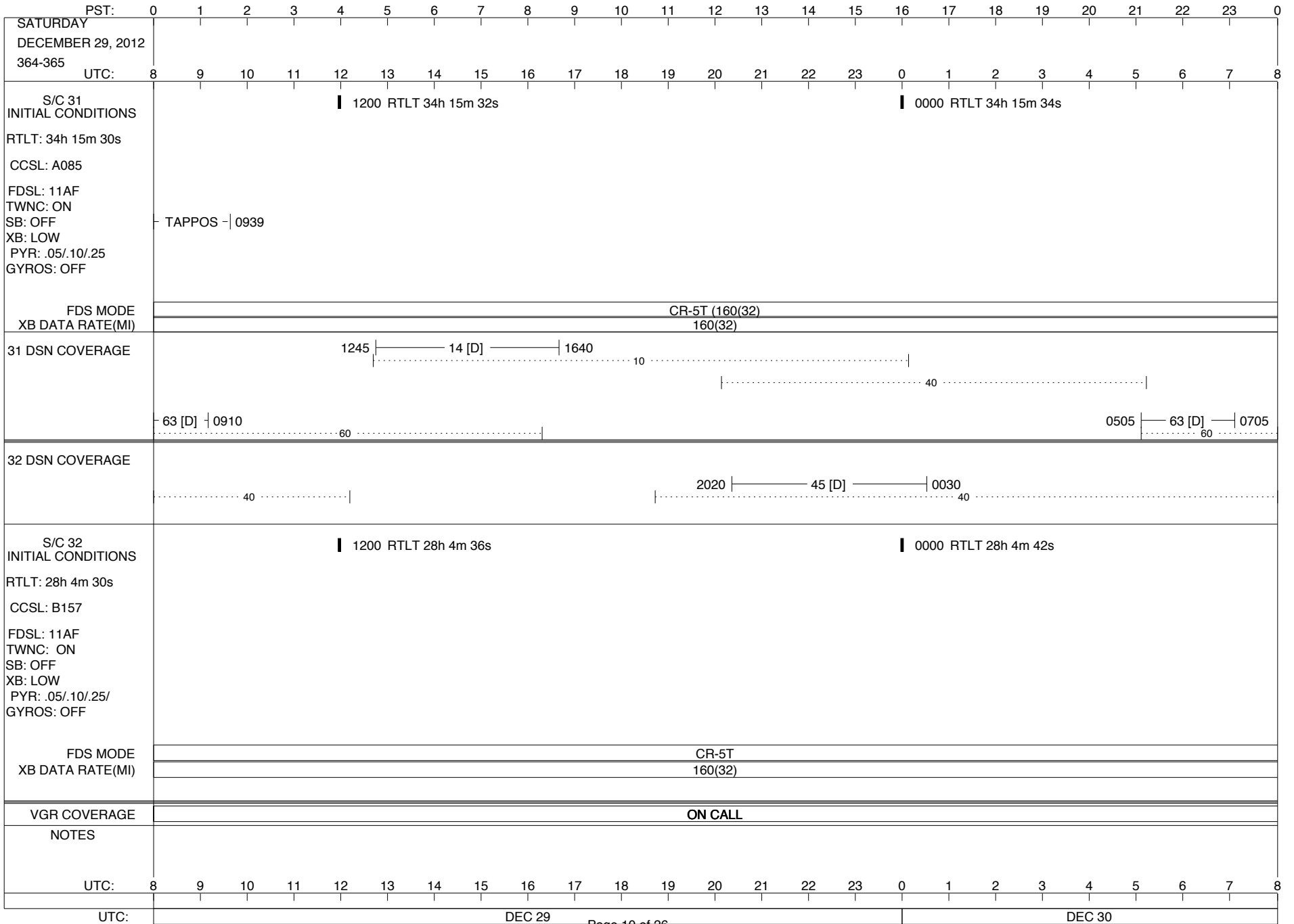
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THURSDAY DECEMBER 27, 2012 362-363																												
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S/C 31 INITIAL CONDITIONS RTLTL: 34h 15m 22s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																						█ 0000	
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE					1250							14 [D]		1545														
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 4m 6s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF					█ 1200																							█ 0000
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
VGR COVERAGE													ON CALL															
NOTES	JPL HOLIDAY!																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
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ISSUE DATE: 12/19/12 18:07

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FRIDAY DECEMBER 28, 2012 363-364	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 34h 15m 26s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 15m 28s												0000 RTLT 34h 15m 30s												
FDS MODE	CR-5T												CR-5T (160(32))												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1245 ----- 14 [D] ----- 1545												10 ----- 40 -----												
	63 [D] --- 0950												0510 ----- 63 [D] -----												
	60												60												
32 DSN COVERAGE	40												2025 ----- 45 [D] ----- 0025												
	40												40												
S/C 32 INITIAL CONDITIONS RTLT: 28h 4m 18s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 4m 24s												0000 RTLT 28h 4m 30s												
FDS MODE	CR-5T												CR-5T (160(32))												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0525 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	DEC 28												DEC 29												

ISSUE DATE: 12/19/12 18:07



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SUNDAY DECEMBER 30, 2012 365-366	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 34h 15m 34s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 15m 36s												0000 RTLT 34h 15m 38s												
FDS MODE XB DATA RATE(MI)	CR-5T (160(32))												160(32)												
31 DSN COVERAGE	1240 ----- 14 [D] ----- 1640												10 40												
	60												0600 - 0750 --- 65 [DA] --- 0600 - 0750 --- 55 [DAR] --- 60												
32 DSN COVERAGE	2015 ----- 45 ----- 0005												40 40												
S/C 32 INITIAL CONDITIONS RTLT: 28h 4m 42s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 4m 48s												0000 RTLT 28h 4m 52s												
FDS MODE XB DATA RATE(MI)	CR-5T												160(32)												
VGR COVERAGE	ON CALL																								
NOTES																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	DEC 30												DEC 31												

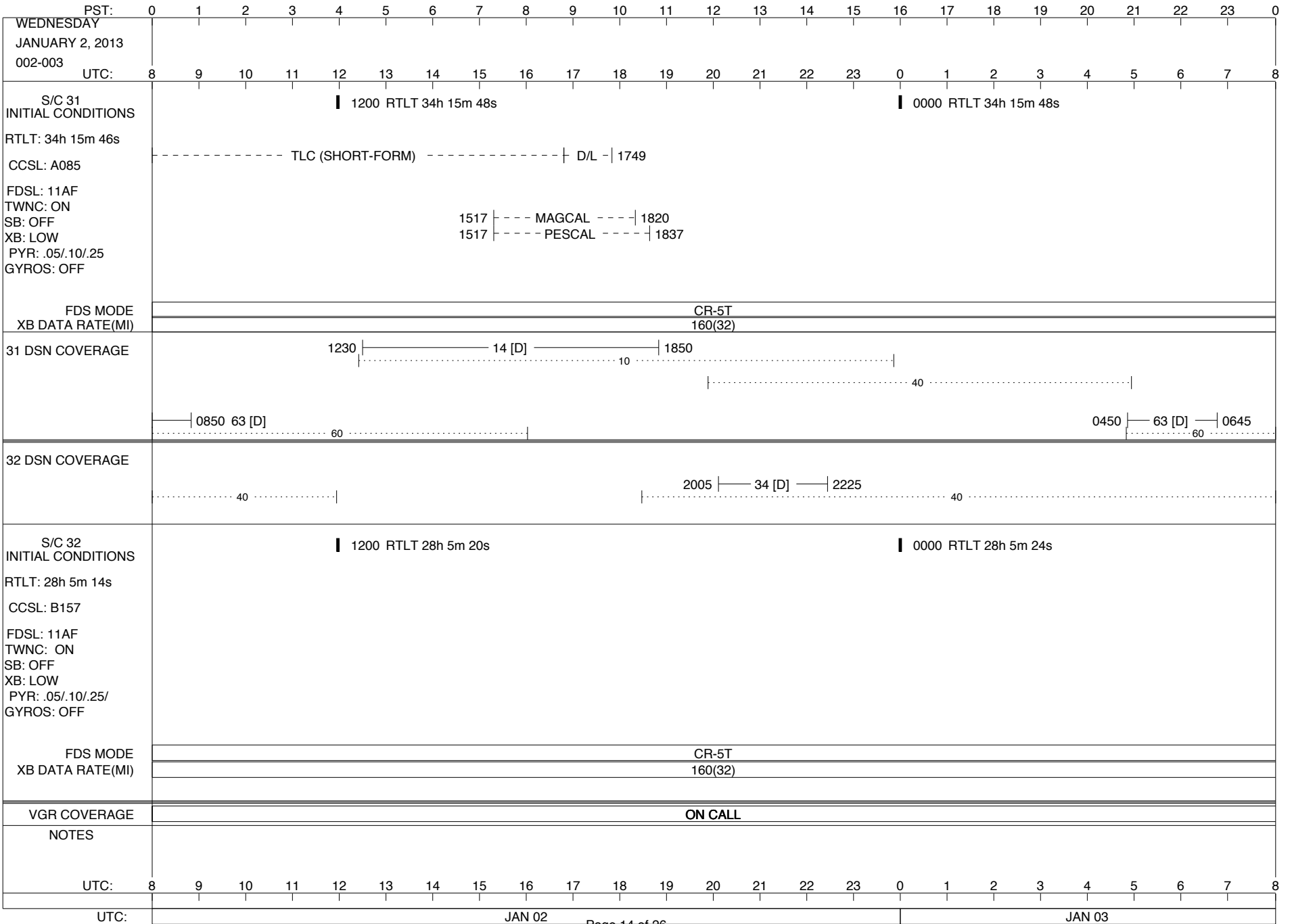
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MONDAY DECEMBER 31, 2012 366-001	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 34h 15m 38s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 15m 40s												0000 RTLT 34h 15m 42s												
FDS MODE XB DATA RATE(MI)	CR-5T (160(32)) 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1235 ----- 14 [D] ----- 1635 ----- 10 ----- ----- 40 -----												0515 ----- 63 [T] ----- ----- 60 -----												
32 DSN COVERAGE	40 -----												----- 40 ----- 0620 ----- 45 [D] -----												
S/C 32 INITIAL CONDITIONS RTLT: 28h 4m 52s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 4m 58s												0000 RTLT 28h 5m 4s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	JPL HOLIDAY!																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	DEC 31												JAN 01												

ISSUE DATE: 12/19/12 18:07

TUESDAY JANUARY 1, 2013 001-002		PST: 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	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8			
S/C 31 INITIAL CONDITIONS RTLTL: 34h 15m 42s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="display: flex; justify-content: space-between;"> █ 1200 RTLTL 34h 15m 44s █ 0000 RTLTL 34h 15m 46s </div> <p style="text-align: center;">----- TLC (SHORT-FORM) -----</p> <div style="display: flex; justify-content: space-between;"> 2302 2302 PWS/RH 2314 ----- DTR MAINT ----- 0438 </div> <div style="display: flex; justify-content: flex-end; margin-right: 50px;"> 0442 - 0717 --- TAPPOS --- </div> <div style="text-align: center; margin-top: 10px;"> ↓ 2302 GS-4B 2302 </div>		
FDS MODE XB DATA RATE(MI)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> </tr> </table>	CR-5T 160(32)	CR-5T 160(32)
CR-5T 160(32)	CR-5T 160(32)		
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>1230 ----- 14 [D] ----- 1905</p> <p>..... ----- 10 ----- </p> <p>..... ----- 40 ----- </p> </div> <div style="width: 45%;"> <p>0825 63 [T] ----- 60 ----- </p> <p>..... ----- 63 [D] ----- </p> <p>..... ----- 60 ----- </p> </div> </div>		
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>45 [D] ----- 40 ----- 1020</p> <p>..... ----- 40 ----- </p> </div> <div style="width: 45%;"> <p>0150 ----- 45 [D] ----- 0420</p> <p>..... ----- 40 ----- </p> </div> </div>		
S/C 32 INITIAL CONDITIONS RTLTL: 28h 5m 4s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<div style="display: flex; justify-content: space-between;"> █ 1200 RTLTL 28h 5m 10s █ 0000 RTLTL 28h 5m 14s </div>		
FDS MODE XB DATA RATE(MI)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: center;">CR-5T 160(32)</td> </tr> </table>		CR-5T 160(32)
	CR-5T 160(32)		
VGR COVERAGE	ON CALL		
NOTES	[1] S/C 31=GS-4B @ 2302 XB=2.8K(41) NOT RECOVERABLE JPL HOLIDAY!		
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UTC: JAN 01 JAN 02			

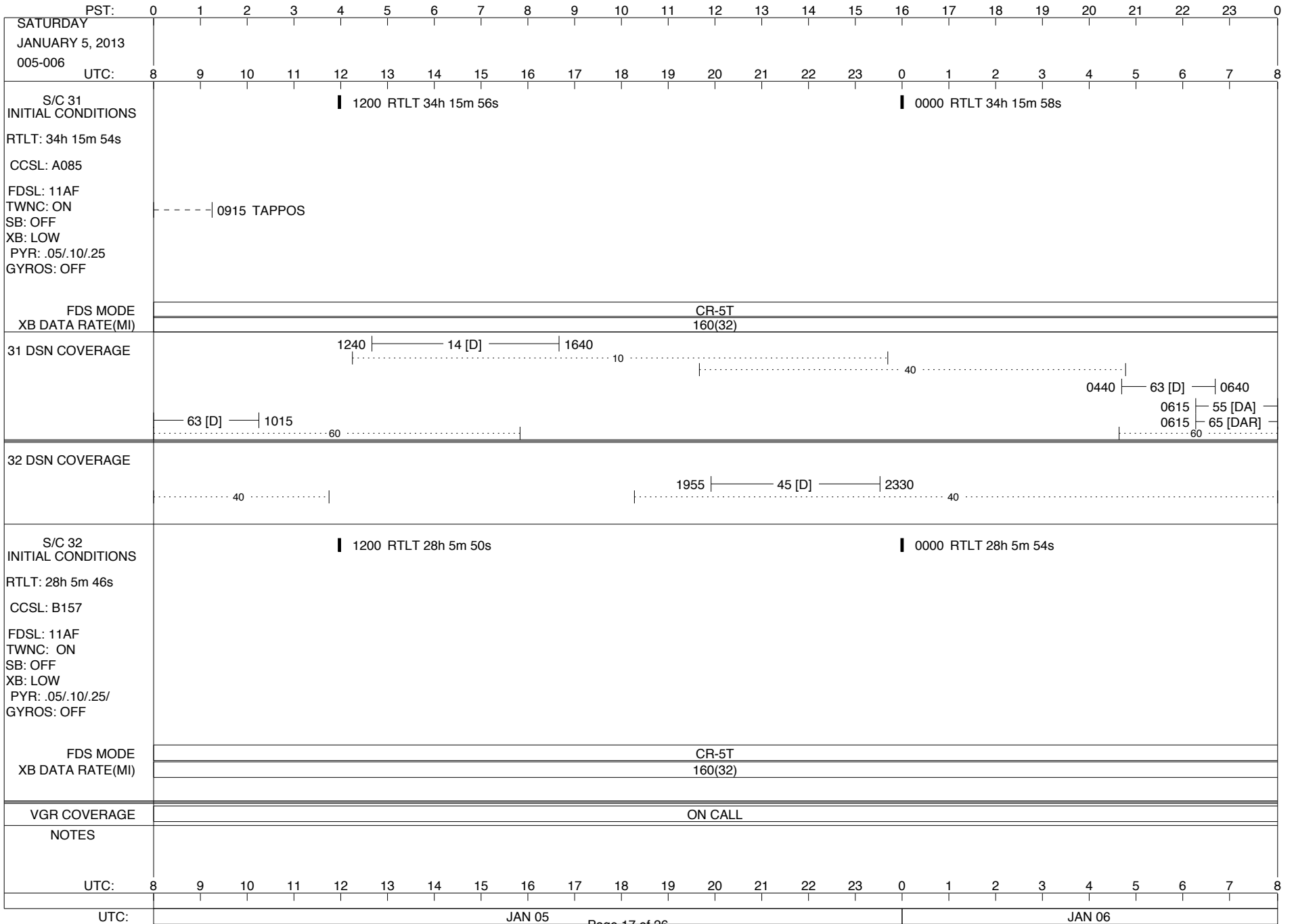
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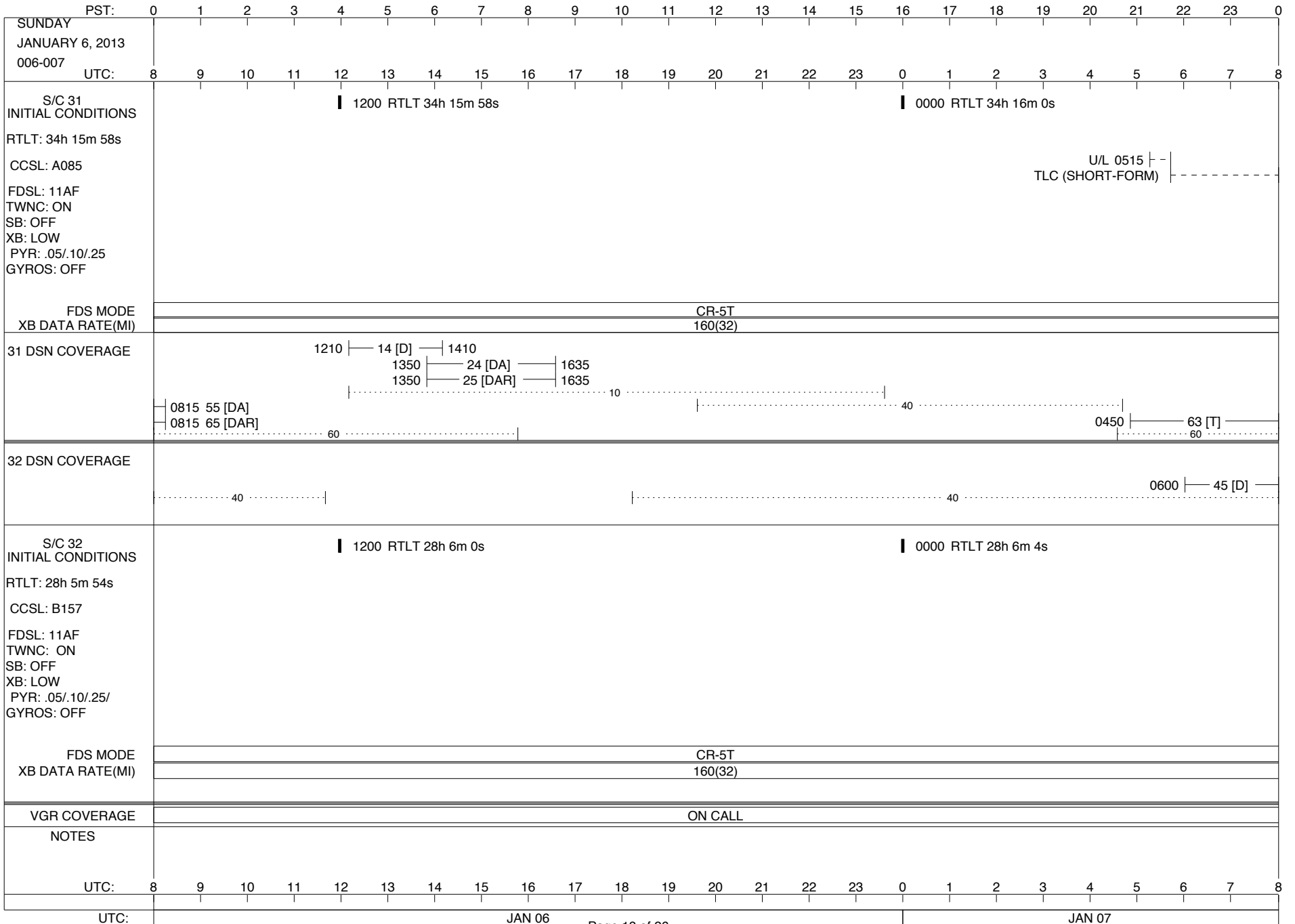
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S/C 31 INITIAL CONDITIONS RTLT: 34h 15m 52s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 34h 15m 54s												█ 0000 RTLT 34h 15m 54s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1700 ----- 14 ----- 1915 ----- 10 -----												----- 40 -----												
	-63 [D] ----- 0915 ----- 60 -----												0615 ----- 63 [D] ----- ----- 60 -----												
32 DSN COVERAGE	----- 40 -----												1955 ----- 34 [D] ----- 2355 ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 28h 5m 36s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 28h 5m 40s												█ 0000 RTLT 28h 5m 46s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												VGR	ON CALL											
NOTES	[1] S/C 31=GS-4B @ 0502 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	JAN 04												JAN 05												

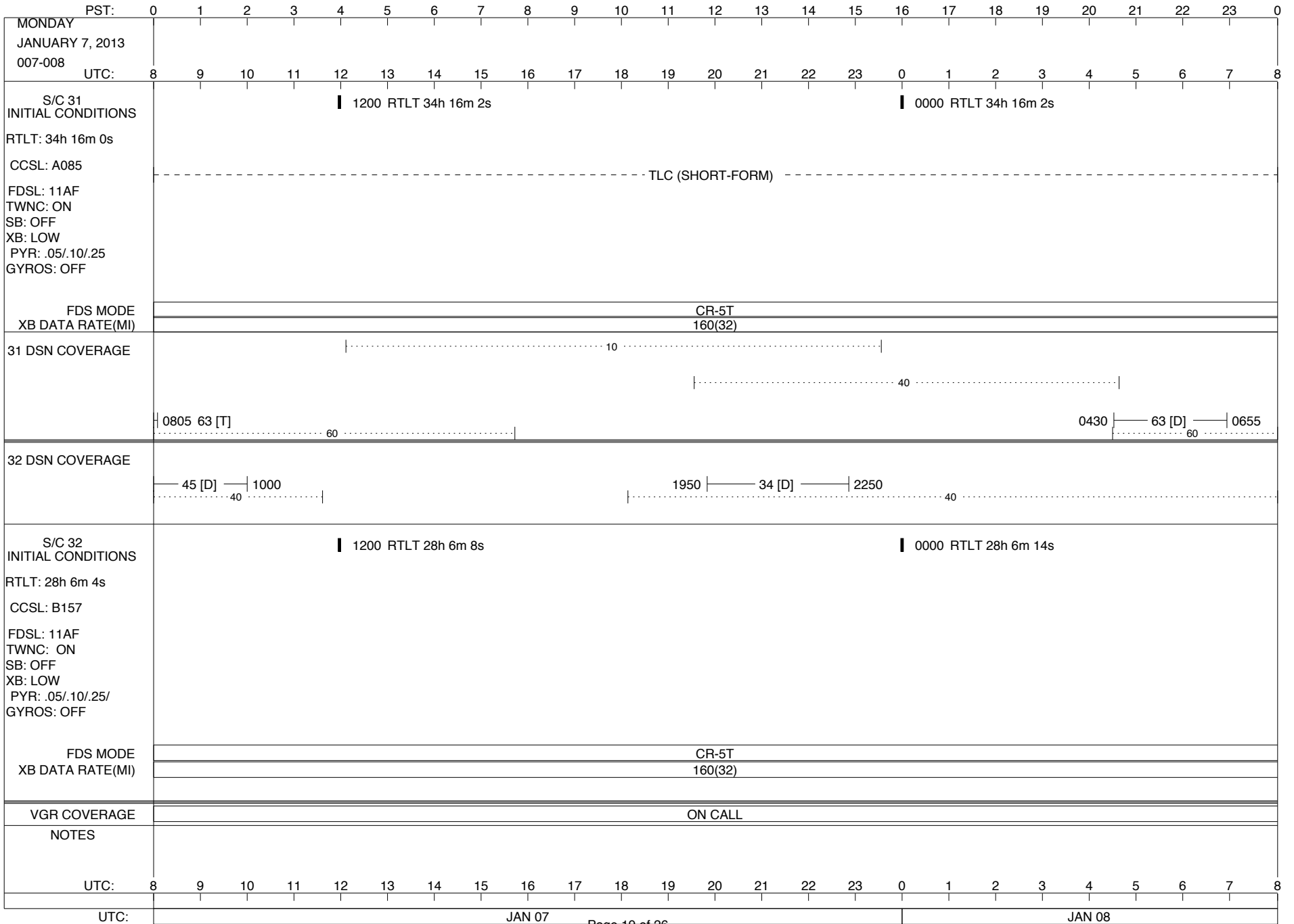
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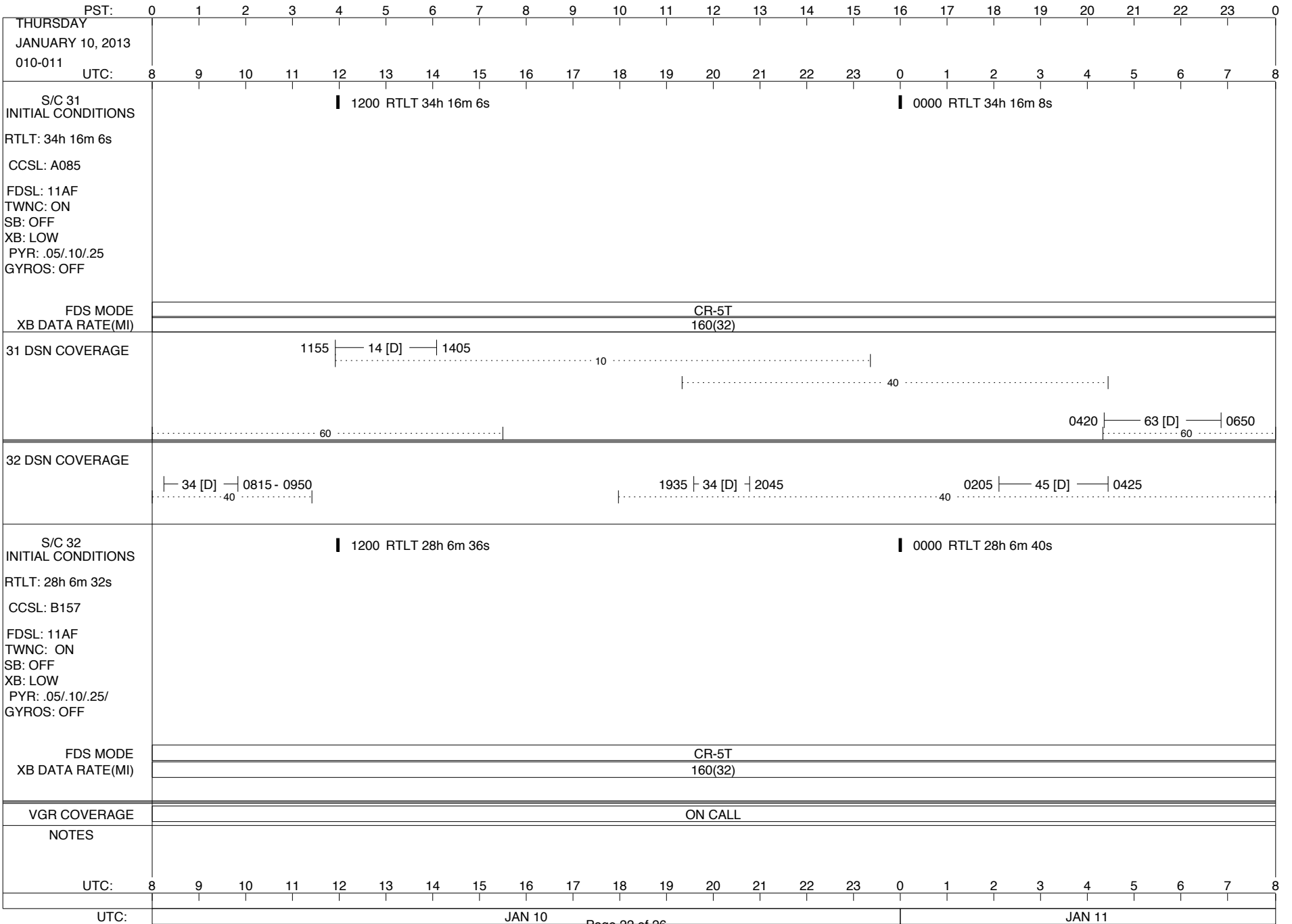
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S/C 31 INITIAL CONDITIONS RTLTL: 34h 16m 2s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 34h 16m 4s												0000 RTLTL 34h 16m 4s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1205 ----- 14 [D] ----- 1545												2238 2239 PWS/RH												
32 DSN COVERAGE	0425 ----- 63 [D] -----												0000 ----- 45 [D] ----- 0300												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 6m 14s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 6m 18s												0000 RTLTL 28h 6m 22s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												0007 PLSCAL - 0149 0007 --- MAGCAL --- 0309 0007 --- PESCAL --- 0327												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 2238 XB=2.8K(41) NOT RECOVERABLE																								
UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
UTC:	JAN 08												JAN 09												

ISSUE DATE: 12/19/12 18:07

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S/C 31 INITIAL CONDITIONS RTLTL: 34h 16m 4s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█																				
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE					1200																				
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLTL: 28h 6m 22s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF					█																				
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE																									
NOTES																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:																									

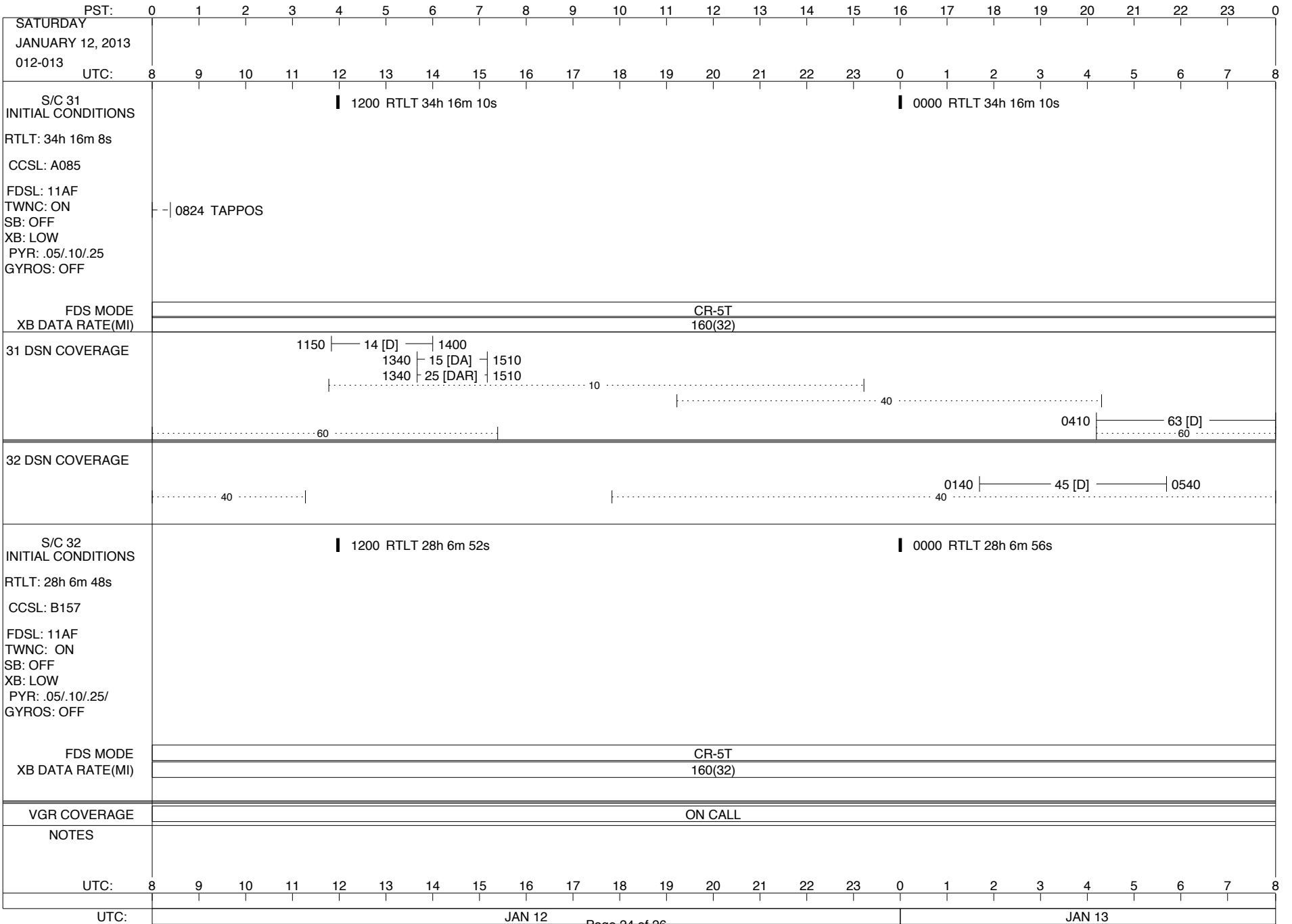
ISSUE DATE: 12/19/12 18:07



ISSUE DATE: 12/19/12 18:07

PST:	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
FRIDAY JANUARY 11, 2013 011-012	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 34h 16m 8s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 16m 8s												0000 RTLT 34h 16m 8s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1155 14 [D] 1400												0415 63 [D] 0650												
32 DSN COVERAGE	0255 45 [D] 0500																								
S/C 32 INITIAL CONDITIONS RTLT: 28h 6m 40s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 6m 44s												0000 RTLT 28h 6m 48s												
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 @ 0438 XB=2.8K(41) NOT RECOVERABLE																								
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
UTC:	JAN 11												JAN 12												

ISSUE DATE: 12/19/12 18:07



ISSUE DATE: 12/19/12 18:07

PST:	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 JANUARY 14, 2013 014-015																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
S/C 31 INITIAL CONDITIONS RTLT: 34h 16m 12s CCSL: A085 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 28h 7m 4s CCSL: B157 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<div style="text-align: center;"> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE														ON CALL													
NOTES																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
UTC:	JAN 14													JAN 15													