

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 18, 2013

For the Period: 12/19/13 to 01/06/14 (13-353 – 14-006)

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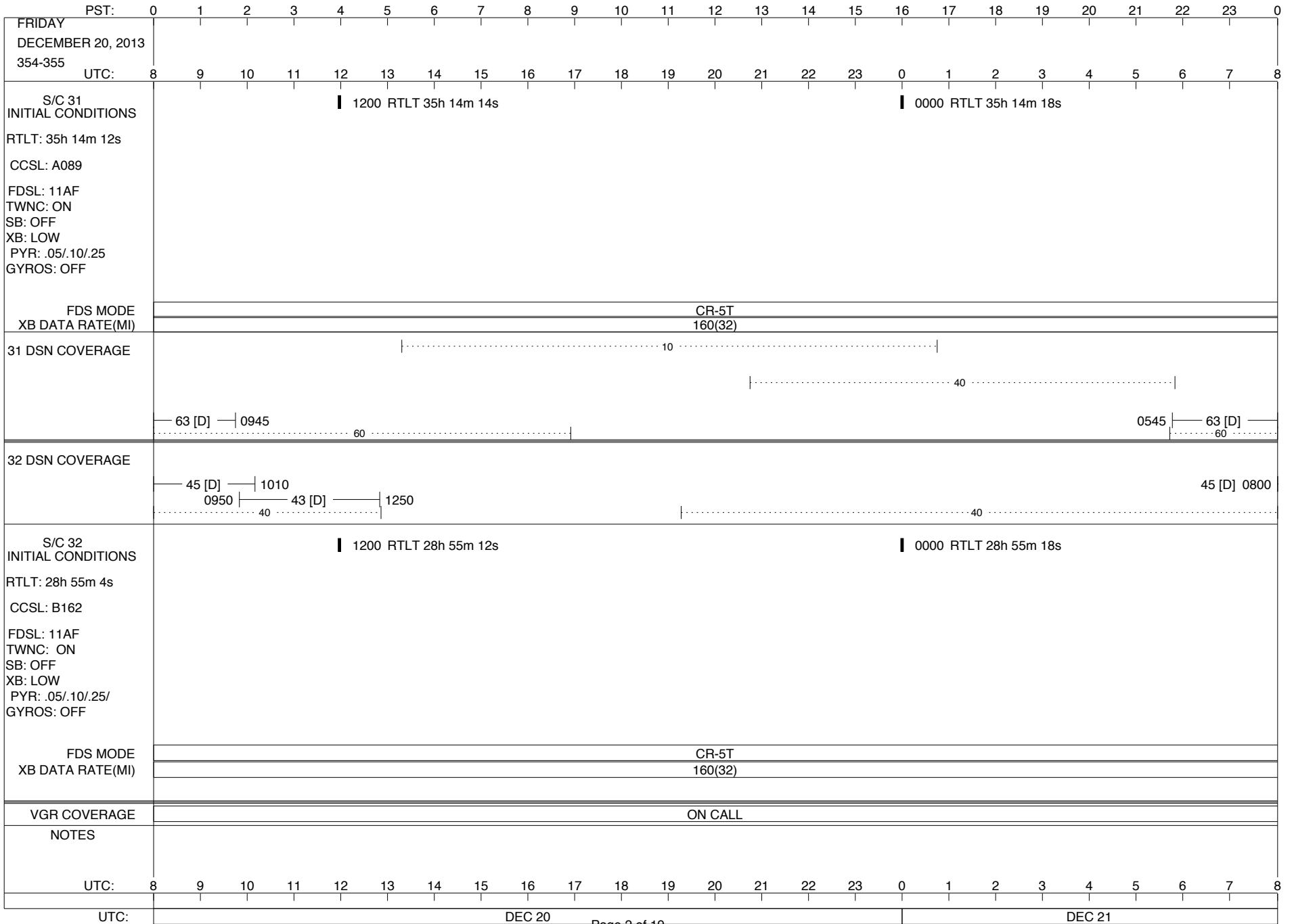
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U =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

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

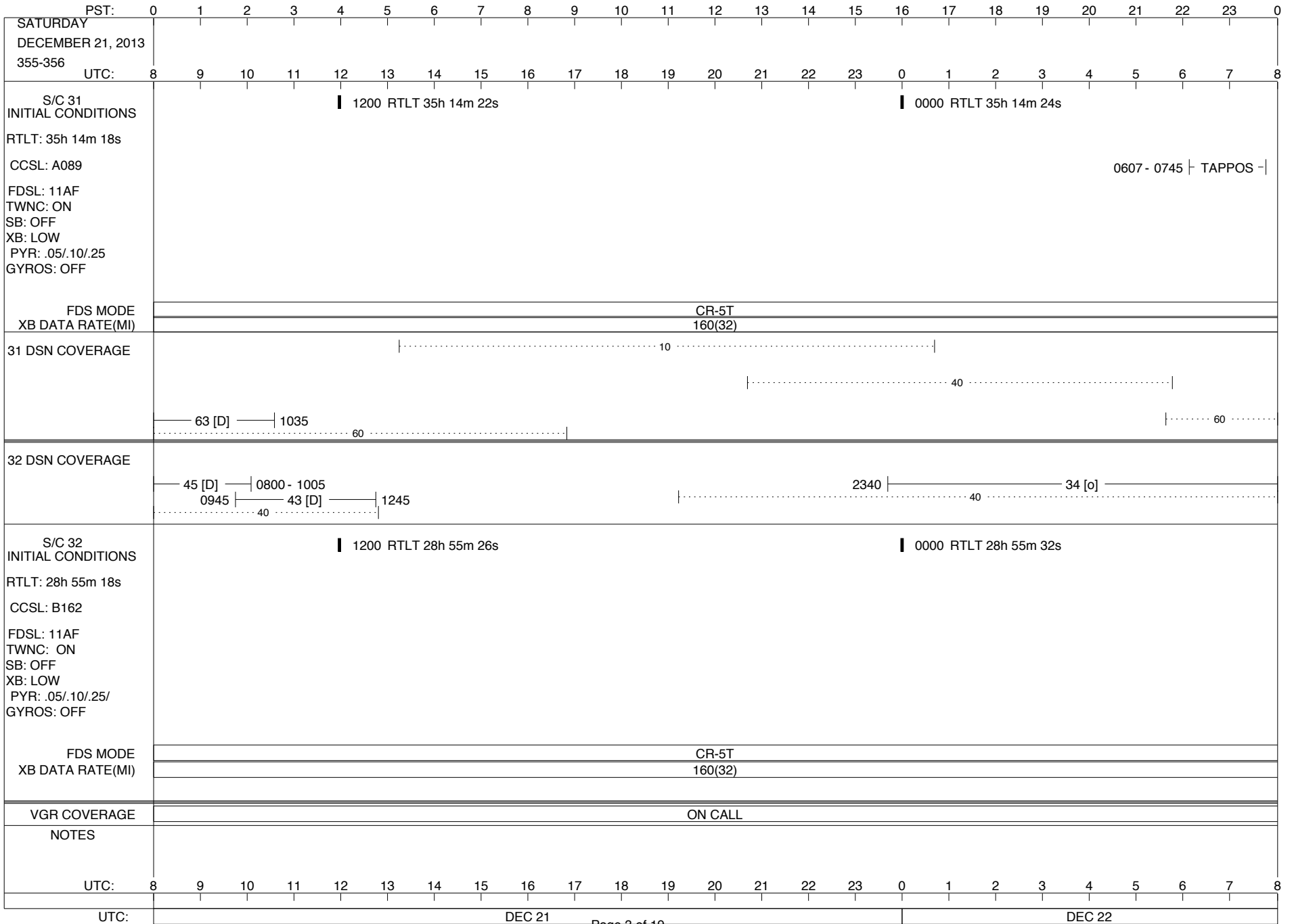
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S/C 31 INITIAL CONDITIONS RTLTL: 35h 14m 4s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 14m 8s												0000 RTLTL 35h 14m 12s												
													0306 TAPPOS 0431 PWS/RH 0608 0609 0620 - 0758 TAPPOS												
													0608 GS-4B 0609 ↓												
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 RTLTL: 28h 54m 50s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 54m 58s												0000 RTLTL 28h 55m 4s												
													▼ 1202 DUMMY (5 MIN BRACKETED 16:57)												
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 @ 0608 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
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ISSUE DATE: 12/24/13 17:43



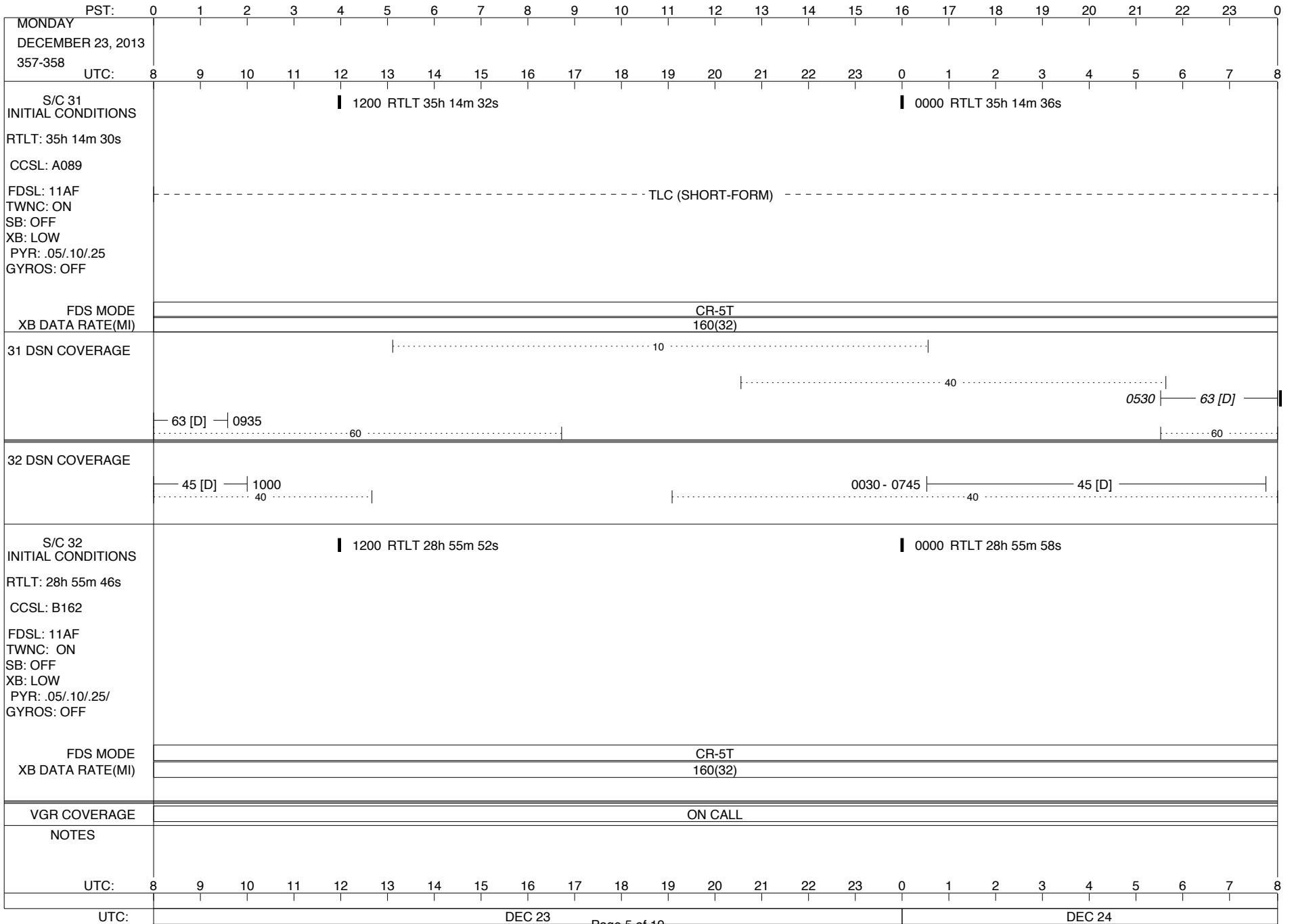
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ISSUE DATE: 12/24/13 17:43

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SUNDAY DECEMBER 22, 2013 356-357	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: 35h 14m 24s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 14m 28s												0000 RTLTL 35h 14m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1310 ----- 14 [D] ----- 1710												2055 ----- 14 [T] ----- 0035												
32 DSN COVERAGE	34 [o] ----- 1000 -----												0600 ----- 45 [D] -----												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 55m 32s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 55m 38s												0000 RTLTL 28h 55m 46s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0908 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
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ISSUE DATE: 12/24/13 17:43



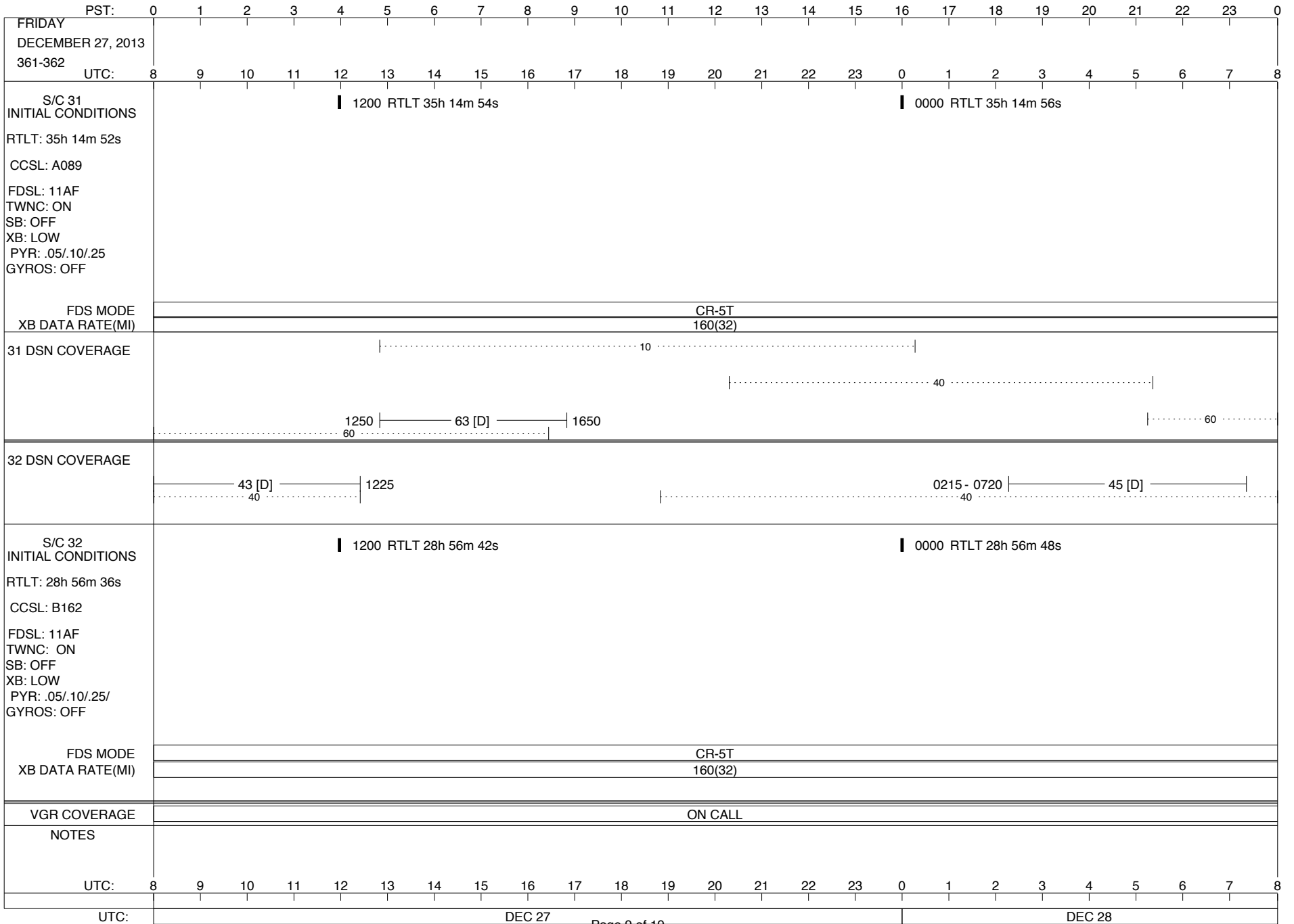
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TUESDAY DECEMBER 24, 2013 358-359																											
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S/C 31 INITIAL CONDITIONS RTLTL: 35h 14m 36s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200 RTLTL 35h 14m 38s																					█ 0000 RTLTL 35h 14m 42s	
FDS MODE XB DATA RATE(MI)																											
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLTL: 28h 55m 58s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF					█ 1200 RTLTL 28h 56m 4s																					█ 0000 RTLTL 28h 56m 10s	
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:	DEC 24													DEC 25													

ISSUE DATE: 12/24/13 17:43

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WEDNESDAY DECEMBER 25, 2013 359-360																									
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S/C 31 INITIAL CONDITIONS RTLT: 35h 14m 42s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 14m 44s												0000 RTLT 35h 14m 46s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE 10 40												
	63 [D] 1155 60											 60												
32 DSN COVERAGE	43 [D] 1230 40												0240 - 0720 43 [o]												
S/C 32 INITIAL CONDITIONS RTLT: 28h 56m 10s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 56m 18s												0000 RTLT 28h 56m 24s												
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: 12/24/13 17:43



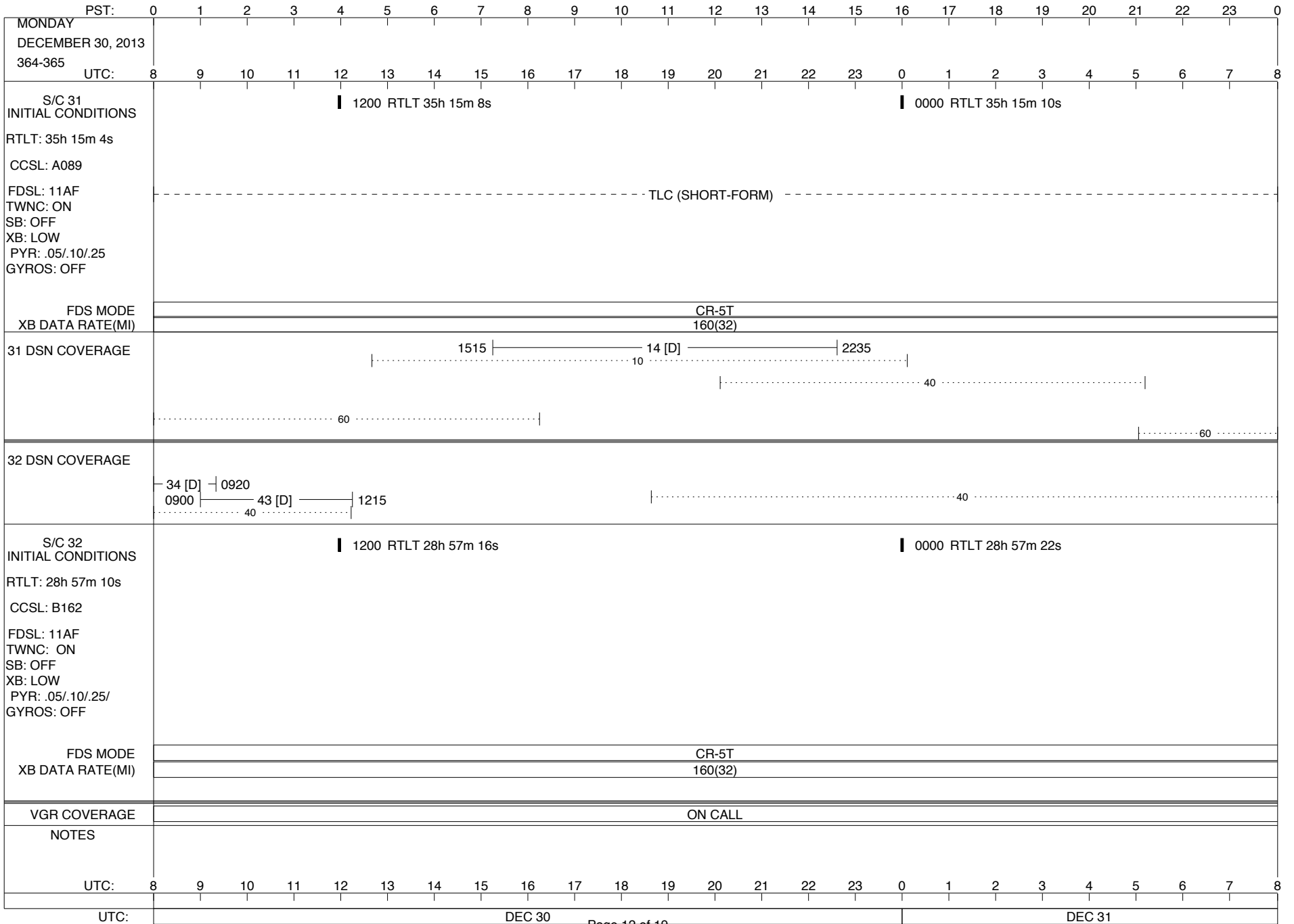
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SATURDAY DECEMBER 28, 2013 362-363	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS RTLT: 35h 14m 56s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 14m 58s												0000 RTLT 35h 15m 0s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	1725 ----- 14 [D] ----- 0010												----- 40 -----													
	60 -----												----- 60 -----													
32 DSN COVERAGE	1005 ----- 43 [D] ----- 1220												----- 40 ----- 43 [D] 0755													
S/C 32 INITIAL CONDITIONS RTLT: 28h 56m 48s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 56m 54s												0000 RTLT 28h 57m 0s													
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 28													DEC 29												

ISSUE DATE: 12/24/13 17:43

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
SUNDAY DECEMBER 29, 2013 363-364	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: 35h 15m 0s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 15m 2s												0000 RTLTL 35h 15m 4s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	2000 ----- 14 [T] ----- 0005												40												
32 DSN COVERAGE	43 [D] ----- 1215												0645 34 [D] -----												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 57m 0s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 57m 6s												0000 RTLTL 28h 57m 10s												
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 @ 0845 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 29												DEC 30												

ISSUE DATE: 12/24/13 17:43

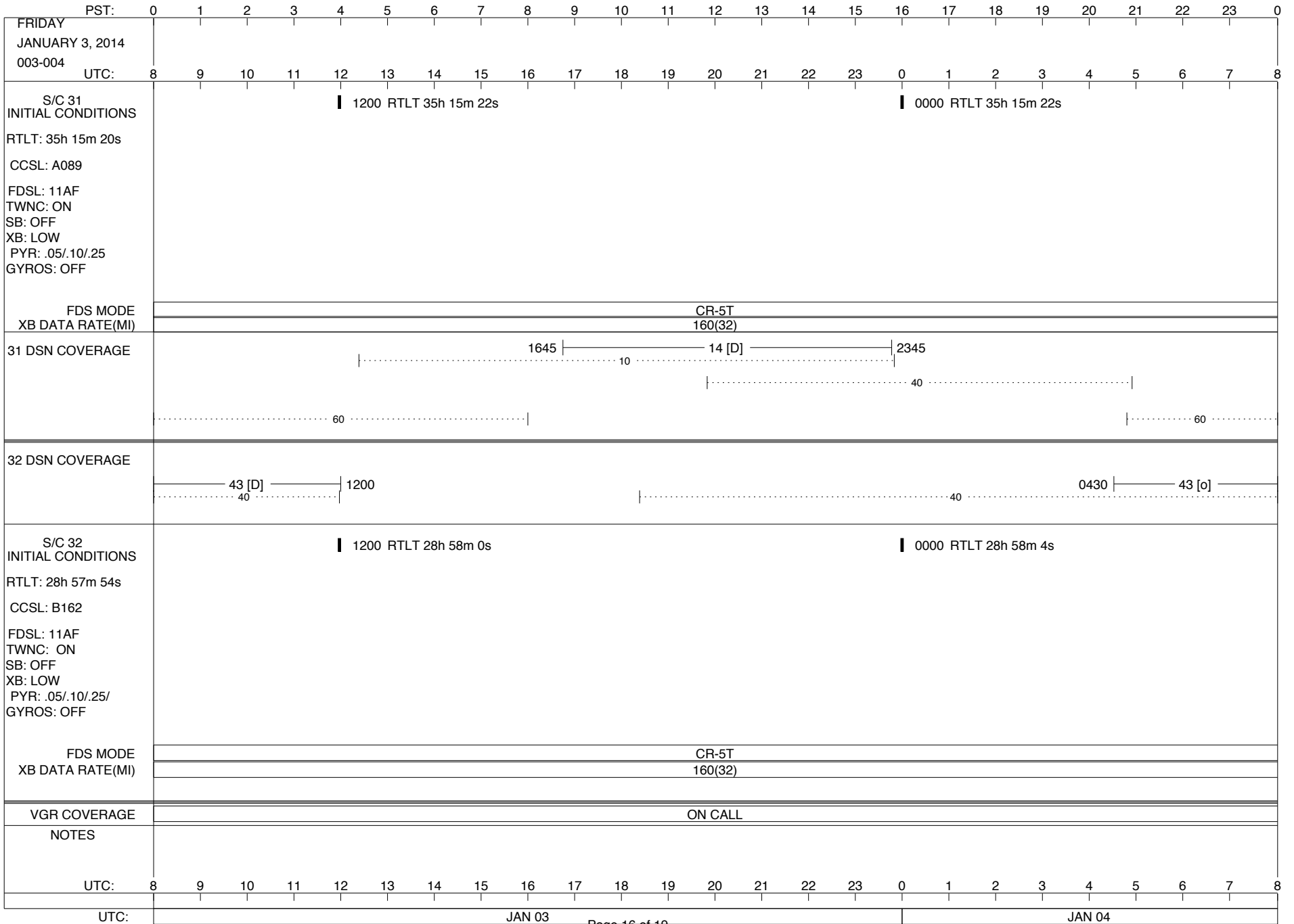


ISSUE DATE: 12/24/13 17:43

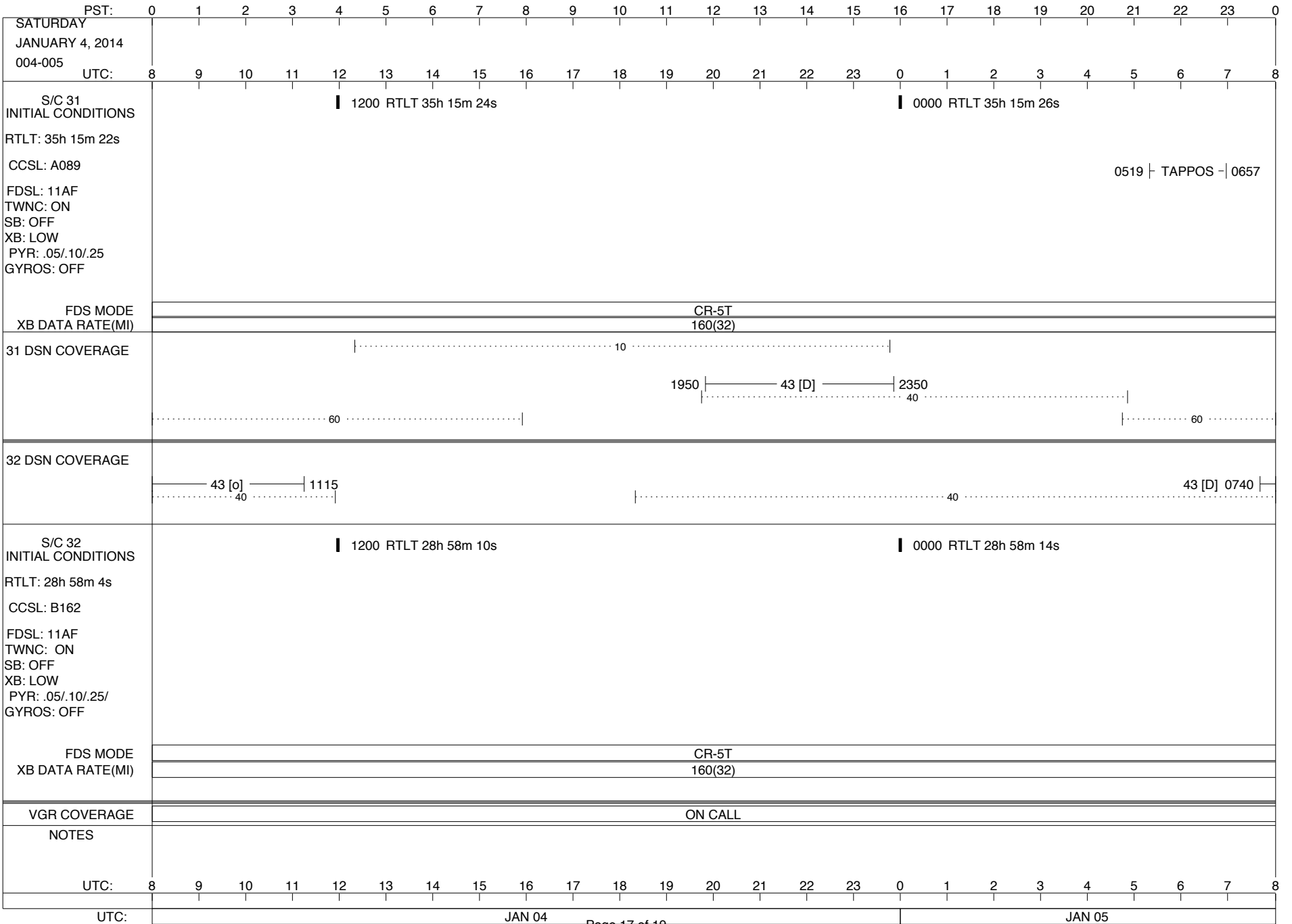
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0		
WEDNESDAY JANUARY 1, 2014 001-002																											
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8		
S/C 31 INITIAL CONDITIONS RTLT: 35h 15m 12s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200 RTLT 35h 15m 14s												█ 0000 RTLT 35h 15m 16s										
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 28h 57m 34s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF					█ 1200 RTLT 28h 57m 38s												█ 0000 RTLT 28h 57m 44s										
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		
UTC:	JAN 01													JAN 02													

ISSUE DATE: 12/24/13 17:43

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S/C 31 INITIAL CONDITIONS RTLTL: 35h 15m 16s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 15m 18s												0000 RTLT 35h 15m 20s												
	0219 - TAPPOS - 0411 0521 0522 PWS/RH 0533- 0711 TAPPOS -																								
	0521 GS-4B 0522 ↓																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1230 ----- 14 [D] ----- 1645												10 40 60												
32 DSN COVERAGE	45 [D] 0905												43 [D] 1200												
	0845 ----- 40 -----												40 43 [D] 0715 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 57m 44s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 57m 50s												0000 RTLT 28h 57m 54s												
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 @ 0521 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 02												JAN 03												



ISSUE DATE: 12/24/13 17:43



ISSUE DATE: 12/24/13 17:43

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	
SUNDAY JANUARY 5, 2014 005-006																										
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S/C 31 INITIAL CONDITIONS RTLTL: 35h 15m 26s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 15m 28s												0000 RTLT 35h 15m 28s													
	0821 - 0822 PWS/RH TAPPOS 0833 - 0957 0821 GS-4B 0822												DUMMY (16:20) 0505▼ EL-40 (16:31) 0516▼ CCSL A090 (16:53) 0537▼ AHEL2 SID MRO, CR-5T (17:26) 0611▼ U/L 0630 - TLC (SHORT-FORM) - - - -													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	1320 25 [DA] 1720 1320 26 [DAR] 1720 10												40													
	60												0440 63 [T] 60													
32 DSN COVERAGE	43 [D] 1150 40												0150 - 0755 43 [B] 40													
S/C 32 INITIAL CONDITIONS RTLTL: 28h 58m 14s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 58m 20s												0000 RTLT 28h 58m 24s													
													DUMMY (5 MIN BRACKETED 08:31) 0332▼													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE	ON CALL												VGR													
NOTES	[1] S/C 31=GS-4B @ 0821 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	
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ISSUE DATE: 12/24/13 17:43

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 6, 2014 006-007	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: 35h 15m 28s CCSL: A089 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 35h 15m 30s</p> </div> <hr/> <div style="text-align: center;"> <p>----- TLC (SHORT-FORM) -----</p> </div> <hr/> <table border="1" style="width: 100%;"> <tr> <td>FDS MODE</td> <td style="text-align: right;">CR-5T</td> </tr> <tr> <td>XB DATA RATE(MI)</td> <td style="text-align: right;">160(32)</td> </tr> </table> <hr/> <div style="text-align: center;"> <p>31 DSN COVERAGE</p> </div> <hr/> <div style="text-align: center;"> <p>32 DSN COVERAGE</p> </div> <hr/> <td>S/C 32 INITIAL CONDITIONS RTLT: 28h 58m 24s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF</td> <td colspan="24"> <div style="text-align: center;"> <p>1200 RTLT 28h 58m 30s</p> </div> <hr/> <table border="1" style="width: 100%;"> <tr> <td>FDS MODE</td> <td style="text-align: right;">CR-5T</td> </tr> <tr> <td>XB DATA RATE(MI)</td> <td style="text-align: right;">160(32)</td> </tr> </table> <hr/> <div style="text-align: center;"> <p>VGR COVERAGE</p> <p style="text-align: right;">ON CALL</p> </div> <hr/> <div style="text-align: center;"> <p>NOTES</p> </div> </td>																								FDS MODE	CR-5T	XB DATA RATE(MI)	160(32)	S/C 32 INITIAL CONDITIONS RTLT: 28h 58m 24s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 28h 58m 30s</p> </div> <hr/> <table border="1" style="width: 100%;"> <tr> <td>FDS MODE</td> <td style="text-align: right;">CR-5T</td> </tr> <tr> <td>XB DATA RATE(MI)</td> <td style="text-align: right;">160(32)</td> </tr> </table> <hr/> <div style="text-align: center;"> <p>VGR COVERAGE</p> <p style="text-align: right;">ON CALL</p> </div> <hr/> <div style="text-align: center;"> <p>NOTES</p> </div>																								FDS MODE	CR-5T	XB DATA RATE(MI)	160(32)
FDS MODE	CR-5T																																																								
XB DATA RATE(MI)	160(32)																																																								
FDS MODE	CR-5T																																																								
XB DATA RATE(MI)	160(32)																																																								

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 06 JAN 07