

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: November 30, 2011

For the Period: 12/01/2011 to 12/19/2011 (11-335 – 11-353)

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

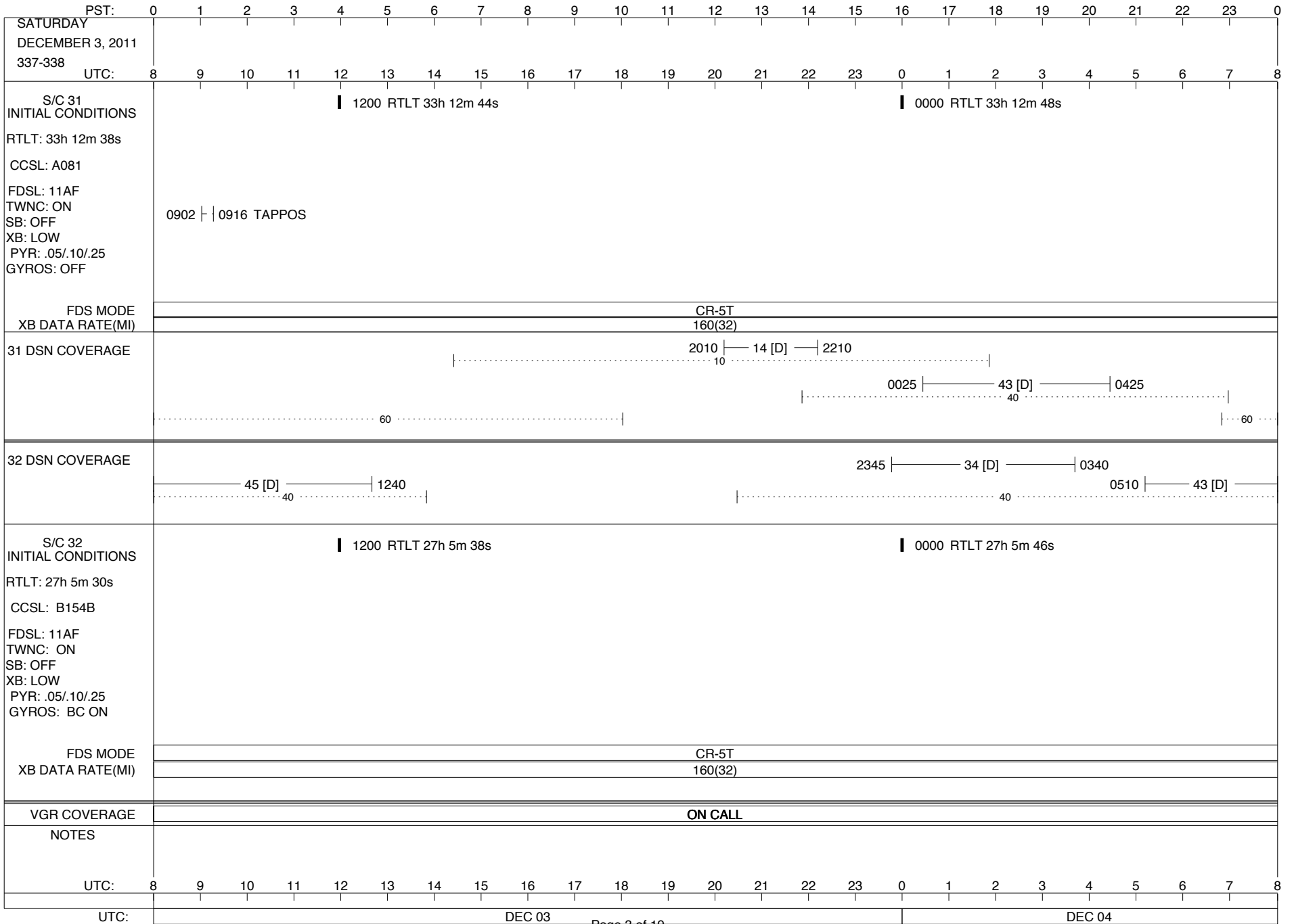
ISSUE DATE: 12/06/11 20:24

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
THURSDAY DECEMBER 1, 2011 335-336	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: 33h 12m 16s CCSL: A081 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 RTLTL: 27h 4m 54s CCSL: B154B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON					1200												0000								
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 01													DEC 02											

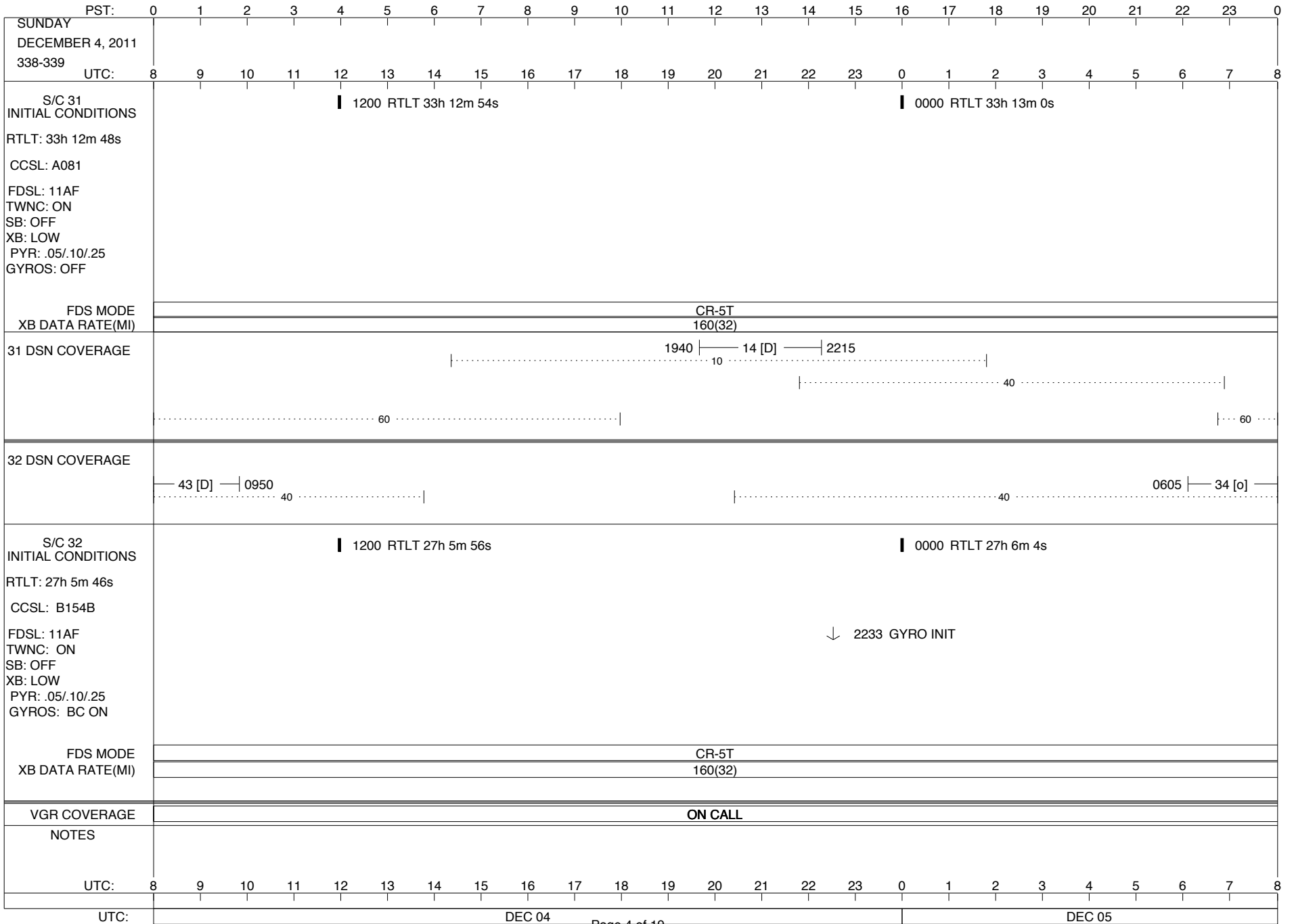
ISSUE DATE: 12/06/11 20:24

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 DECEMBER 2, 2011 336-337																													
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: 33h 12m 28s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLTL 33h 12m 32s												0000 RTLTL 33h 12m 38s															
FDS MODE														CR-5T												CR-5T			
XB DATA RATE(MI)														160(32)												160(32)			
31 DSN COVERAGE		1430 ----- 14 [D] ----- 1955 ----- 10 ----- ----- 60 -----												----- 40 ----- ----- 60 -----															
32 DSN COVERAGE		0845 ----- 45 [D] ----- 1245 ----- 40 -----												----- 40 ----- 0615 ----- 45 [D] -----															
S/C 32 INITIAL CONDITIONS RTLTL: 27h 5m 12s CCSL: B154B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON		1200 RTLTL 27h 5m 20s												0000 RTLTL 27h 5m 30s															
FDS MODE														CR-5T															
XB DATA RATE(MI)														160(32)															
VGR COVERAGE		ON CALL																											
NOTES		[1] S/C 31=GS-4B @ 0654 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 02														DEC 03													

ISSUE DATE: 12/06/11 20:24

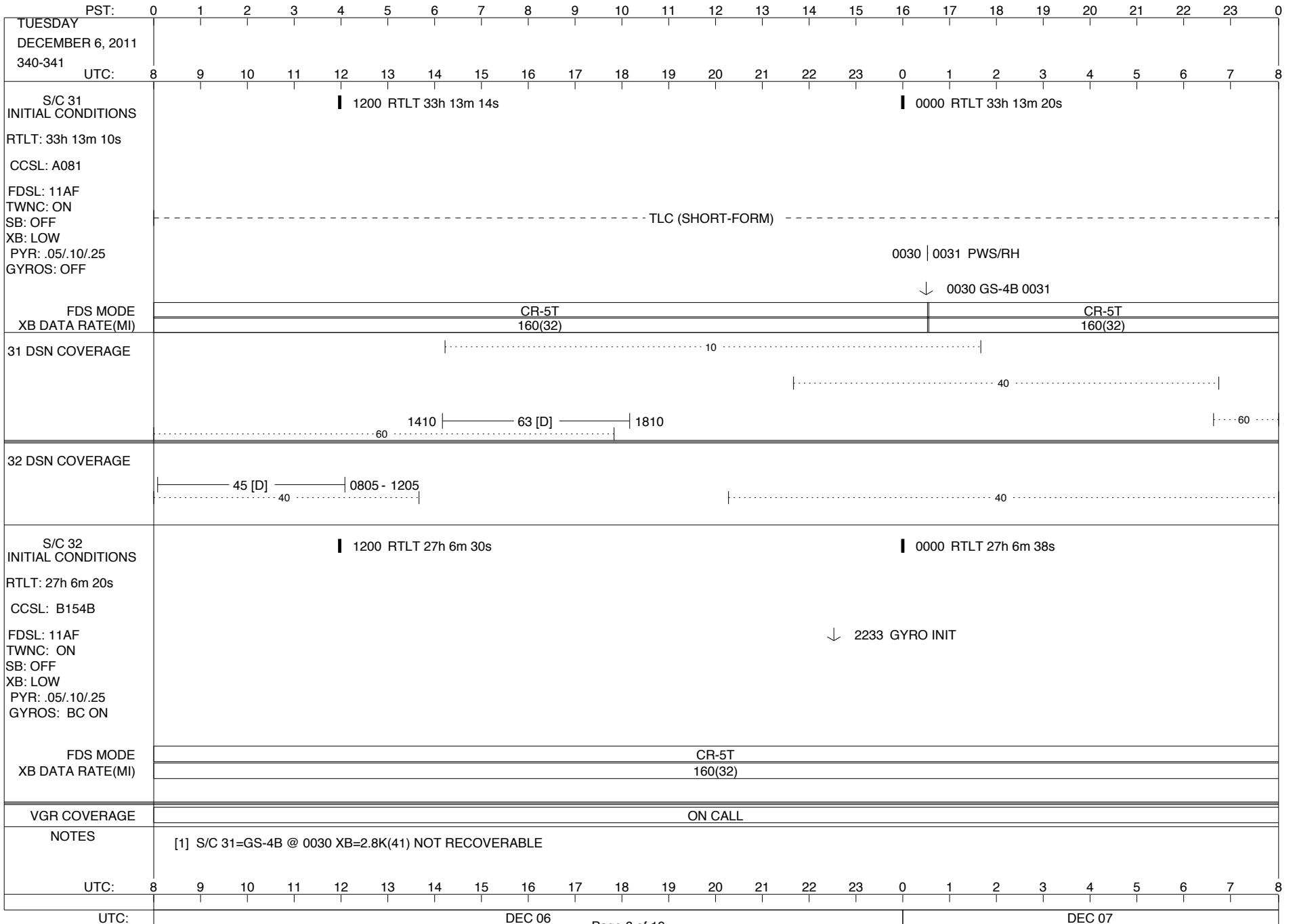


ISSUE DATE: 12/06/11 20:24



ISSUE DATE: 12/06/11 20:24

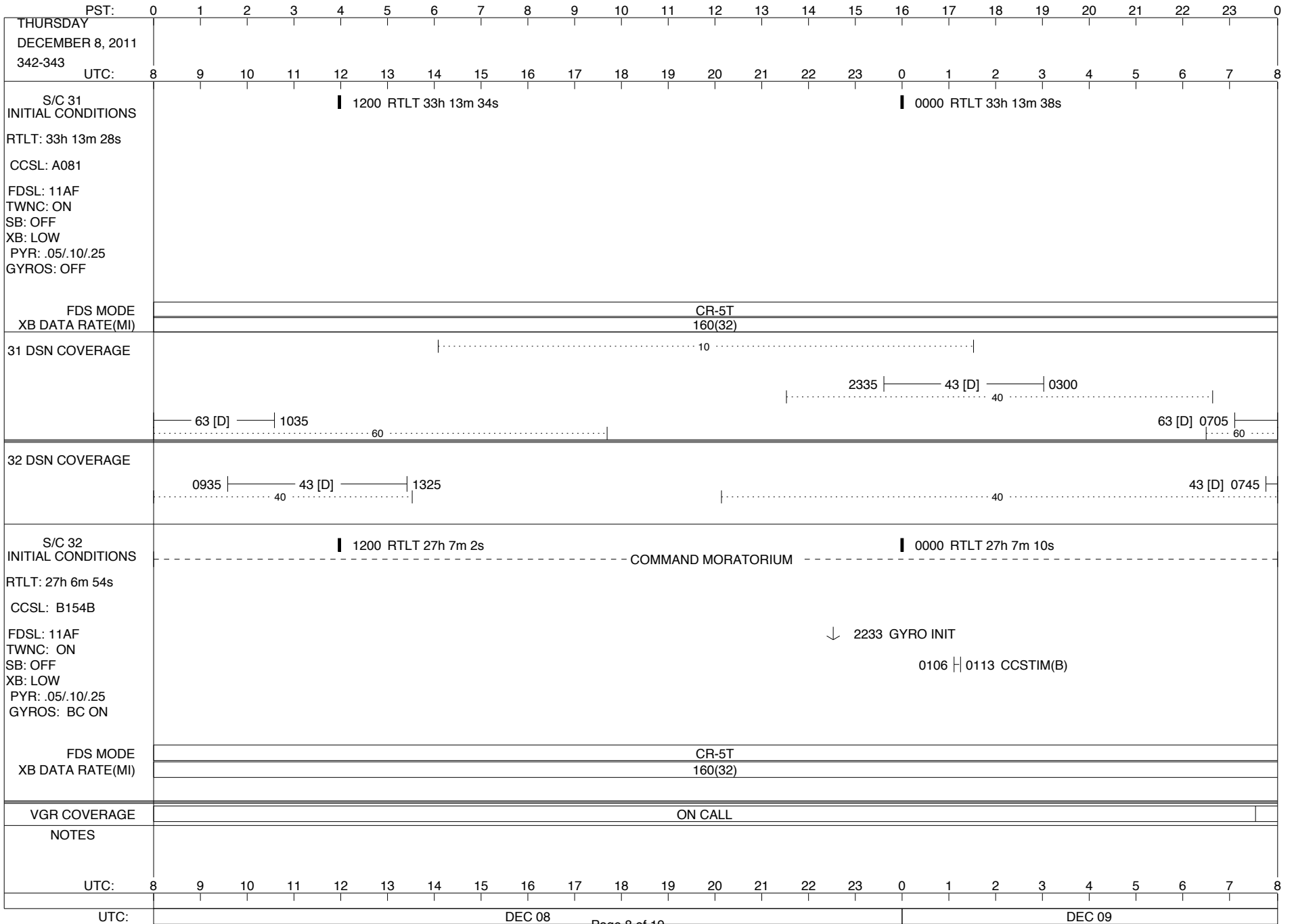
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
MONDAY DECEMBER 5, 2011 339-340																									
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 33h 13m 0s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																█ 0000				
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 27h 6m 4s CCSL: B154B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON					█ 1200																█ 0000				
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: 12/06/11 20:24

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																											
DECEMBER 7, 2011																											
341-342																											
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					█ 1200	RTLTL 33h 13m 24s												█ 0000	RTLTL 33h 13m 28s								
RTLT: 33h 13m 20s																											
CCSL: A081																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/10/25																											
GYROS: OFF																											
TLC (SHORT-FORM)																											
D/L - 0941																											
1610 ----- 1925																											
1610 ----- 1942																											
↓ 1946 IRIS REPLACEMENT HTR OFF																											
↓ 1951 BAY 1 HTR OFF																											
↓ 1955 X/B HI POWER																											
2020 ----- 2040 AACS MRO																											
2040 ----- 2056 CCS MRO																											
2056 ----- 2109 CCS MRO																											
↓ 2123 X/B LOW POWER																											
↓ 2127 BAY 1 HTR ON																											
2005 EH-12 ↓																											
↓ 2108 CR-5T																											
FDS MODE	CR-5T					EH-12					CR-5T																
XB DATA RATE(MI)	160(32)										160(32)																
31 DSN COVERAGE																											
1605 ----- 2150																											
1925 ----- 2110																											
..... 60																											
..... 40																											
..... 60																											
0635 ----- 63 [D]																											
..... 60																											
32 DSN COVERAGE																											
1040 ----- 1425																											
..... 40																											
..... 40																											
S/C 32 INITIAL CONDITIONS																											
RTLT: 27h 6m 38s																											
CCSL: B154B																											
FDSL: 11AF																											
TWNC: ON																											
SB: OFF																											
XB: LOW																											
PYR: .05/10/25																											
GYROS: BC ON																											
█ 1200																											
RTLTL 27h 6m 46s																											
2129 -----																											
█ 0000																											
RTLTL 27h 6m 54s																											
COMMAND MORATORIUM																											
▼ 1257 DUMMY (5 MIN BRACKETED 16:04)																											
FDS MODE	CR-5T																										
XB DATA RATE(MI)	160(32)																										
VGR COVERAGE	ON CALL					VGR					ON CALL					VGR					ON CALL						
NOTES	[1] S/C 31=EH12 XB=1.2K(39) @ 2008 [2] S/C 31=CR-5T XB=160(32) @ 2108																										
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 07														DEC 08												

ISSUE DATE: 12/06/11 20:24



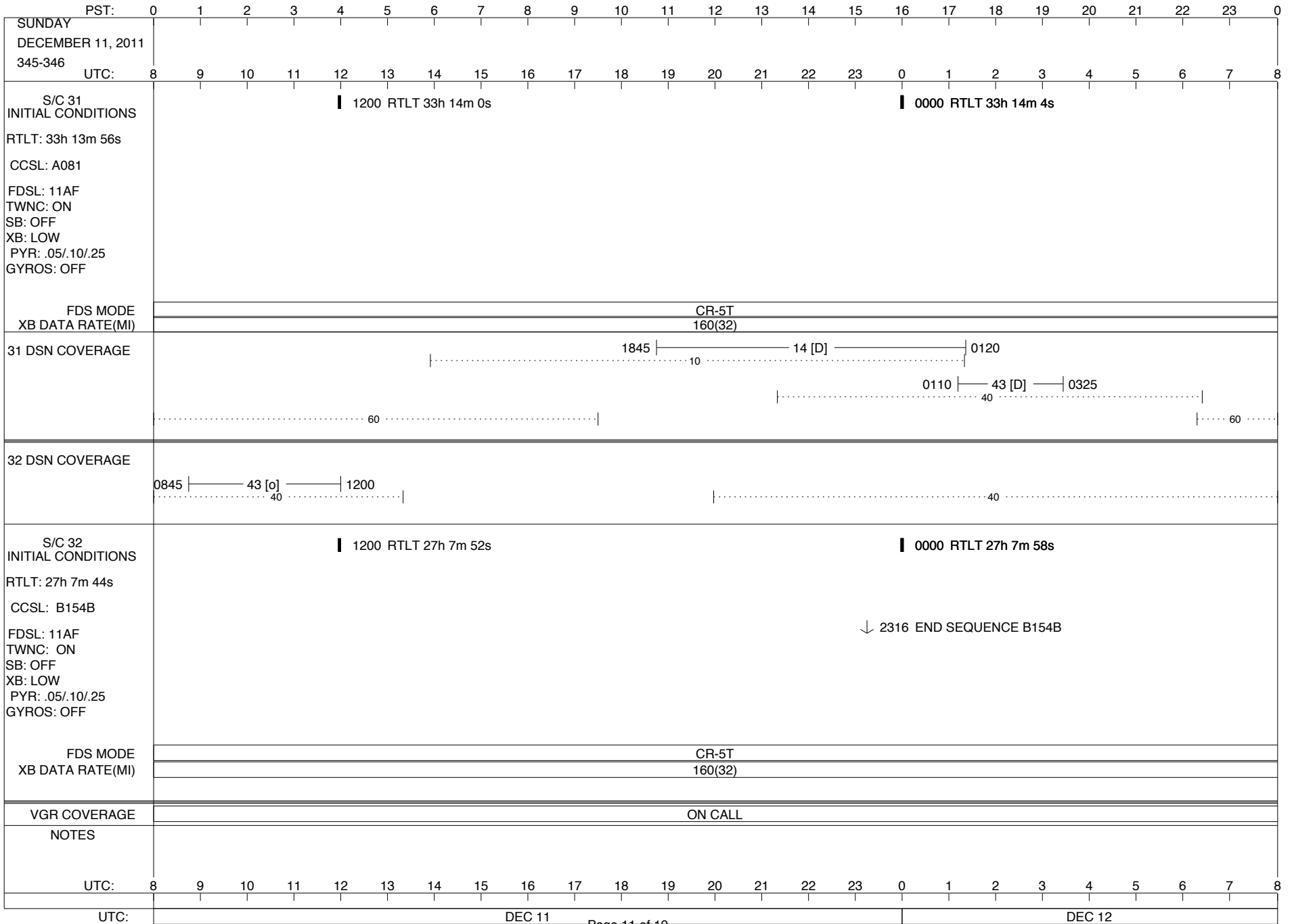
ISSUE DATE: 12/06/11 20:24

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 DECEMBER 9, 2011 343-344																									
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: 33h 13m 38s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 13m 42s												0000 RTLTL 33h 13m 48s												
																			0329 0329 TAPPOS			PWS/RH 0631 0631			
																								0631 GS-4B 0631 ↓ 0632	
FDS MODE	CR-5T												CR-5T										CR-5T		
XB DATA RATE(MI)	160(32)												160(32)										160(32)		
31 DSN COVERAGE	<p>.....10.....</p> <p>.....40.....</p> <p>63 [D] 090560.....</p>																								
32 DSN COVERAGE	<p>.....43 [D] 1145.....</p> <p>.....2330 43 [D] 0500.....</p>																								
S/C 32 INITIAL CONDITIONS RTLTL: 27h 7m 10s CCSL: B154B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 27h 7m 20s												0000 RTLTL 27h 7m 28s												
	----- COMMAND MORATORIUM ----- 0624																								
	<p>↓ 0815 BAY 1 HTR OFF</p> <p>↓ 0819 X/B HI POWER</p> <p>↓ 0823 AAI</p> <p>--- 0826 - 0901 NEG ROLL TURN - 1 REV</p> <p>↓ 0915 RAI</p> <p>↓ 0921 GYROS OFF</p> <p>↓ 0928 X/B LOW POWER</p> <p>↓ 0932 BAY 1 HTR ON</p> <p>↓ 0801 ↓ 0940</p>																								
FDS MODE	EL-40												CR-5T												
XB DATA RATE(MI)	40(30)												160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	<p>[1] S/C 31=GS-4B @ 0631 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] S/C 32=EL-40 @ 0801 XB=40(30)</p>																								
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 09																DEC 10								

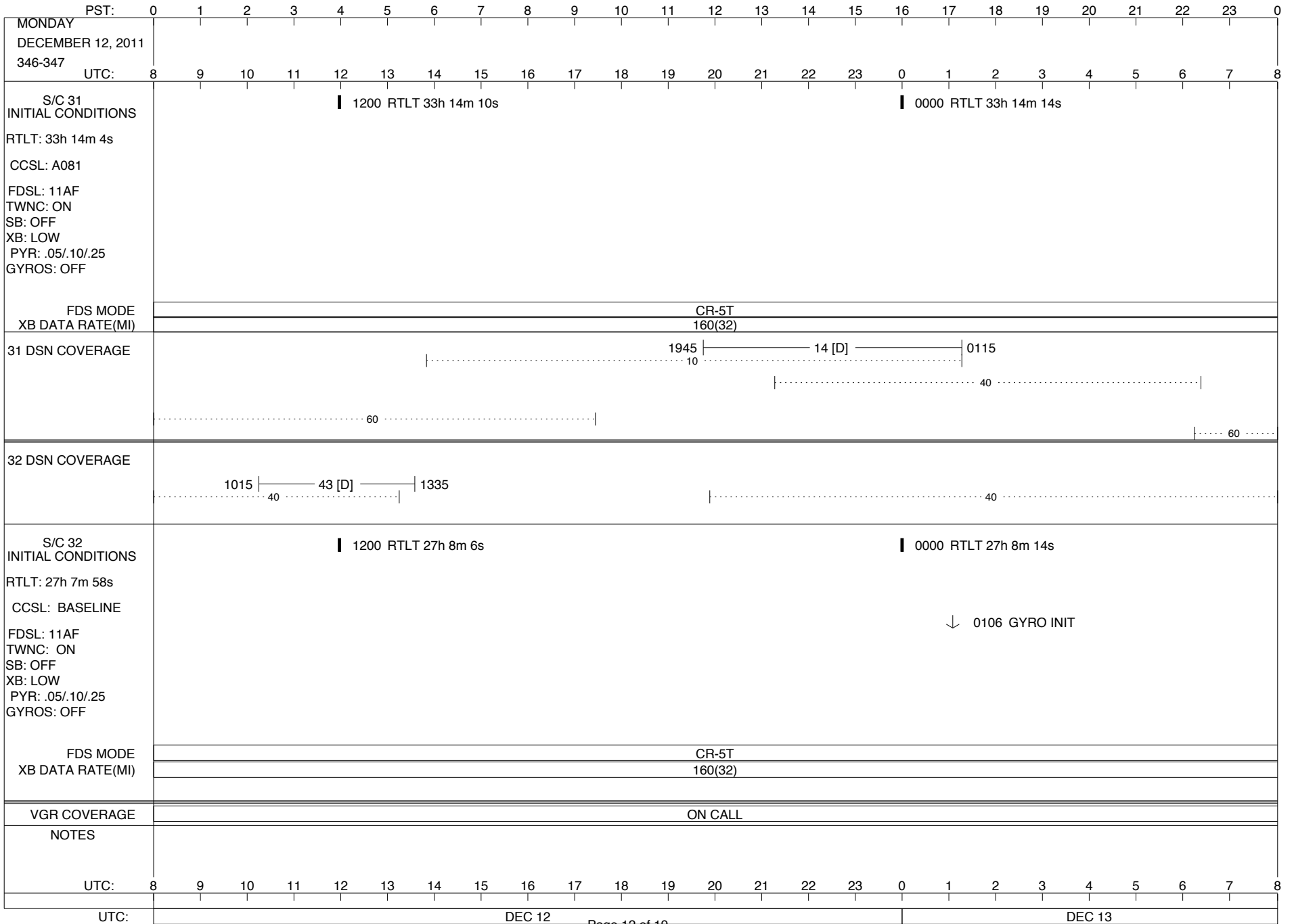
ISSUE DATE: 12/06/11 20:24

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
SATURDAY DECEMBER 10, 2011 344-345	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: 33h 13m 48s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 13m 52s												0000 RTLT 33h 13m 56s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1740 ----- 14 [D] ----- 2140												10 ----- 40 ----- 60												
32 DSN COVERAGE	40 -----												40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 27h 7m 28s CCSL: B154B FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 7m 36s												0000 RTLT 27h 7m 44s												
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 10												DEC 11												

ISSUE DATE: 12/06/11 20:24



ISSUE DATE: 12/06/11 20:24

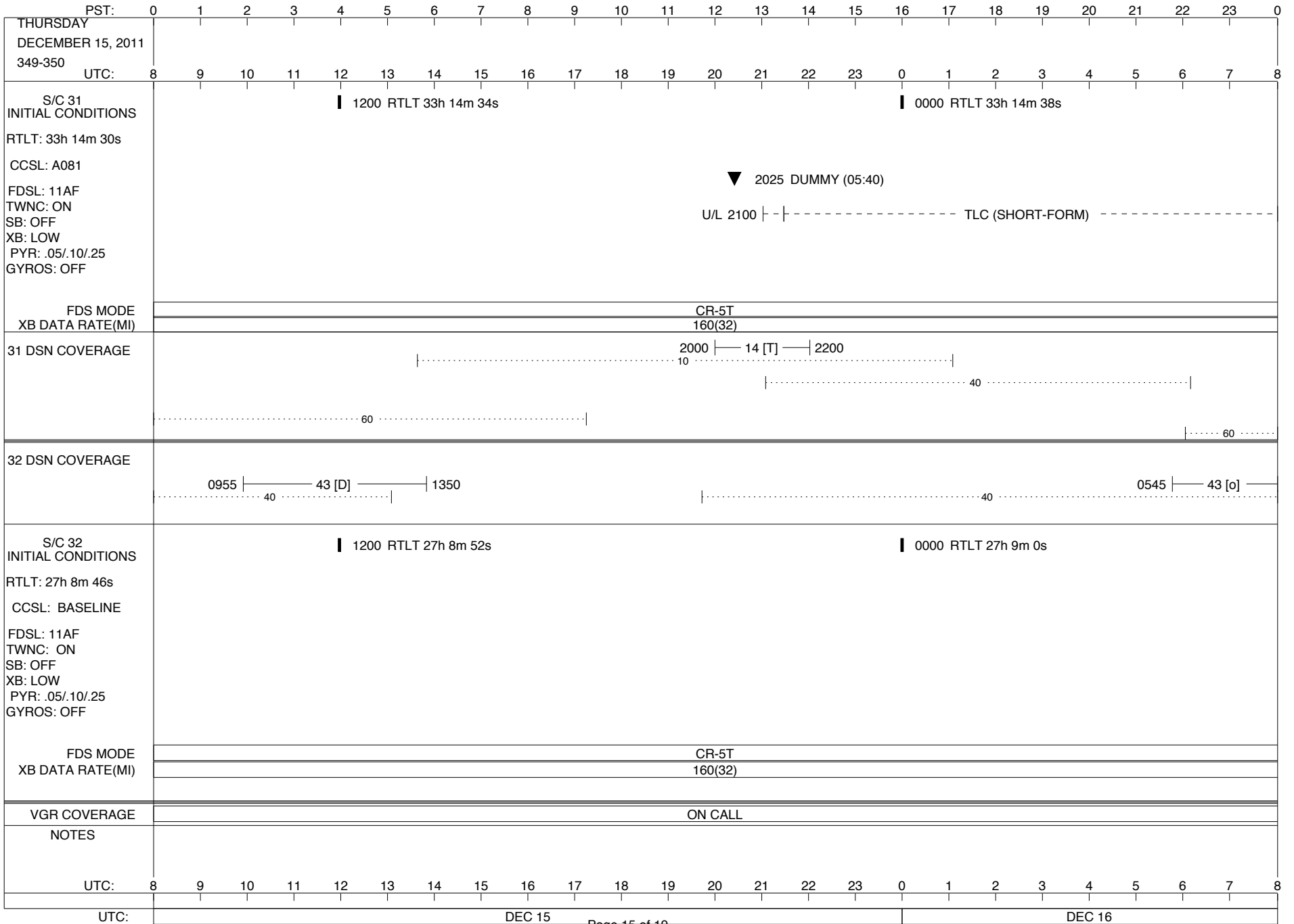


ISSUE DATE: 12/06/11 20:24

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	
TUESDAY DECEMBER 13, 2011 347-348	
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: 33h 14m 14s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 14m 18s 0000 RTLT 33h 14m 22s 0007 0008 PWS/RH ↓ 0007 GS-4B 0008
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE 10 40 1440 63 [D] 1740 60
32 DSN COVERAGE	1055 43 [D] 1400 40 0100 34 [D] 0325 40
S/C 32 INITIAL CONDITIONS RTLT: 27h 8m 14s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 8m 22s 0000 RTLT 27h 8m 30s 0115 PLSCAL - 0258 0115 --- MAGCAL --- 0418 0115 --- PESCAL --- 0435
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
VGR COVERAGE	ON CALL
NOTES	[1] S/C 31=GS-4B @ 0007 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 13 DEC 14	

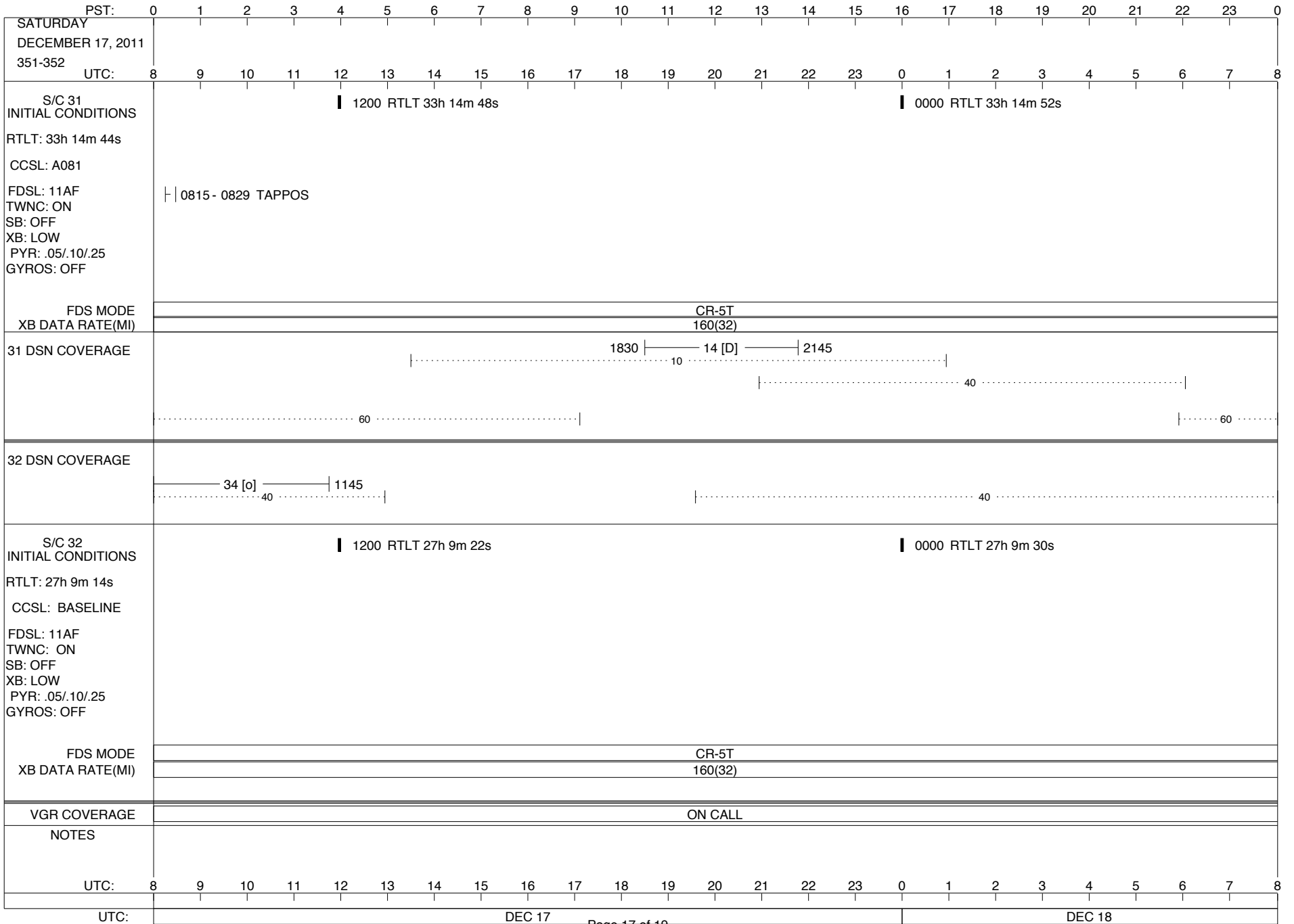
ISSUE DATE: 12/06/11 20:24

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 DECEMBER 14, 2011 348-349																										
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: 33h 14m 22s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█																					
FDS MODE																										
XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 27h 8m 30s CCSL: BASELINE 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:	DEC 14													DEC 15												

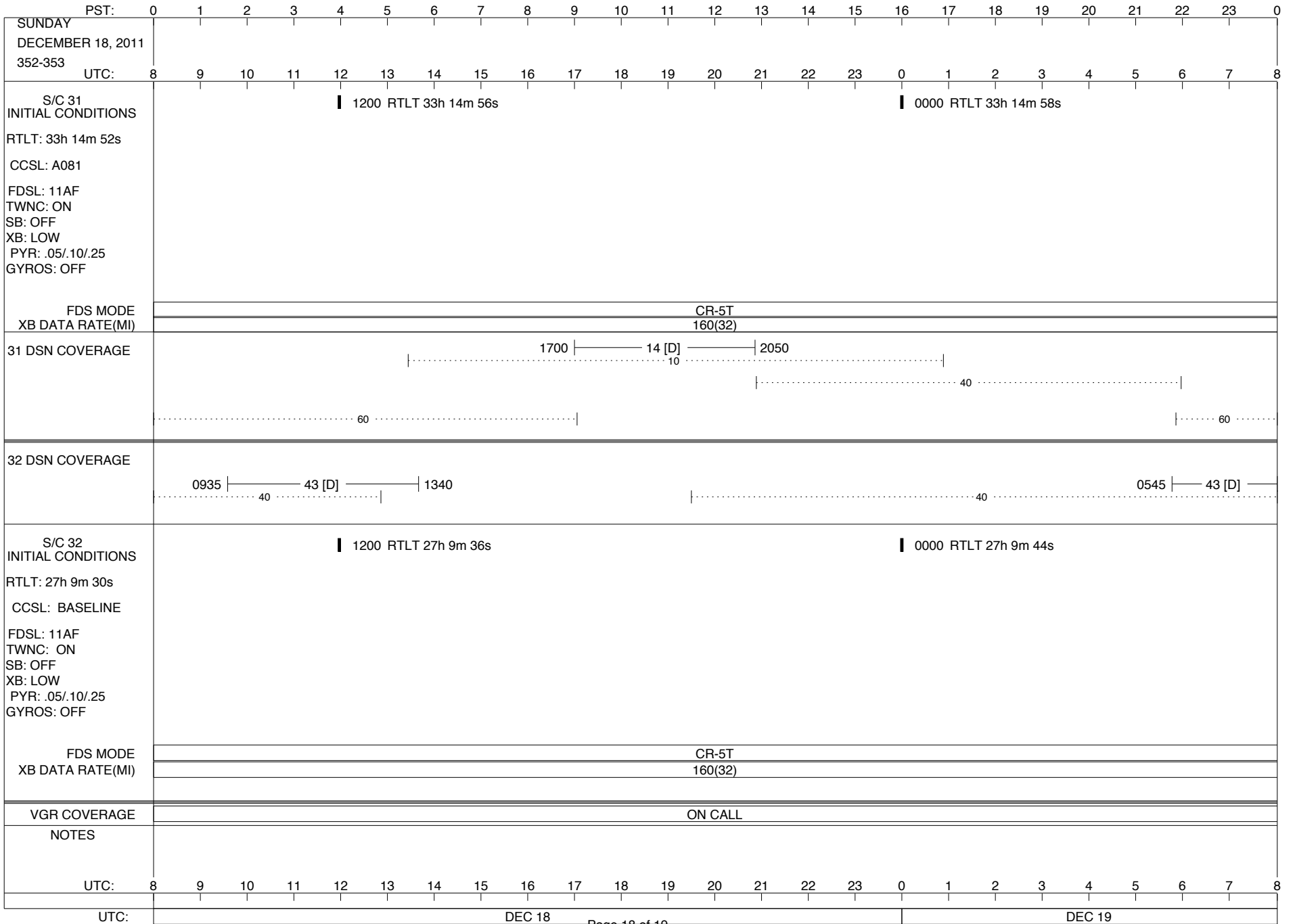


PST:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
FRIDAY DECEMBER 16, 2011 350-351																													
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS		1200 RTLT 33h 14m 40s														0000 RTLT 33h 14m 44s													
RTLT: 33h 14m 38s																													
CCSL: A081																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE		CR-5T														CR-5T													
XB DATA RATE(MI)		160(32)														160(32)													
31 DSN COVERAGE		<p>.....10.....</p> <p>.....40.....</p> <p>1230 -----63 [D]----- 1730</p> <p>.....60.....60.....</p>																											
32 DSN COVERAGE		<p>---43 [o]--- 0930.....40.....40.....34 [o] 0750--- </p>																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 27h 9m 8s														0000 RTLT 27h 9m 14s													
RTLT: 27h 9m 0s																													
CCSL: BASELINE																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
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 @ 0607 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 16														DEC 17													

ISSUE DATE: 12/06/11 20:24



ISSUE DATE: 12/06/11 20:24



ISSUE DATE: 12/06/11 20:24

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 19, 2011 353-354	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: 33h 14m 58s CCSL: A081 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 33h 15m 2s</p> </div>																								
FDS MODE XB DATA RATE(MI)													<div style="text-align: center;"> <p>CR-5T 160(32)</p> </div>												
31 DSN COVERAGE	<div style="text-align: center;"> <p>1515 ----- 25 [DA] ----- 1915 1515 ----- 26 [DAR] ----- 1915</p> <p>.....60..... </p> </div>																								
32 DSN COVERAGE	<div style="text-align: center;"> <p>--- 43 [D] --- 094540..... </p> </div>																								
S/C 32 INITIAL CONDITIONS RTLT: 27h 9m 44s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 27h 9m 50s</p> </div>																								
FDS MODE XB DATA RATE(MI)													<div style="text-align: center;"> <p>CR-5T 160(32)</p> </div>												
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 19												DEC 20												