

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: December 7, 2016

For the Period: 12/08/16 to 12/26/16 (16-343 – 16-361)

DSN OPSCHIEF (1) 230-102

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

OTHER

* KMassey@jgld.gdscc.nasa.gov
 * Belinda.Arroyo@jpl.nasa.gov
 *DL-DSSN-MPSETA@dsn.nasa.gov

SCIENCE

CRS *bryant@mail630.gsfc.nasa.gov
 LECP *r.decker@jhuapl.edu
 UVS *holburg@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

FLIGHT TEAM (14) 600-100

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

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

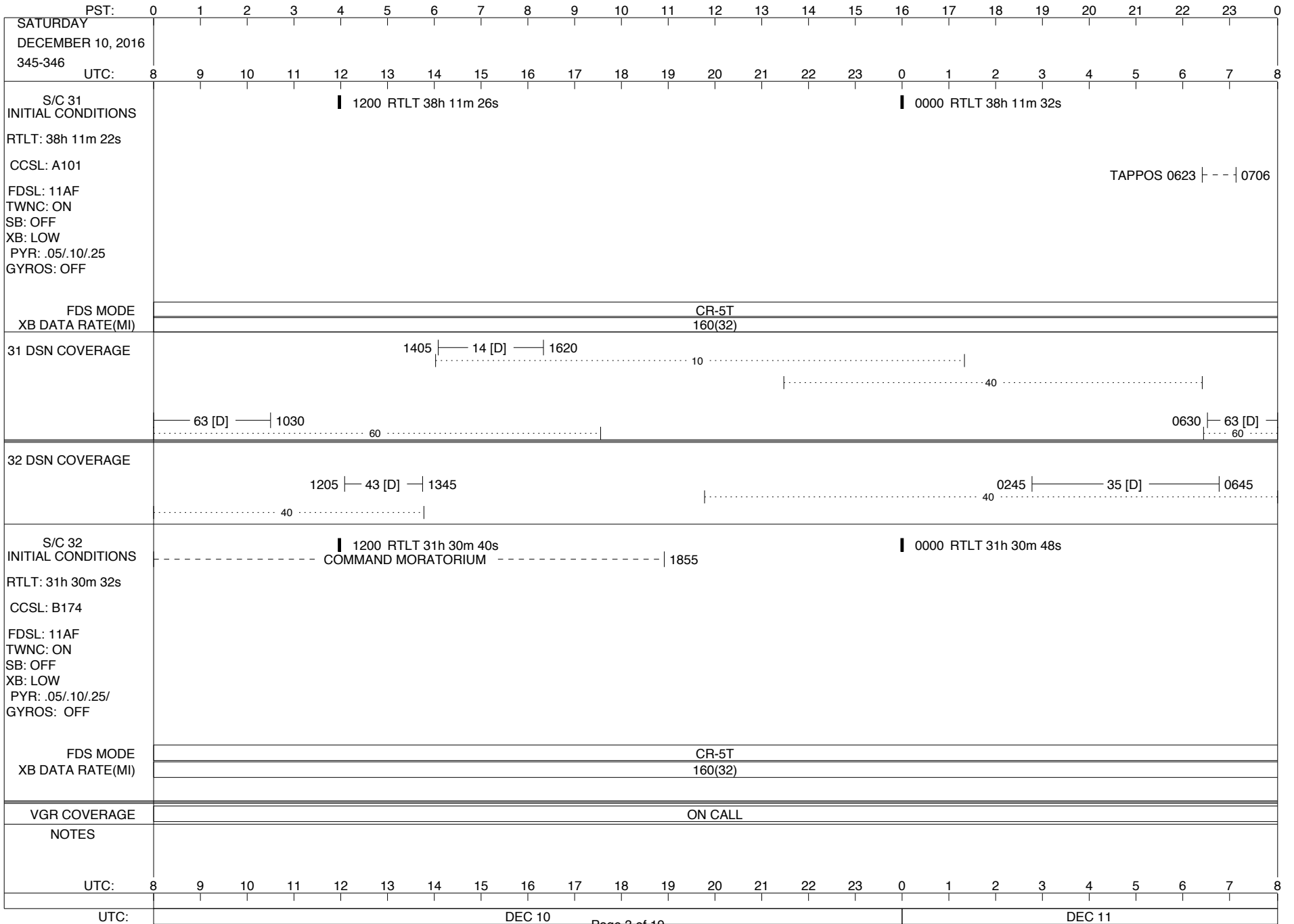
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

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 8, 2016 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 RTL: 38h 11m 4s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 11m 8s												0000 RTLT 38h 11m 14s												
	* 0924 0928 MINI-SEQUENCE CHKSUM												0323 - 0352 TAPPOS PWS/RH 0624 0626 TAPPOS 0636 - 0719 - -												
	* 0954 0957 2 AHELI2 SID MRO'S																								
	* 0859 EL-40																								
	* 0959 CR-5T												0624 GS-4B 0626 ↓												
FDS MODE	CR-5T	EL-40																				CR-5T	CR-5T		
XB DATA RATE(MI)	40(30)																					160(32)	160(32)		
31 DSN COVERAGE 10 40 63 [D] 0800 - 1245 0635 63 [D] 60 60																								
32 DSN COVERAGE	1005 43 [B] 1350 40 0100 0200 34 [DAR] 0100 0200 36 [DA] 40																								
S/C 32 INITIAL CONDITIONS RTL: 31h 30m 0s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 30m 8s												0000 RTLT 31h 30m 16s COMMAND MORATORIUM												
	▼ 1112 DUMMY (5 MIN BRACKETED 18:43)												1925 - - - - - 0111 0119 CCSTIMB FINE												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	VGR												ON CALL												
NOTES	[3] S/C 31=GS-4B @ 0624 XB=2.8K(41) NOT RECOVERABLE [1] S/C 31=EL-40 @ 08:59 XB=40(30) [2] S/C 31=CR-5T @ 09:59 XB=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:	DEC 08												DEC 09												

ISSUE DATE: 12/15/16 06:52

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, 2016 344-345																										
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: 38h 11m 14s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 11m 18s												0000 RTLTL 38h 11m 22s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
31 DSN COVERAGE	1405 ----- 14 [D] ----- 1805												10 ----- 40 -----													
	63 [D] ----- 0910												60 ----- 0630 ----- 63 [D] ----- 60													
32 DSN COVERAGE	0945 ----- 43 [D] ----- 1345												0200 ----- 43 [DAR] ----- 0530 0230 ----- 36 [DA] ----- 0430 40 ----- 40													
S/C 32 INITIAL CONDITIONS RTLTL: 31h 30m 16s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 30m 24s												0000 RTLTL 31h 30m 32s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												EL-40 40(30)				CR-5T 160(32)									
VGR COVERAGE	ON CALL												VGR				ON CALL									
NOTES	[1] S/C 32=EL-40 @ 0228 XB=40(30) [2] S/C 32=CR-5T @ 0435 XB=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:	DEC 09												DEC 10													

ISSUE DATE: 12/15/16 06:52



ISSUE DATE: 12/15/16 06:52

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 11, 2016 346-347																										
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: 38h 11m 32s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 11m 36s												0000 RTLTL 38h 11m 40s													
	0924 0926 PWS/RH 0936 - - - 1033 TAPPOS																									
	↓ 0924 GS-4B 0926																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE10.....40.....													
	63 [D] 113560.....											0625 63 [D] 60.....													
32 DSN COVERAGE	0935 43 [D] 134040.....											40.....													
S/C 32 INITIAL CONDITIONS RTLTL: 31h 30m 48s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 30m 56s												0000 RTLTL 31h 31m 4s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0924 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 11													DEC 12												

ISSUE DATE: 12/15/16 06:52

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 12, 2016 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: 38h 11m 40s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF														1200 RTLT 38h 11m 44s														0000 RTLT 38h 11m 48s													
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)																											
31 DSN COVERAGE																																									
63 [D] 1110														10														40													
60																												60													
32 DSN COVERAGE																																									
0915 43 [D] 1315														40														0105 43 [D] 0505													
40																																									
S/C 32 INITIAL CONDITIONS RTLT: 31h 31m 4s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF														1200 RTLT 31h 31m 12s														0000 RTLT 31h 31m 18s													
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 12														DEC 13																											

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, 2016 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 RTLTL: 38h 11m 48s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 38h 11m 52s 1538 THERMAL TEST - 1822 ↓ 1552 BAY 1 HTR OFF ↓ 1554 GYROS BC ON ↓ 1604 PYR DB = .05/05/05 ↓ 1804 GYROS OFF ↓ 1806 BAY 1 HTR ON ↓ 1810 PYR DB = .05/10/25												0000 RTLTL 38h 11m 56s 2348 2348 PWS/RH ↓ 2348 GS-4B 2348												
FDS MODE	CR-5T				EL-40				CR-5T				CR-5T												
XB DATA RATE(MI)	160(32)				40(30)				160(32)				160(32)												
31 DSN COVERAGE	1445 ----- 14 [D] ----- 2000 ----- 10 ----- ----- 40 ----- 0615- 0745 ----- 63 [D] ----- 54 [DA] 0800 55 [DAR] 0800 ----- 60 -----																								
32 DSN COVERAGE	40 ----- 1935 ----- 43 [o] ----- 2210 ----- 40 -----																								
S/C 32 INITIAL CONDITIONS RTLTL: 31h 31m 18s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25/ GYROS: OFF	1200 RTLTL 31h 31m 26s												0000 RTLTL 31h 31m 34s 0144 PLSCAL - 0327 0144 ---- MAGCAL ---- 0447 0144 ---- PESCAL ---- 0504												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL								VGR								ON CALL								
NOTES	[1] S/C 31=EL-40 @ 1538 XB=40(30) [2] S/C 31=CR-5T @ 1822 XB=160(32) [3] S/C 31=GS-4B @ 2348 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												

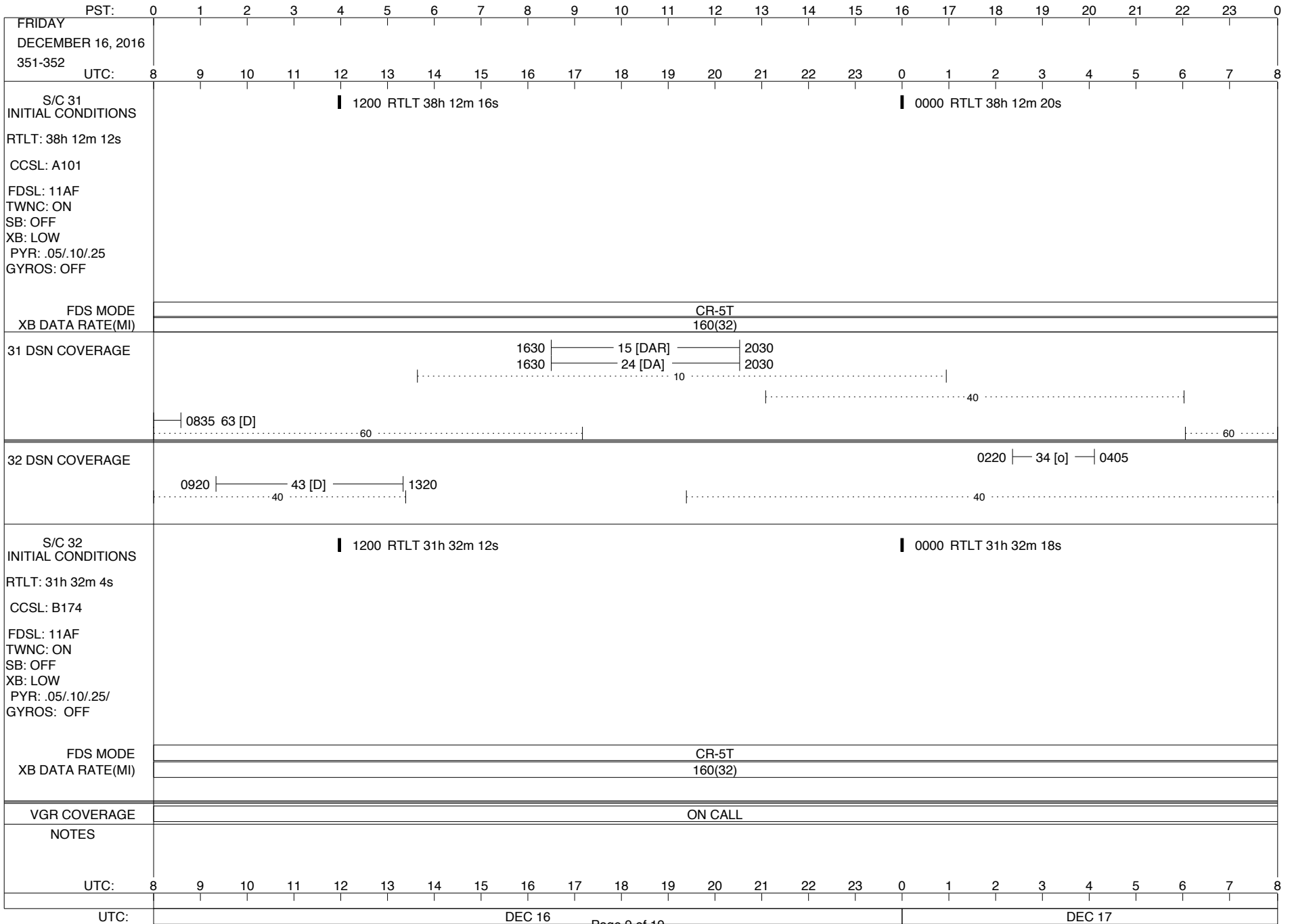
ISSUE DATE: 12/15/16 06:52

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, 2016																												
349-350																												
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 38h 12m 0s													0000 RTLT 38h 12m 4s														
RTLT: 38h 11m 56s	1431 ----- FULMRO ----- 2114																											
CCSL: A101	1445 - AACS - - 1628																											
FDSL: 11AF	U/L 1530 - - - - -													TLC (LONG-FORM) -----														
TWNC: ON	1629 - - - FDS - - - 1841																											
SB: OFF	▼ 1730 DUMMY (07:42)																											
XB: LOW	1841 CCSA - 1957																											
PYR: .05/.10/.25	1957 CCSB - 2113																											
GYROS: OFF	1431 ↓													↓ 2114														
FDS MODE	CR-5T									EL-40									CR-5T									
XB DATA RATE(MI)	160(32)									40(30)									160(32)									
31 DSN COVERAGE	1400 ----- 14 [T] ----- 0000													----- 40 -----														
	54 [DA] ----- 0800 - 1045 -----													----- 40 -----														
	55 [DAR] ----- 0800 - 1045 -----													0610 - 0745 ----- 63 [D] -----														
	60 -----													60 -----														
32 DSN COVERAGE	----- 40 -----													----- 40 ----- 0410 ----- 43 [o] -----														
S/C 32 INITIAL CONDITIONS	1200 RTLT 31h 31m 42s													0000 RTLT 31h 31m 48s														
RTLT: 31h 31m 34s																												
CCSL: B174																												
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	[1] S/C 31=EL-40 @ 1959 XB=40(30)																											
	[2] S/C 31=CR-5T @ 2114 XB=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:	DEC 14													DEC 15														

ISSUE DATE: 12/15/16 06:52

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 15, 2016 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 RTLTL: 38h 12m 4s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 12m 8s												0000 RTLTL 38h 12m 12s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1520 ----- 25 [DAR] ----- 1925 1520 ----- 26 [DA] ----- 1925												0259 ----- 0410 TAPPOS PWS/RH 0601 0602 0613- 0737 TAPPOS 0601 GS-4B 0602 ↓												
32 DSN COVERAGE	43 [o] ----- 1325												2330 43 [D] 0030												
S/C 32 INITIAL CONDITIONS RTLTL: 31h 31m 48s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 31m 56s												0000 RTLTL 31h 32m 4s												
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 @ 0601 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 15												DEC 16												

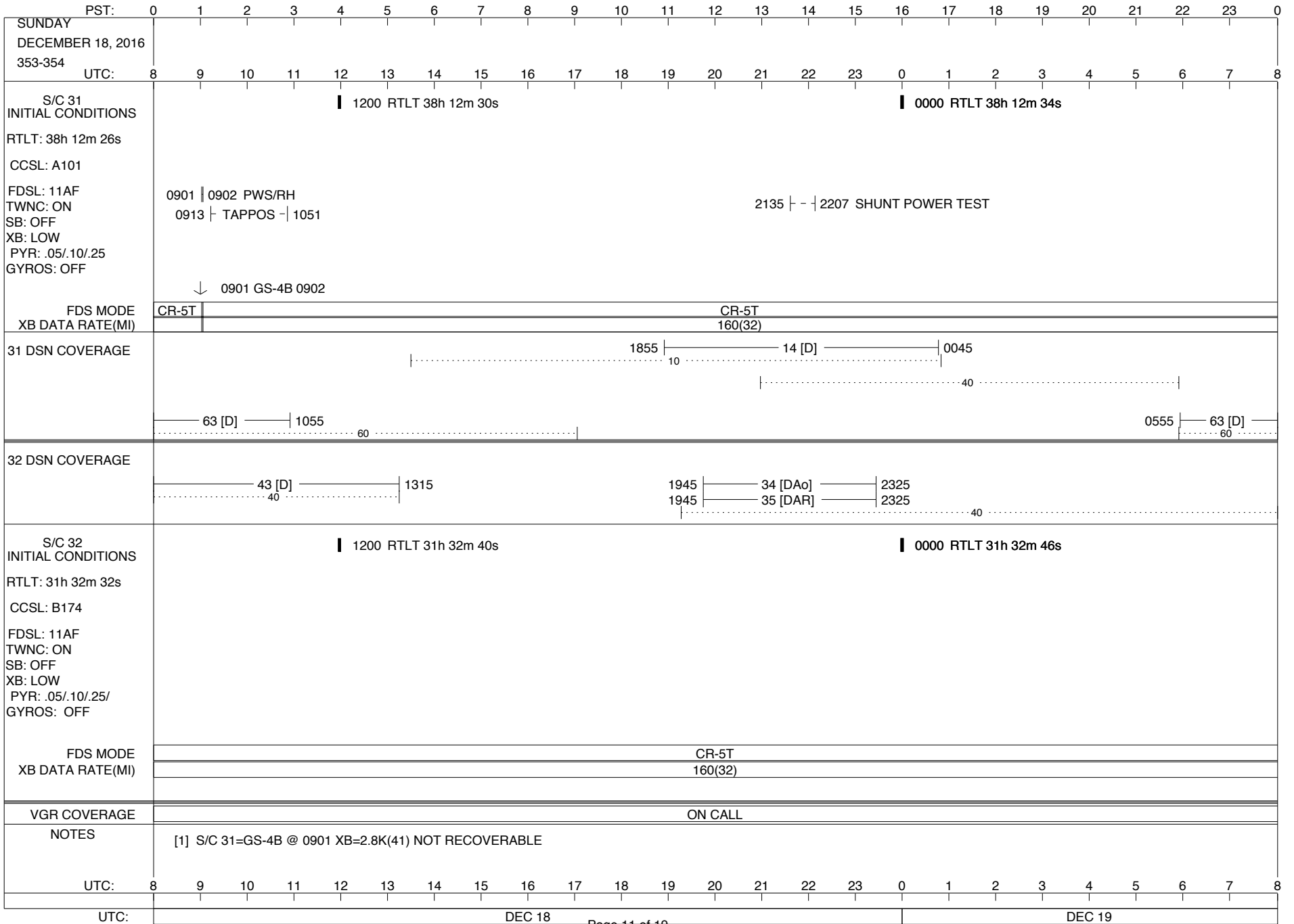
ISSUE DATE: 12/15/16 06:52



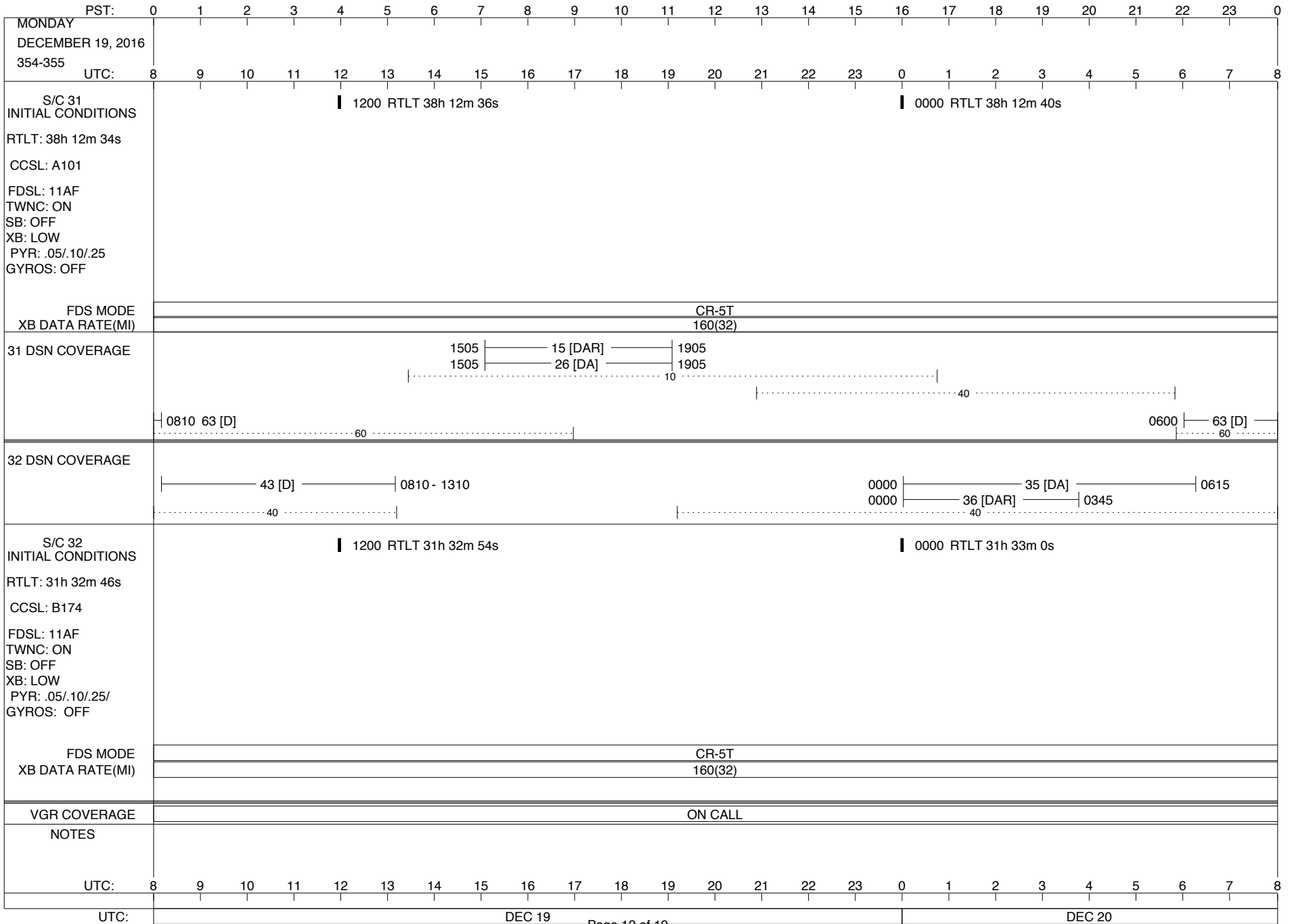
ISSUE DATE: 12/15/16 06:52

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 17, 2016 352-353																										
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: 38h 12m 20s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 38h 12m 24s												█ 0000 RTLTL 38h 12m 26s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE 10 40 													
	1255 ----- 63 [1] ----- 1725						60						0600 ----- 63 [D] -----						60							
32 DSN COVERAGE	0855 ----- 43 [D] ----- 1315											 40 													
	40						0655 43 [D]						40													
S/C 32 INITIAL CONDITIONS RTLTL: 31h 32m 18s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 31h 32m 26s												█ 0000 RTLTL 31h 32m 32s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL						VGR						ON CALL													
NOTES	[1] DSS-63 UPLINK SIGNAL GENERATOR COMMMAND TEST																									
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 17												DEC 18													

ISSUE DATE: 12/15/16 06:52



ISSUE DATE: 12/15/16 06:52



ISSUE DATE: 12/15/16 06:52

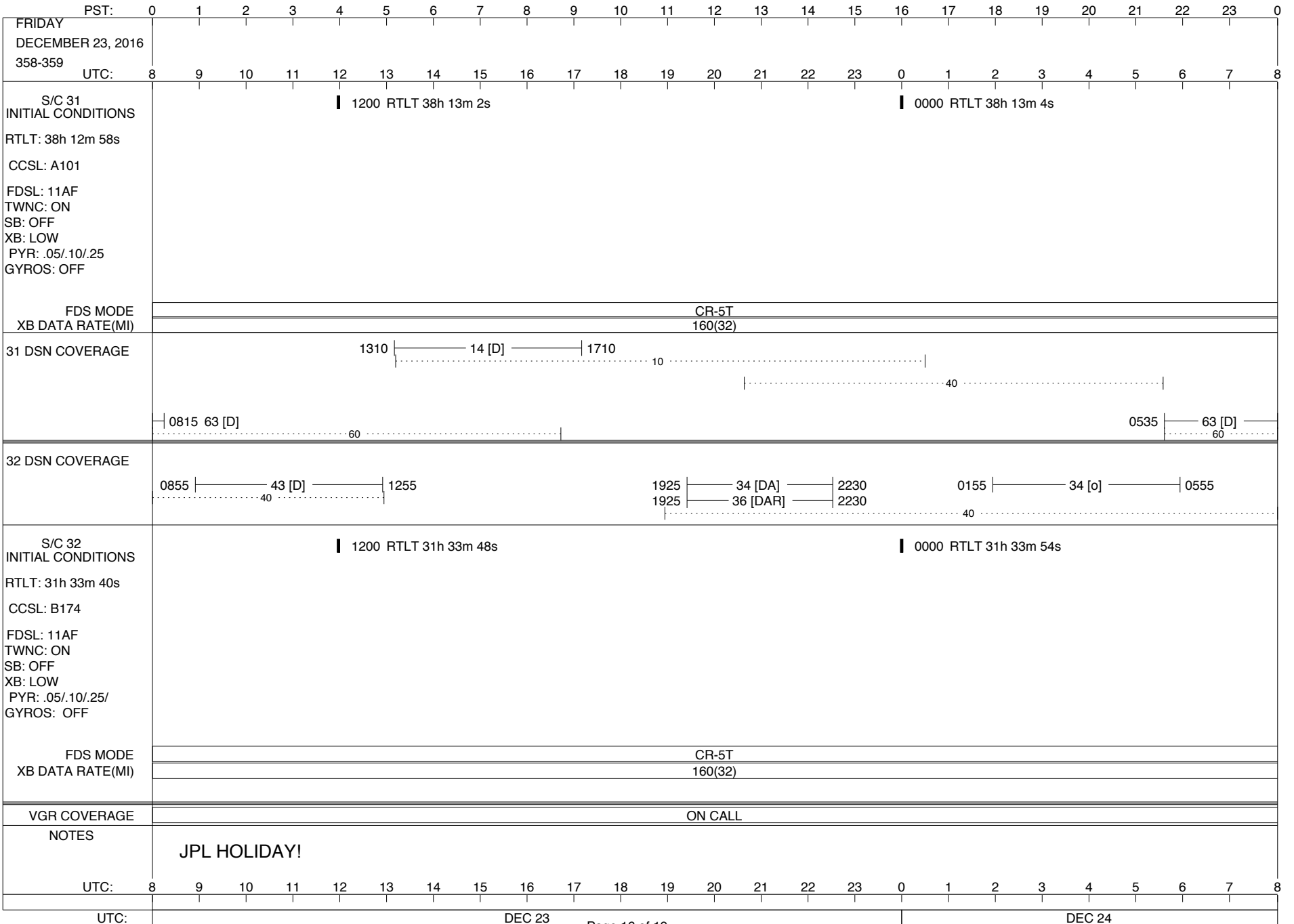
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
TUESDAY DECEMBER 20, 2016 355-356																												
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLT: 38h 12m 40s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 12m 44s														0000 RTLT 38h 12m 46s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	1535 ----- 14 [T] ----- 1935														10													
	63 [D] ----- 1120														60													
															40													
															0550 - 0745 ----- 63 [D] ----- 60													
32 DSN COVERAGE															0000 36 [D] 0100													
															0100 ----- 35 [D] -----													
	40														40													
S/C 32 INITIAL CONDITIONS RTLT: 31h 33m 0s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 33m 8s														0000 RTLT 31h 33m 14s													
FDS MODE	CR-5T														EL-40													
XB DATA RATE(MI)	160(32)														40(30)													
VGR COVERAGE	ON CALL							VGR							ON CALL							VGR						
NOTES	[1] S/C 31=GS-4B @ 2324 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32=EL-40 @ 0551 XB=40(30)																											
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													

ISSUE DATE: 12/15/16 06:52

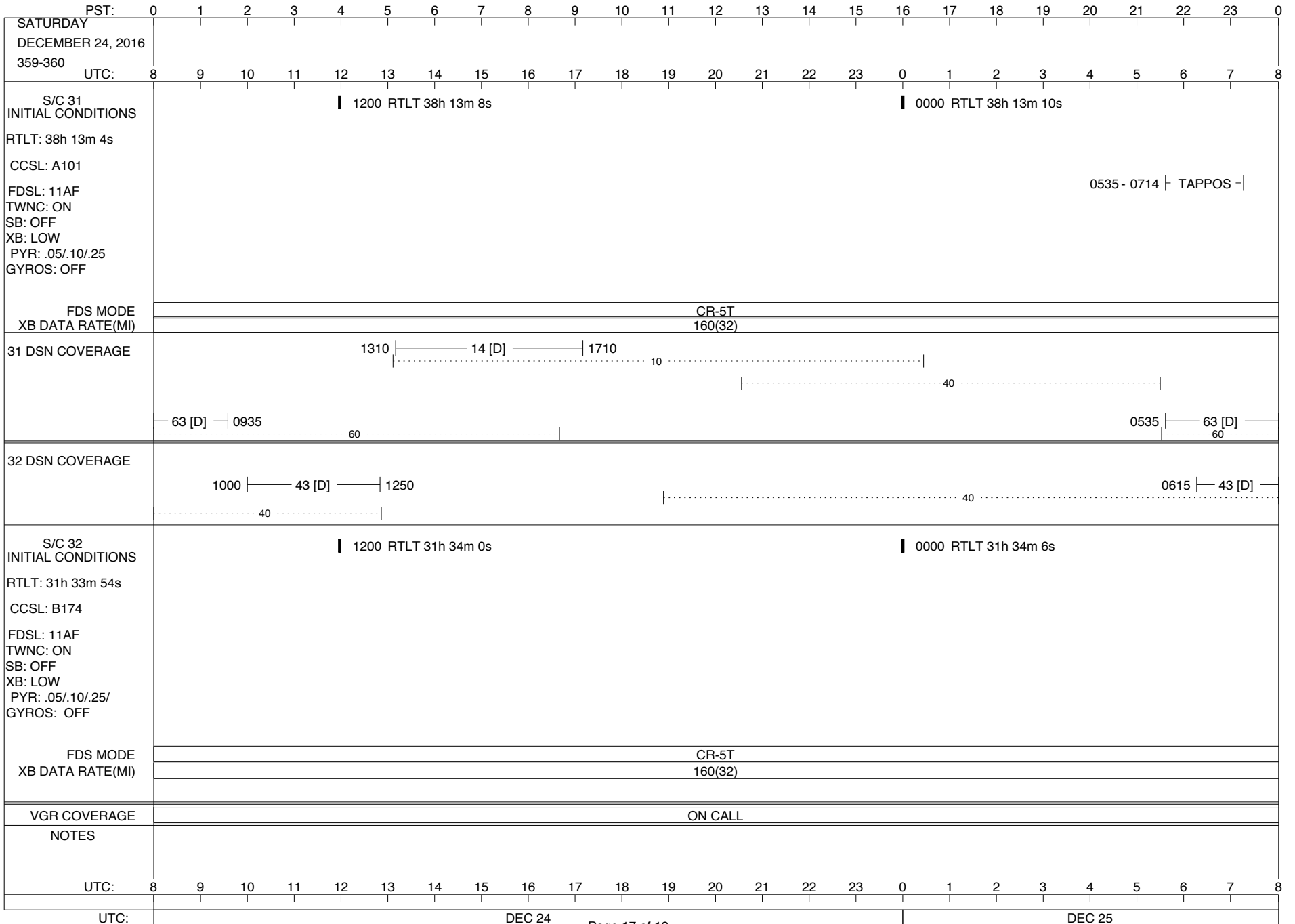
PST:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
WEDNESDAY DECEMBER 21, 2016 356-357	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLT: 38h 12m 46s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 12m 50s												0000 RTLT 38h 12m 52s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1320 ----- 14 [D] ----- 1720												10												
	60												40												
	0545 ----- 63 [D] -----												60												
32 DSN COVERAGE	0805 35 [D]												0405 ----- 43 [D] -----												
	0915 ----- 43 [B] ----- 1300												40												
S/C 32 INITIAL CONDITIONS RTLT: 31h 33m 14s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 33m 22s												0000 RTLT 31h 33m 28s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL				VGR				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 21												DEC 22												

ISSUE DATE: 12/15/16 06:52

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 22, 2016 357-358																										
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: 38h 12m 52s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 38h 12m 56s												0000 RTLT 38h 12m 58s													
	0811 D/L												0235 - TAPPOS - 0428 0538 0539 PWS/RH 0549 - 0727 TAPPOS -													
													0537 GS-4B 0539 ↓													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1455 25 [DAR] 1945 1455 26 [DA] 1945												10 40 0540 63 [D] 60													
32 DSN COVERAGE	43 [D] 1255 40												1915 43 [o] 2150 40													
S/C 32 INITIAL CONDITIONS RTLTL: 31h 33m 28s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 31h 33m 34s												0000 RTLT 31h 33m 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 @ 0537 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 22												DEC 23													



ISSUE DATE: 12/15/16 06:52



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 25, 2016 360-361	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: 38h 13m 10s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 38h 13m 12s												0000 RTLTL 38h 13m 16s												
0838 - 0839 PWS/RH 0849 TAPPOS 1014 ↓ 0837 GS-4B 0839																									
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<p>Timeline for 31 DSN COVERAGE:</p> <ul style="list-style-type: none"> 0830 63 [D] (Duration 60) 1630 14 [D] (Duration 10) 0020 40 (Duration 40) 0530 63 [D] (Duration 60) 																								
32 DSN COVERAGE	<p>Timeline for 32 DSN COVERAGE:</p> <ul style="list-style-type: none"> 43 [D] 40 (Duration 40) 1245 1850 (Duration 43 [D]) 43 [D] 40 (Duration 40) 																								
S/C 32 INITIAL CONDITIONS RTLTL: 31h 34m 6s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 31h 34m 12s												0000 RTLTL 31h 34m 20s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0837 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 0837 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 25												DEC 26												

ISSUE DATE: 12/15/16 06:52

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 26, 2016 361-362	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: 38h 13m 16s CCSL: A101 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 38h 13m 18s</p> </div>																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	<div style="text-align: center;"> <p>1435 ----- 25 [DAR] ----- 1805 1435 ----- 26 [DA] ----- 1805</p> <p>63 [D] ----- 115060..... </p> </div>																								
32 DSN COVERAGE	<div style="text-align: center;"> <p>0850 43 [D] ----- 1845 ----- 43 ----- 224540..... </p> </div>																								
S/C 32 INITIAL CONDITIONS RTLT: 31h 34m 20s CCSL: B174 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 31h 34m 26s</p> </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:	DEC 26												DEC 27												