

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: August 15, 2012

For the Period: 08/16/12 to 09/04/12 (12-229 – 12-247)

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

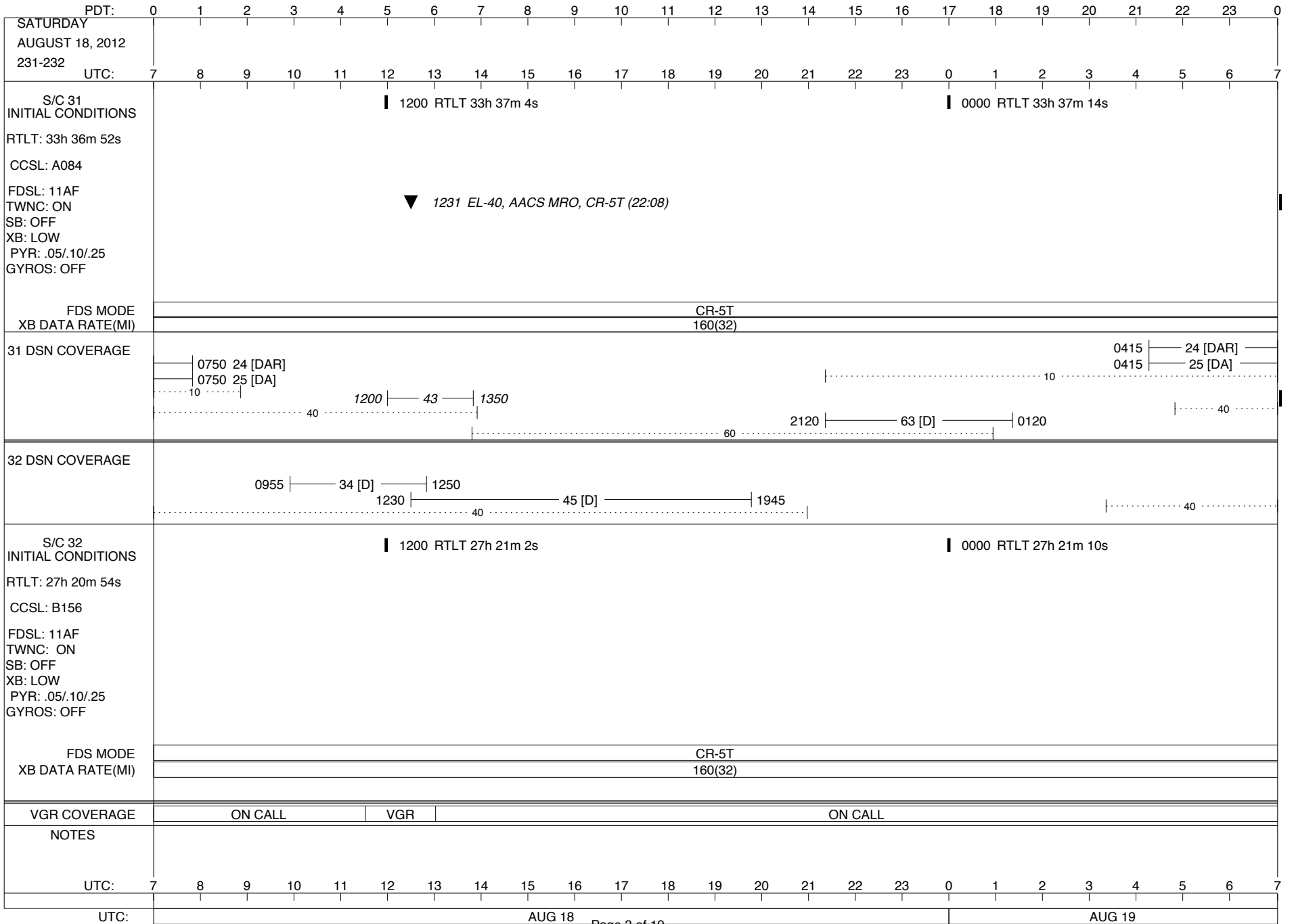
ISSUE DATE: 08/21/12 17:09

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		
THURSDAY AUGUST 16, 2012 229-230																											
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 36m 6s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 33h 36m 18s												| 0000 RTLT 33h 36m 28s														
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE	25 [DA] | 0820 15 [DAR] | 2145 | 63 | 0130 10 ..... | ..... 10 40 ..... | ..... 60 ..... | ..... 40																										
32 DSN COVERAGE	1215 | 45 [D] | 1915 40 ..... | ..... 40																										
S/C 32 INITIAL CONDITIONS RTLT: 27h 20m 20s CCSL: B156 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 27h 20m 28s												| 0000 RTLT 27h 20m 36s														
FDS MODE													CR-5T														
XB DATA RATE(MI)													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:	AUG 16														AUG 17												

ISSUE DATE: 08/21/12 17:09

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	
FRIDAY AUGUST 17, 2012 230-231	
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 36m 28s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 33h 36m 40s</p> <p>1316 | - - TAPPOS - - | 1533</p> <p>1618 | 1619 PWS/RH</p> <p>1826 | - TAPPOS - - | 2029</p> <p>↓ 1618 GS-4B 1619</p> <p>0000 RTLT 33h 36m 52s</p>
FDS MODE XB DATA RATE(MI)	<p>CR-5T 160(32)</p> <p>CR-5T 160(32)</p>
31 DSN COVERAGE	<p>2310 | 14 [D] | 0315</p> <p>0255 | 24 [DAR]</p> <p>0255 | 25 [DAR]</p> <p>10</p> <p>2055 | 55 [DA] | 2330</p> <p>2055 | 54 [DAR] | 2330</p> <p>10</p> <p>40</p> <p>60</p>
32 DSN COVERAGE	<p>0955 | 45 [D] | 1910</p> <p>40</p> <p>40</p>
S/C 32 INITIAL CONDITIONS RTLT: 27h 20m 36s CCSL: B156 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 27h 20m 46s</p> <p>0000 RTLT 27h 20m 54s</p>
FDS MODE XB DATA RATE(MI)	<p>CR-5T 160(32)</p>
VGR COVERAGE	ON CALL
NOTES	[1] S/C 31=GS-4B @ 1618 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: AUG 17 | AUG 18	

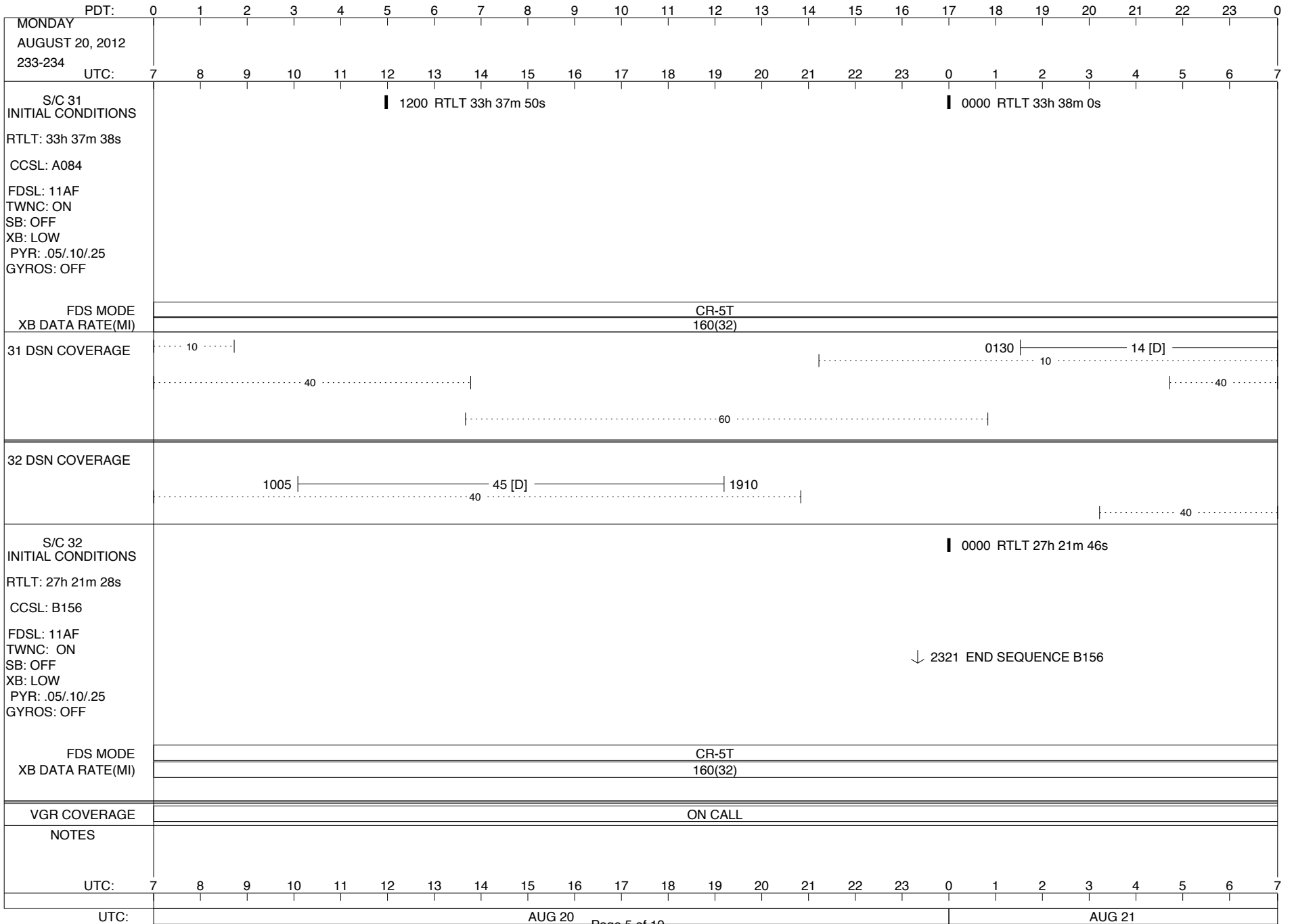
ISSUE DATE: 08/21/12 17:09



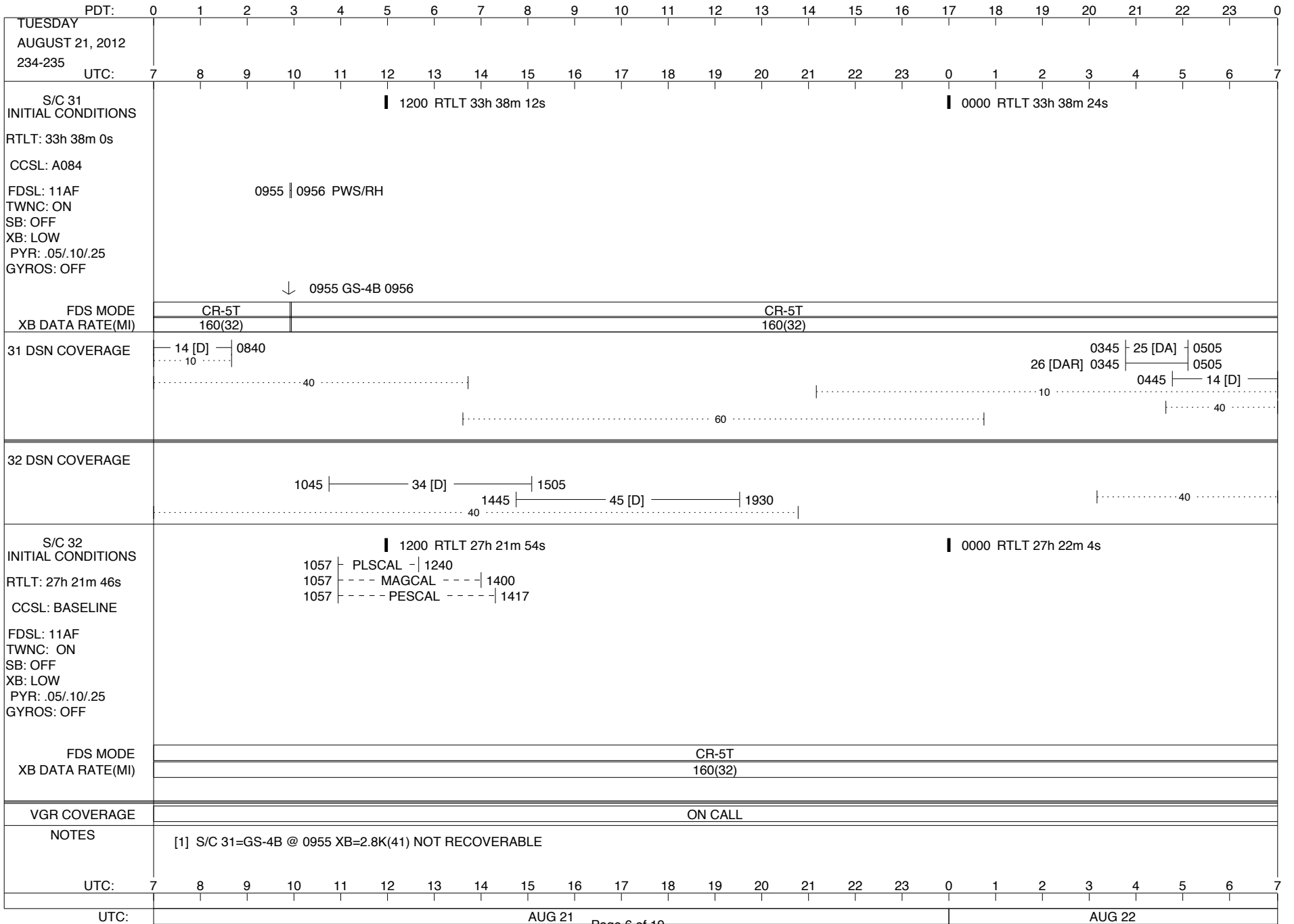
ISSUE DATE: 08/21/12 17:09

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										
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										
SUNDAY AUGUST 19, 2012 232-233																																			
S/C 31 INITIAL CONDITIONS RTLTL: 33h 37m 14s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 37m 26s												0000 RTLT 33h 37m 38s																						
FDS MODE XB DATA RATE(MI)	CR-5T												EL-40				CR-5T																		
31 DSN COVERAGE	<p>0805 24 [DAR] 10</p> <p>0805 25 [DA] 10</p> <p>1215 | 43 [D] | 1350</p> <p>2015 | 2135 54 [DAR] 40</p> <p>2015 | 55 [DA] | 2135</p> <p>2115 | 63 [D] | 0115</p> <p>..... 40</p> <p>..... 60</p>																																		
32 DSN COVERAGE	<p>0905 | 45 [D] | 1235</p> <p>1450 | 43 [B] | 1715</p> <p>..... 40</p> <p>..... 40</p>																																		
S/C 32 INITIAL CONDITIONS RTLTL: 27h 21m 10s CCSL: B156 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 21m 20s												0000 RTLT 27h 21m 28s																						
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																																		
VGR COVERAGE	ON CALL							VGR							ON CALL							VGR							ON CALL						
NOTES	<p>[1] SC 31=EL-40 40(30) @ 2210</p> <p>[2] SC 31=CR-5T 160(32) @ 2342</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:	AUG 19														AUG 20																				

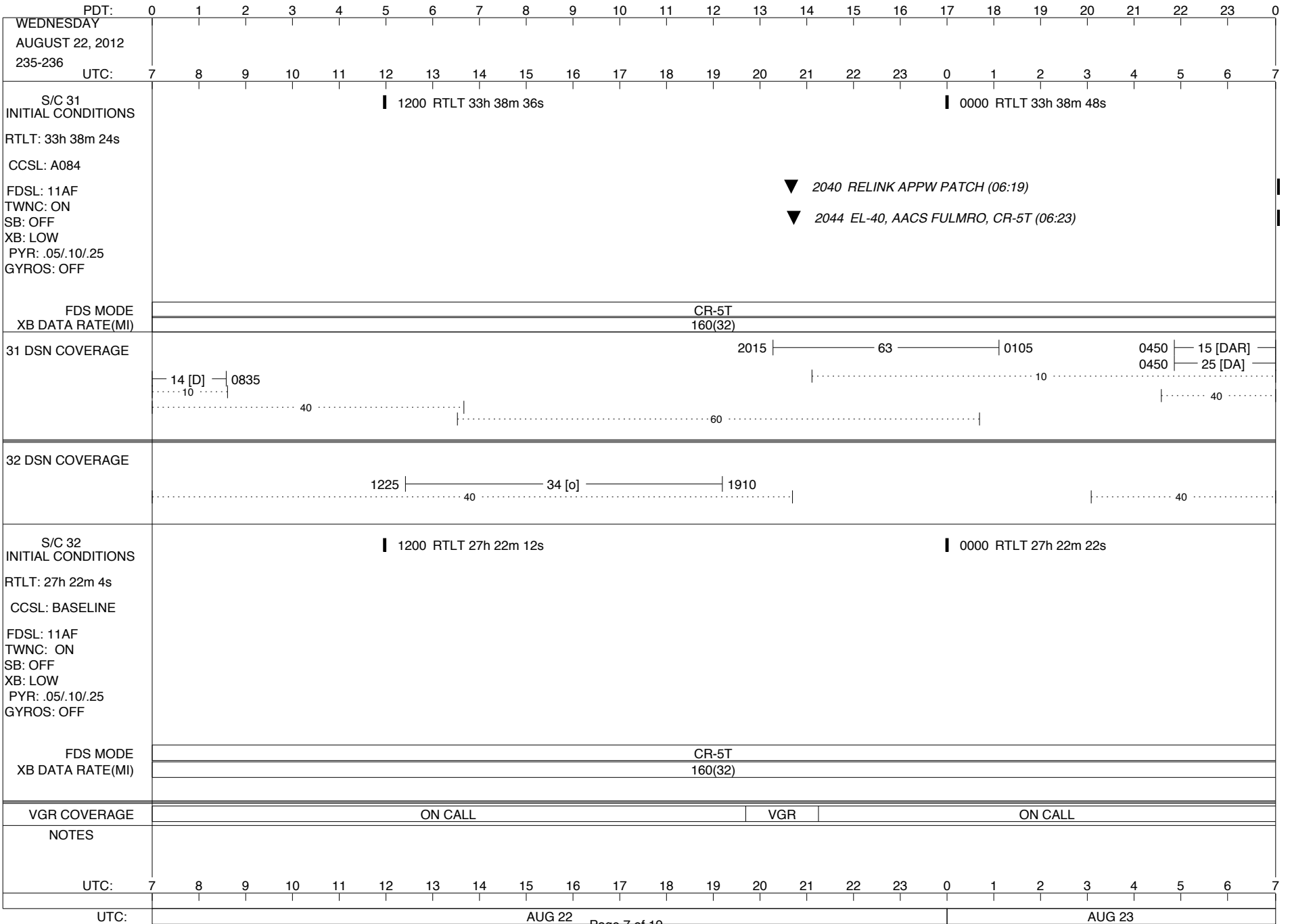
ISSUE DATE: 08/21/12 17:09



ISSUE DATE: 08/21/12 17:09



ISSUE DATE: 08/21/12 17:09

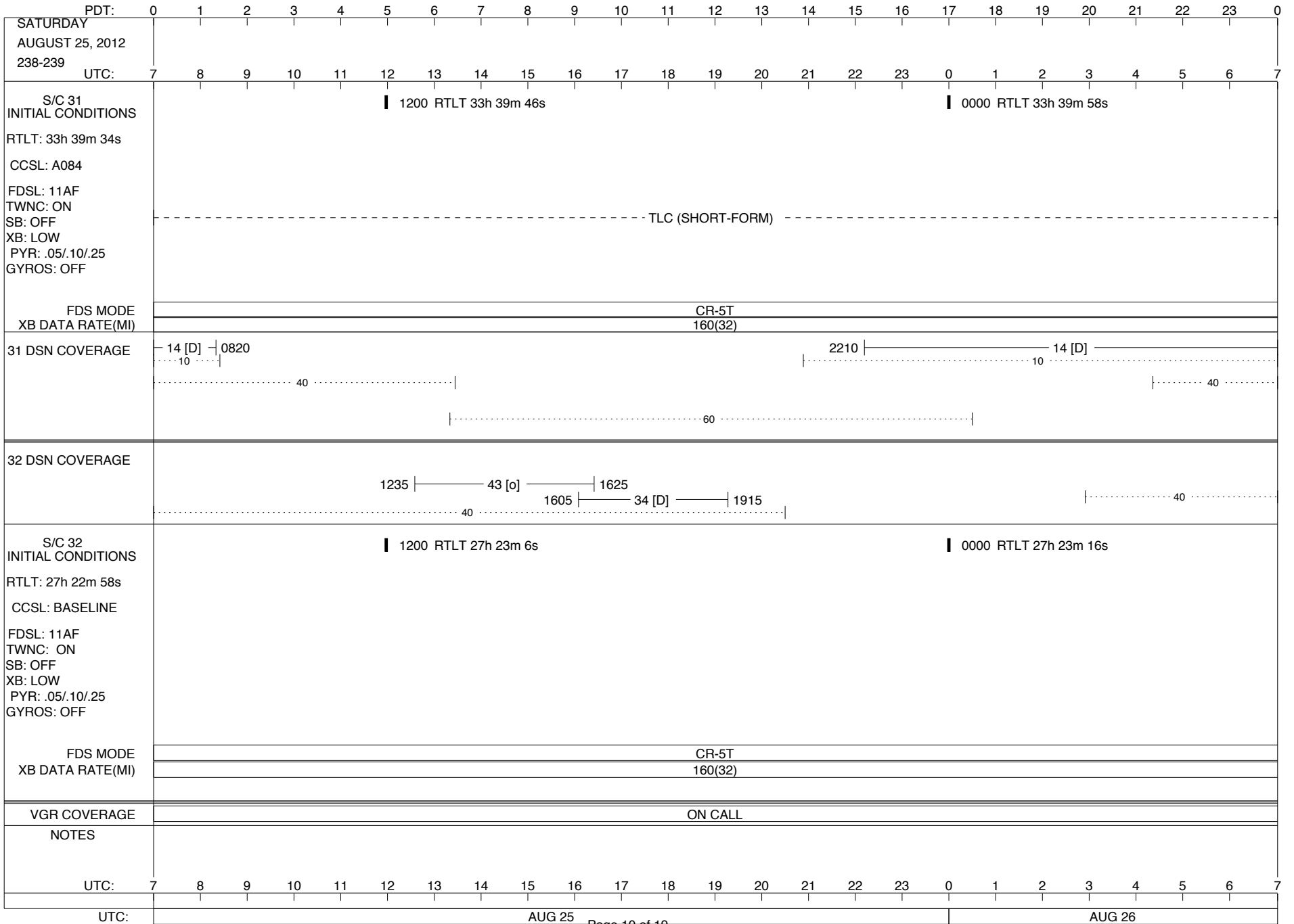


ISSUE DATE: 08/21/12 17:09

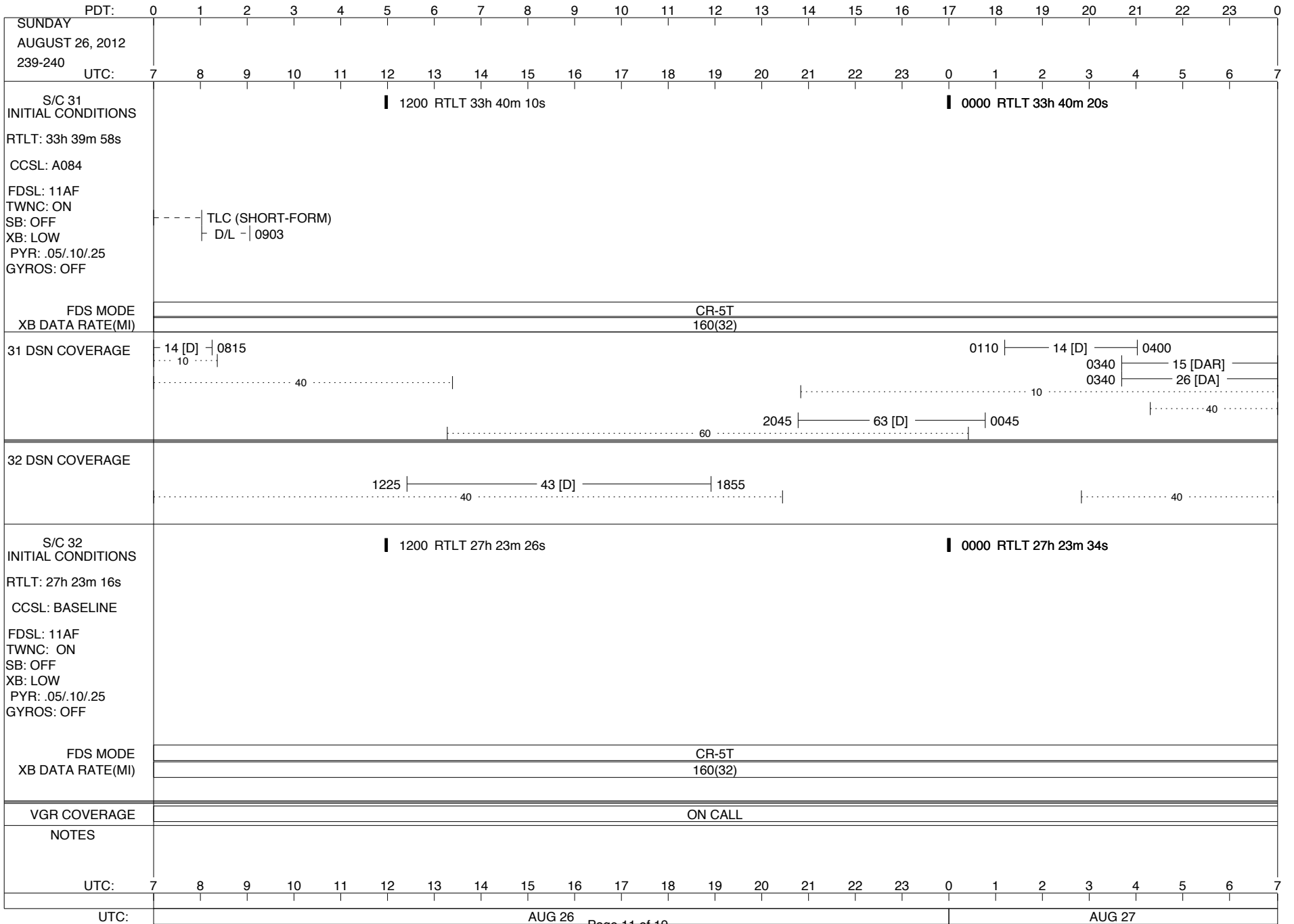
PDT:		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0			
THURSDAY AUGUST 23, 2012 236-237																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 33h 38m 48s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		| 1200 RTLT 33h 38m 58s														| 0000 RTLT 33h 39m 10s													
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS RTLT: 27h 22m 22s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		| 1200 RTLT 27h 22m 30s														| 0000 RTLT 27h 22m 40s													
FDS MODE		CR-5T																											
XB DATA RATE(MI)		160(32)																											
VGR COVERAGE		ON CALL																											
NOTES		[1] S/C 31=EL-40 XB=40(30) @ 0625																											
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:		AUG 23														AUG 24													

ISSUE DATE: 08/21/12 17:09

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	
FRIDAY AUGUST 24, 2012 237-238																										
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: 33h 39m 10s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 39m 22s												0000 RTLTL 33h 39m 34s													
	1254 | TAPPOS - | 1443												1555 | 1556 PWS/RH													
	0823 AAC S MRO												1803 | TAPPOS - | 1939													
	* ↓ 0825 CR-5T												↓ 1555 GS-4B 1556													
FDS MODE	EL-40												CR-5T													
XB DATA RATE(MI)	40(30)												160(32)													
31 DSN COVERAGE	14 [D] | 0825												0430 | 14 [D]													
	.....10.....												.....10.....											
	.....40.....												.....40.....											
	.....60.....												2130 | 63 [T] | 2310												
32 DSN COVERAGE	1220 | 43 [D] | 1550												1530 | 34 [D] | 1905													
	.....40.....												.....40.....											
S/C 32 INITIAL CONDITIONS RTLTL: 27h 22m 40s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 22m 48s												0000 RTLTL 27h 22m 58s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE	VGR												ON CALL													
NOTES	[1] S/C 31=CR-5T XB=160(32) @ 0825 [2] S/C 31=GS-4B @ 1555 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:	AUG 24												AUG 25													

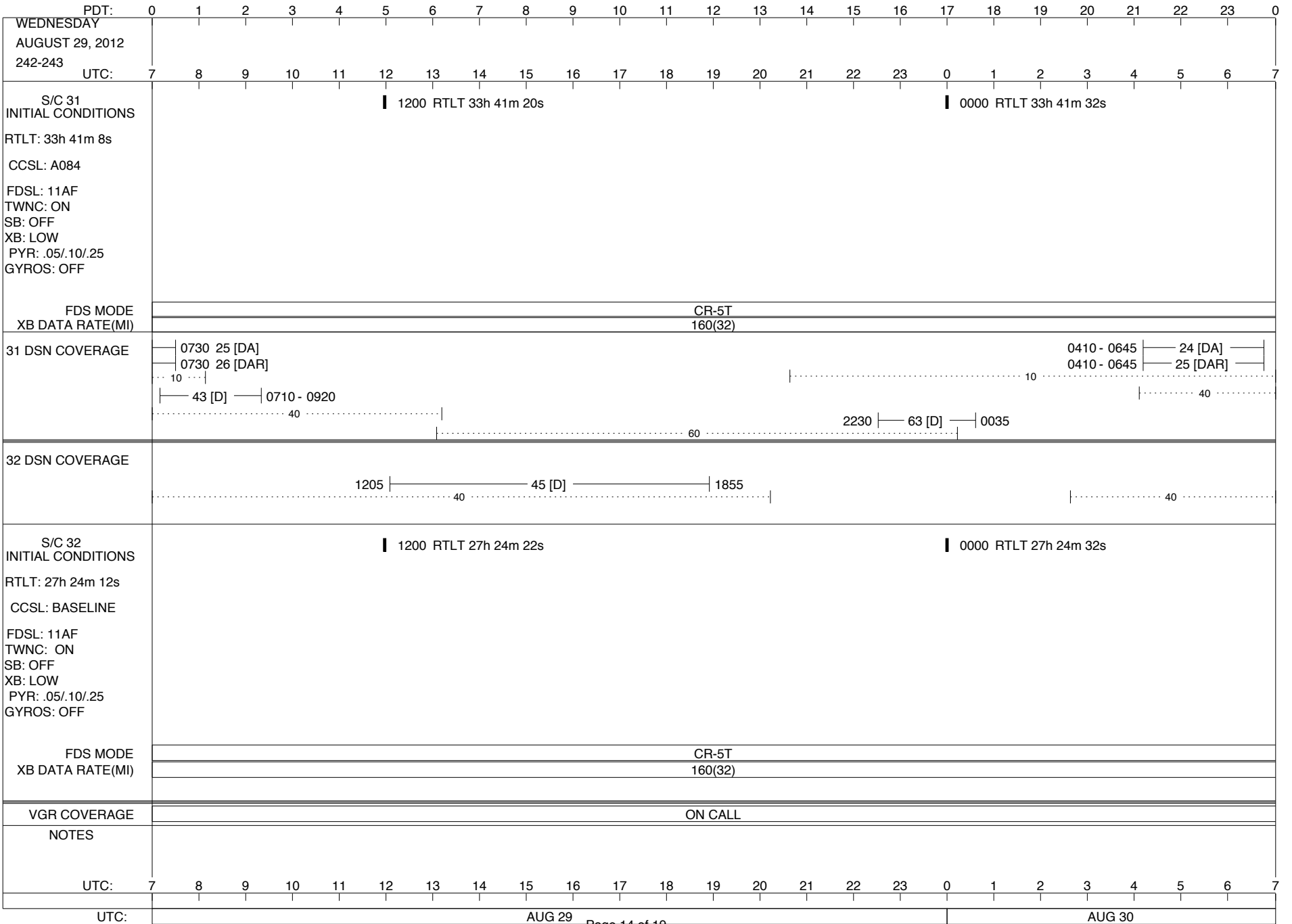


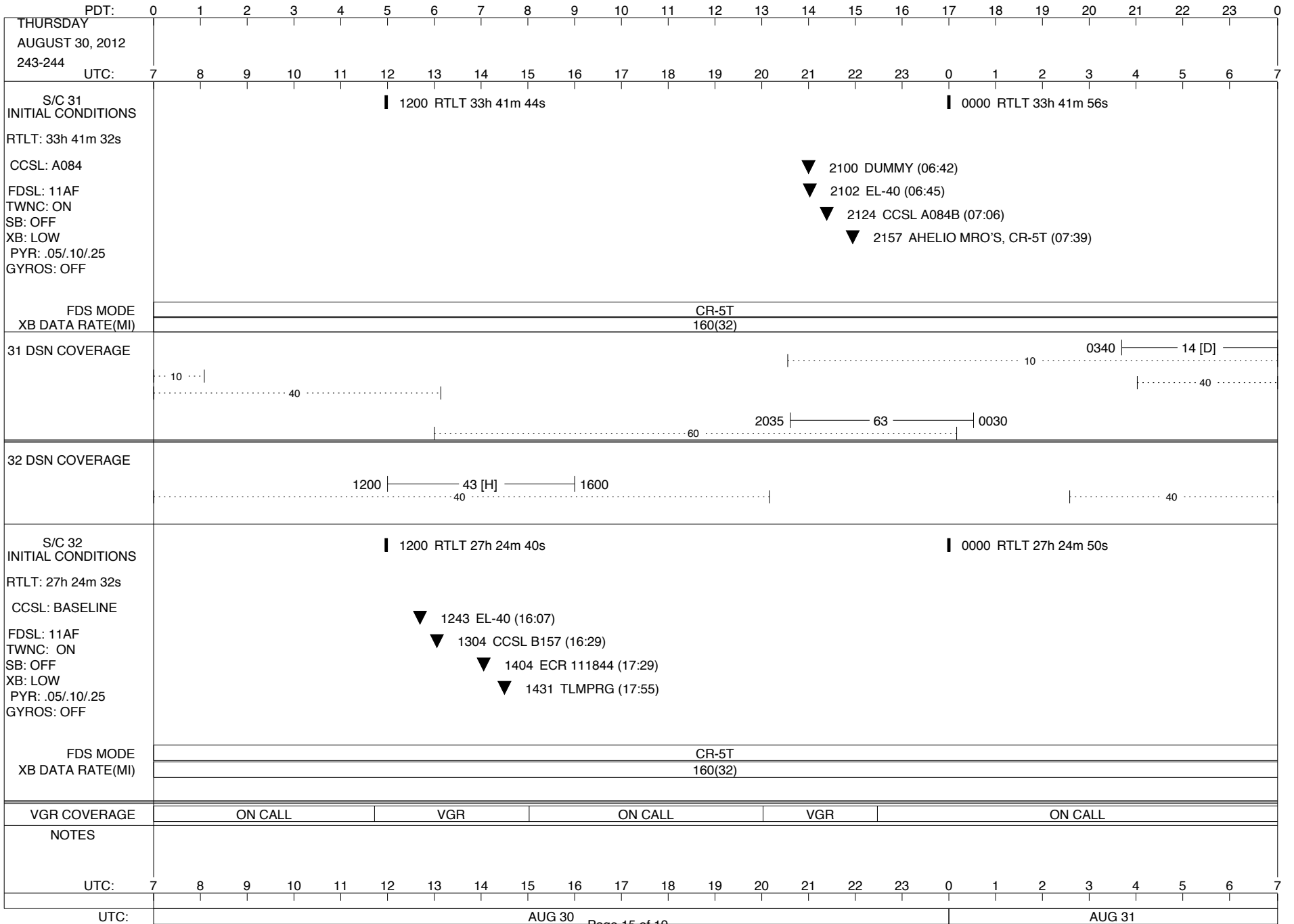
ISSUE DATE: 08/21/12 17:09



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 AUGUST 28, 2012 241-242	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: 33h 40m 44s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 40m 56s												0000 RTLTL 33h 41m 8s												
	0932 | 0933 PWS/RH																								
	↓ 0932 GS-4B 0933																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0725 15 [DA] 0725 26 [DAR] 10												0410 25 [DA] 0410 26 [DAR] 10												
	40												2240 63 [D] 0040 40												
32 DSN COVERAGE	1200 43 [o] 1620												40 40												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 23m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 24m 2s												0000 RTLTL 27h 24m 12s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0932 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:	AUG 28												AUG 29												

ISSUE DATE: 08/21/12 17:09





ISSUE DATE: 08/21/12 17:09

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			
FRIDAY AUGUST 31, 2012 244-245																												
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 41m 56s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 42m 6s												0000 RTLT 33h 42m 18s															
	1231 | TAPPOS | 1353												1533 | 1534 PWS/RH															
													1740 | - - - - | 1848 TAPPOS															
													↓ 1533 GS-4B 1534															
													EL-40 0645 ↓ *															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	0755 14 [D]												0320 14 [D]															
	.....10.....												.....10.....													
	.....40.....												.....40.....													
													2040 63 [D] 0025															
	.....60.....																										
32 DSN COVERAGE	1405 43 [D]												2000															
	.....40.....												.....40.....													
S/C 32 INITIAL CONDITIONS RTLT: 27h 24m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 25m 0s												0000 RTLT 27h 25m 10s															
													* 1646 || 1650 B157 CHKSUM															
													* 1730 || 1732 ECR 111844 RECEIPT															
													* 1758 || 1806 TLMPRG															
	EL-40 1608 ↓ *												↓ * 1808 CR-5T															
FDS MODE	CR-5T												EL-40						CR-5T									
XB DATA RATE(MI)	160(32)												40(30)						160(32)									
VGR COVERAGE	ON CALL												VGR						ON CALL									
																			VGR									
NOTES	[1] S/C 31=GS-4B @ 1533 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:	AUG 31														SEP 01													

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 SEPTEMBER 1, 2012 245-246																									
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: 33h 42m 18s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 33h 42m 30s												| 0000 RTLTL 33h 42m 42s												
	* || 0711 - 0715 A084B CHKSUM																								
	* | 0741 - 0742 2 AHELIO CCS SID MRO'S																								
	* ↓ 0745 CR-5T																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	| 0750 14 [D]										| 0340 14 [D]														
	.....10 .....										.....10													
	.....40 .....										.....40													
	.....60										2005 | 63 [D] | 0020													
32 DSN COVERAGE	1000 | 45 [D] | 1520										.....40													
S/C 32 INITIAL CONDITIONS RTLTL: 27h 25m 10s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 27h 25m 20s												| 0000 RTLTL 27h 25m 30s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	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:	SEP 01												SEP 02												

ISSUE DATE: 08/21/12 17:09

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 SEPTEMBER 2, 2012 246-247																									
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 42m 42s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 33h 42m 54s												| 0000 RTLT 33h 43m 6s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0745 14 [D]												0425 25 [DAR]												
	10												0425 26 [DA]												
	40												10												
													2045 63 [D]												
													0020												
													60												
32 DSN COVERAGE	1550 43 [D]												2000												
	40												40												
S/C 32 INITIAL CONDITIONS RTLT: 27h 25m 30s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 27h 25m 40s												| 0000 RTLT 27h 25m 50s												
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:	SEP 02												SEP 03												

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 SEPTEMBER 3, 2012 247-248																											
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: 33h 43m 6s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">| 1200 RTLTL 33h 43m 18s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<p>0705 25 [DAR] 0705 26 [DA] 10 ..|</p> <p>.....40.....|</p> <p>.....60.....|</p>																										
32 DSN COVERAGE	<p>1145 |-----43 [D]-----| 1620</p> <p>.....40.....|</p>																										
S/C 32 INITIAL CONDITIONS RTLTL: 27h 25m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">| 1200 RTLTL 27h 26m 0s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 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:	SEP 03													SEP 04													