

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: August 22, 2012

For the Period: 08/23/12 to 09/11/12 (12-236 – 12-254)

**DSN OPSCHIEF (1) 230-102**

**SCIENCE**

**FLIGHT TEAM (14) 600-100**

**DSOT (1) 230-102**

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 MAG \*u2mha@lepvox.gsfc.nasa.gov  
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 PWS \*wsk@space.physics.uiowa.edu  
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 Howard, S. (3)  
 Ludwig, R. (2)  
 Matsumoto, S.  
 Medina, E.  
 Peralta, F.  
 Weeks, T.  
 Wong, R.  
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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

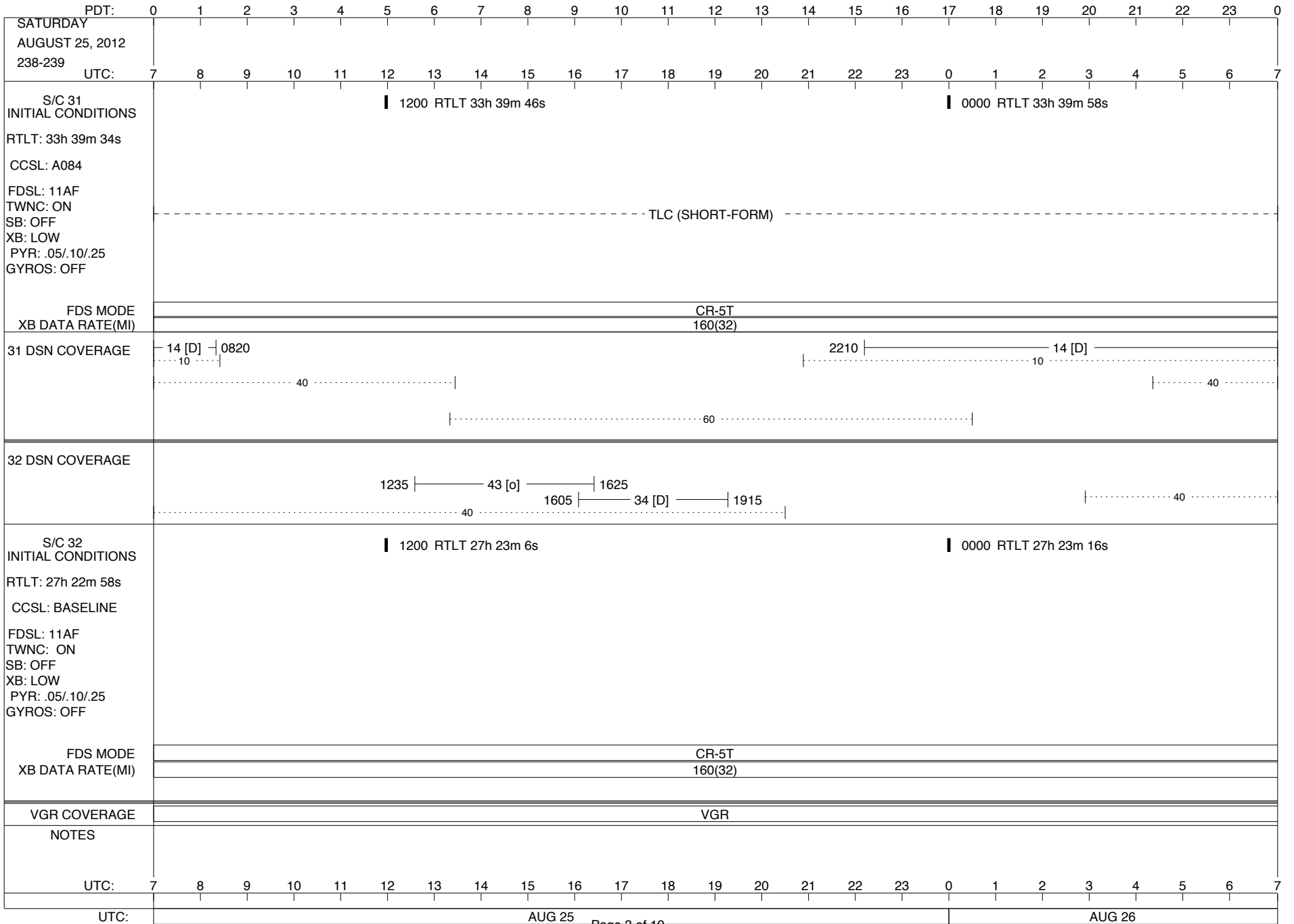
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THURSDAY AUGUST 23, 2012 236-237																												
S/C 31 INITIAL CONDITIONS RTLT: 33h 38m 48s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 38m 58s														0000 RTLT 33h 39m 10s													
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE	0710 15 [DAR] 0710 25 [DA] ..... 10 .....														0420  ----- 14 [D] ----- ..... 10 ..... ..... 40 ..... ..... 60 .....													
32 DSN COVERAGE	1225  ----- 34 [o] ----- ..... 40 .....														1920  ----- 40 .....													
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																											VGR
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			
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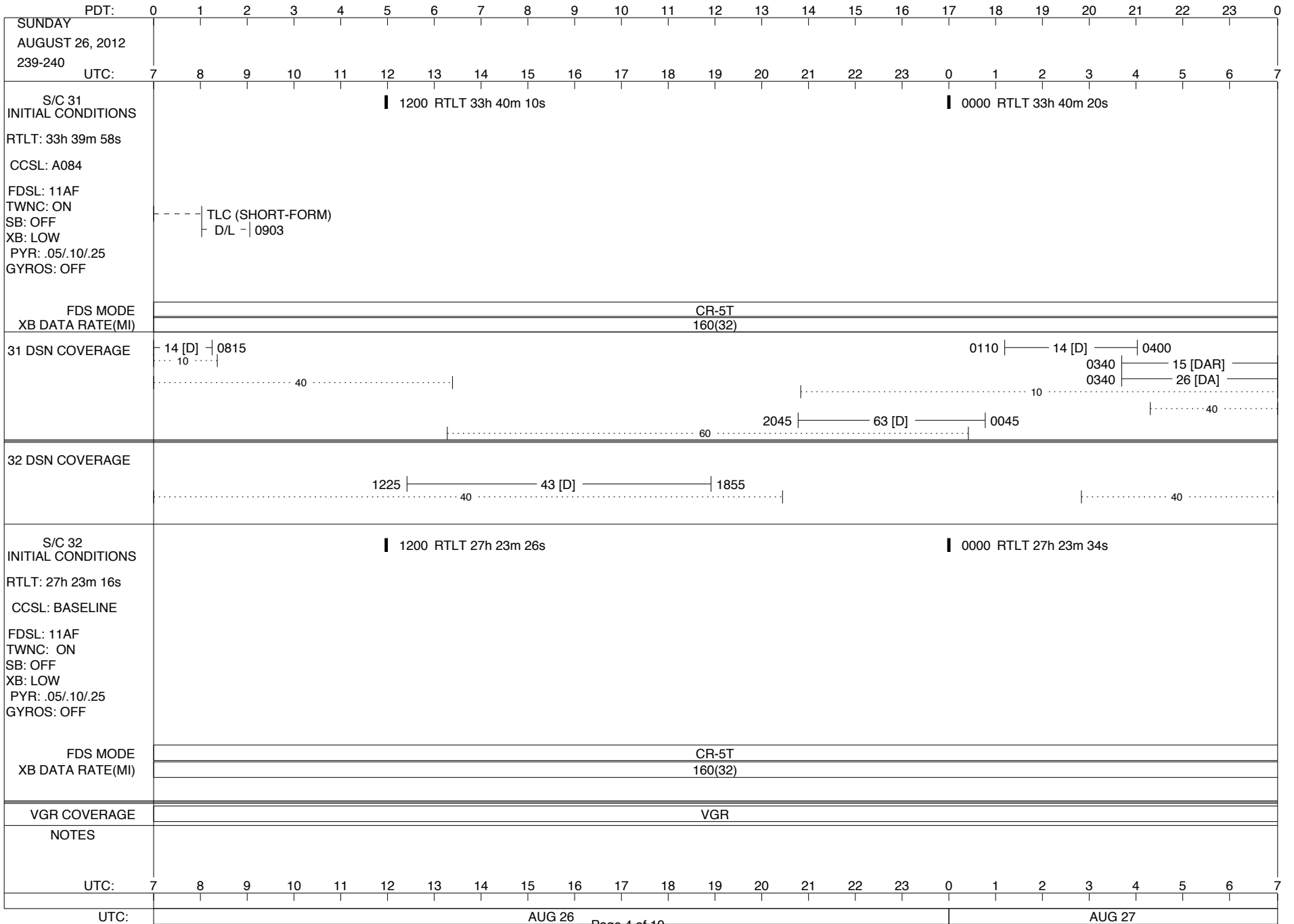
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 39m 10s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 39m 22s												0000 RTLTL 33h 39m 34s												
FDS MODE	EL-40												CR-5T												
XB DATA RATE(MI)	40(30)												160(32)												
31 DSN COVERAGE	14 [D] 0825 .....10..... .....40.....												0430 14 [D] .....10..... .....40..... 2130 63 [T] 2310 .....60.....												
32 DSN COVERAGE	1220 43 [D] 1550 .....40.....1530.....34 [D].....1905												.....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												
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
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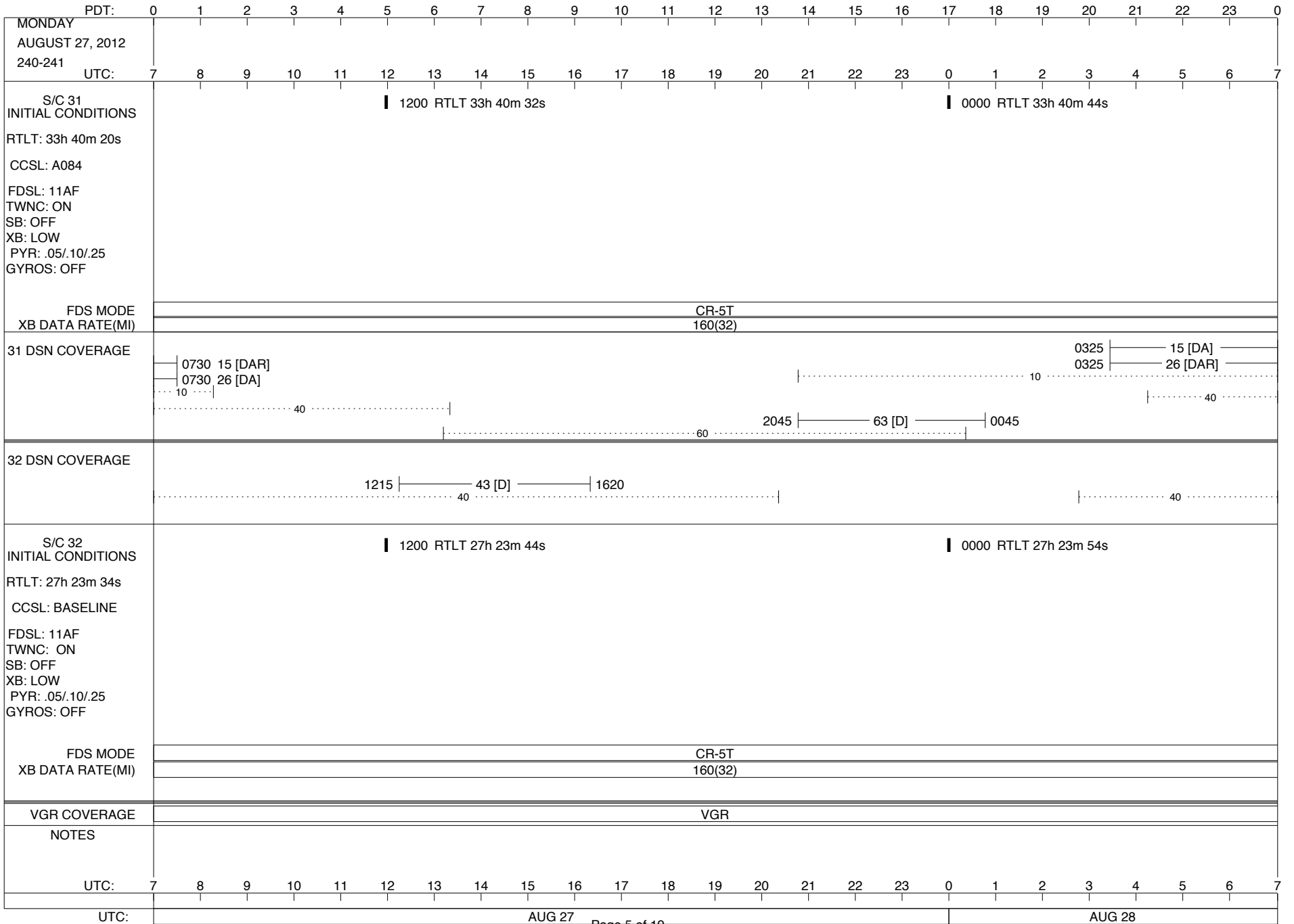
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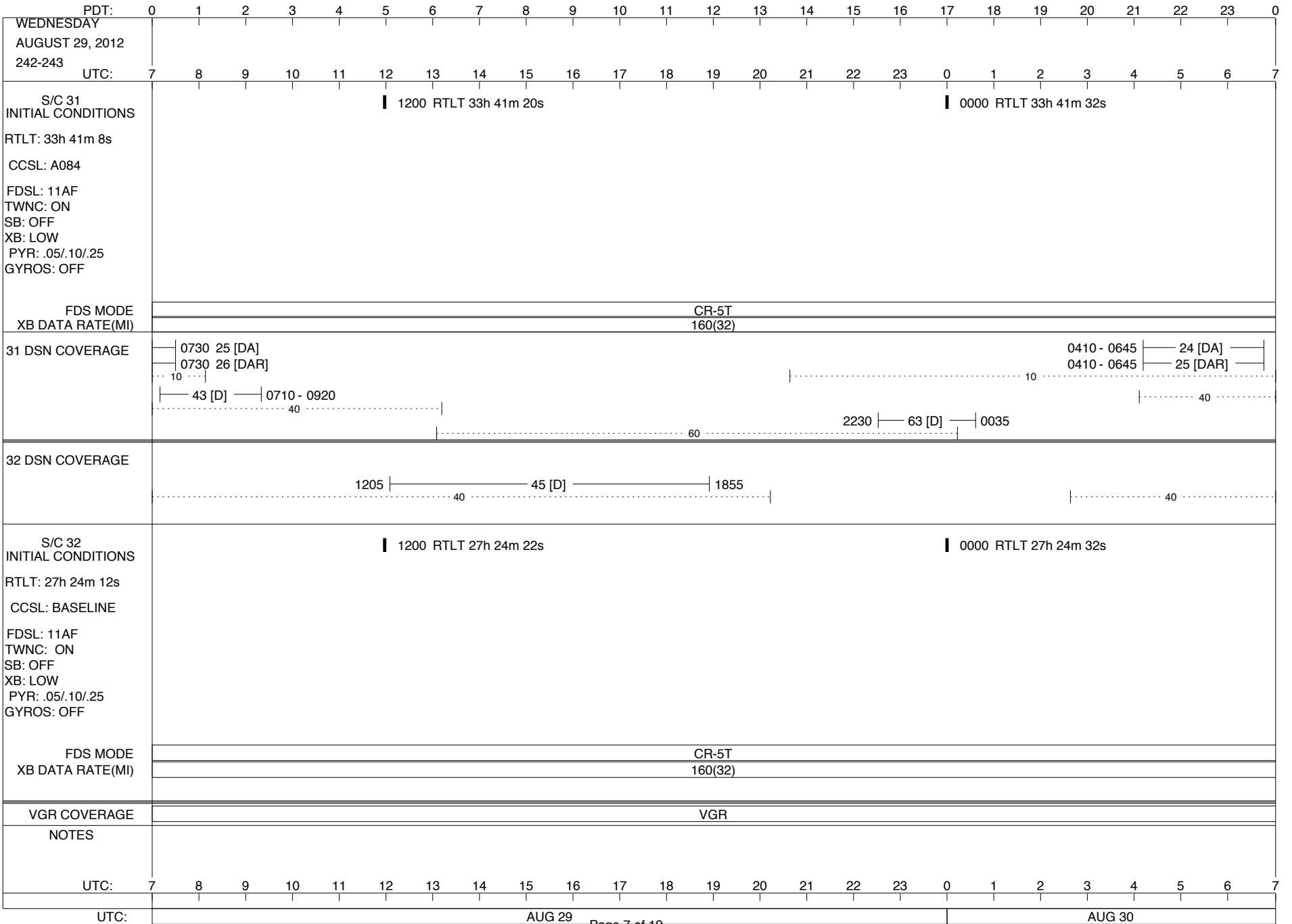
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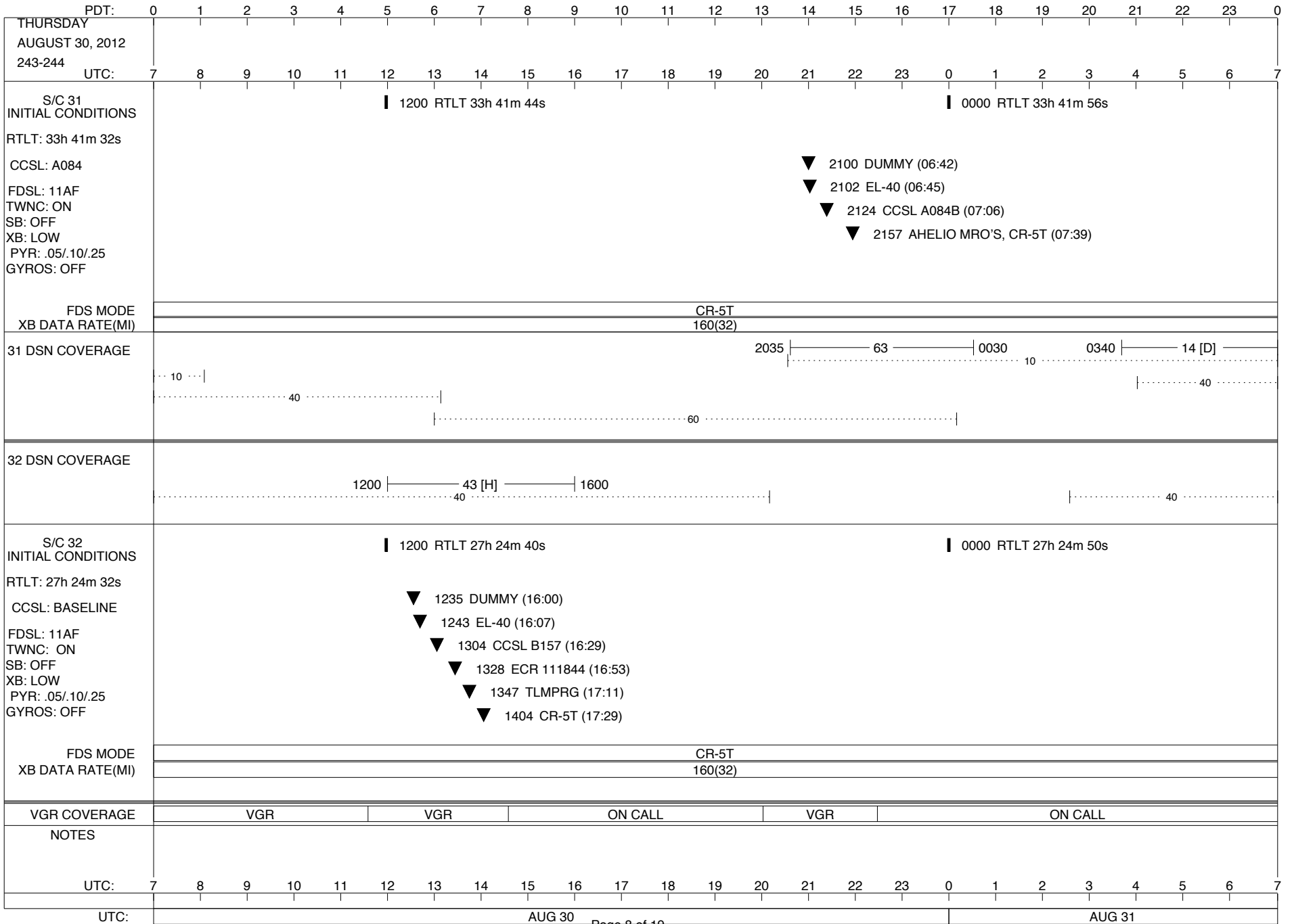
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TUESDAY AUGUST 28, 2012 241-242	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 33h 40m 44s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 40m 56s												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													VGR													
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													

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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 RTLTL: 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 RTLTL: 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													
													* 1653    1659 ECR 111844 RECEIPT													
													* 1700    1711 SID MRO'S													
													* 1712    1725 TLMPRG													
	EL-40 1608 ↓ *												↓ * 1729 CR-5T													
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 @ 1533 XB=2.8K(41) NOT RECOVERABLE												[3] S/C 32=CR-5T @ 1729 XB=160(32)													
	[2] S/C 32=EL-40 @ 1608 XB=40(30)												[4] S/C 31=EL-40 @ 0645 XB=40(30)													
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	
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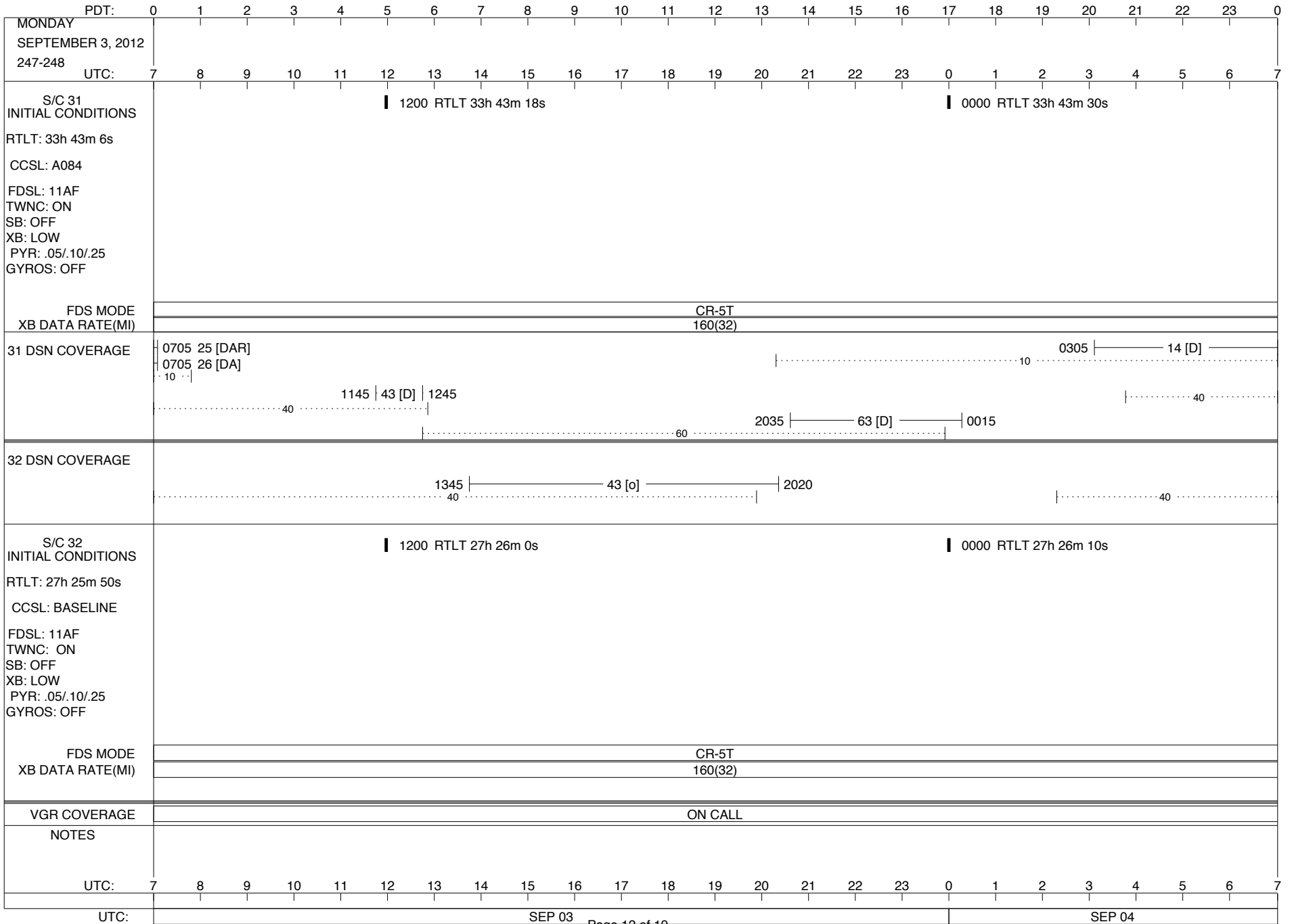
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UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS	1200 RTLT 33h 42m 30s												0000 RTLT 33h 42m 42s															
RTLT: 33h 42m 18s																												
CCSL: A084	*   0711 - 0715 A084B CHKSUM																											
FDSL: 11AF																												
TWNC: ON	*   0741 - 0742 2 AHELIO CCS SID MRO'S																											
SB: OFF																												
XB: LOW																												
PYR: .05/.10/.25																												
GYROS: OFF	* ↓ 0745 CR-5T																											
FDS MODE													CR-5T															
XB DATA RATE(MI)													160(32)															
31 DSN COVERAGE	0750 14 [D]												0000 14 [D]															
	.....10 .....												.....10 .....															
	.....40 .....												.....40 .....															
													2005 63 [D]   0020															
	.....60 .....												.....															
32 DSN COVERAGE	1000 45 [D]   1520																											
	.....40 .....												.....40 .....															
S/C 32 INITIAL CONDITIONS	1200 RTLT 27h 25m 20s												0000 RTLT 27h 25m 30s															
RTLT: 27h 25m 10s																												
CCSL: BASELINE																												
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	VGR												ON CALL															
NOTES	[1] S/C 31=CR-5T @ 0745 XB=160(32)																											
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: 08/23/12 15:31

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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												
	60												2045 63 [D] 0020												
	40												40												
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												

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SEPTMBER 4, 2012																										7
248-249																										7
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S/C 31 INITIAL CONDITIONS	1200 RTLT 33h 43m 42s													0000 RTLT 33h 43m 54s												
RTLTL: 33h 43m 30s	0910   0911 PWS/RH																									
CCSL: A084	U/L 1035   -   -   -													TLC (SHORT-FORM) - - - - -												
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	0745   14 [D]													0135   14 [D]												
	1010   43 [2]   1245													40   2025   63 [D]   0015												
														60   1915   40												
32 DSN COVERAGE	1330   43 [D]   1915																									
	40   1915   40																									
S/C 32 INITIAL CONDITIONS	1200 RTLT 27h 26m 20s													0000 RTLT 27h 26m 30s												
RTLTL: 27h 26m 10s																										
CCSL: BASELINE																										
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												
NOTES	[1] S/C 31=GS-4B @ 0910 XB=2.8K(41) NOT RECOVERABLE																									
	[2] A084B BACKUP U/L TRACK																									
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	
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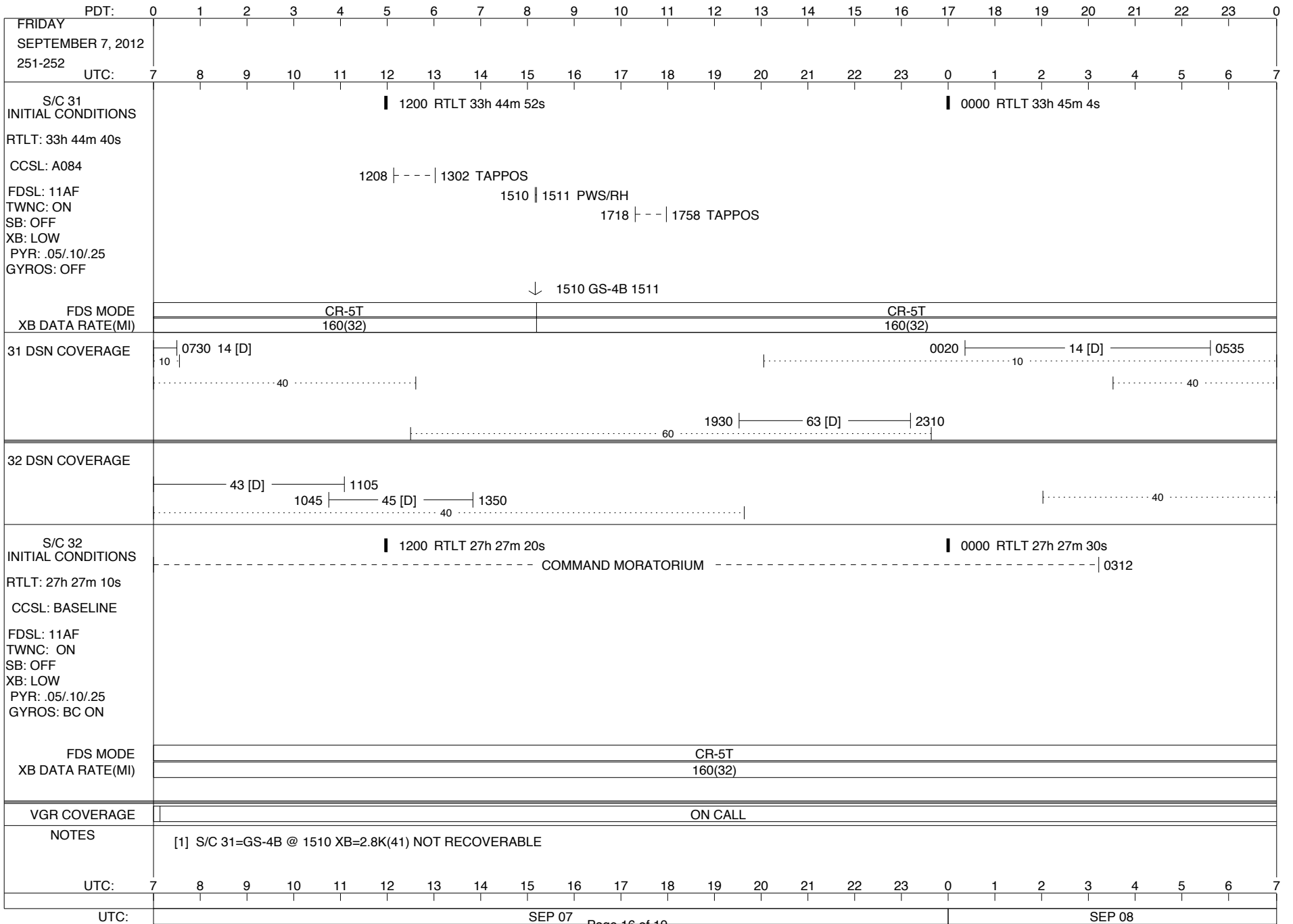
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 43m 54s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 33h 44m 6s												0000 RTLTL 33h 44m 18s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	0715 14 [D] 10												0415 14 [D] 10															
	40												40															
	2035 63   2330												60															
32 DSN COVERAGE	1025 43 [H1]   1510												40															
S/C 32 INITIAL CONDITIONS RTLTL: 27h 26m 30s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 27h 26m 40s												0000 RTLTL 27h 26m 50s COMMAND MORATORIUM 0342															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
VGR COVERAGE	ON CALL				VGR				ON CALL				VGR				ON CALL											
NOTES	[1] B157 BACKUP U/L TRACK																											
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			
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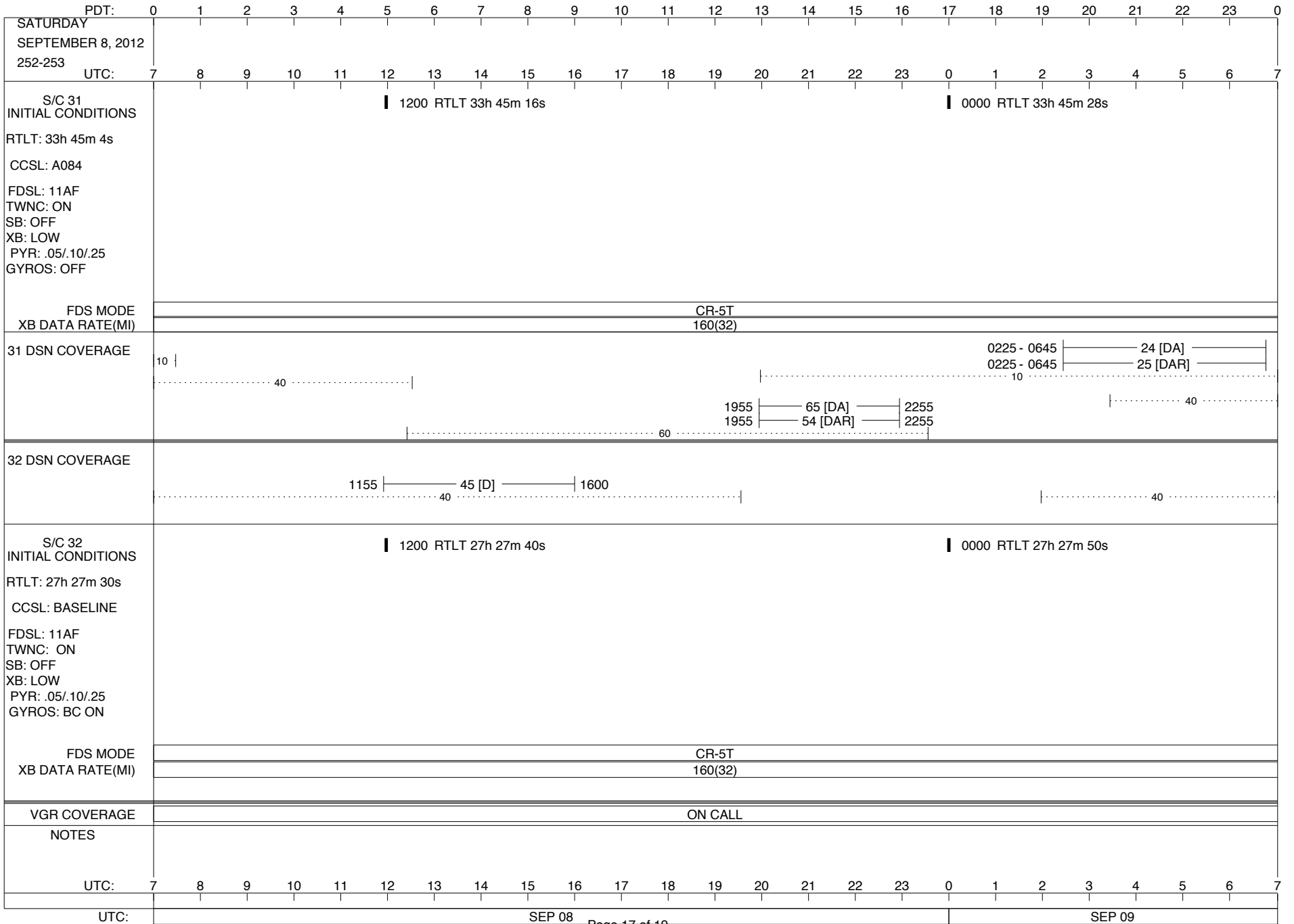
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 44m 18s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 44m 30s												0000 RTLTL 33h 44m 40s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0735   14 [D]												0325   14 [D]												
	40												40												
	2025   63 [D]   2300												60												
32 DSN COVERAGE	1305   34 [D]   1730												43 [D] 0630												
	40												40												
	1710   43 [D]   2000																								
S/C 32 INITIAL CONDITIONS RTLTL: 27h 26m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 27m 0s												0000 RTLTL 27h 27m 10s												
	----- COMMAND MORATORIUM -----																								
	* ↓ 1432 ENABLE ECR 111844												GYROS BC ON 0639 ↓												
	* 1434   1445 TLMPRG												GYRO INIT 0640 ↓												
	* 1446   1452 SID MRO'S												GYRO FAULT TEST 0649 ↓												
	* EL-40 1409 ↓												* ↓ 1453 CR-5T												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 32=EL-40 XB=40(30) @ 1409 [2] S/C 32=CR-5T XB=160(32) @ 1453																								
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 06												SEP 07												



ISSUE DATE: 08/23/12 15:31





ISSUE DATE: 08/23/12 15:31

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 9, 2012 253-254																										
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 45m 28s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 45m 40s												0000 RTLT 33h 45m 52s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	10 ..... 40 .....												0125  ----- 14 [D] -----  ----- 10 ----- 1845  ----- 63 [D] -----  2345  ----- 60 -----													
32 DSN COVERAGE	..... 40 ..... 1415  ----- 45 [D] -----  1815												----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLT: 27h 27m 50s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 27h 28m 0s												0000 RTLT 27h 28m 12s													
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 09													SEP 10												

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 10, 2012 254-255																											
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 45m 52s CCSL: A084 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 46m 4s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <span>0715 14 [D]</span> <span>10</span> </div> <hr style="border-top: 1px dotted black;"/> <div style="display: flex; justify-content: space-between;"> <span>40</span> <span>60</span> </div>																										
32 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <span>0930</span> <span>45 [D]</span> <span>1335</span> </div> <hr style="border-top: 1px dotted black;"/> <div style="display: flex; justify-content: space-between;"> <span>40</span> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 27h 28m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 27h 28m 22s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														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 10													SEP 11													