

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: August 26, 2015

For the Period: 08/27/15 to 09/14/15 (15-239 – 15-257)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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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

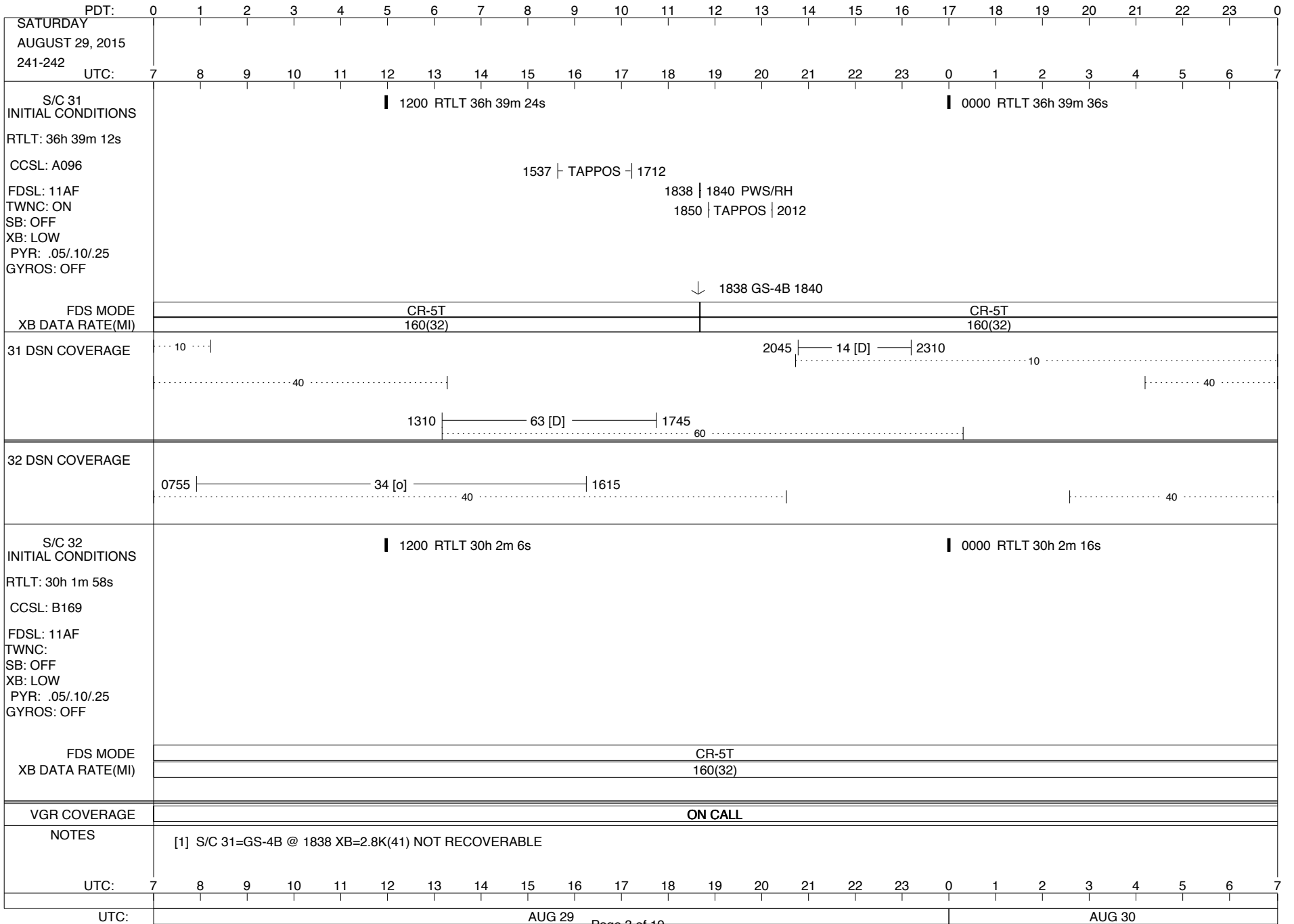
*Electronic Copy Only
 (16 – Dist/N: Paper Copies)
 09/08/10

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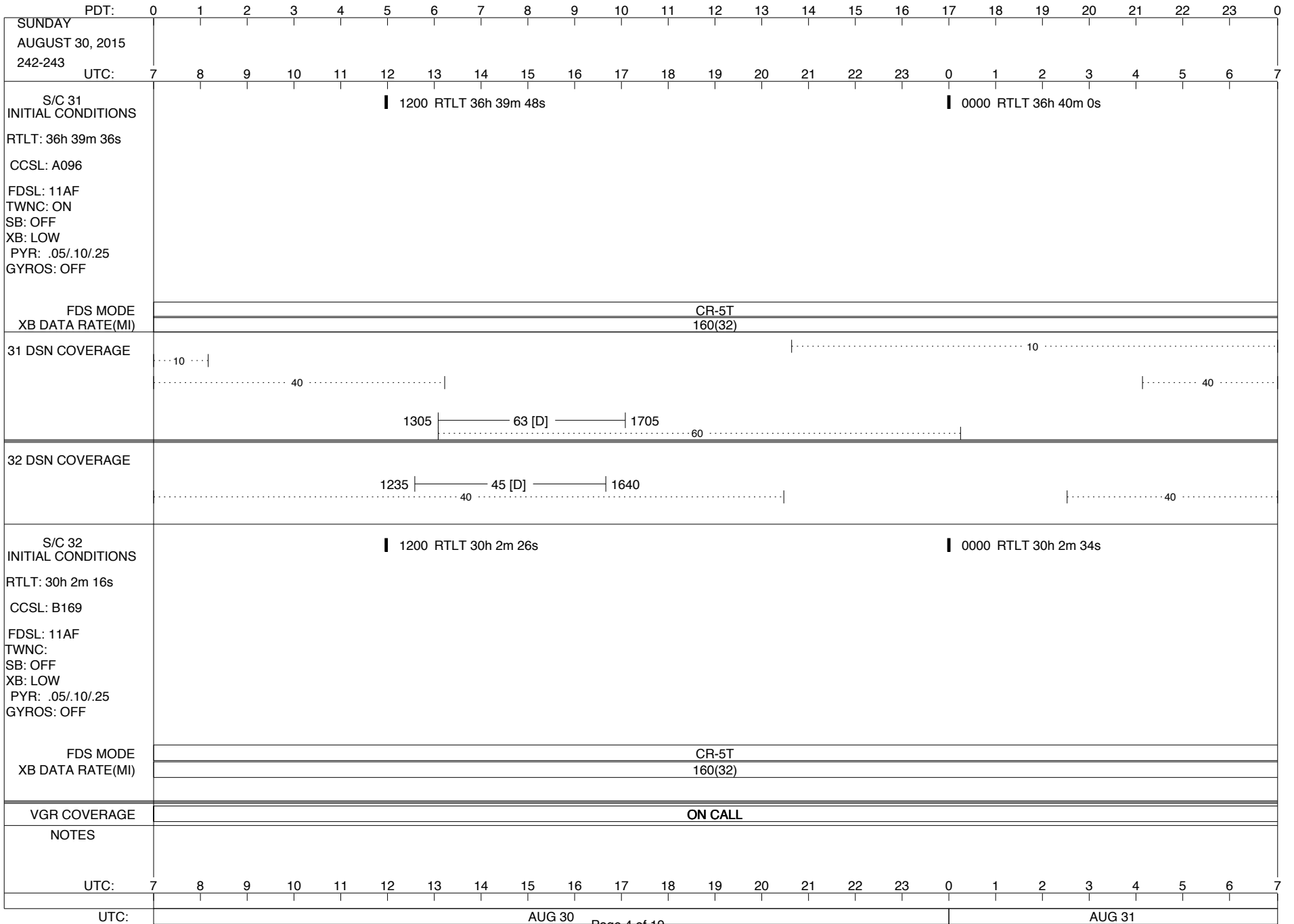
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THURSDAY AUGUST 27, 2015 239-240																												
S/C 31 INITIAL CONDITIONS RTLTL: 36h 38m 26s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 36h 38m 38s												0000 RTLTL 36h 38m 50s															
	1236 - TAPPOS - 1426												1538 1539 PWS/RH 1550 TAPPOS - 1725															
	↓ 1538 GS-4B 1539																											
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	0705 24 [DA] 0705 26 [DAR] 10 10													
 40 40													
 60 60													
32 DSN COVERAGE	0845 ----- 45 [D] ----- 1650													 40													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 1m 20s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 30h 1m 30s												0000 RTLTL 30h 1m 38s															
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
VGR COVERAGE	ON CALL																											
NOTES	[1] S/C 31=GS-4B @ 1538 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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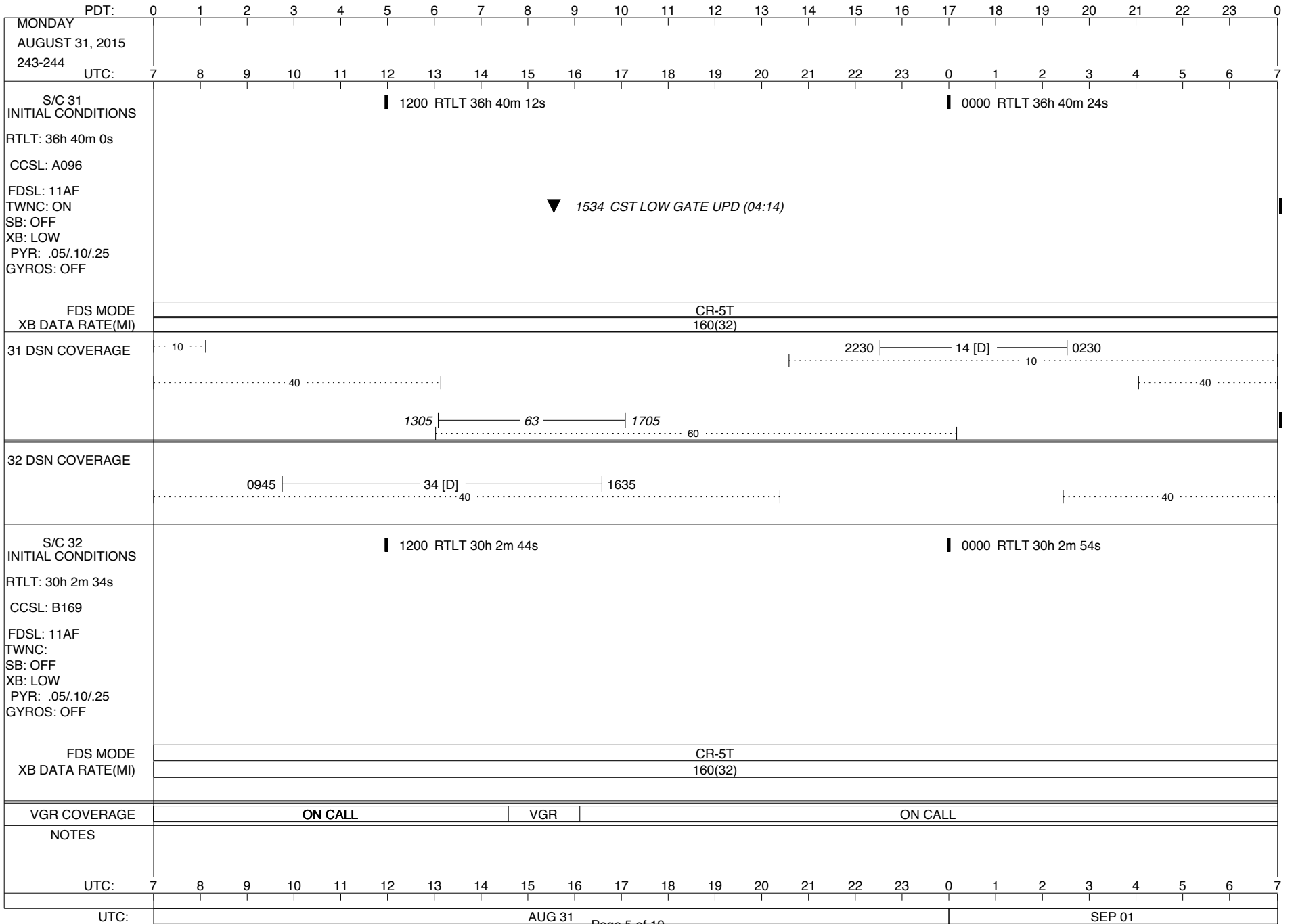
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S/C 31 INITIAL CONDITIONS RTLT: 36h 38m 50s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200															█ 0000					
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE 10 10													
 40 40													
	1330 ----- 63 [D] ----- 1745																									
	----- 60												----- 60													
32 DSN COVERAGE	1120 ----- 45 [D] ----- 1645																									
	----- 40												----- 40													
S/C 32 INITIAL CONDITIONS RTLT: 30h 1m 38s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200															█ 0000					
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES																										
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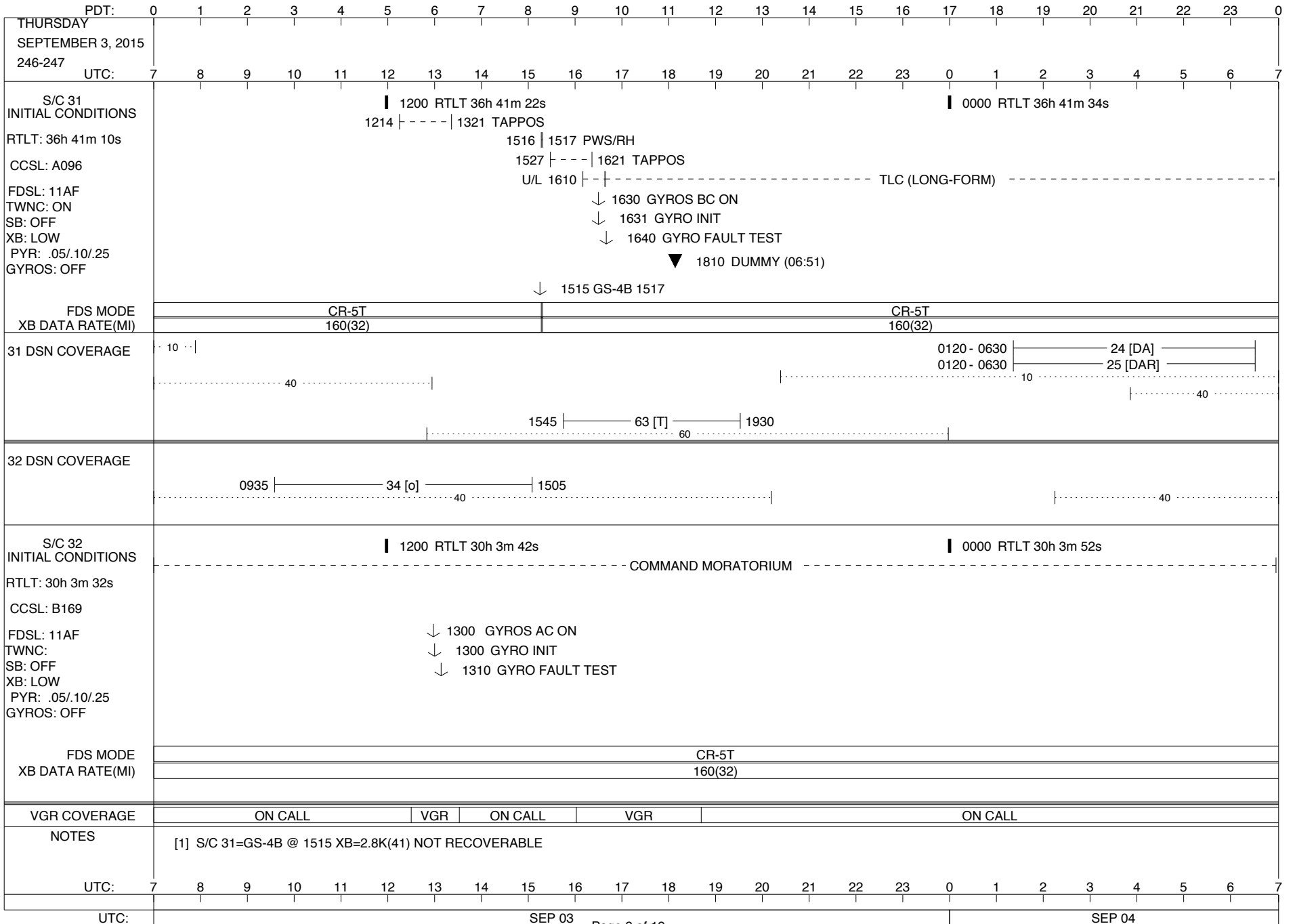


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TUESDAY SEPTEMBER 1, 2015 244-245																									
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S/C 31 INITIAL CONDITIONS RTLT: 36h 40m 24s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 36h 40m 36s 0902 0903 PWS/RH ↓ 0902 GS-4B 0903												0000 RTLT 36h 40m 48s CST LOW GATE UPD 0415* ↓												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	10 ----- 40 ----- 60 ----- 40												0145 - 0640 ----- 15 [DA] 0145 - 0640 ----- 26 [DAR] ----- 10 ----- 40												
32 DSN COVERAGE	1035 ----- 45 [D] ----- 1630 ----- 40 ----- 40												0330 ----- 43 [H2] ----- 0530 ----- 40												
S/C 32 INITIAL CONDITIONS RTLT: 30h 2m 54s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 3m 4s												0000 RTLT 30h 3m 14s DUMMY (10:03) 0400 ▼												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0902 XB=2.8K(41) NOT RECOVERABLE [2] DSS-43 RTS HP TRANSMITTER DEMO HP DRV ON >= 03:40:16																								
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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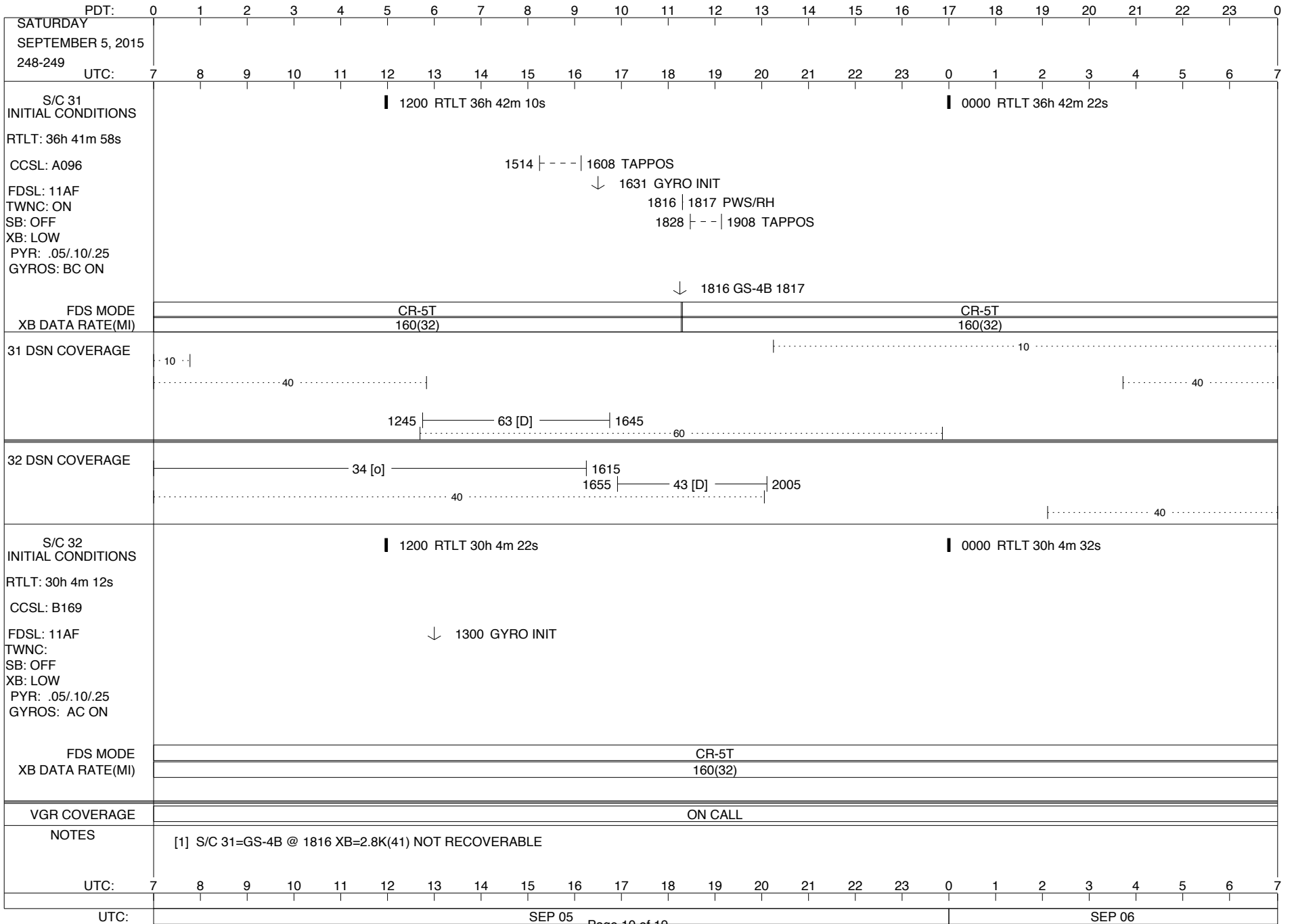
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S/C 31 INITIAL CONDITIONS RTLT: 36h 40m 48s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 36h 41m 0s															█ 0000 RTLT 36h 41m 10s				
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	-----10-----												-----10-----												
	-----40-----												-----40-----												
	-----60-----												-----60-----												
32 DSN COVERAGE	0855 -----45 [D]----- 1605												-----40-----												
S/C 32 INITIAL CONDITIONS RTLT: 30h 3m 14s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 30h 3m 22s																			
	----- COMMAND MORATORIUM -----																								
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
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ISSUE DATE: 08/28/15 14:38

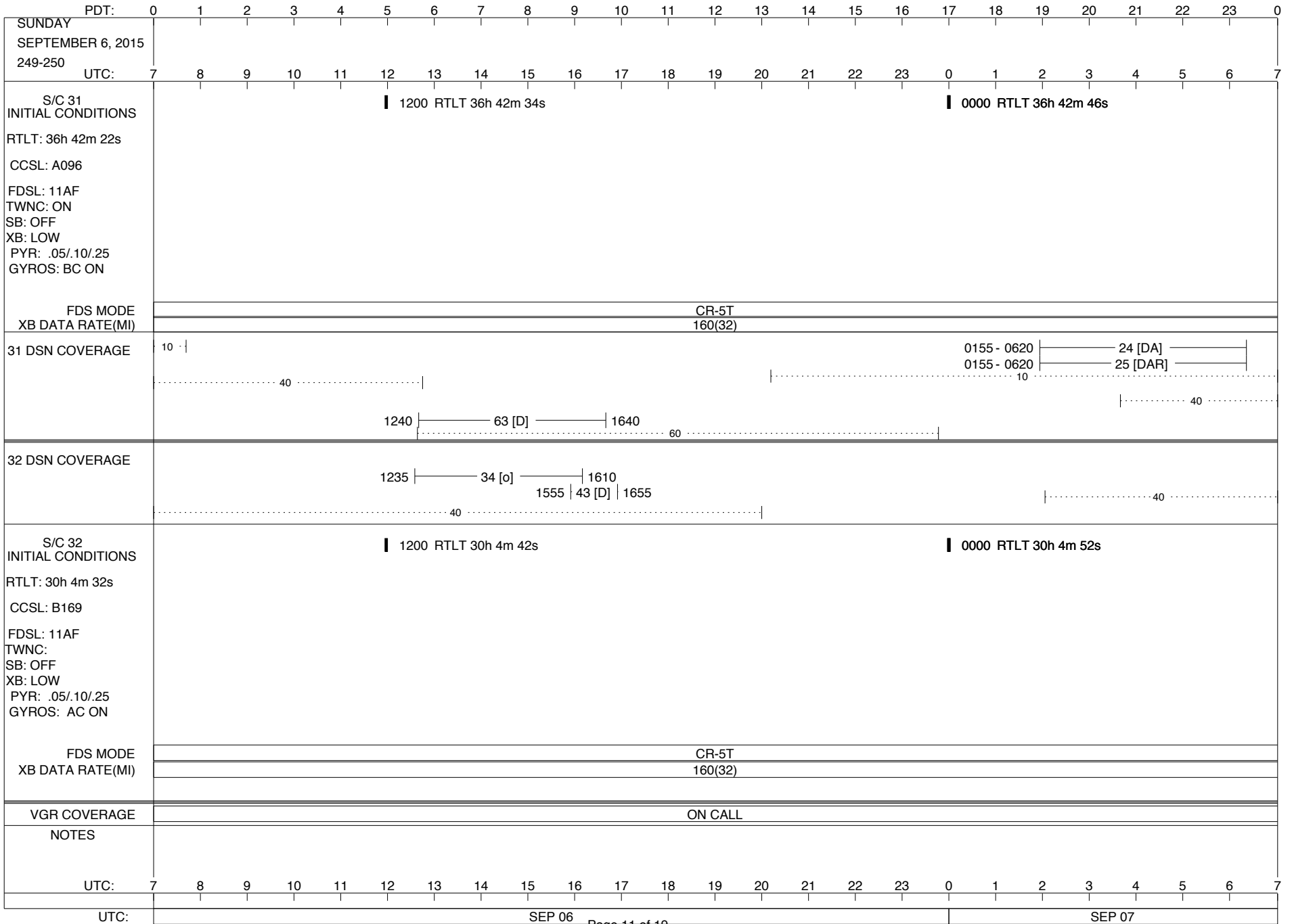


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S/C 31 INITIAL CONDITIONS RTLTL: 36h 41m 34s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	1200 RTLTL 36h 41m 46s												0000 RTLTL 36h 41m 58s														
----- TLC (LONG-FORM) -----																											
- 0619 D/L -																											
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE	. 10 : 40 60												2025 ----- 14 [D] ----- 0040 10 40														
32 DSN COVERAGE 40 60												1300 ----- 43 [o] ----- 1730 40 40														
S/C 32 INITIAL CONDITIONS RTLTL: 30h 3m 52s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/10/25 GYROS: AC ON	1200 RTLTL 30h 4m 2s												0000 RTLTL 30h 4m 12s														
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		
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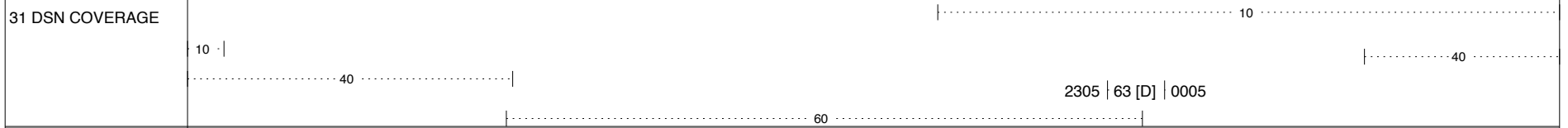
MONDAY
 SEPTEMBER 7, 2015
 250-251 UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

S/C 31
 INITIAL CONDITIONS
 RTLT: 36h 42m 46s
 CCSL: A096
 FDSL: 11AF
 TWNC: ON
 SB: OFF
 XB: LOW
 PYR: .05/10/25
 GYROS: BC ON

█ 1200 RTLT 36h 42m 58s █ 0000 RTLT 36h 43m 10s

↓ 1631 GYRO INIT

FDS MODE CR-5T
 XB DATA RATE(MI) 160(32)



S/C 32
 INITIAL CONDITIONS
 RTLT: 30h 4m 52s
 CCSL: B169
 FDSL: 11AF
 TWNC:
 SB: OFF
 XB: LOW
 PYR: .05/10/25
 GYROS: AC ON

█ 1200 RTLT 30h 5m 2s █ 0000 RTLT 30h 5m 12s

↓ 1301 GYRO INIT

FDS MODE CR-5T
 XB DATA RATE(MI) 160(32)

VGR COVERAGE ON CALL

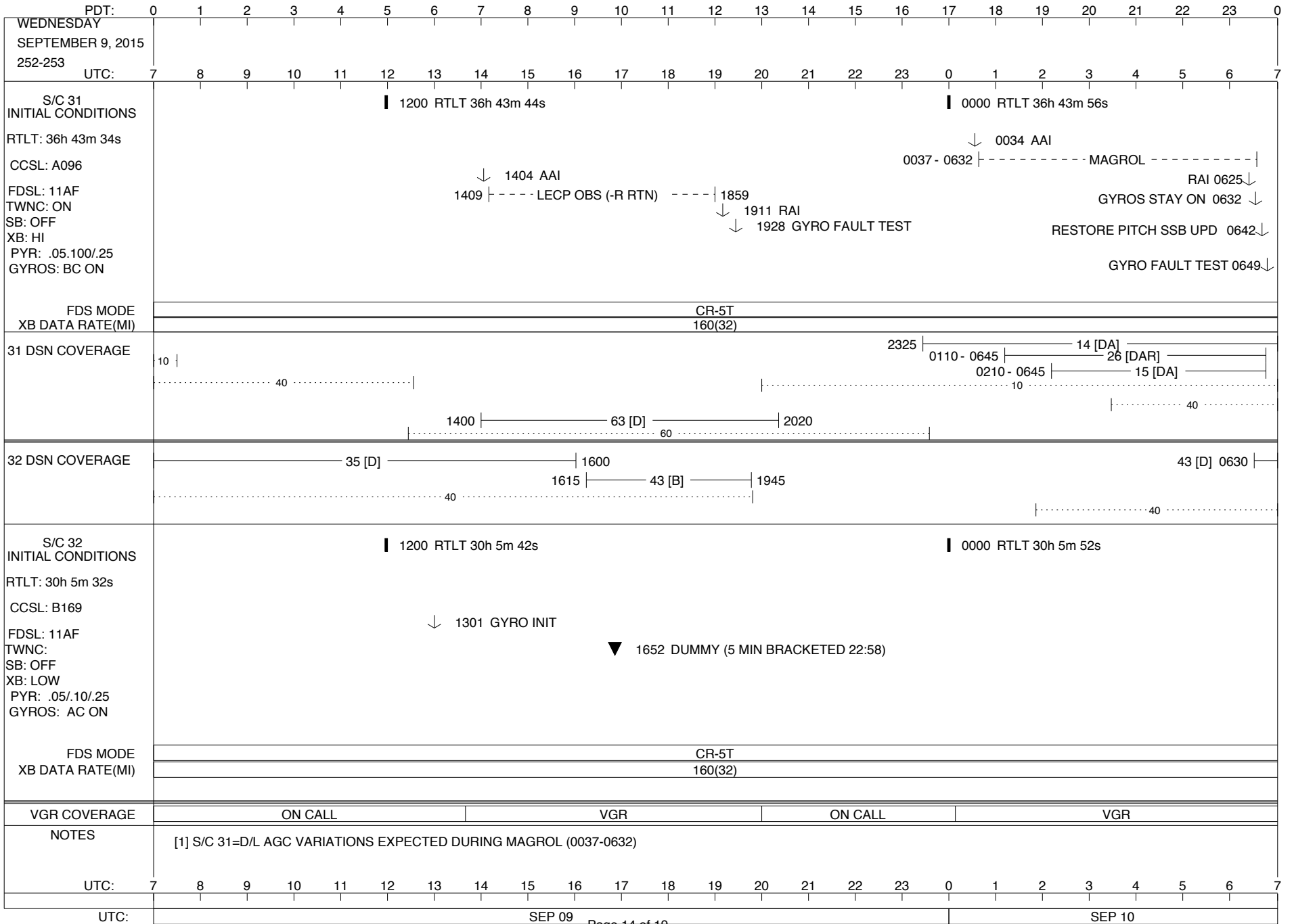
NOTES
JPL HOLIDAY!

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 07 Page 12 of 19 SEP 08

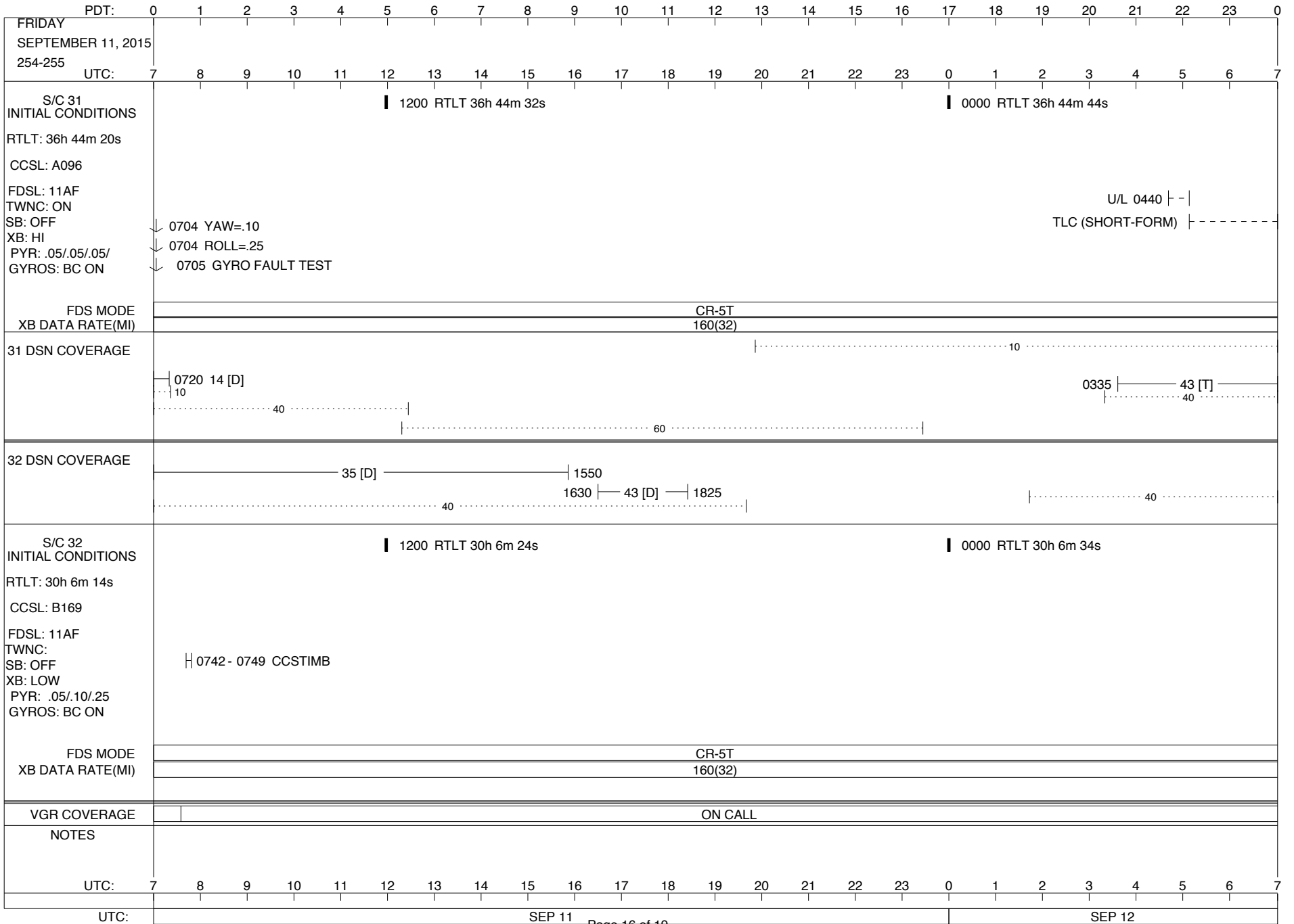
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TUESDAY																																										
SEPTEMBER 8, 2015																																										
251-252																																										
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7																
S/C 31 INITIAL CONDITIONS RTLT: 36h 43m 10s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON FDS MODE XB DATA RATE(MI)	1200 RTLT 36h 43m 22s														0000 RTLT 36h 43m 34s																											
	0839 0840 PWS/RH ↓ 0839 GS-4B 0840														↓ 1346 BAY 1 HTR OFF ↓ 1350 X/B HI POWER ↓ 1404 AAI 1419 ----- LECP OBS (-R RTN) ----- 1858 ↓ 1910 RAI ↓ 1927 GYRO FAULT TEST														↓ 0158 TEMP PITCH SSB UPD ↓ 0224 ALL DB=.05 ↓ 0240 AAI 0241 - - 0318 ASCAL ↓ 0316 RAI ↓ 0318 CRU ↓ 0327 YAW=.10 ↓ 0327 ROLL=.25 GYRO FAULT TEST 0328 ↓ 0209 ↓ ↓ 0321													
	CR-5T				CR-5T										EL-40				CR-5T																							
	160(32)				160(32)										40(30)				160(32)																							
31 DSN COVERAGE																																										
32 DSN COVERAGE																																										
S/C 32 INITIAL CONDITIONS RTLT: 30h 5m 12s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON FDS MODE XB DATA RATE(MI)	1200 RTLT 30h 5m 22s														0000 RTLT 30h 5m 32s																											
	CR-5T														CR-5T																											
	160(32)														160(32)																											
	ON CALL														VGR							ON CALL							VGR				ON CALL									
NOTES	[1] S/C 31=GS-4B @ 0839 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=EL-40 @ 0209 XB=40(30)																																									
[3] S/C 31=D/L SNR VARIATIONS EXPECTED DURING ASCAL (0241-0318) [4] S/C 31=CR-5T @ 0321 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 08														SEP 09																												

ISSUE DATE: 08/28/15 14:38



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THURSDAY SEPTEMBER 10, 2015 253-254																									
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S/C 31 INITIAL CONDITIONS RTLTL: 36h 43m 56s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05.100/.25 GYROS: BC ON	1200 RTLTL 36h 44m 8s												0000 RTLTL 36h 44m 20s												
	1151 - 1217 TAPPOS												1453 1454 PWS/RH 1505 - 1517 TAPPOS												
													ALL DB=.05 0602 ↓ AAI 0618 ↓ ASCAL 0618 - 0655 - - RAI 0653 ↓ CRU 0655 ↓												
													↓ 1453 GS-4B 1454												
FDS MODE	CR-5T												CR-5T												EL-40
XB DATA RATE(MI)	160(32)												160(32)												40(30)
31 DSN COVERAGE	0725 14 [DA]												0150 24 [DAR] 0550 0150 26 [D] 0550 0530 14 [D]												
	10												10												
	40												60												40
32 DSN COVERAGE	43 [D] 0910												1215 45 [D] 1555 1555 43 [D] 1945												35 [D] 0625
	40												40												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 5m 52s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	1200 RTLTL 30h 6m 2s												0000 RTLTL 30h 6m 14s												
													GYRO SWAP BC ON 0642 ↓ GYRO INIT 0643 ↓ GYRO FAULT TEST 0652 ↓												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																							VGR	
NOTES	[1] S/C 31=GS-4B @ 1453 XB=2.8K(41) NOT RECOVERABLE												[3] S/C 31=D/L SNR VARIATIONS EXPECTED DURING ASCAL (0618-0655)												
	[2] S/C 31=EL-40 @ 0546 XB=40(30)												[4] S/C 31=CR-5T @ 0658 XB=160(32)												
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UTC:	SEP 10												SEP 11												



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
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S/C 31 INITIAL CONDITIONS RTLTL: 36h 44m 44s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05.100.255 GYROS: BC ON	1200 RTLTL 36h 44m 56s												0000 RTLTL 36h 45m 8s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	0720 43 [T] 40												2240 24 [DAR] 0040 2240 25 [DA] 0040 10												
32 DSN COVERAGE	0805 34 [o] 1550 40												40												
S/C 32 INITIAL CONDITIONS RTLTL: 30h 6m 34s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	1200 RTLTL 30h 6m 44s												0000 RTLTL 30h 6m 54s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1753 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:	SEP 12												SEP 13												

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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	
SUNDAY SEPTEMBER 13, 2015 256-257																										
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S/C 31 INITIAL CONDITIONS RTLTL: 36h 45m 8s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05.100.255 GYROS: BC ON	1200 RTLTL 36h 45m 20s												0000 RTLTL 36h 45m 32s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	10												10													
	40												40													
	1725												63 [D]													
	2345												2345													
32 DSN COVERAGE	0755												0755													
	34 [D]												1545													
	1545												43 [D]													
	1930												1930													
S/C 32 INITIAL CONDITIONS RTLTL: 30h 6m 54s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 30h 7m 6s												0000 RTLTL 30h 7m 16s													
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 13													SEP 14												

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S/C 31 INITIAL CONDITIONS RTLT: 36h 45m 32s CCSL: A096 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05.100.255 GYROS: BC ON	<p>1200 RTLT 36h 45m 44s</p> <p>↓ 1633 GYRO INIT</p>																									
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)												
31 DSN COVERAGE	<p>10</p> <p>40</p> <p>60</p>																									
32 DSN COVERAGE	<p>34 [D] 0715 - 1540</p> <p>40</p>																									
S/C 32 INITIAL CONDITIONS RTLT: 30h 7m 16s CCSL: B169 FDSL: 11AF TWNC: SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<p>1200 RTLT 30h 7m 26s</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 14													SEP 15												