

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: February 19, 2014

For the Period: 02/20/14 to 03/03/21 (14-051 – 14-069)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

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 Ludwig, R. (2)
 Matsumoto, S.
 Medina
 Peralta, F.
 Weeks, T.
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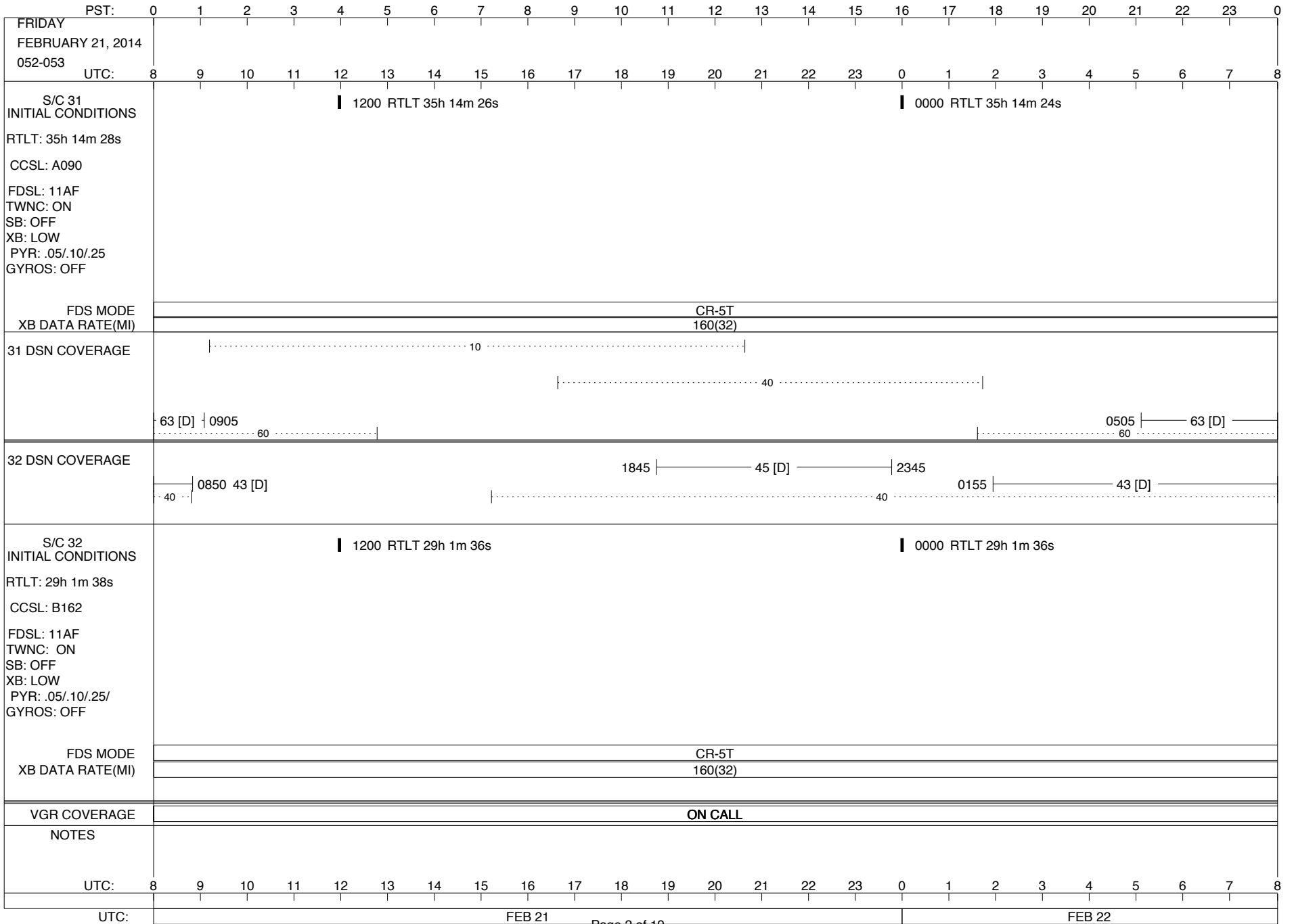
LEGEND:
 ▽ = R/T Command (Last chance or Contingency)
 ▼ = R/T Command (Scheduled)
 * = Result of R/T Command
 n = (where n = 1,2,3 ..) Special Note, see bottom of page
 A = Arrayed station
 B = BLF
 D = Downlink only pass
 H = High Power Transmitter
 R = Array Reference Antenna
 T = TLC Uplink
 U = Uplink only pass
 [o] = Ramp-through

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

ISSUE DATE: 02/20/14 18:20

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 FEBRUARY 20, 2014 051-052																												
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S/C 31 INITIAL CONDITIONS RTLTL: 35h 14m 32s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 35h 14m 30s														0000 RTLTL 35h 14m 28s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	1155 ----- 14 [D] ----- 1645 ----- 10 ----- ----- 40 ----- ----- 60 -----														0245 ----- 63 [D] ----- ----- 60 -----													
32 DSN COVERAGE	0850 43 [D] ----- 40 -----														0410 ----- 34 [D] ----- 0545 0545 ----- 43 [D] -----													
S/C 32 INITIAL CONDITIONS RTLTL: 29h 1m 38s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 29h 1m 38s														0000 RTLTL 29h 1m 38s													
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 @ 0233 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:	FEB 20														FEB 21													

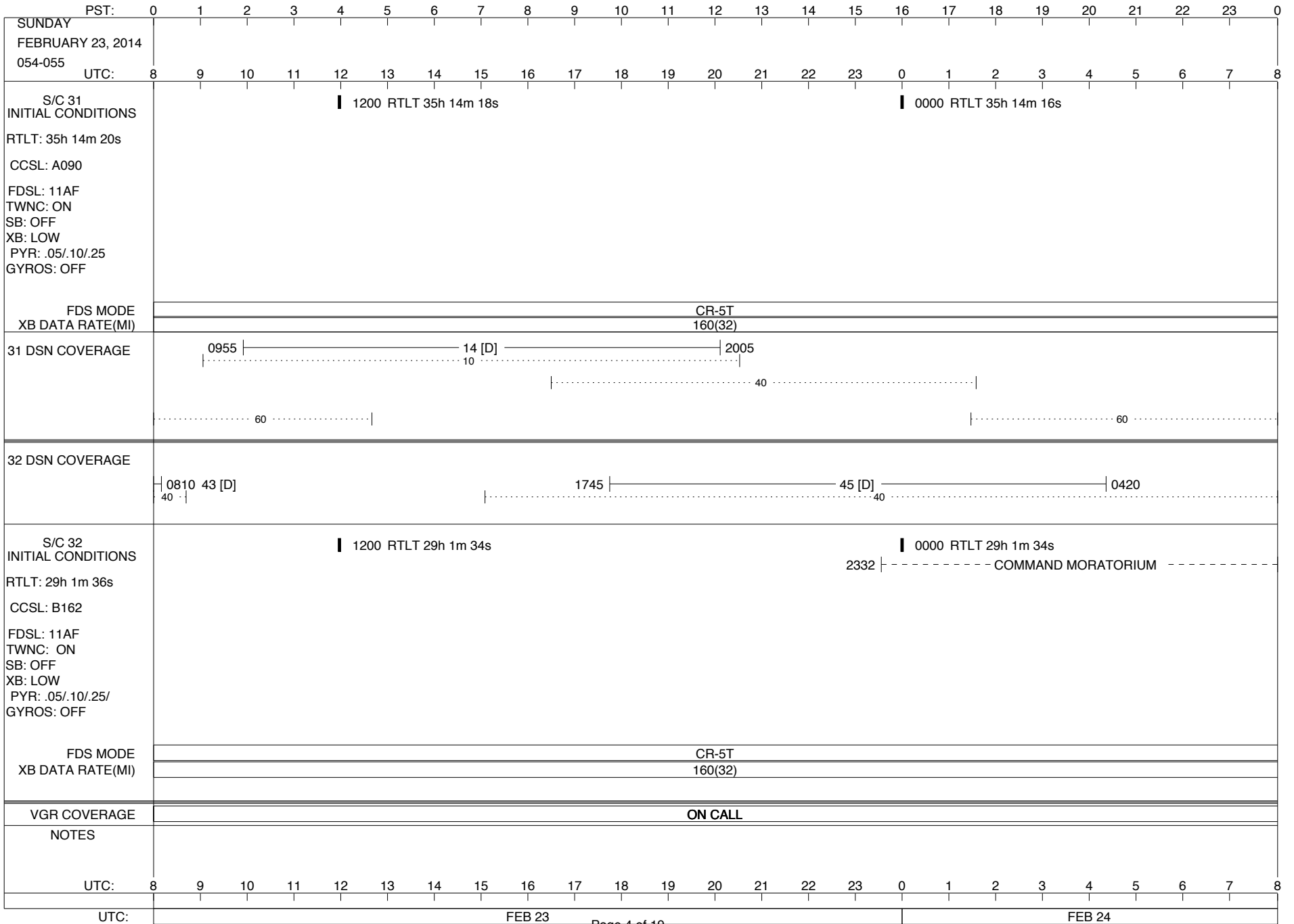
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ISSUE DATE: 02/20/14 18:20

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SATURDAY FEBRUARY 22, 2014 053-054	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: 35h 14m 24s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 35h 14m 22s												0000 RTLT 35h 14m 20s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	-----10-----												-----40-----												
	63 [D]----- 1305						-----60-----						-----60-----						-----60-----						
32 DSN COVERAGE	-----0845 43 [D]-----												2310 -----45 [D]----- 0215												
	-----40-----				-----40-----				0345 -----43 [D]-----				-----40-----				-----40-----								
S/C 32 INITIAL CONDITIONS RTLTL: 29h 1m 36s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 29h 1m 36s												0000 RTLT 29h 1m 36s												
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 @ 0532 XB=2.8K(41) NOT RECOVERABLE																								
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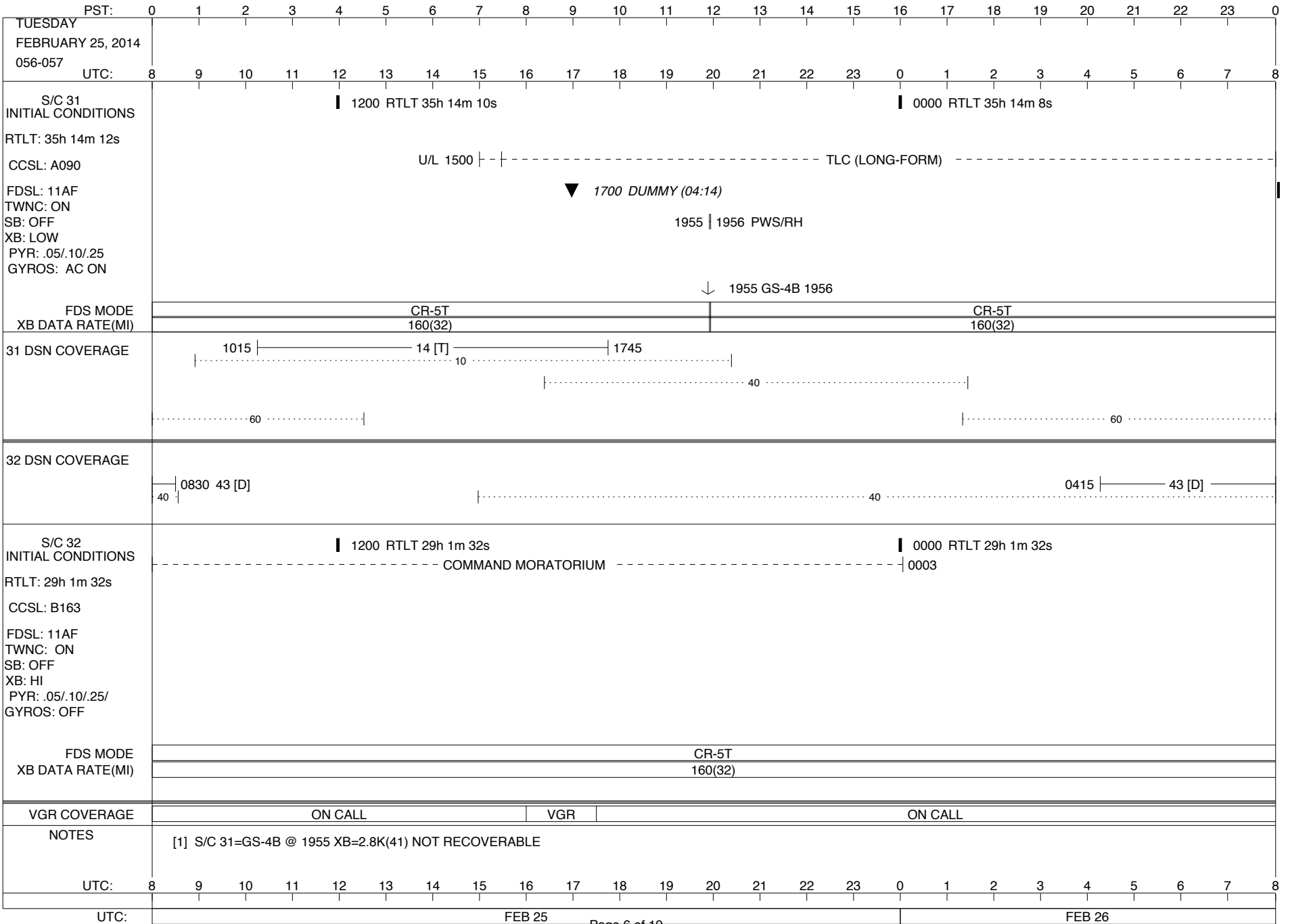
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ISSUE DATE: 02/20/14 18:20

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MONDAY FEBRUARY 24, 2014 055-056																																			
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S/C 31 INITIAL CONDITIONS RTLT: 35h 14m 16s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 35h 14m 14s												█ 0000 RTLT 35h 14m 12s																						
	↓ 1238 GYRO INIT																																		
	↓ 1238 GYROS AC ON																																		
	↓ 1248 GYRO FAULT TEST																																		
FDS MODE															CR-5T																				
XB DATA RATE(MI)															160(32)																				
31 DSN COVERAGE	0900 ----- 14 [D] ----- 1330														----- 10 -----																				
	----- 60 -----														----- 40 -----																				
	----- 60 -----														----- 60 -----																				
32 DSN COVERAGE	40 ----- 40 -----														0430 ----- 43 [D] -----																				
S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 34s CCSL: B162 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 29h 1m 34s												█ 0000 RTLT 29h 1m 32s																						
	----- COMMAND MORATORIUM -----																																		
																	↓ 0009 BEGIN SEQUENCE B163																		
																	BAY 1 HTR OFF 0500 ↓																		
																	X/B HI POWER 0504 ↓																		
FDS MODE															CR-5T																				
XB DATA RATE(MI)															160(32)																				
VGR COVERAGE	ON CALL							VGR							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										
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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 FEBRUARY 26, 2014 057-058																									
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S/C 31 INITIAL CONDITIONS RTLT: 35h 14m 8s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	█ 1200 RTLT 35h 14m 6s												█ 0000 RTLT 35h 14m 4s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0855 ----- 14 [D] ----- 1530 ----- 10 ----- ----- 40 ----- ----- 60 -----												----- 40 ----- ----- 60 -----												
32 DSN COVERAGE	40 0830 43 [D]												2215 ----- 43 [D] ----- 0135 ----- 40 ----- 0530 ----- 43 [D] -----												
S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 32s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 29h 1m 30s												█ 0000 RTLT 29h 1m 30s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES													1959 ----- COMMAND MORATORIUM -----												
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:	FEB 26												FEB 27												

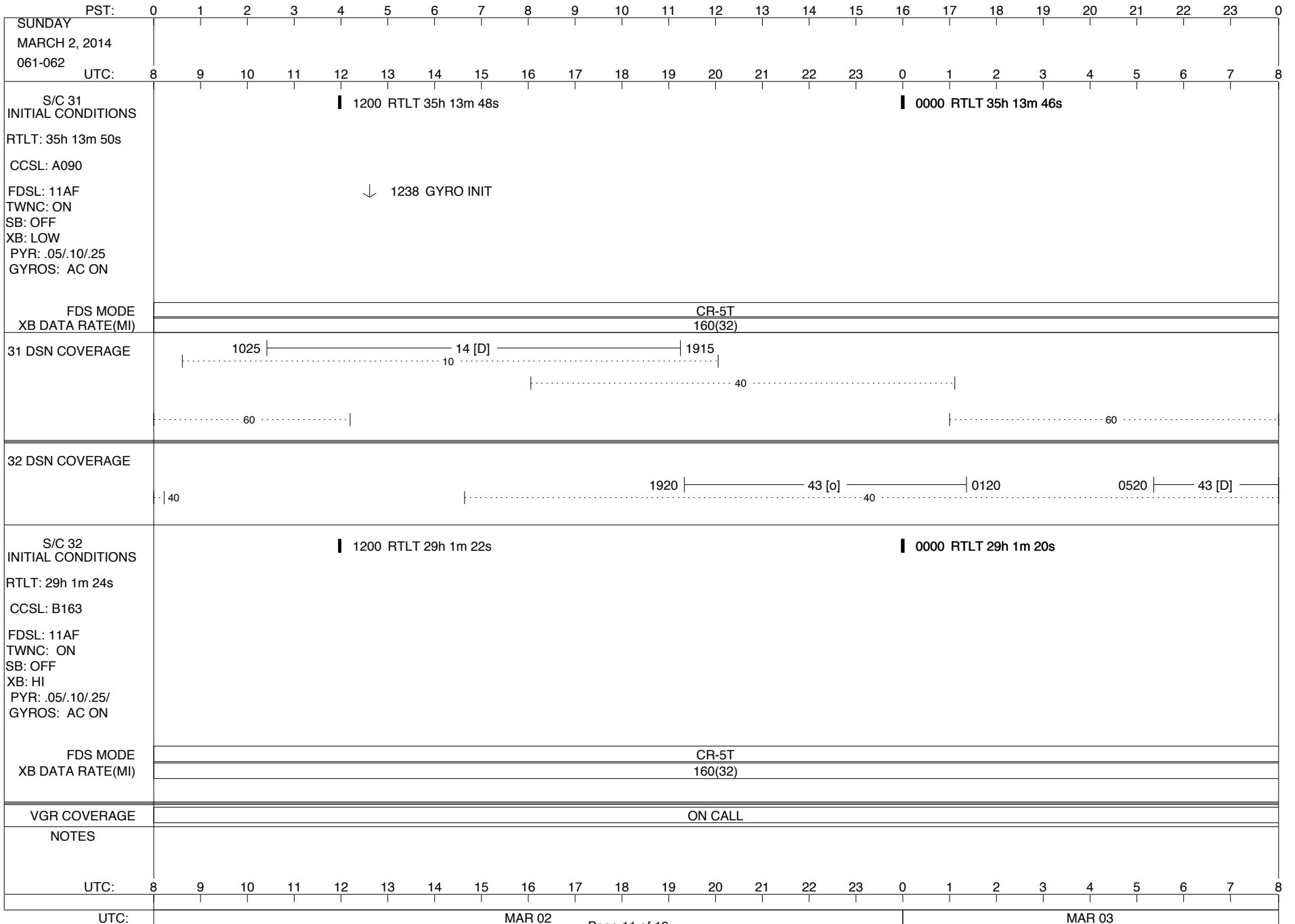
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THURSDAY FEBRUARY 27, 2014 058-059																										
UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS	1200 RTLT 35h 14m 2s												0000 RTLT 35h 14m 0s													
RTLT: 35h 14m 4s																										
CCSL: A090													2306 TAPPOS 0028													
FDSL: 11AF													0207 0209 PWS/RH													
TWNC: ON													0220 - - - - 0328 TAPPOS													
SB: OFF																										
XB: LOW																										
PYR: .05/.10/.25																										
GYROS: AC ON																										
													↓ 0207 GS-4B 0209													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS	1200 RTLT 29h 1m 28s												0000 RTLT 29h 1m 28s													
RTLT: 29h 1m 30s																										
CCSL: B163																										
FDSL: 11AF													↓ 0031 GYRO INIT													
TWNC: ON													↓ 0031 GYROS AC ON													
SB: OFF																										
XB: HI													↓ 0040 GYRO FAULT TEST													
PYR: .05/.10/.25/																										
GYROS: OFF																										
	----- COMMAND MORATORIUM -----																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												VGR						ON CALL							
NOTES	[1] S/C 31=GS-4B @ 0207 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:	FEB 27																		FEB 28							

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 FEBRUARY 28, 2014 059-060	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: 35h 14m 0s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	█ 1200 RTLTL 35h 13m 58s												█ 0000 RTLTL 35h 13m 54s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	0945 ----- 14 [D] ----- 1415 ----- 10 -----												----- 40 -----												
	----- 60 -----												----- 60 -----												
32 DSN COVERAGE	----- 40 -----												2330 ----- 43 [D] ----- 0330 ----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 29h 1m 28s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: AC ON	█ 1200 RTLTL 29h 1m 26s												█ 0000 RTLTL 29h 1m 26s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES	-----COMMAND MORATORIUM ----- 1929																								
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:	FEB 28												MAR 01												

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 MARCH 1, 2014 060-061	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: 35h 13m 54s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	1200 RTLTL 35h 13m 52s												0000 RTLTL 35h 13m 50s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 0840 - 1240												40												
32 DSN COVERAGE	40												2150 43 [o] 0300												
S/C 32 INITIAL CONDITIONS RTLTL: 29h 1m 26s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: AC ON	1200 RTLTL 29h 1m 24s												0000 RTLTL 29h 1m 24s												
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 @ 0507 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
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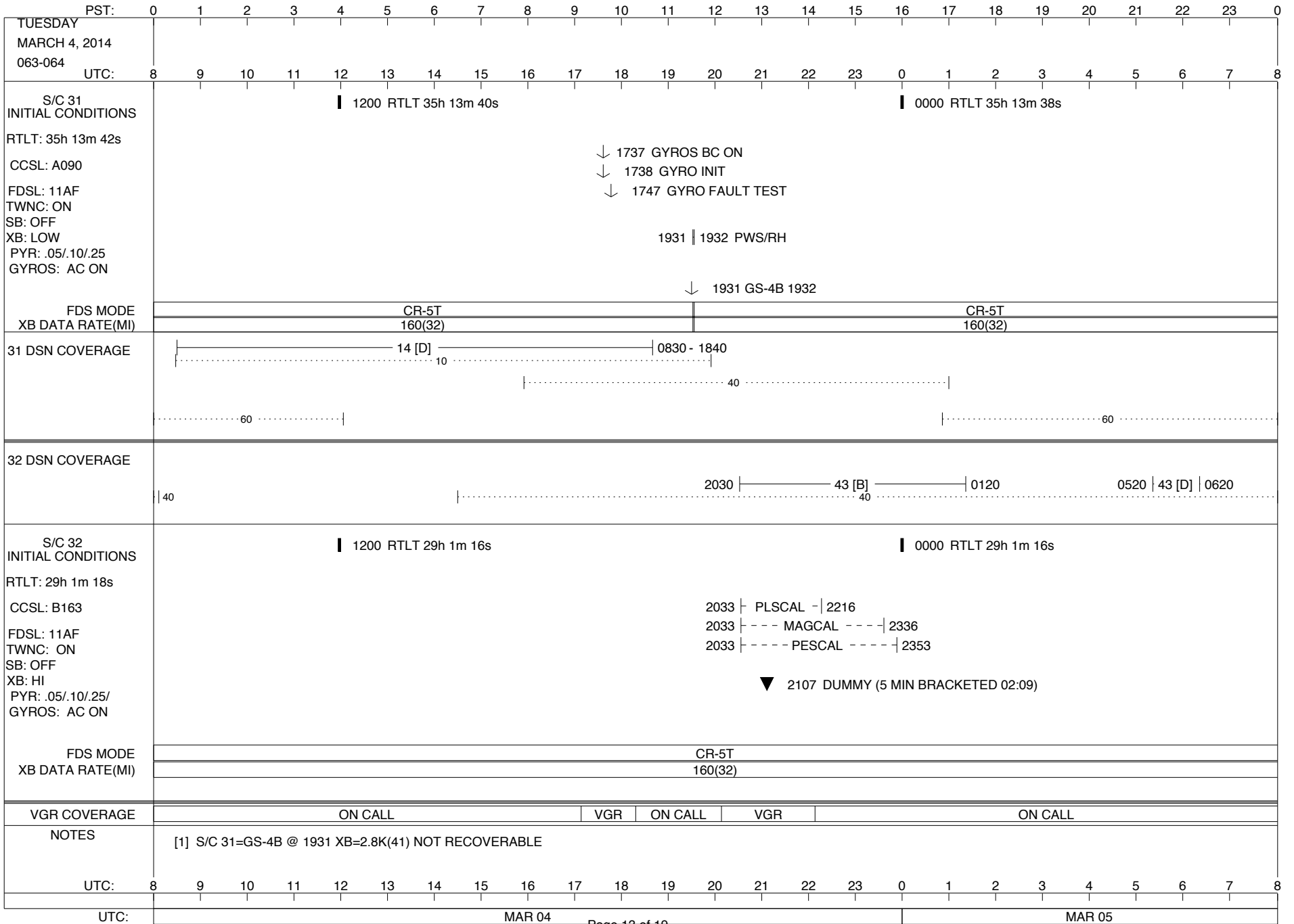
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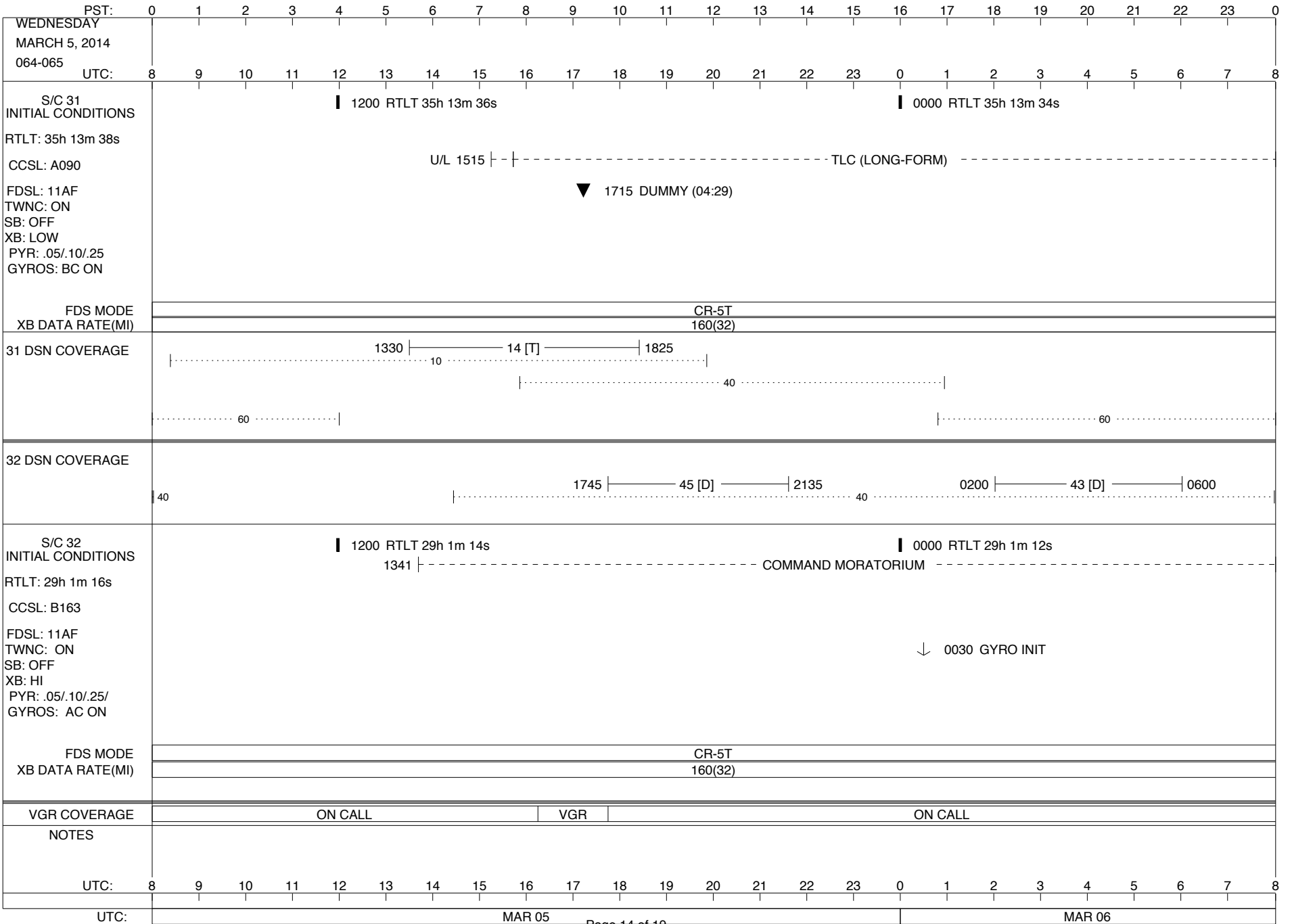
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S/C 31 INITIAL CONDITIONS RTLT: 35h 13m 46s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON					█ 1200																█ 0000						
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 20s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: AC ON																											
FDS MODE													CR-5T														
XB DATA RATE(MI)													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:	MAR 03													MAR 04													

ISSUE DATE: 02/20/14 18:20

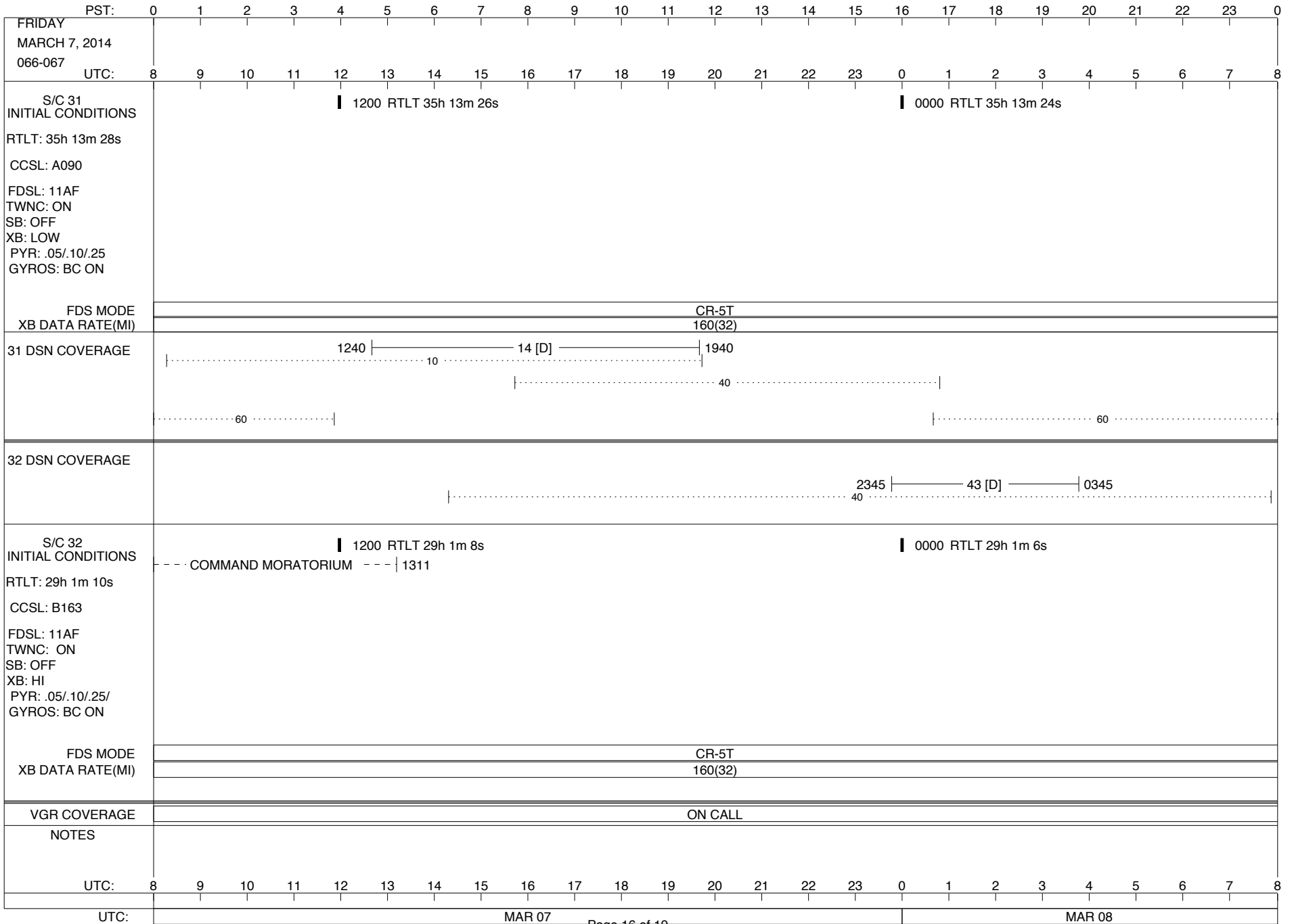


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THURSDAY MARCH 6, 2014 065-066	UTC: 8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
S/C 31 INITIAL CONDITIONS RTLTL: 35h 13m 34s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLTL 35h 13m 30s												0000 RTLTL 35h 13m 28s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0820 - 1350 10												40												
32 DSN COVERAGE	1800 45 [D] 2025												40 0220 - 0755 43 [D]												
S/C 32 INITIAL CONDITIONS RTLTL: 29h 1m 12s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: AC ON	1200 RTLTL 29h 1m 12s												0000 RTLTL 29h 1m 10s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0143 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:	MAR 06												MAR 07												

ISSUE DATE: 02/20/14 18:20



ISSUE DATE: 02/20/14 18:20

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 MARCH 8, 2014 067-068	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: 35h 13m 24s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 35h 13m 22s												█ 0000 RTLT 35h 13m 20s												
													↓ 1827 GYRO INIT												
													0142 --- 0236 TAPPOS												
													0444 0445 PWS/RH												
													0456 -- 0536 TAPPOS												
													↓ 0444 GS-4B 0445												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	1110 ----- 14 [D] ----- 1935												----- 10 ----- 40 -----												
	----- 60 -----												----- 60 -----												
32 DSN COVERAGE													2240 - 0745 ----- 43 [o] -----												
													----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 6s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: BC ON	█ 1200 RTLT 29h 1m 6s												█ 0000 RTLT 29h 1m 4s												
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 @ 0444 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:	MAR 08												MAR 09												

PDT:	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1
MONDAY MARCH 10, 2014 069-070																								
UTC:	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: 35h 13m 16s CCSL: A090 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	<p>1200 RTLT 35h 13m 14s</p> <p>1827 GYRO INIT</p>																							
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)											
31 DSN COVERAGE	<p>1015 ----- 14 [D] ----- 1545</p> <p>.....10.....</p> <p>.....60.....</p>																							
32 DSN COVERAGE	<p>1835 ----- 43 [D] ----- 2105</p>																							
S/C 32 INITIAL CONDITIONS RTLT: 29h 1m 0s CCSL: B163 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25/ GYROS: BC ON	<p>1200 RTLT 29h 0m 58s</p> <p>1928 ALL DB=.05</p> <p>1944 AAI</p> <p>1945 --- 2022 ASCAL</p> <p>2019 RAI</p> <p>2022 CRU</p> <p>2031 YAW=.10</p> <p>2031 ROLL=.25</p> <p>2032 GYRO FAULT TEST</p> <p>1913 ↓ 2025</p>																							
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 - D/L /SNR VARIATIONS EXPECTED DURING ASCAL (1945-2022)																							
UTC:	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:	MAR 10												MAR 11											