

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: February 15, 2012

For the Period: 02/16/12 to 03/12/12 (12-047 – 12-072)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (14) 600-100

DSOT (1) 230-102

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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

ISSUE DATE: 02/15/12 21:39

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 16, 2012
047-048

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: 33h 15m 42s
CCSL: A082
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 33h 15m 42s

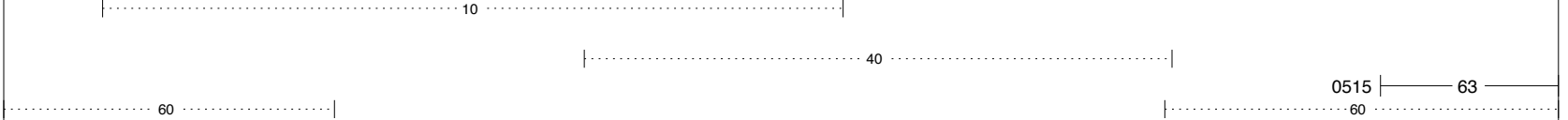
0000 RTLT 33h 15m 40s

DUMMY (15:01) 0545 ▼
EL-40 (15:31) 0615 ▼
CCSL A082B (15:53) 0637 ▼
AHELIO MRO CR-5T (16:26) 0710 ▼

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLT: 27h 16m 32s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 27h 16m 32s

0000 RTLT 27h 16m 32s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

ON CALL

VGR

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:

FEB 16

FEB 17

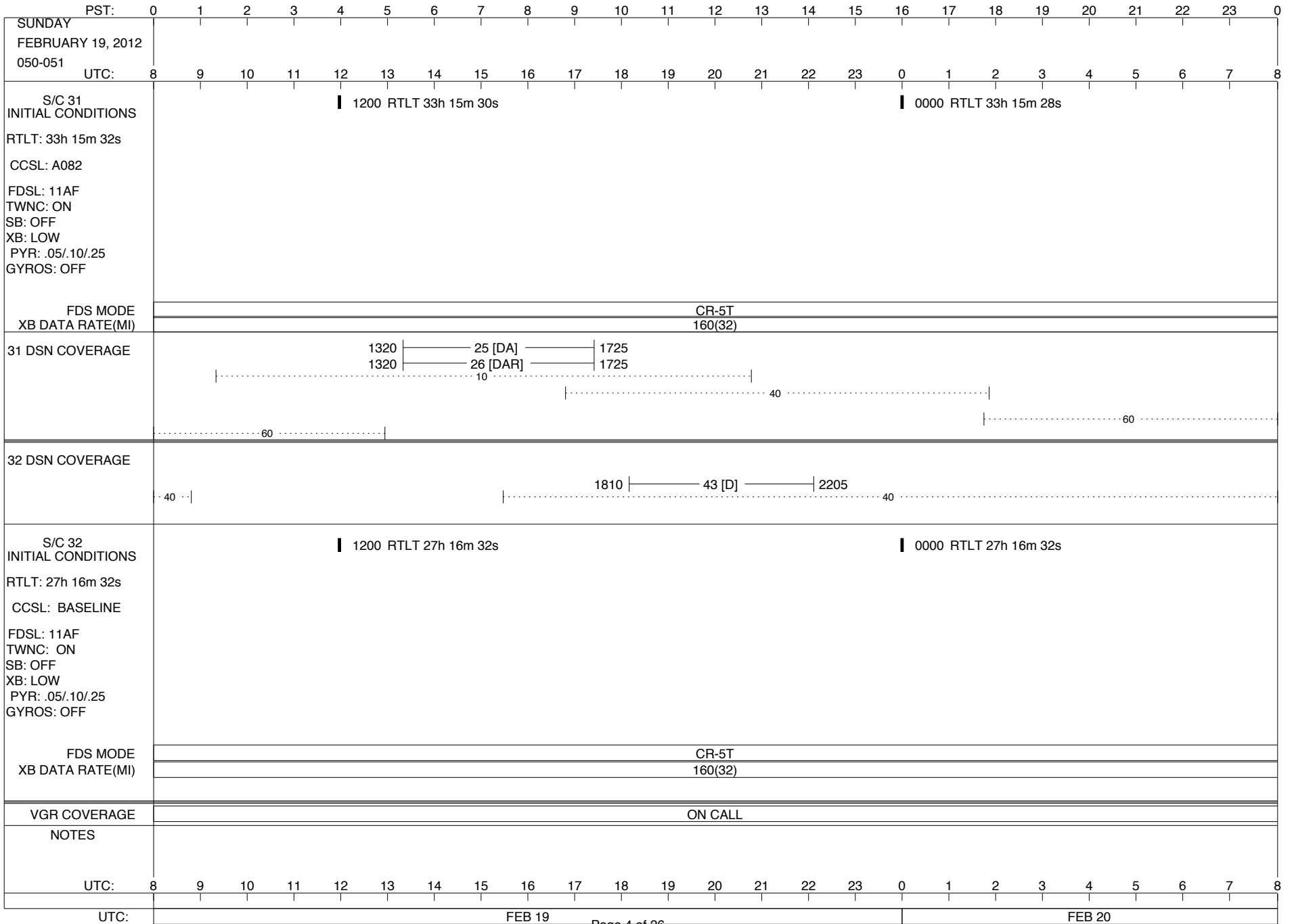
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FRIDAY FEBRUARY 17, 2012 048-049	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
S/C 31 INITIAL CONDITIONS RTLT: 33h 15m 40s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 33h 15m 38s</p> <p>0000 RTLT 33h 15m 36s</p> <p>2330 2330 TAPPOS</p> <p>0231 0232 PWS/RH</p> <p>0439 0453 TAPPOS</p> <p>↓ 0231 GS-4B 0232</p>
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
31 DSN COVERAGE	<p>63 1140 40 0155 63 [D1] 0700</p> <p>60</p>
32 DSN COVERAGE	<p>40 1940 43 [D] 2340</p> <p>40</p>
S/C 32 INITIAL CONDITIONS RTLT: 27h 16m 32s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 27h 16m 32s</p> <p>0000 RTLT 27h 16m 32s</p>
FDS MODE	CR-5T
XB DATA RATE(MI)	160(32)
VGR COVERAGE	ON CALL
NOTES	<p>[1] A082B BACKUP UPLINK TRACK</p> <p>[2] S/C 31=GS-4B @ 0231 XB=2.8K(41) NOT RECOVERABLE</p>
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 17 FEB 18	

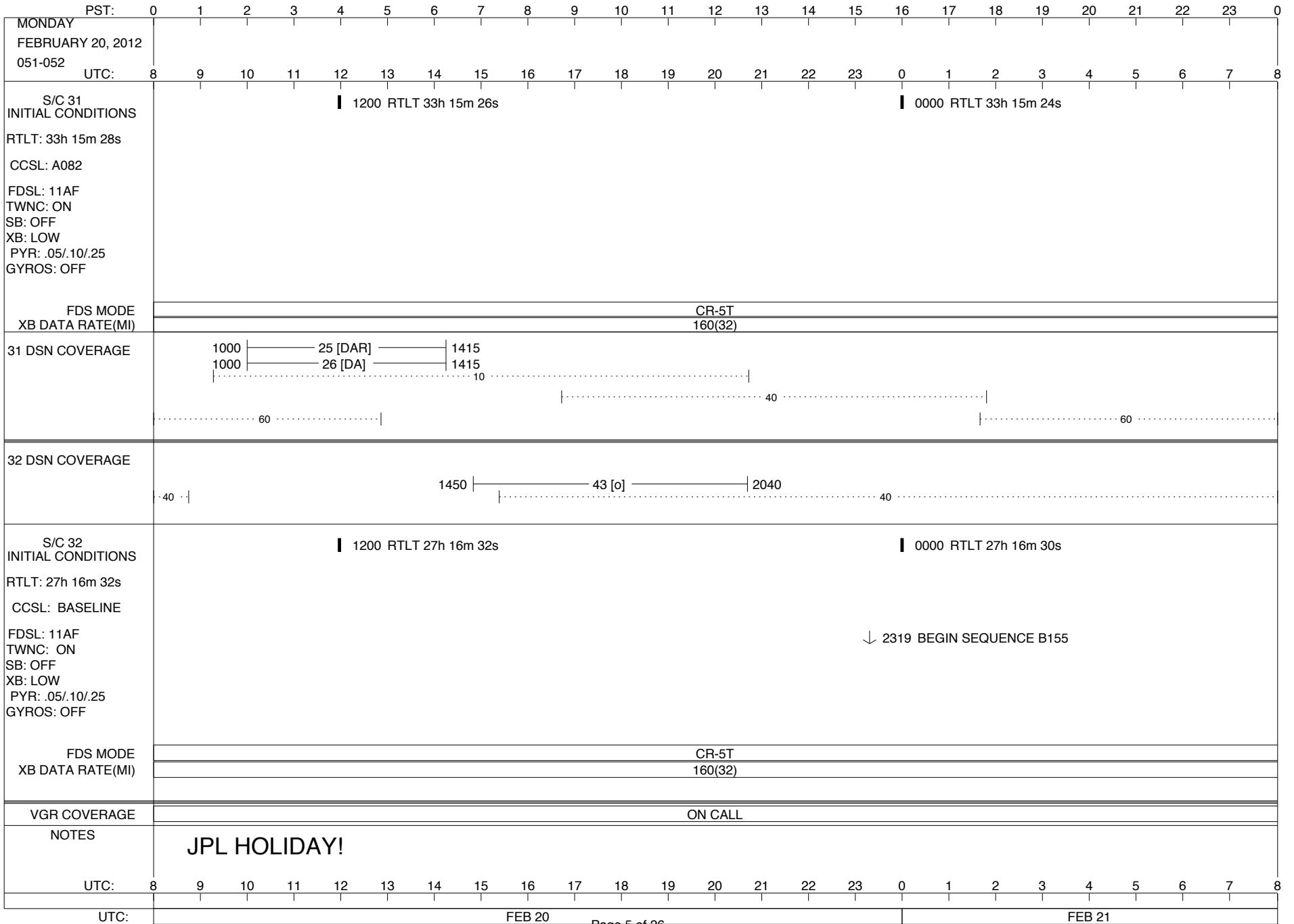
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SATURDAY FEBRUARY 18, 2012 049-050																									
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S/C 31 INITIAL CONDITIONS	1200 RTLT 33h 15m 34s												0000 RTLT 33h 15m 32s												
RTLT: 33h 15m 36s																									
CSSL: A082	1559 * 1604 A082A CHKSUM																								
FDSL: 11AF																									
TWNC: ON	1628 * 1629 2 AHELIO SID MRO'S																								
SB: OFF																									
XB: LOW																									
PYR: .05/10/25																									
GYROS: OFF																									
FDS MODE	CR-5T								EL-40				CR-5T												
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	<p>1055 ----- 15 [DA] ----- 1730</p> <p>1055 ----- 25 [DAR] ----- 1730</p> <p>..... ----- 10 ----- 40 ----- 0220 ----- 63 [D] ----- 0620</p> <p>..... ----- 60 ----- 60</p>																								
32 DSN COVERAGE	<p>40 .. ----- 0020 ----- 43 [D] ----- 0420</p> <p>..... ----- 40 ----- 60</p>																								
S/C 32 INITIAL CONDITIONS	1200 RTLT 27h 16m 32s												0000 RTLT 27h 16m 32s												
RTLT: 27h 16m 32s																									
CSSL: 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								VGR				ON CALL												
NOTES	<p>[1] S/C 31=EL-40 XB=40(30) @ 1532</p> <p>[2] S/C 31=CR-5T XB=160(32) @ 1632</p>																								
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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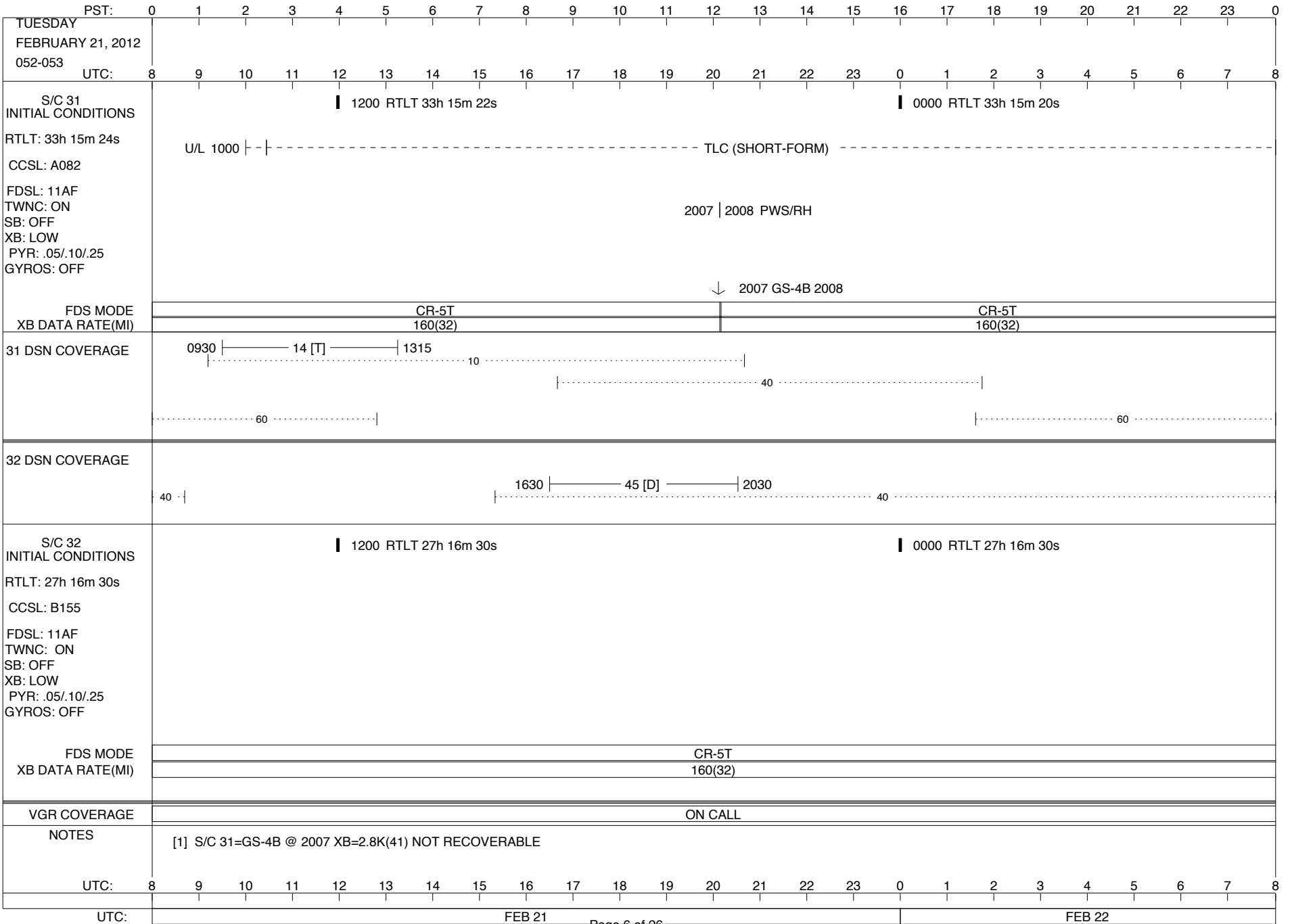
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ISSUE DATE: 02/15/12 21:39



ISSUE DATE: 02/15/12 21:39



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 22, 2012 053-054																												
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S/C 31 INITIAL CONDITIONS RTLT: 33h 15m 20s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 15m 18s														0000 RTLT 33h 15m 16s													
TLC (SHORT-FORM) -----+ D/L - 2043																												
FDS MODE														CR-5T														
XB DATA RATE(MI)														160(32)														
31 DSN COVERAGE	1035 ----- 24 [DAR] ----- 1445 1035 ----- 25 [DA] ----- 1445 ----- 10 ----- ----- 40 ----- ----- 60 -----																											
32 DSN COVERAGE	40 ----- 1525 ----- 43 [B] ----- 2020 ----- 40 -----																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 16m 30s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 16m 30s														0000 RTLT 27h 16m 28s													
▼ 1722 DUMMY (5 MIN BRACKETED 20:39)																												
FDS MODE														CR-5T														
XB DATA RATE(MI)														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			
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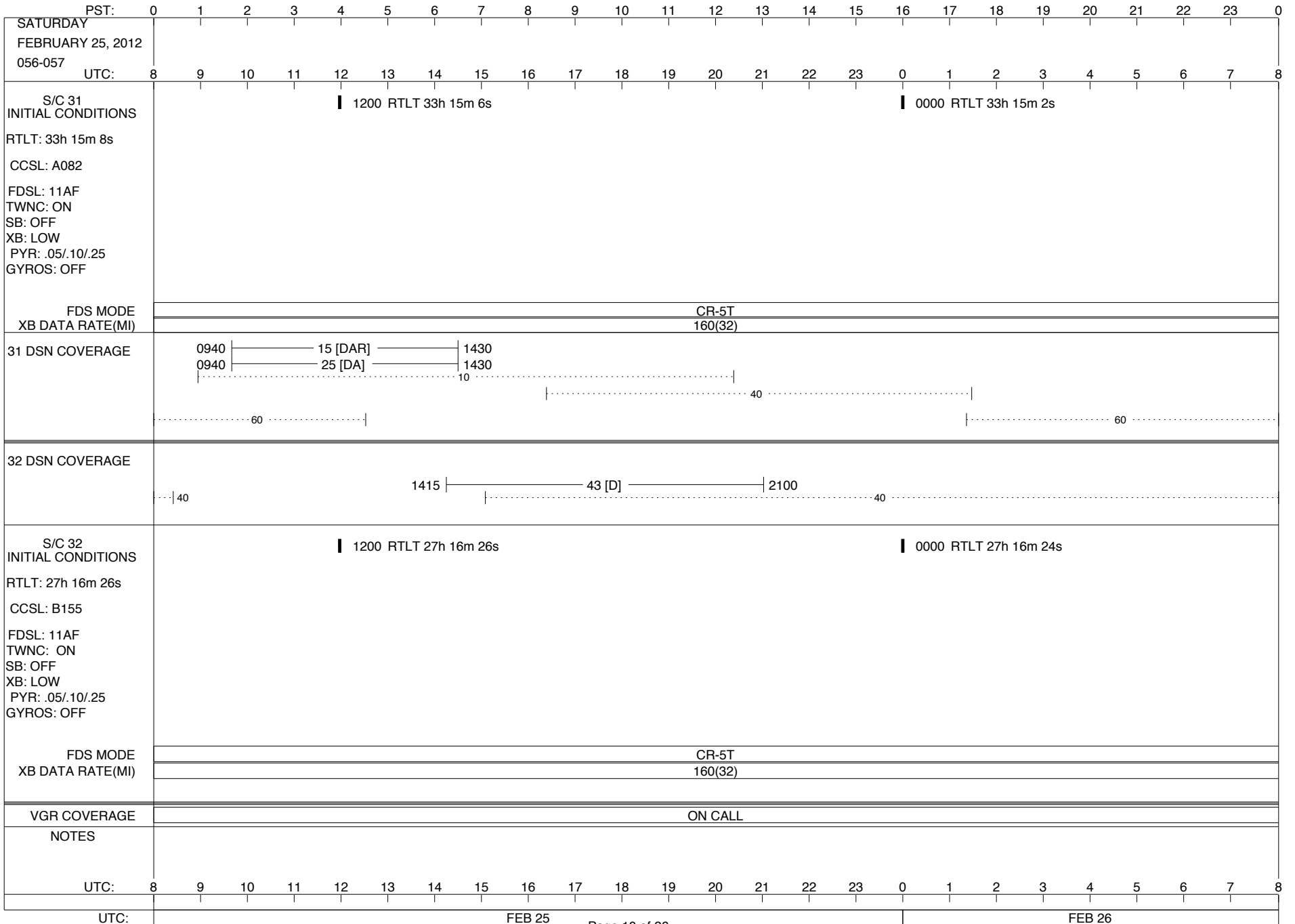
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THURSDAY FEBRUARY 23, 2012 054-055																												
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S/C 31 INITIAL CONDITIONS RTLT: 33h 15m 16s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF					█ 1200																█ 0000							
FDS MODE														CR-5T														
XB DATA RATE(MI)														160(32)														
31 DSN COVERAGE	0945	----- 15 [DA] -----										1520																
	0945	----- 25 [DAR] -----										1520																
	----- 10 -----										----- 40 -----										----- 60 -----							
32 DSN COVERAGE	40	----- 1655 -----										----- 34 [D] -----		2125	----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLT: 27h 16m 28s CCSL: B155 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)														
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			
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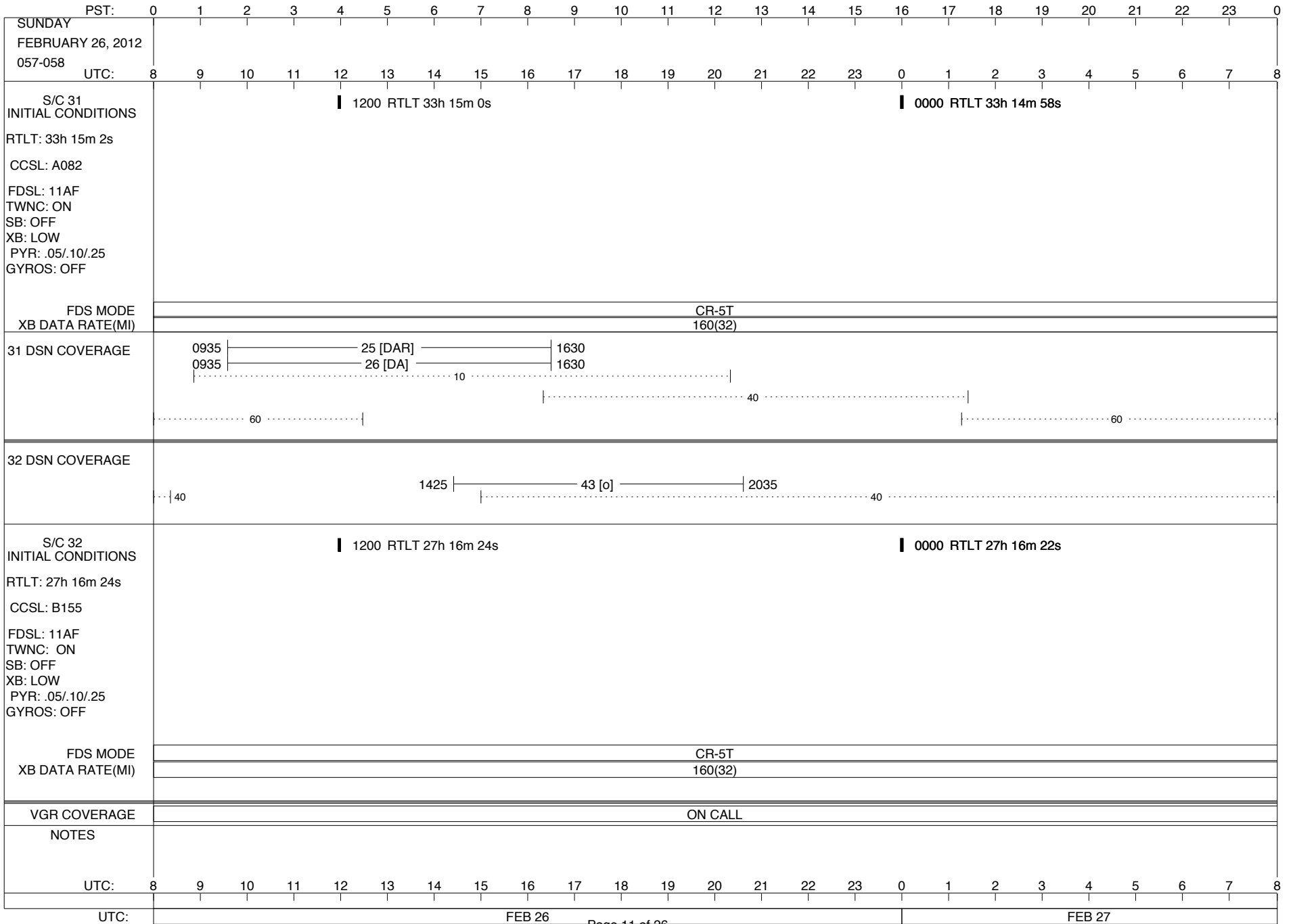
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FRIDAY FEBRUARY 24, 2012 055-056																													
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS RTLT: 33h 15m 12s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		█ 1200 RTLT 33h 15m 10s														█ 0000 RTLT 33h 15m 8s													
FDS MODE		CR-5T														CR-5T													
XB DATA RATE(MI)		160(32)														160(32)													
31 DSN COVERAGE		0900 ----- 14 [D] ----- 1315 ----- 10 ----- ----- 40 ----- ----- 60 -----																											
32 DSN COVERAGE		40 ----- 1415 ----- 43 [D] ----- 1830 ----- 40 -----																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 16m 28s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		█ 1200 RTLT 27h 16m 26s														█ 0000 RTLT 27h 16m 26s													
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 @ 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			
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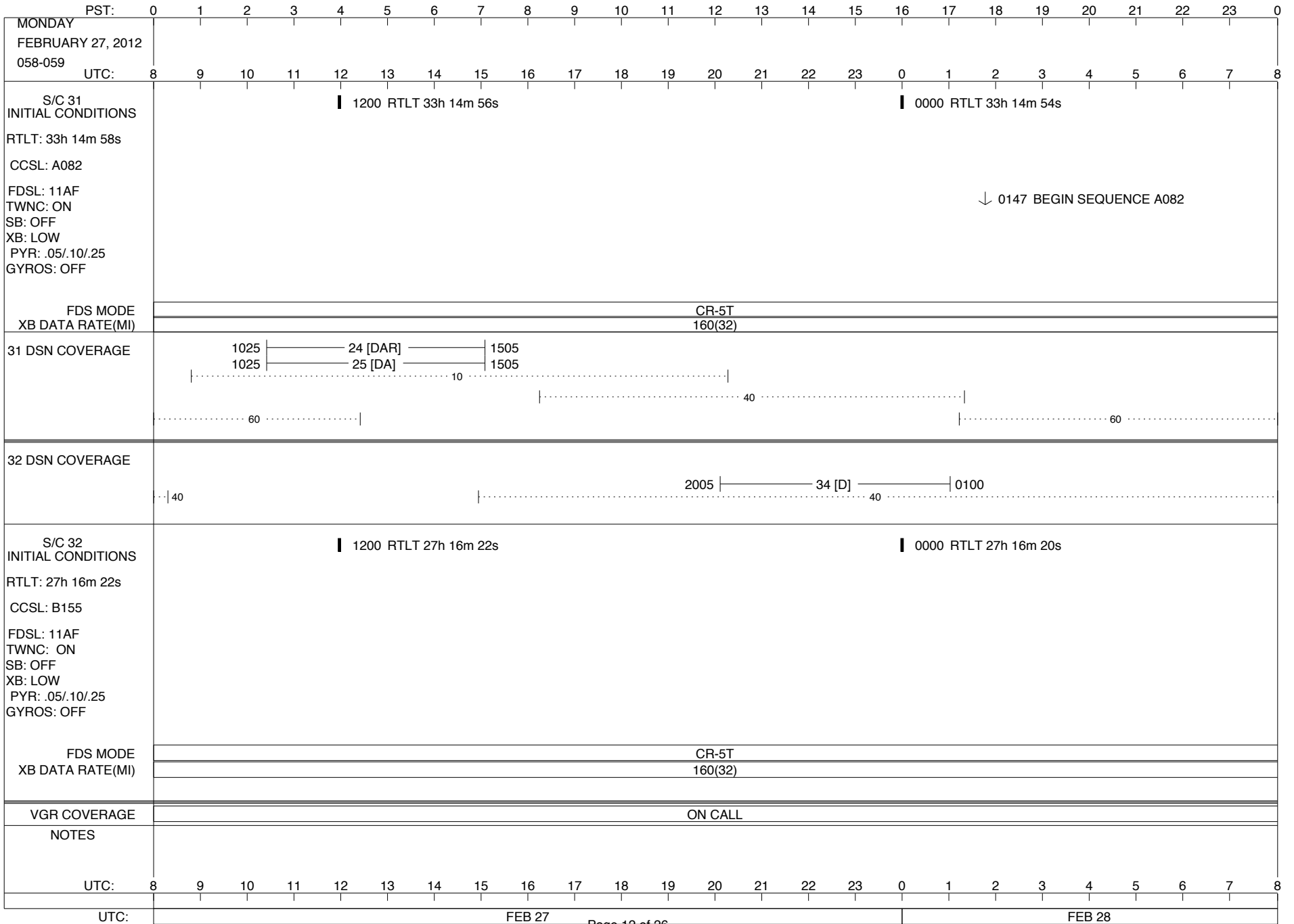
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ISSUE DATE: 02/15/12 21:39



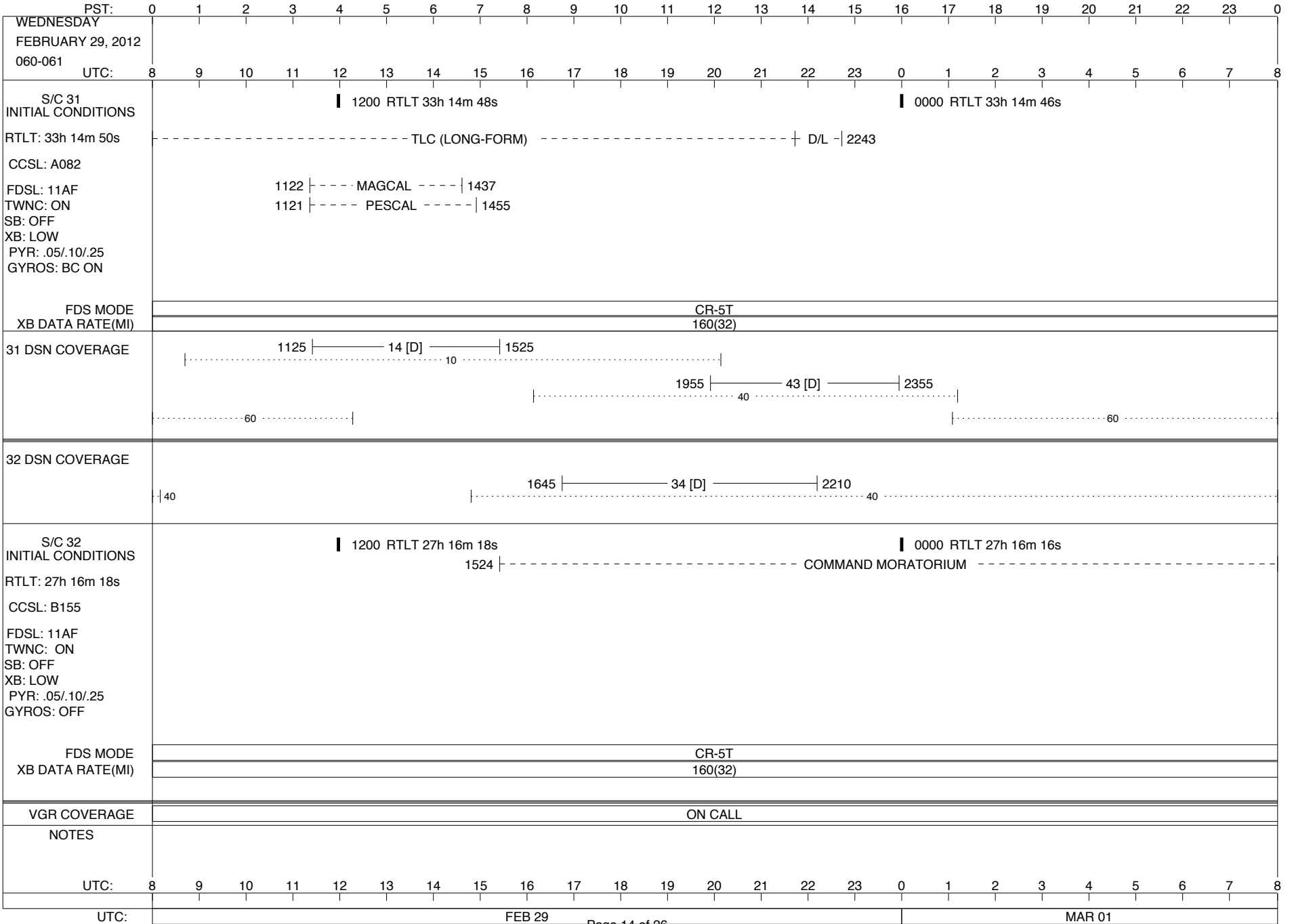
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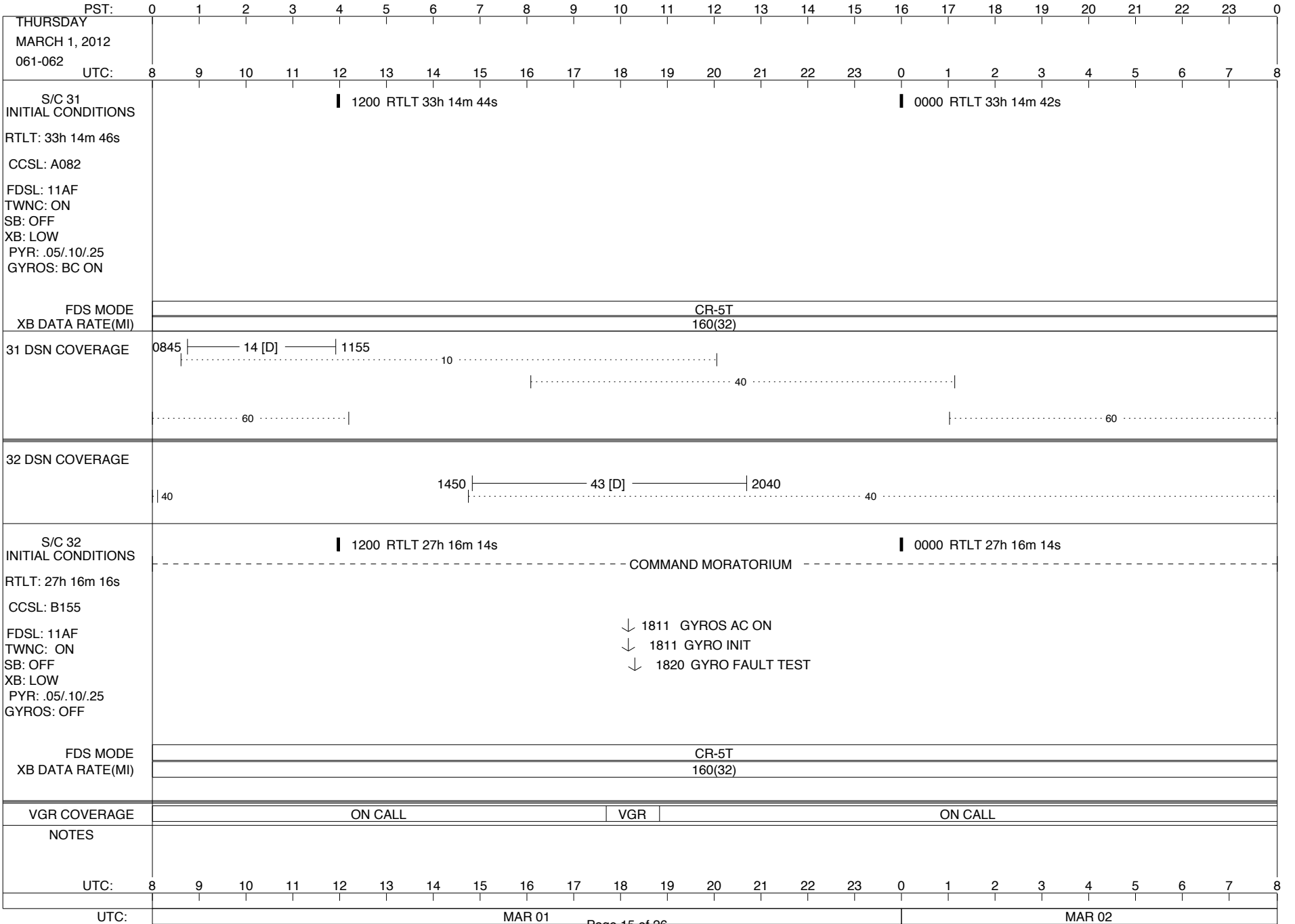
ISSUE DATE: 02/15/12 21:39

TUESDAY FEBRUARY 28, 2012 059-060		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																							
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: 33h 14m 54s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 33h 14m 52s												0000 RTLT 33h 14m 50s											
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)												CR-5T 160(32)											
31 DSN COVERAGE		0930 ----- 14 [T] ----- 1415 ----- 10 ----- ----- 40 ----- ----- 60 -----																							
32 DSN COVERAGE		40 ----- 1655 ----- 43 [B] ----- 2055 ----- ----- 40 -----																							
S/C 32 INITIAL CONDITIONS RTLTL: 27h 16m 20s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF		1200 RTLT 27h 16m 20s												0000 RTLT 27h 16m 18s											
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																							
VGR COVERAGE		ON CALL						VGR		ON CALL						VGR		ON CALL							
NOTES		[1] S/C 31=GS-4B @ 1943 XB=2.8K(41) NOT RECOVERABLE																							
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UTC:		FEB 28												FEB 29											

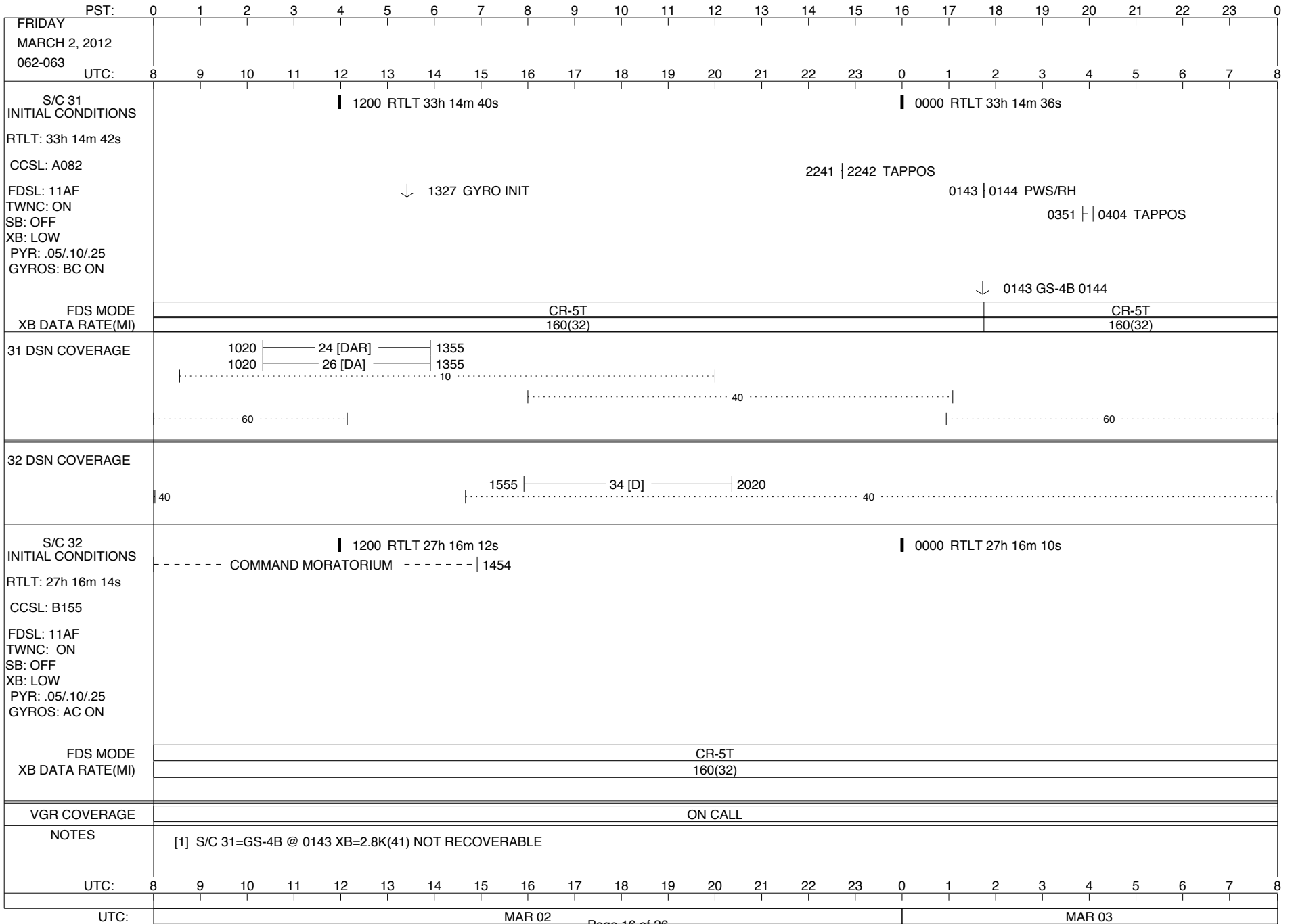
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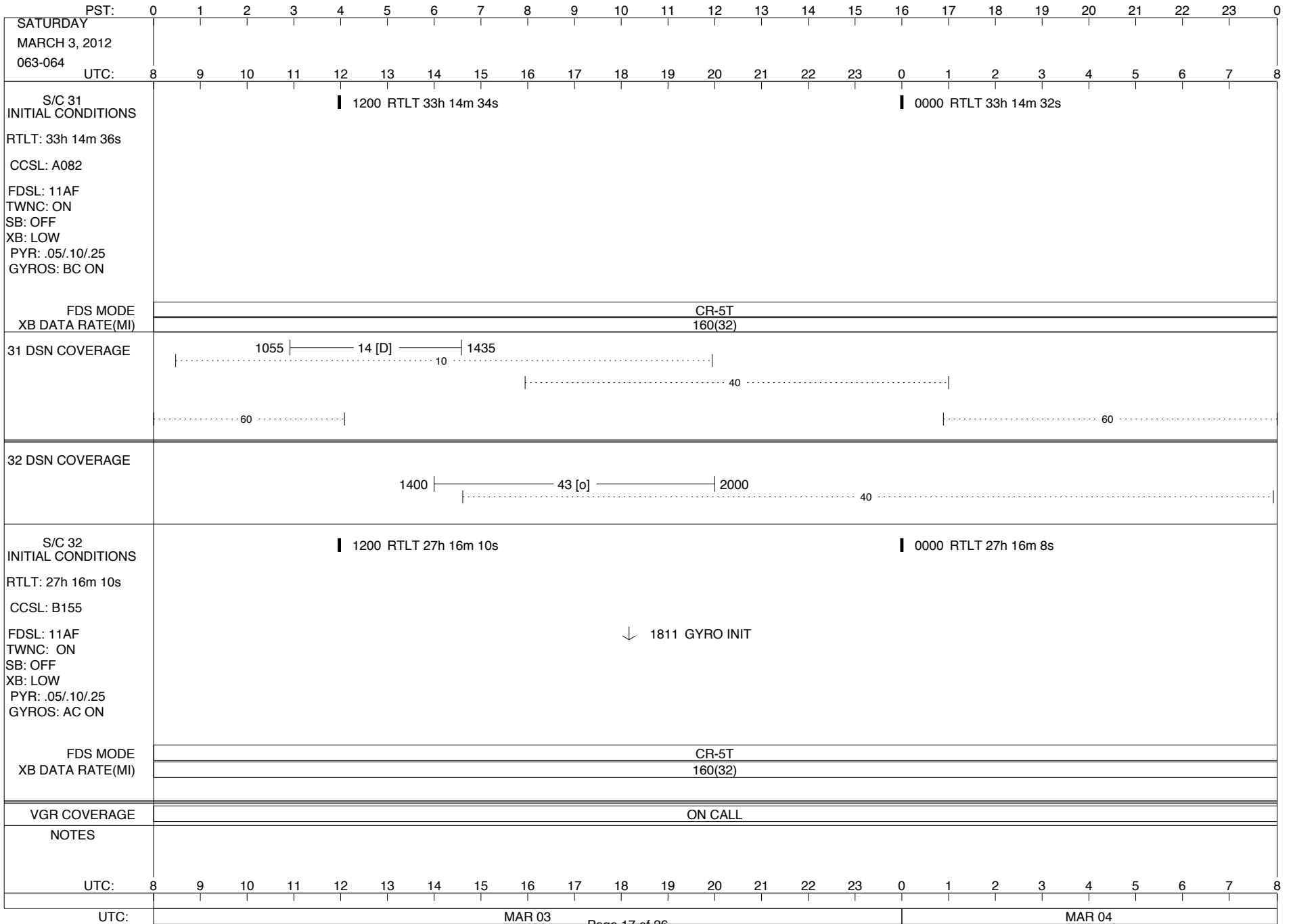
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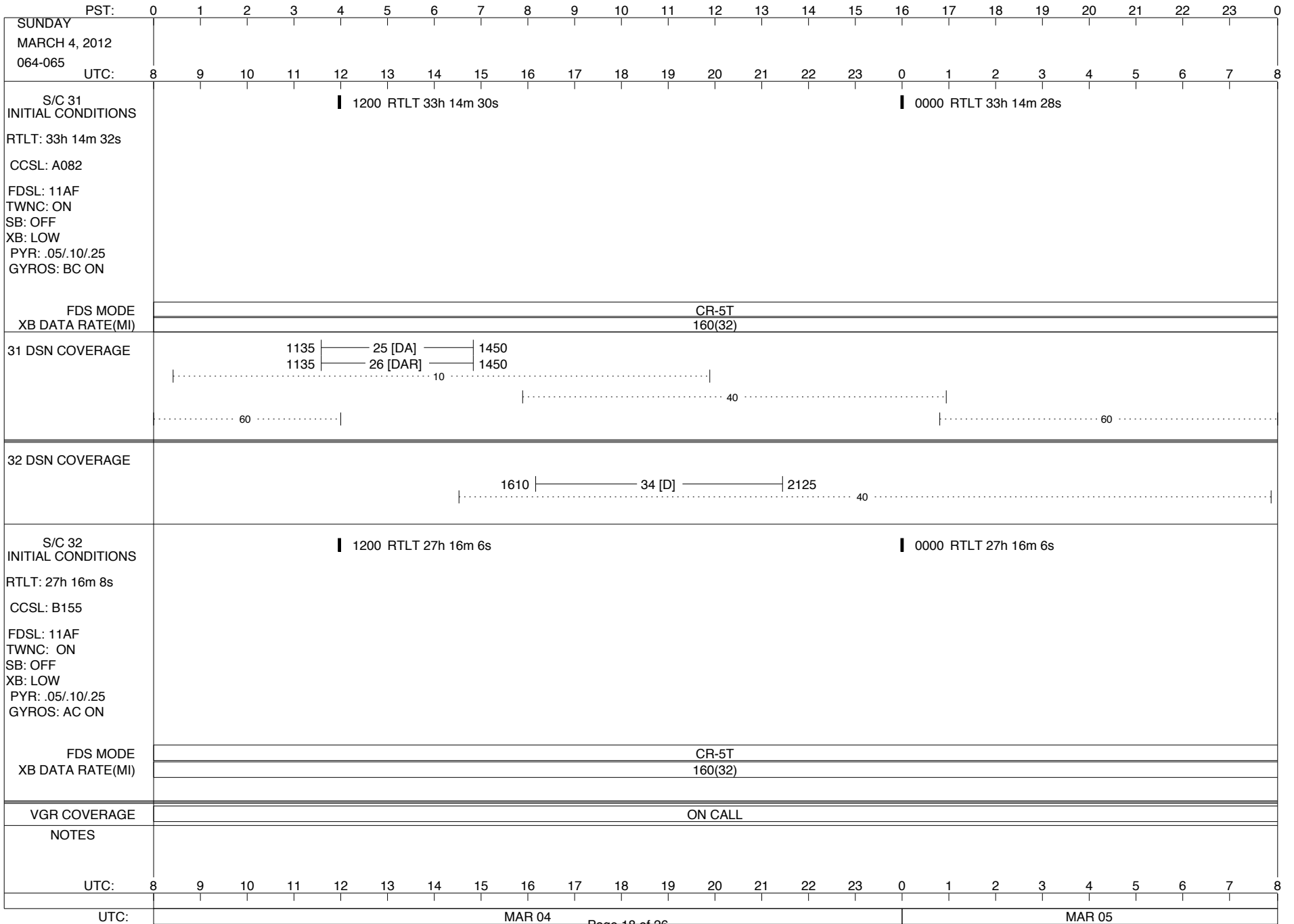
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ISSUE DATE: 02/15/12 21:39



ISSUE DATE: 02/15/12 21:39



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 MARCH 5, 2012 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: 33h 14m 28s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	█ 1200 RTLTL 33h 14m 26s												█ 0000 RTLTL 33h 14m 24s												
	↓ 1327 GYRO INIT																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1010 ----- 14 [D] ----- 1510 ----- 10 ----- ----- 40 ----- ----- 60 -----																								
32 DSN COVERAGE													1645 ----- 43 [B] ----- 2040 ----- 40 ----- 0445 ----- 43 [D] -----												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 16m 6s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AC ON	█ 1200 RTLTL 27h 16m 4s												█ 0000 RTLTL 27h 16m 2s												
	▼ 1727 DUMMY (5 MIN BRACKETED 20:44)																								
	↓ 1811 GYRO INIT																								
FDS MODE XB DATA RATE(MI)													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:	MAR 05																		MAR 06						

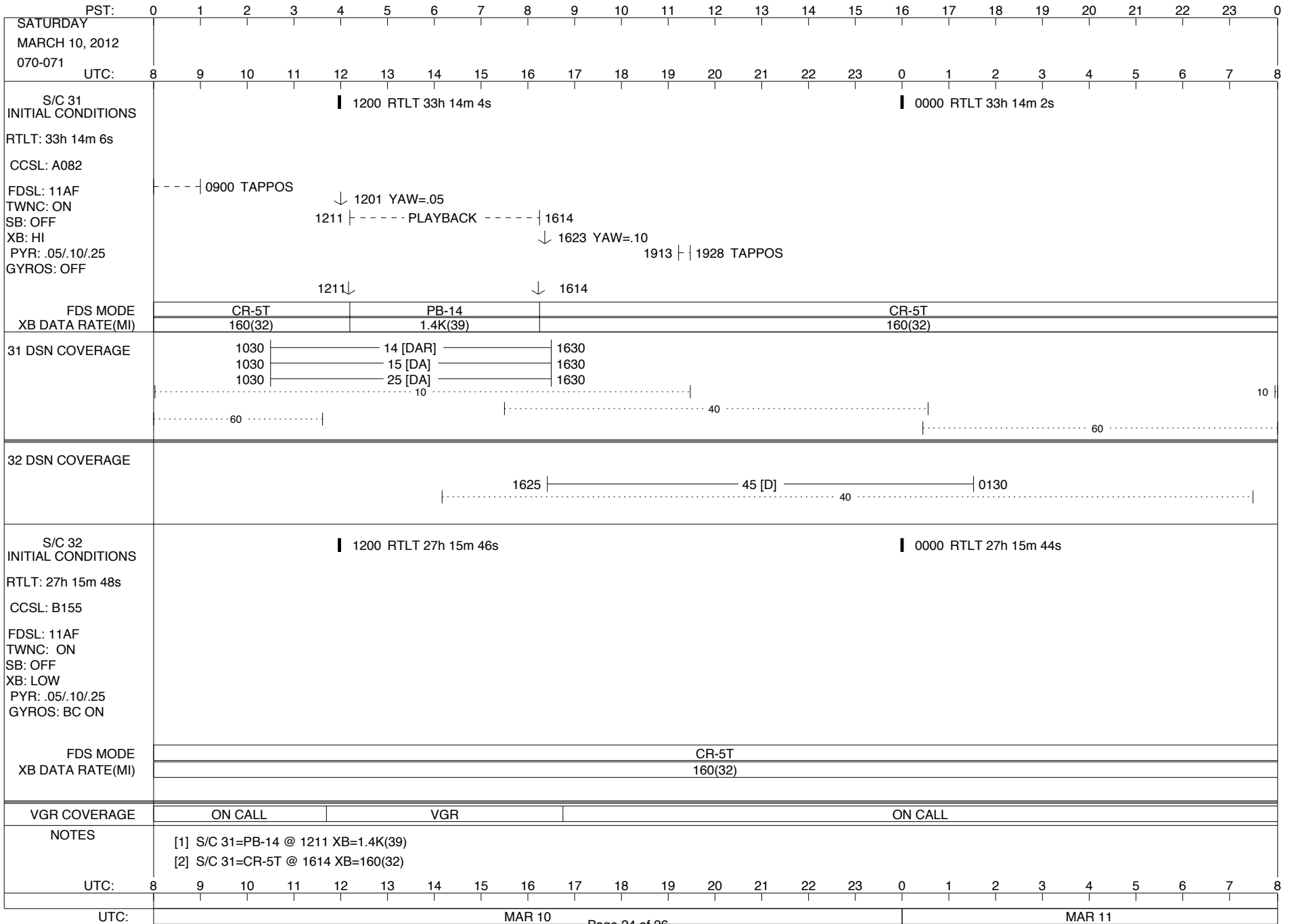
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WEDNESDAY																													
MARCH 7, 2012																													
067-068																													
UTC:		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8			
S/C 31 INITIAL CONDITIONS		1200 RTLT 33h 14m 18s														0000 RTLT 33h 14m 16s													
RTLT: 33h 14m 20s		↓ 0951 BAY 1 HTR OFF ↓ 0955 X/B HI POWER ↓ 1031 AAI 1034 ----- MAGROL ----- 1630 ↓ 1622 RAI ↓ 1630 GYROS OFF ↓ 1630 CRU																											
CCSL: A082																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/10/25																													
GYROS: BC ON																													
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
31 DSN COVERAGE		0945 ----- 14 [D] ----- 1705 ----- 10 ----- ----- 40 ----- 60 ----- 60																											
32 DSN COVERAGE		1740 ----- 43 [D] ----- 2040 2020 ----- 45 [D] ----- 2235 ----- 40 -----																											
S/C 32 INITIAL CONDITIONS		1200 RTLT 27h 15m 58s														0000 RTLT 27h 15m 56s													
RTLT: 27h 15m 58s		1524 ----- COMMAND MORATORIUM -----																											
CCSL: B155		↓ 1810 GYRO INIT																											
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/10/25																													
GYROS: AC ON																													
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
VGR COVERAGE		ON CALL								VGR								ON CALL											
NOTES		[1] S/C 31=D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1034-1630)																											
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 07														MAR 08													

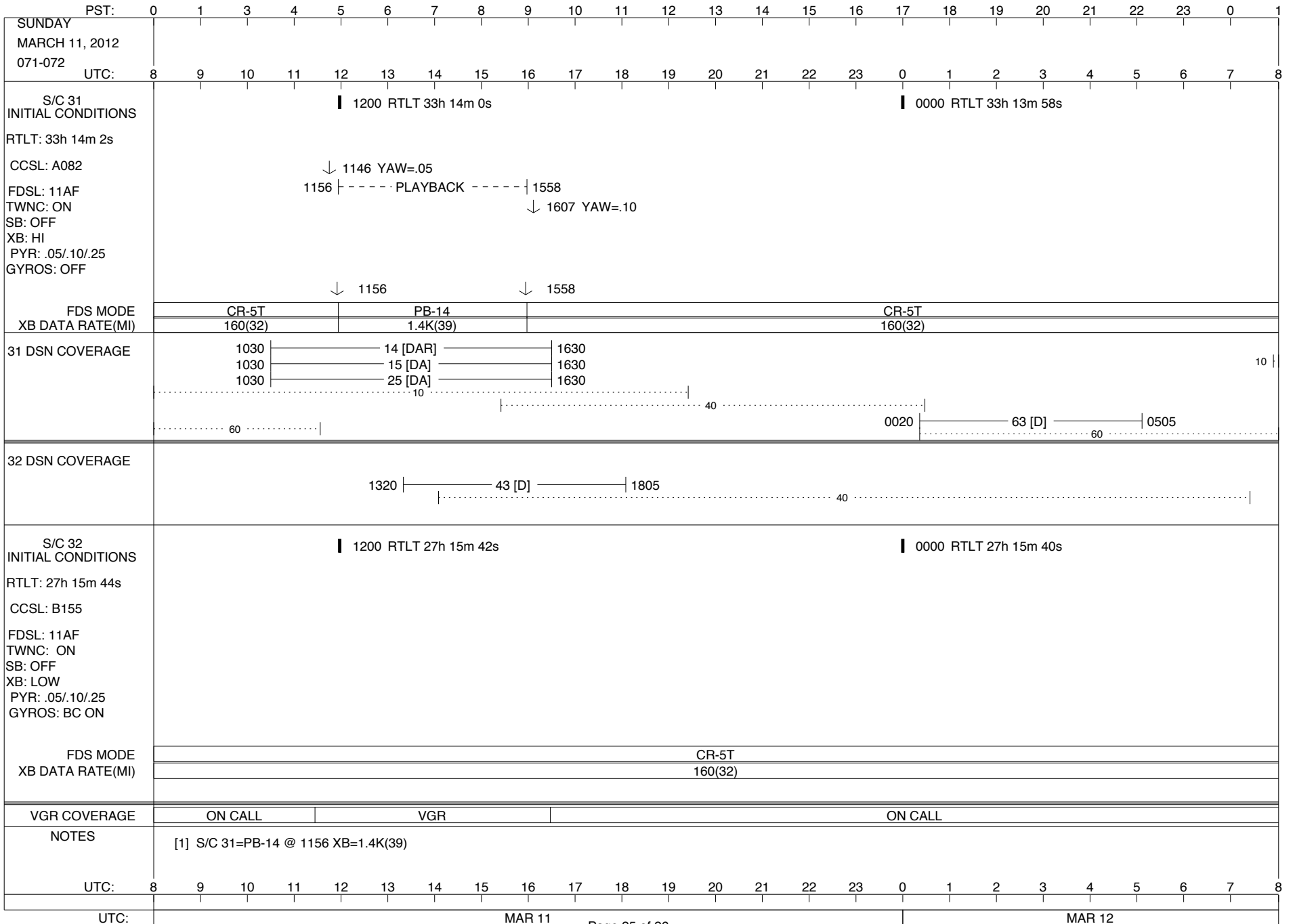
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UTC:	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8	
S/C 31 INITIAL CONDITIONS	█ 1200 RTLT 33h 14m 8s												█ 0000 RTLT 33h 14m 6s													
RTLTL: 33h 14m 10s													2217 2217 TAPPOS													
CCSL: A082													0119 0120 PWS/RH													
FDSL: 11AF	----- TLC (LONG-FORM) -----												+ D/L - 2342													
TWNC: ON													0326 0340 TAPPOS													
SB: OFF													TAPPOS 0708 ---													
XB: HI																										
PYR: .05/10/25																										
GYROS: OFF													↓ 0119 GS-4B 0120													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	1010 ----- 26 [D] ----- 1440												----- -----													
	----- -----												----- -----													
	----- -----												----- -----													
32 DSN COVERAGE													1810 ----- 34 [D] ----- 2210													
													----- -----													
S/C 32 INITIAL CONDITIONS	█ 1200 RTLT 27h 15m 50s												█ 0000 RTLT 27h 15m 48s													
RTLTL: 27h 15m 52s	----- COMMAND MORATORIUM ----- 1454																									
CCSL: B155																										
FDSL: 11AF																										
TWNC: ON																										
SB: OFF																										
XB: LOW																										
PYR: .05/10/25																										
GYROS: BC ON																										
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0119 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 09												MAR 10													

ISSUE DATE: 02/15/12 21:39



ISSUE DATE: 02/15/12 21:39



PDT:	1	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 12, 2012 072-073																									
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: 33h 13m 58s CCSL: A082 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	<p>1200 RTLT 33h 13m 56s</p> <p>1257 1311 TAPPOS</p>																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	<p>1145 ----- 26 [D] ----- 1445</p> <p>..... </p> <p>..... 60</p>																								
32 DSN COVERAGE	<p>1650 ----- 43 [D] ----- 2040</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 27h 15m 40s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: BC ON	<p>1200 RTLT 27h 15m 38s</p> <p>↓ 1902 BAY 1 HTR OFF</p> <p>↓ 1906 X/B HI POWER</p> <p>↓ 1926 ALL DB=.05</p> <p>↓ 1942 AAI</p> <p>1943 - - 2020 ASCAL</p> <p>↓ 2017 RAI</p> <p>↓ 2020 CRU</p> <p>↓ 2028 YAW=.10</p> <p>↓ 2028 ROLL=.25</p> <p>↓ 2030 GYRO FAULT TEST</p> <p>1911 ↓ ↓ 2023</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	<p>[1] S/C 32=D/L /SNR VARIATIONS EXPECTED DURING ASCAL (1943-2020)</p> <p>[2] S/C 32=EL-40 XB=40(30) @ 1911</p> <p>[3] S/C 32=CR-5T XB=160(32) @ 2023</p>																								
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 12												MAR 13												