

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: May 4, 2016

For the Period: 05/05/16 to 05/22/16 (16-126 – 16-143)

**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



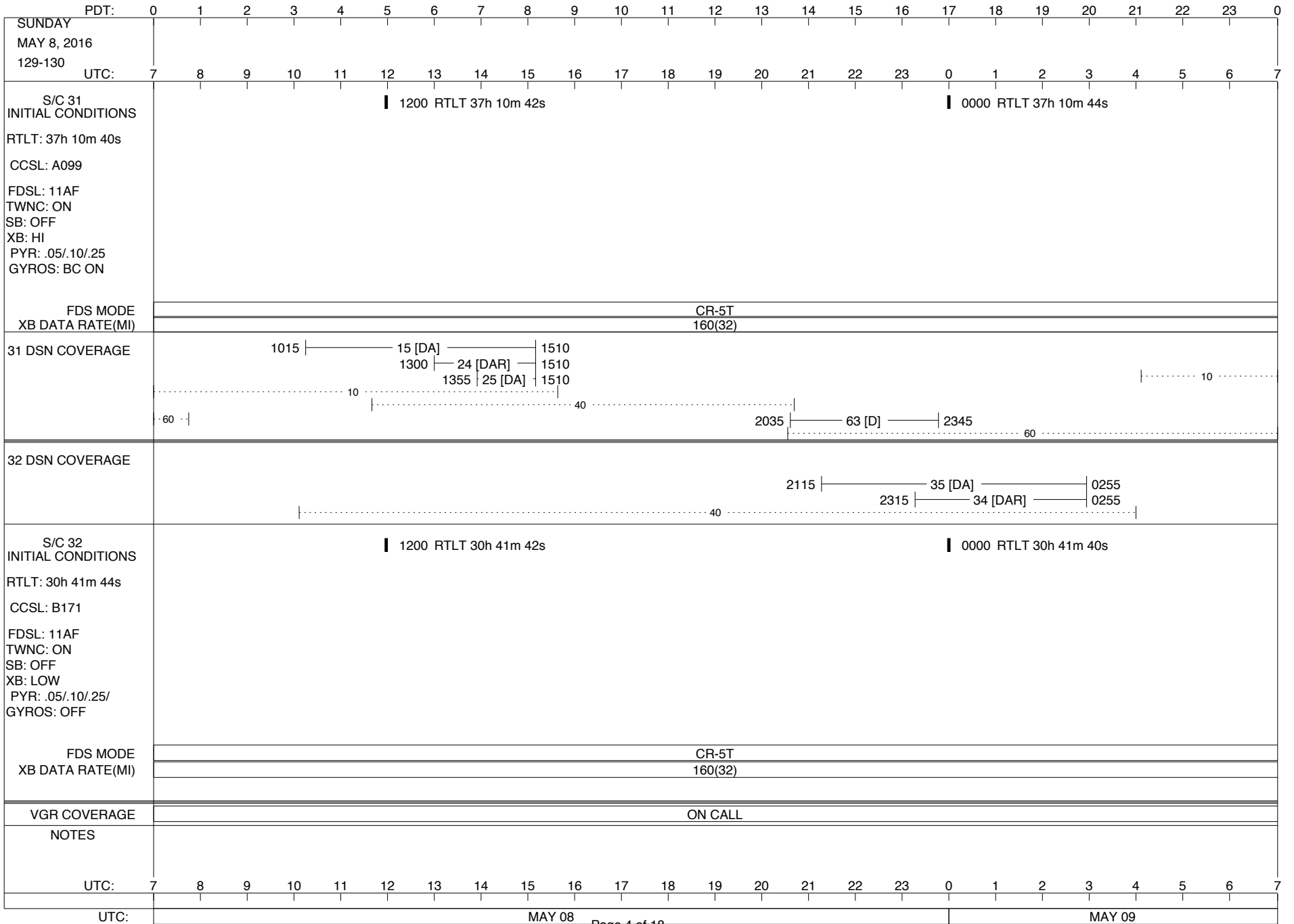
ISSUE DATE: 05/05/16 00:17

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S/C 31 INITIAL CONDITIONS RTLT: 37h 10m 34s CCSL: A099 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	█ 1200 RTLT 37h 10m 36s												█ 0000 RTLT 37h 10m 38s															
----- TLC (SHORT-FORM) -----																												
↓ 1211 RE-ENA MAGROLS 1221   -   1247 DMRO 1257   -   1324 DMRO - REDUNDANT																												
FDS MODE	CR-5T																											
XB DATA RATE(MI)	160(32)																											
31 DSN COVERAGE	----- 26 [D] -----  0725 - 1330																											
	----- 10 -----										----- 40 -----										----- 10 -----							
	----- 60 -----										----- 60 -----																	
32 DSN COVERAGE	1015  ----- 43 [D] -----  1155																											
	----- 40 -----										2320  ----- 43 [D] -----  0405																	
S/C 32 INITIAL CONDITIONS RTLT: 30h 41m 52s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLT 30h 41m 50s												█ 0000 RTLT 30h 41m 48s															
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:	MAY 06														MAY 07													

ISSUE DATE: 05/05/16 00:17

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SATURDAY MAY 7, 2016 128-129																									
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S/C 31 INITIAL CONDITIONS RTLT: 37h 10m 38s CCSL: A099 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 37h 10m 38s												0000 RTLT 37h 10m 40s												
	----- TLC (SHORT-FORM) -----  D/L -  1309												2152   2205 TAPPOS 0054   0055 PWS/RH 0106   0107 TAPPOS												
													↓ 0054 GS-4B 0055												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	25 [DA]   0710 - 1410 1305   1410 24 [DAR]												10   40   60   10												
32 DSN COVERAGE	1615   34 [o]   2320												0135   0240 34 [DAR] 0135   0240 45 [DA]												
	40												40												
S/C 32 INITIAL CONDITIONS RTLT: 30h 41m 48s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 41m 46s												0000 RTLT 30h 41m 44s												
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 @ 0054 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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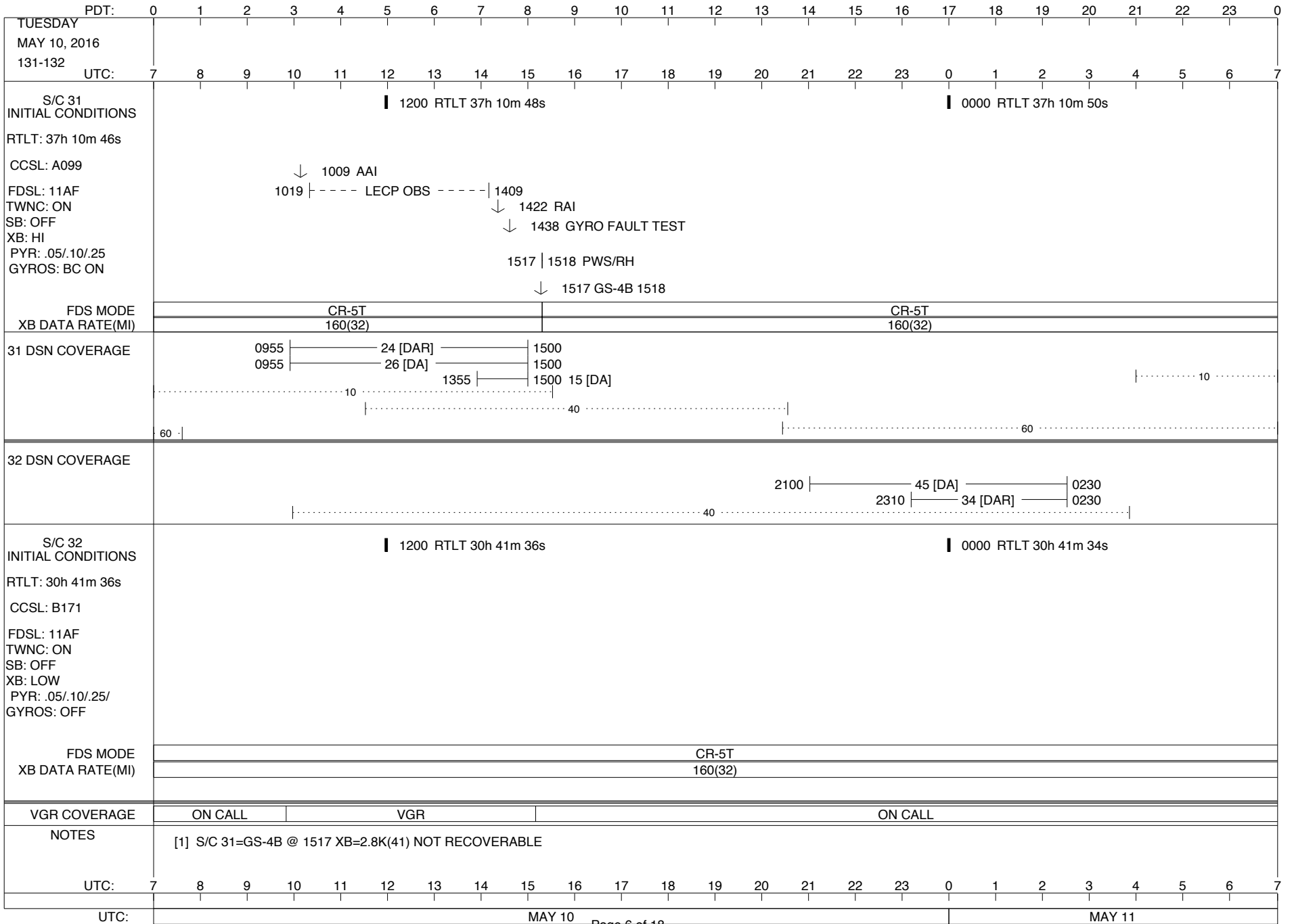
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MONDAY MAY 9, 2016 130-131	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 37h 10m 44s CCSL: A099 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 37h 10m 46s												0000 RTLT 37h 10m 46s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
31 DSN COVERAGE	0805  ----- 25 [DAR] -----  1400 0805  ----- 26 [DA] -----  1400  ----- 10 -----   ----- 40 -----  60												2030  ----- 63 [D] -----  0030  ----- 60 -----															
32 DSN COVERAGE	1140  ----- 43 [o] -----  2240  ----- 40 -----																											
S/C 32 INITIAL CONDITIONS RTLT: 30h 41m 40s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 41m 38s												0000 RTLT 30h 41m 36s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																											
VGR COVERAGE	VGR						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:	MAY 09														MAY 10													

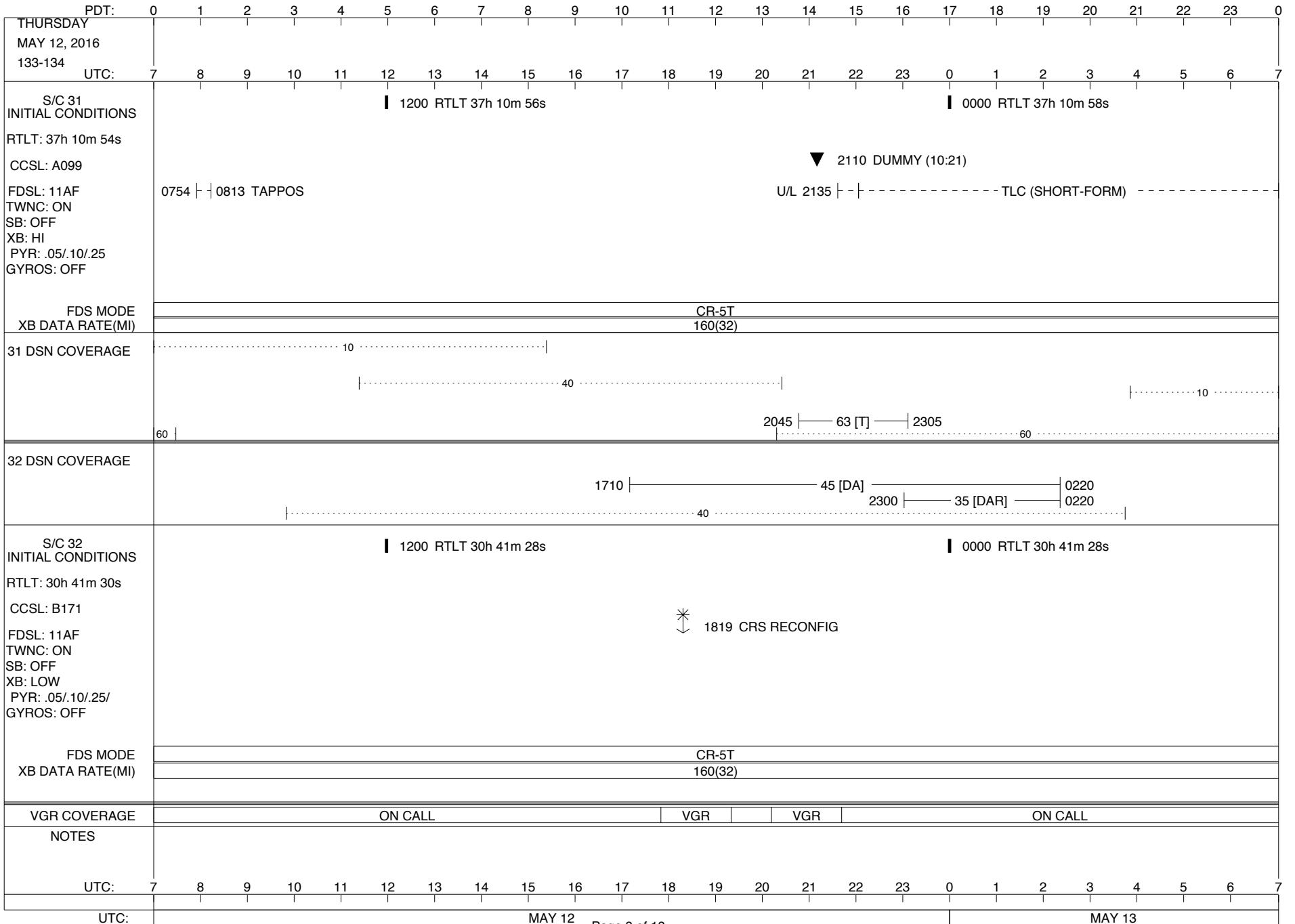
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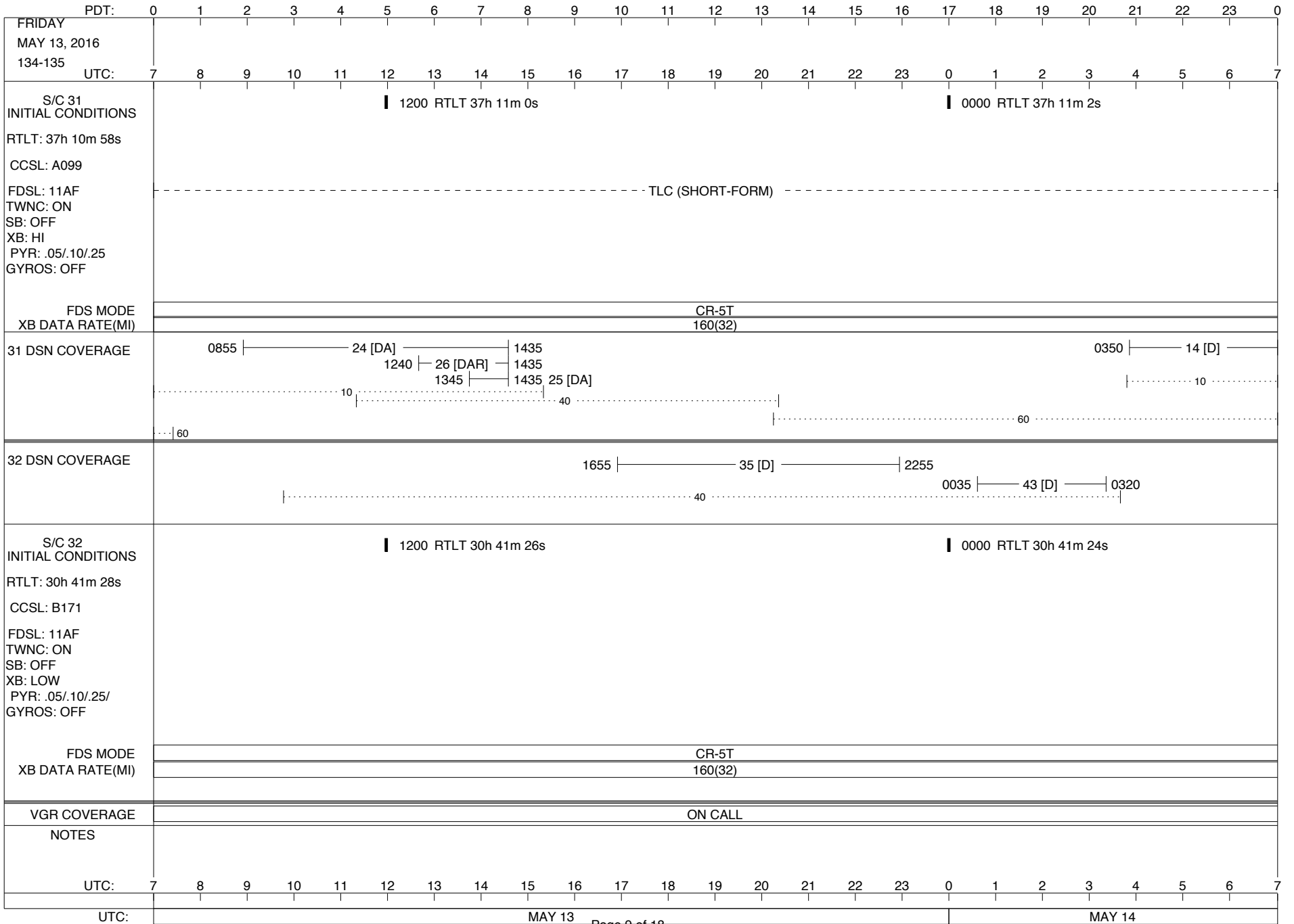




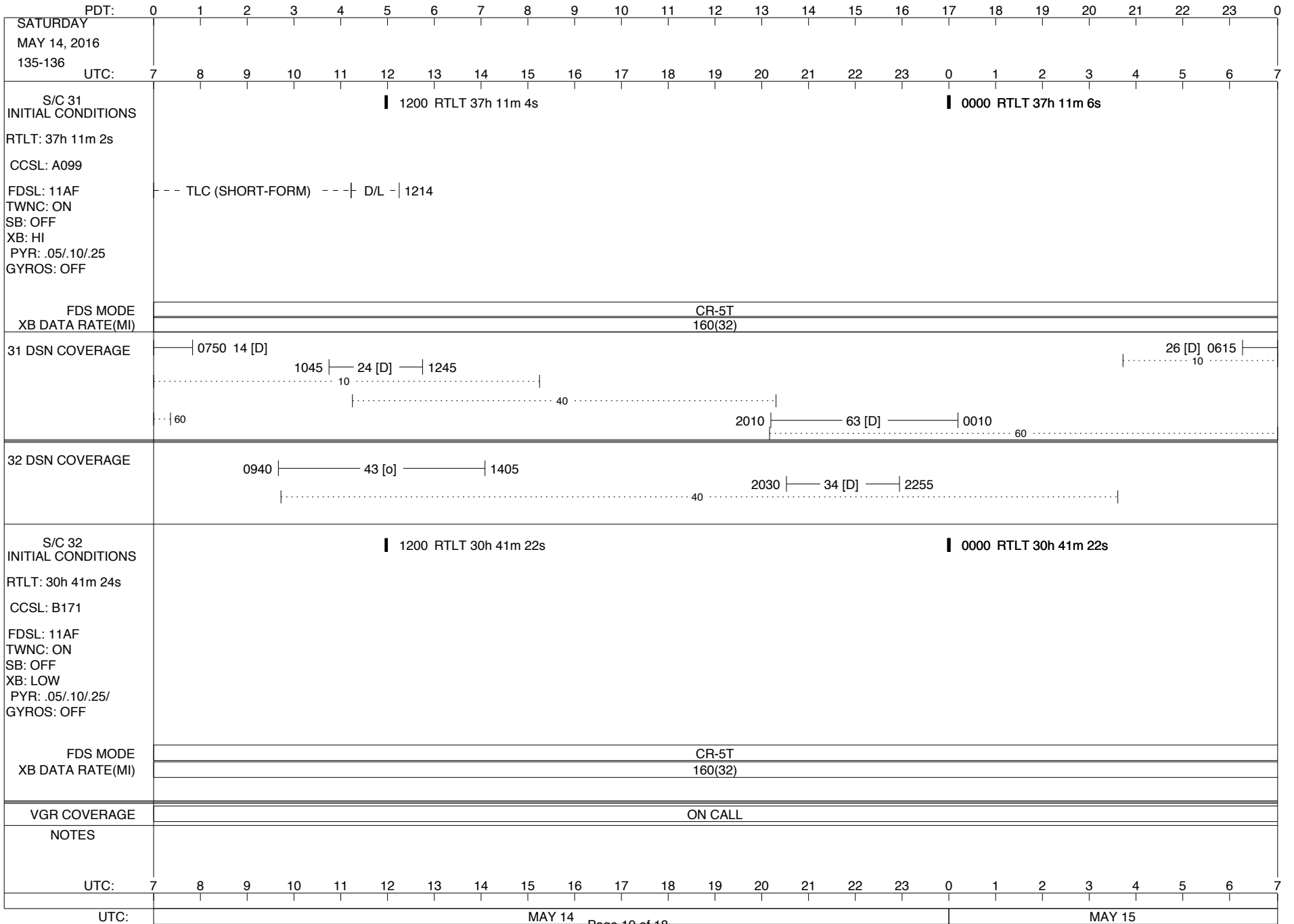
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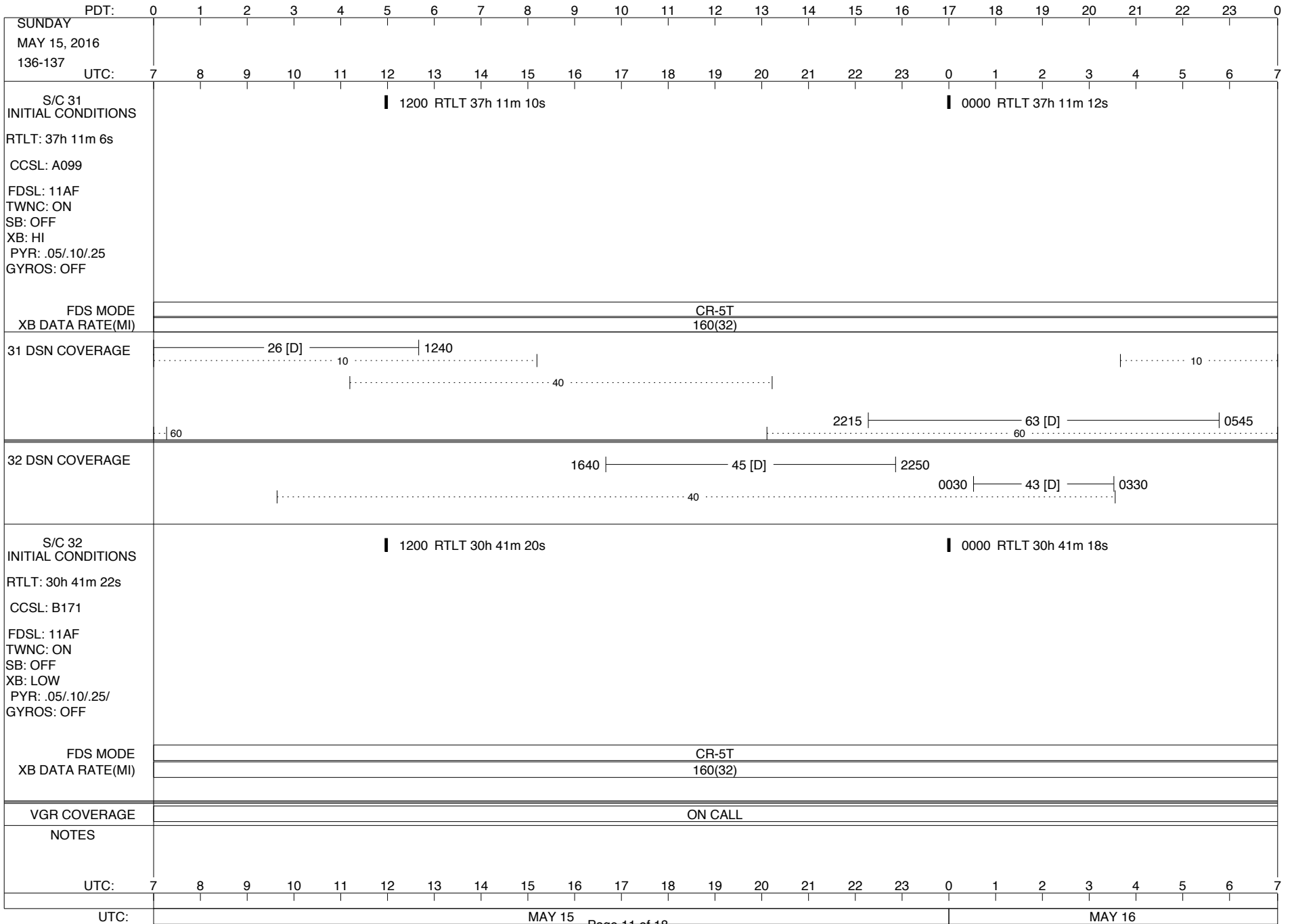
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0		
MONDAY MAY 16, 2016 137-138																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 37h 11m 12s CCSL: A099 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 37h 11m 14s												█ 0000 RTLT 37h 11m 16s									
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	1020  ----- 26 [D] -----  1235													----- 10 -----													
	----- 10 -----													----- 40 -----													
	----- 60 -----													0000  ----- 65 [DA] -----  0600													
	----- 60 -----													54 [DAR] 0450  ----- 0600 -----													
32 DSN COVERAGE	----- 1800 -----  35 [D]  ----- 2055 -----													----- 40 -----													
S/C 32 INITIAL CONDITIONS RTLT: 30h 41m 18s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 30h 41m 18s												█ 0000 RTLT 30h 41m 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:	MAY 16													MAY 17													

ISSUE DATE: 05/05/16 00:17

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 MAY 17, 2016 138-139																									
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: 37h 11m 16s CCSL: A099 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 37h 11m 20s												0000 RTLT 37h 11m 22s												
	↓ 1354 ENA AHEL12 1357   1358 2 AHEL12 SID MRO'S ↓ 1405 X/B LOW POWER ↓ 1409 BAY 1 HTR ON ↓ 1417 GYROS AC ON ↓ 1417 GYRO INIT ↓ 1427 GYRO FAULT TEST 1453   1454 PWS/RH ↓ 1453 GS-4B 1454																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....												.....												
	1330  -----  1445 34 [DAR] 1330  -----  1445 45 [DA]  -----  40 0155  -----  65 [DAR] -----  0555 0155  -----  55 [DA] -----  0555												60  -----  60												
32 DSN COVERAGE	0930  -----  43 [D] -----  1440												1540  -----  34 [D] -----  1710												
	-----  40												2115  -----  35 [D] -----  2235												
S/C 32 INITIAL CONDITIONS RTLT: 30h 41m 16s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 41m 14s												0000 RTLT 30h 41m 14s												
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												ON CALL												
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:	MAY 17												MAY 18												

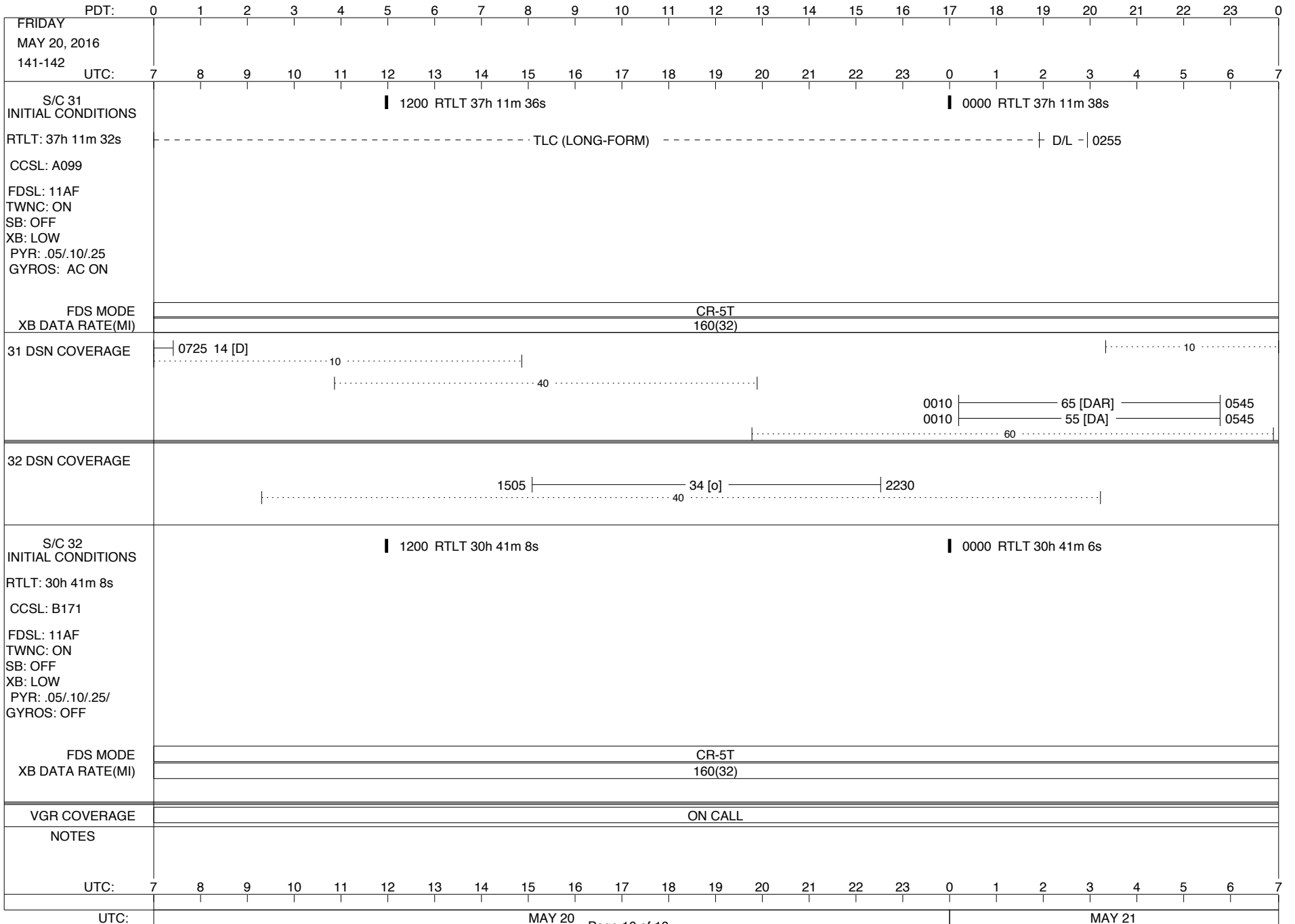
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WEDNESDAY MAY 18, 2016 139-140																											
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 37h 11m 22s CCSL: A099 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON						█ 1200 RTLT 37h 11m 24s												█ 0000 RTLT 37h 11m 28s									
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
31 DSN COVERAGE	.....  10 .....										.....  40 .....										0325  ----- 14 [D] -----  0555 .....  10 .....						
32 DSN COVERAGE	1035  ----- 43 [B] -----  1405				.....  40 .....				1835  ----- 35 [D] -----  2235				0015  ----- 43 [D] -----  0320														
S/C 32 INITIAL CONDITIONS RTLT: 30h 41m 14s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF						█ 1200 RTLT 30h 41m 12s												█ 0000 RTLT 30h 41m 10s									
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:	MAY 18														MAY 19												





ISSUE DATE: 05/05/16 00:17



ISSUE DATE: 05/05/16 00:17

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 MAY 21, 2016 142-143																										
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: 37h 11m 38s CCSL: A099 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	1200 RTLTL 37h 11m 42s												0000 RTLTL 37h 11m 44s													
	↓ 1417 GYRO INIT												2105   2117 TAPPOS													
													0007   0008 PWS/RH 0018   0020 TAPPOS													
													↓ 0006 GS-4B 0008													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	.....  10 .....										.....  10 .....															
	.....  40 .....										.....  60 .....															
											0025  -----  54 [DA]  -----  0540 0025  -----  65 [DAR]  -----  0540															
32 DSN COVERAGE											1400  -----  34 [D]  -----  0145  .....  40 .....															
											2225  -----  35 [D]  -----  0145															
S/C 32 INITIAL CONDITIONS RTLTL: 30h 41m 6s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 30h 41m 6s												0000 RTLTL 30h 41m 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 @ 0006 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:	MAY 21												MAY 22													

ISSUE DATE: 05/05/16 00:17

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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 RTLT: 37h 11m 44s CCSL: A099 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: AC ON	1200 RTLT 37h 11m 48s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	.....  10 .....   ..... 40 .....																										
32 DSN COVERAGE	2000  —— 45 [D] ——  2220																										
S/C 32 INITIAL CONDITIONS RTLT: 30h 41m 4s CCSL: B171 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 30h 41m 4s																										
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:	MAY 22													MAY 23													