

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: May 9, 2012

For the Period: 05/10/12 to 05/28/12 (12-131 – 12-149)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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- LECP \*r.decker@jhupl.edu
- UVS \*holberg@argus.lpl.arizona.edu
- MAG \*u2mha@lepvox.gsfc.nasa.gov
- PLS \*vgr@space.mit.edu
- PWS \*wsk@space.physics.uiowa.edu
- \*Leonard.F.Burlaga@nasa.gov
- \*Donald-Gurnett@uiowa.edu

- Dodd, S.
- Hall, J.
- Howard, S. (3)
- Ludwig, R. (2)
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- Medina, E.
- Peralta, F.
- Weeks, T.
- Wong, R.
- Yang, L
- Zottarelli, L.
- \*odivers1@san.rr.com

**OTHER**

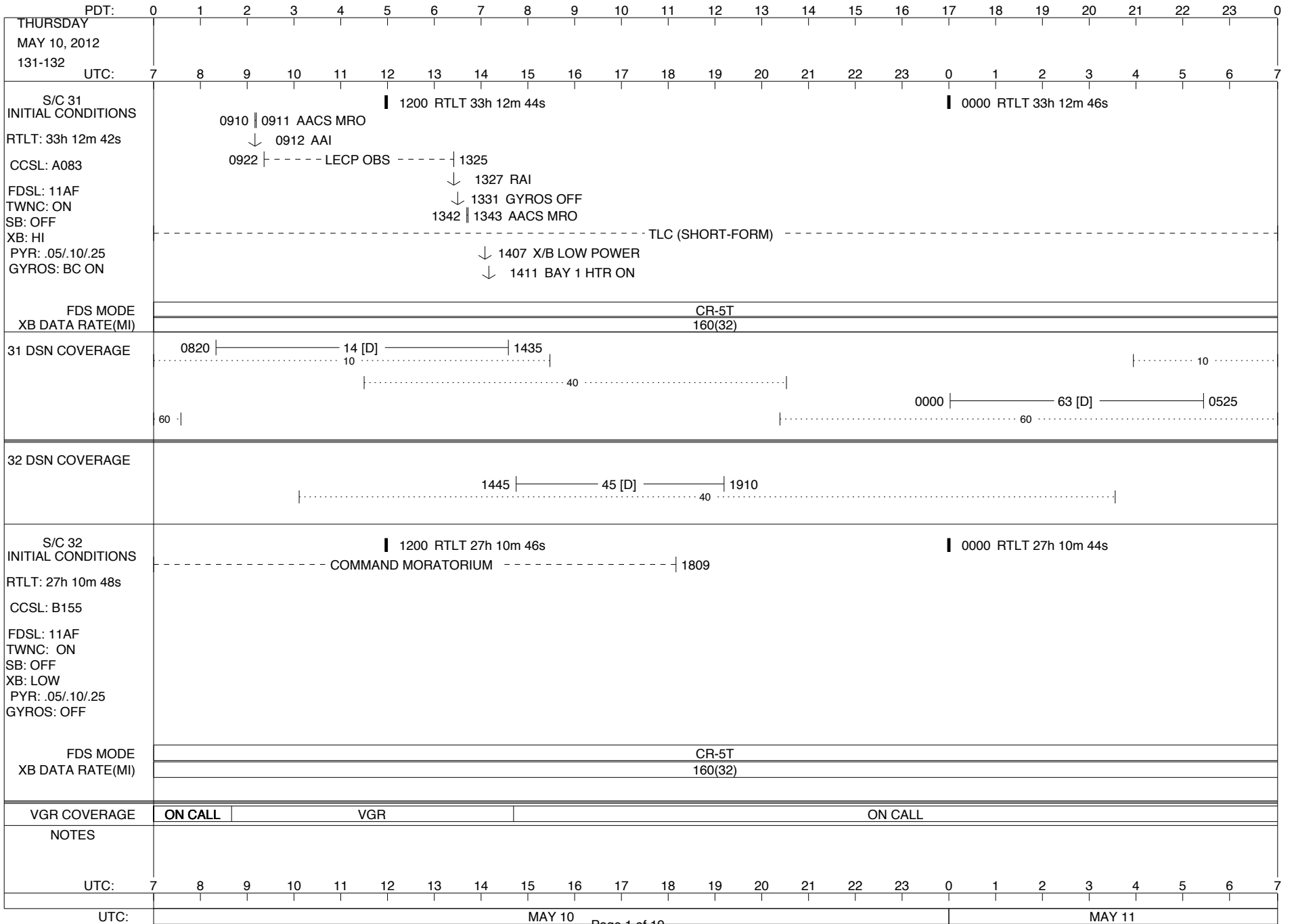
- \* KMassej@jgld.gdscc.nasa.gov
- \* Belinda.Arroyo@jpl.nasa.gov
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**LEGEND:**

- ▽ = 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

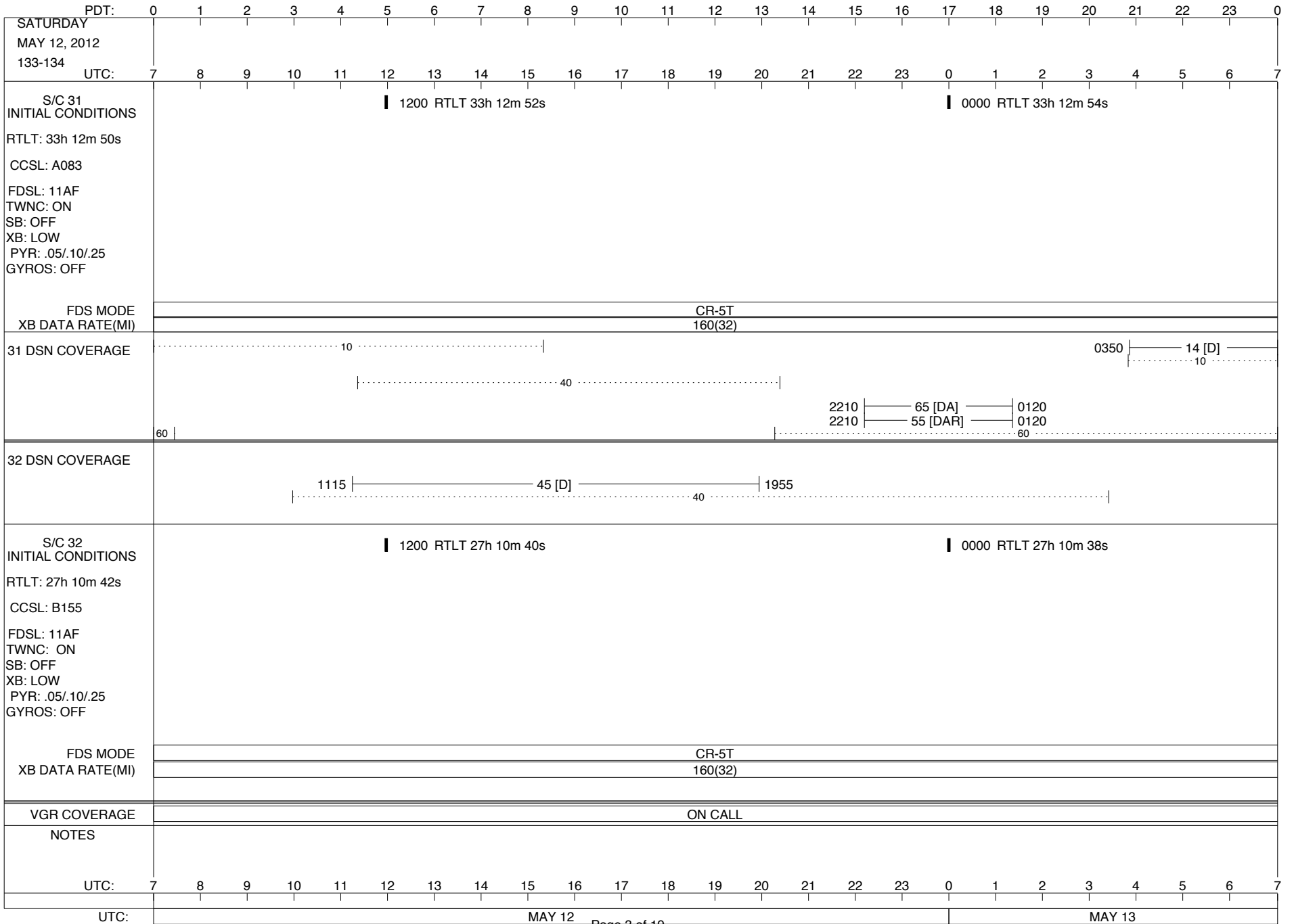
\*Electronic Copy Only  
(16 – Dist/N: Paper Copies)  
09/08/10

ISSUE DATE: 05/15/12 15:55



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S/C 31 INITIAL CONDITIONS RTLTL: 33h 12m 46s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 33h 12m 48s												0000 RTLTL 33h 12m 50s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	0920  -----  14 [D]  -----  1320  -----  10  -----   -----  40  -----												-----  10  -----   -----  60  -----  0200 - 0625  -----  63 [D]  -----   -----  60  -----												
32 DSN COVERAGE	1310  -----  45 [D]  -----  1710  -----  40  -----												2225  -----  43 [D]  -----  0210  -----  40  -----												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 10m 44s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 27h 10m 44s												0000 RTLTL 27h 10m 42s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 2142 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 11												MAY 12												

ISSUE DATE: 05/15/12 15:55



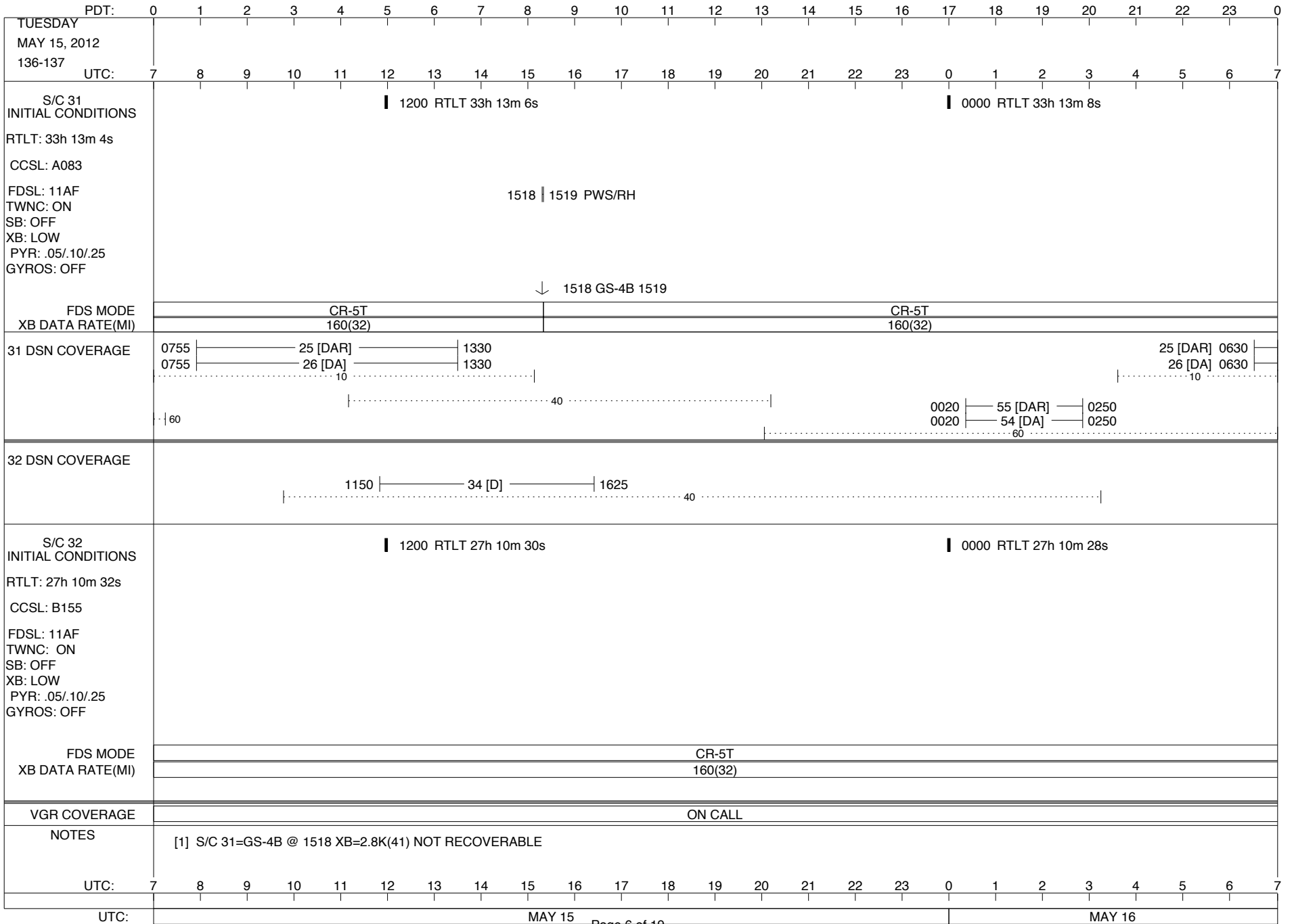
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S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 54s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 12m 56s												0000 RTLT 33h 12m 58s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] 1040 .....   .....40.....												0345 14 [D] 0545 .....   .....10.....												
	60												2210 63 [D] 0345 .....   .....60.....												
32 DSN COVERAGE	1145 34 [D] 1420 1400 45 [D] 1735  .....40.....												2200 45 [D] 0205  .....												
S/C 32 INITIAL CONDITIONS RTLT: 27h 10m 38s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 10m 36s												0000 RTLT 27h 10m 34s												
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=EL-40 XB=40(32) @ 0146 [2] S/C 31=CR-5T XB=160(32) @ 0210																								
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 13												MAY 14												

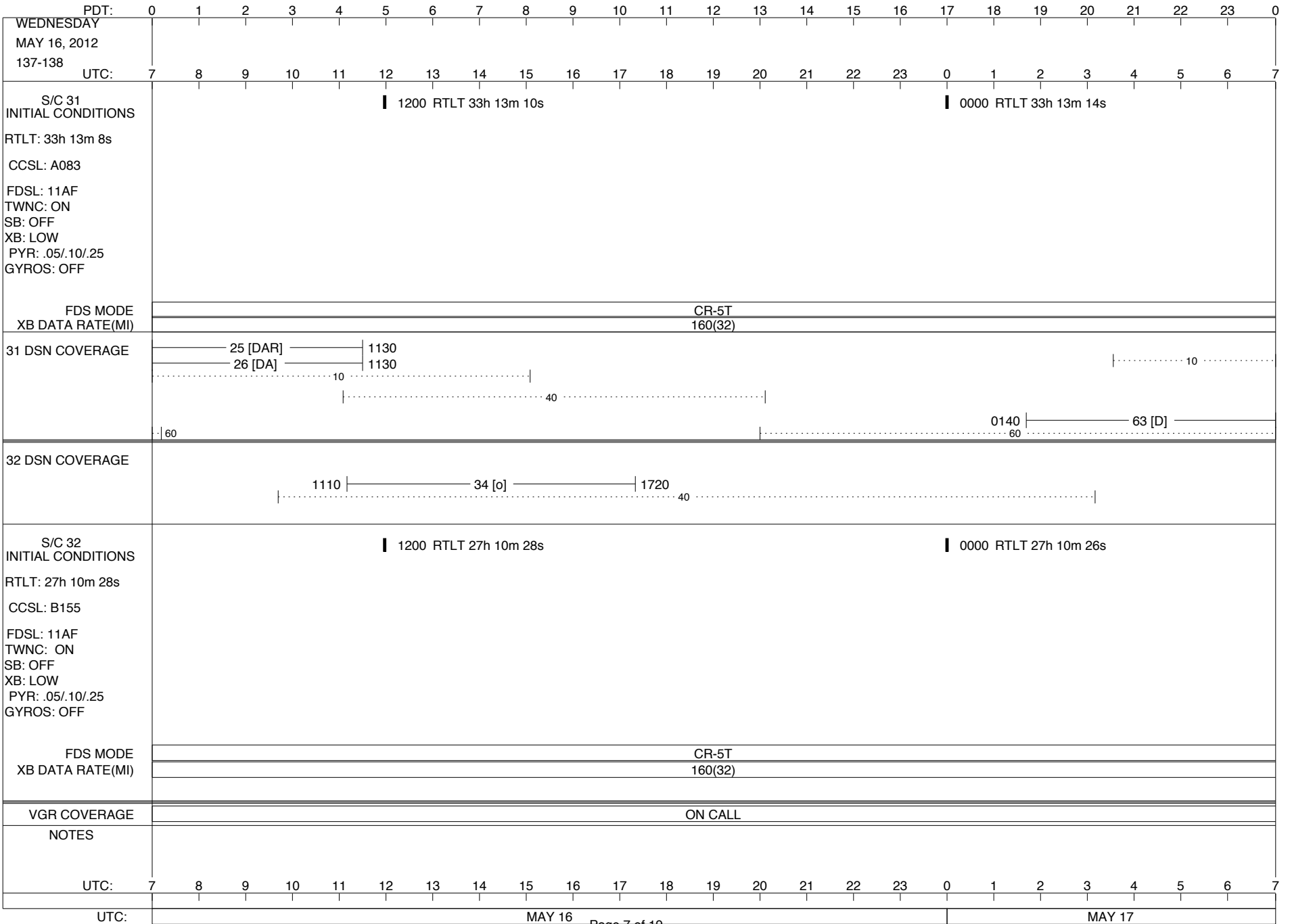
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MONDAY MAY 14, 2012 135-136																									
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S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 58s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 13m 0s												0000 RTLT 33h 13m 4s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	.....  10 .....												.....  40 .....												
	.....  60												.....  60												
32 DSN COVERAGE	.....  1105  -----  34 [D]  -----  1715												.....  40 .....												
S/C 32 INITIAL CONDITIONS RTLT: 27h 10m 34s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 10m 34s												0000 RTLT 27h 10m 32s												
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 14												MAY 15												

ISSUE DATE: 05/15/12 15:55

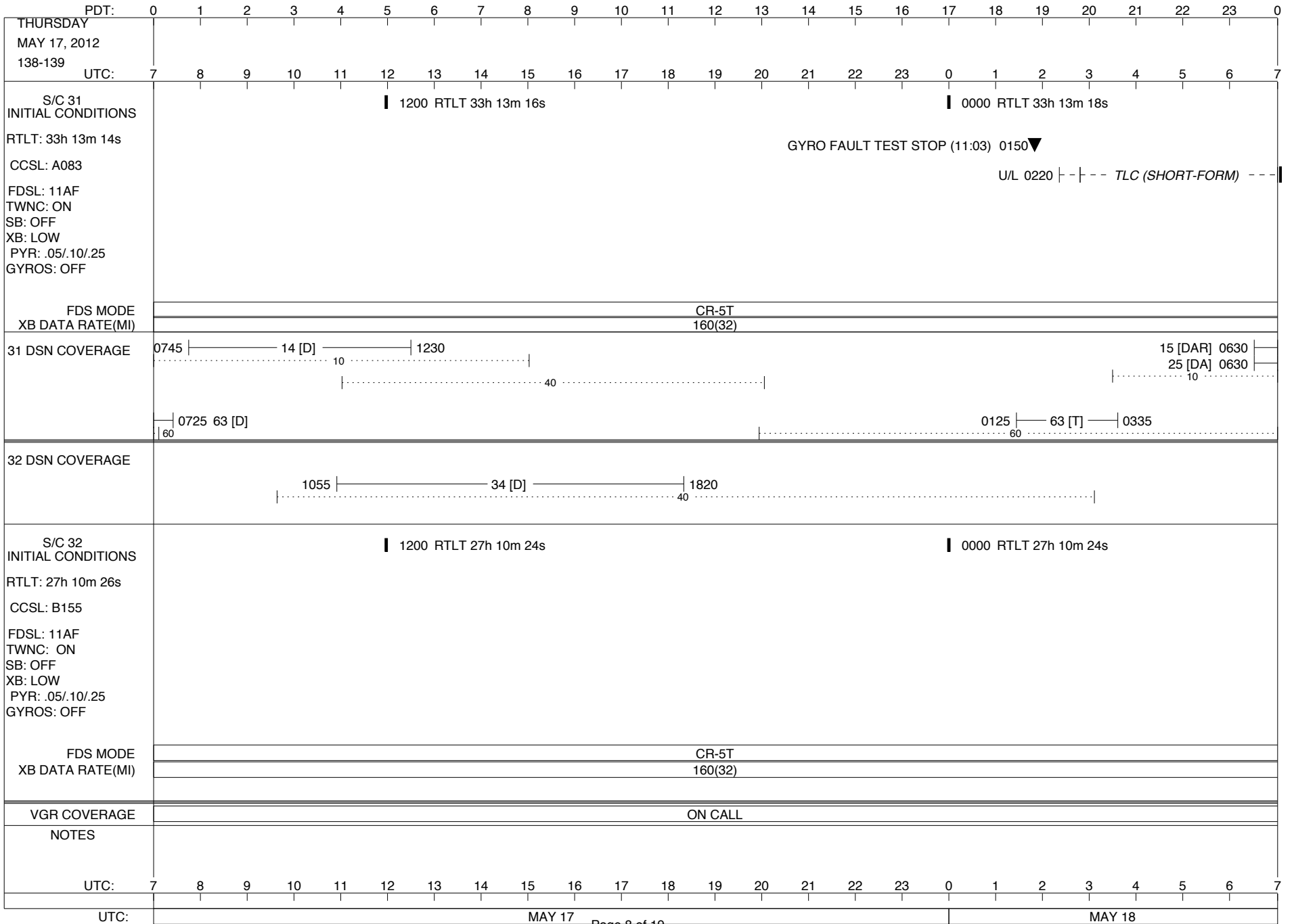


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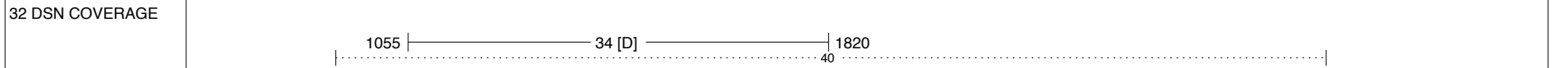
1200 RTLT 33h 13m 16s

0000 RTLT 33h 13m 18s

GYRO FAULT TEST STOP (11:03) 0150▼

U/L 0220 | - | - - TLC (SHORT-FORM) - - - |

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



**S/C 32 INITIAL CONDITIONS**  
RTLT: 27h 10m 26s  
CCSL: B155  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

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

**VGR COVERAGE**  
ON CALL

**NOTES**

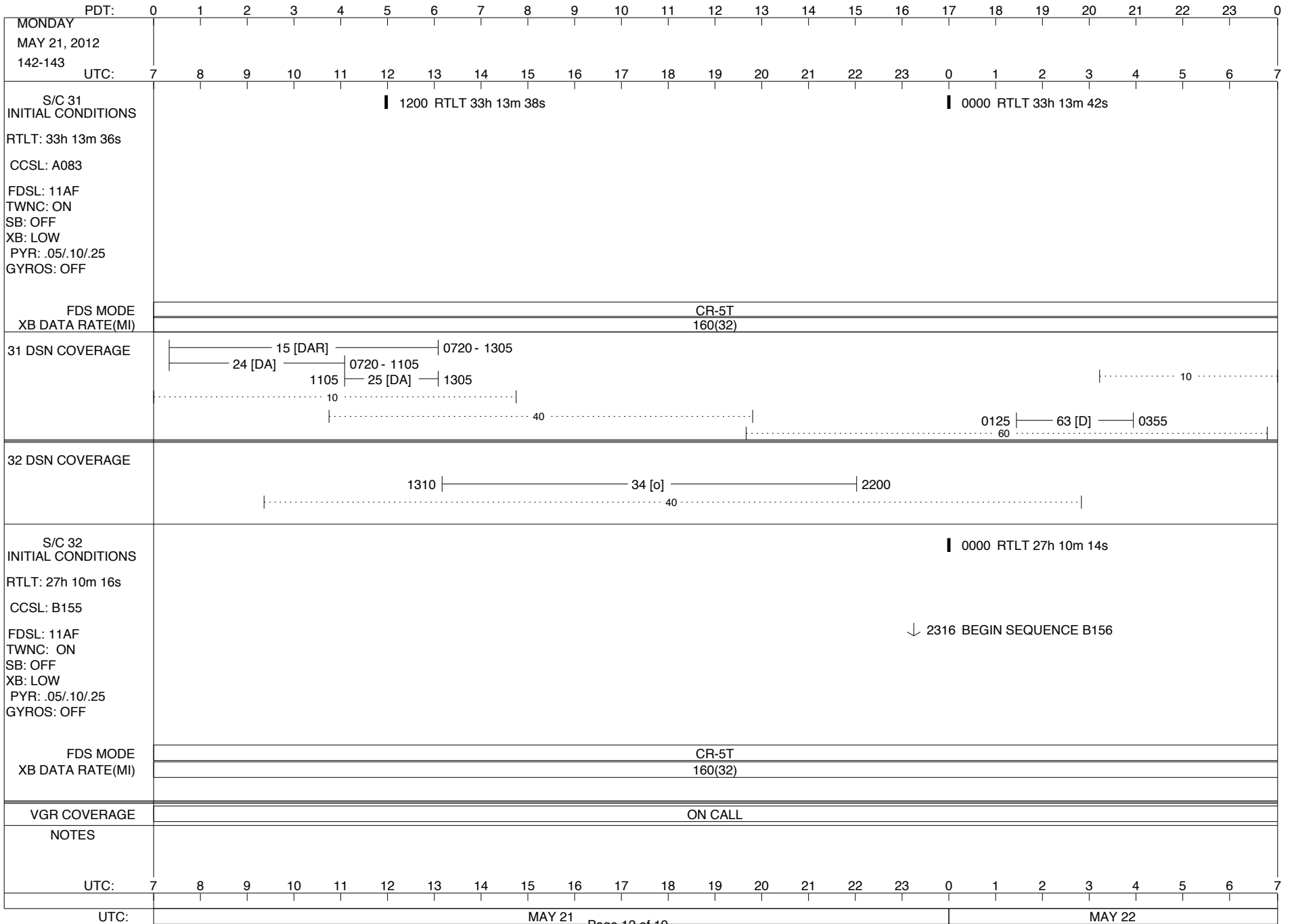
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UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLTL: 33h 13m 18s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 33h 13m 22s												0000 RTLTL 33h 13m 24s															
----- TLC (SHORT-FORM) -----																												
												1816   TAPPOS   1941																
												2118   2119 PWS/RH 2326   TAPPOS -   0104																
												↓ 2118 GS-4B 2119																
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	15 [DAR] ————— 1030 25 [DA] ————— 1030 .....  ..... 10 ..... .....  ..... 40 ..... .....  ..... 60 .....																											
32 DSN COVERAGE	1100  ————— 34 [D] —————  1845 .....  ..... 40 .....																											
S/C 32 INITIAL CONDITIONS RTLTL: 27h 10m 24s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 27h 10m 22s												0000 RTLTL 27h 10m 20s															
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 @ 2118 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 18														MAY 19													

ISSUE DATE: 05/15/12 15:55

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 19, 2012 140-141	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 13m 24s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 33h 13m 26s												0000 RTLTL 33h 13m 30s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	----- 14 [D] -----  0705 - 1145										----- 14 [D] -----  0405															
	----- 40 -----										----- 60 -----															
											0215   55 [DA]   0400 0215   54 [DAR]   0400															
32 DSN COVERAGE	----- 45 [D] -----  1110  ----- 40 -----  1600																									
S/C 32 INITIAL CONDITIONS RTLTL: 27h 10m 20s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 27h 10m 20s												0000 RTLTL 27h 10m 18s													
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:	MAY 19													MAY 20												

ISSUE DATE: 05/15/12 15:55

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 MAY 20, 2012 141-142	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 13m 30s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 13m 32s												0000 RTLT 33h 13m 36s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	0715 14 [D]   .....    ..... 40 .....    ..... 10 .....												..... 10 .....  0130   ..... 63 [D] .....  0545 .....  60															
32 DSN COVERAGE	..... 1145   ..... 34 [D] .....  1605 .....  40																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 10m 18s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 10m 18s												0000 RTLT 27h 10m 16s															
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:	MAY 20														MAY 21													



ISSUE DATE: 05/15/12 15:55

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 22, 2012 143-144	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 13m 42s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 13m 44s												0000 RTLTL 33h 13m 48s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0820   25 [DAR]   1110 0820   26 [DA]   1110												0525   14 [D]												
32 DSN COVERAGE	0830   43 [D]   1325 1420   34 [D]   1920												0305   63 [D]   0545												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 10m 14s CCSL: B156 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 10m 12s												0000 RTLTL 27h 10m 12s												
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 @ 1455 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 22												MAY 23												

ISSUE DATE: 05/15/12 15:55

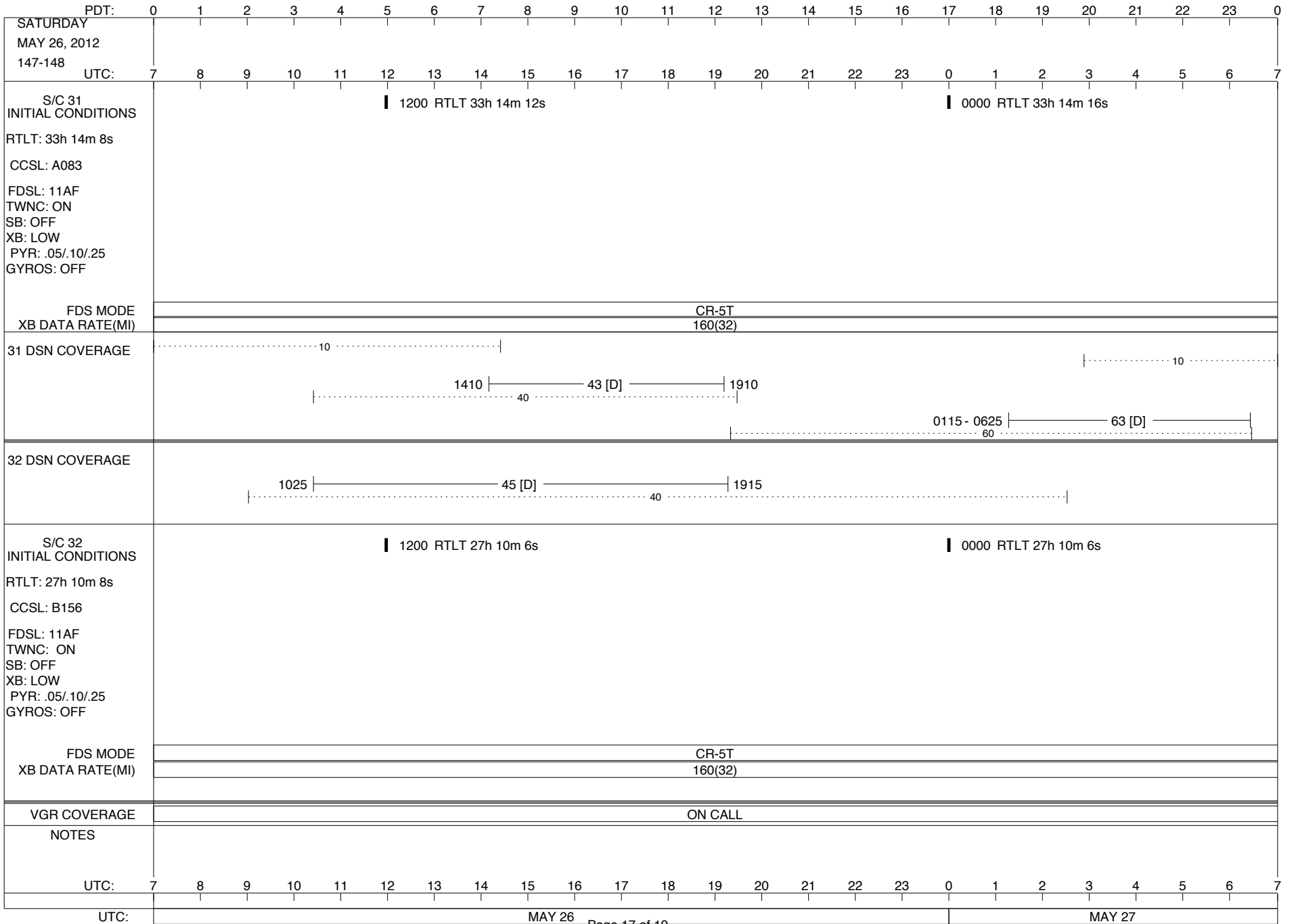
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S/C 31 INITIAL CONDITIONS RTLT: 33h 13m 48s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 33h 13m 52s															█ 0000 RTLT 33h 13m 54s				
FDS MODE XB DATA RATE(MI)																									
31 DSN COVERAGE																									
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 27h 10m 12s CCSL: B156 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF						█ 1200 RTLT 27h 10m 12s																█ 0000 RTLT 27h 10m 10s			
FDS MODE XB DATA RATE(MI)																									
VGR COVERAGE																									
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:																									

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
THURSDAY MAY 24, 2012 145-146	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 13m 54s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 33h 13m 58s												0000 RTLTL 33h 14m 2s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1030  ----- 14 [T] -----  1305  ----- 10 -----   ----- 40 -----												----- 60 -----   ----- 10 -----												
32 DSN COVERAGE	----- 1415 -----  34 [D] -----  1955  ----- 40 -----																								
S/C 32 INITIAL CONDITIONS RTLTL: 27h 10m 10s CCSL: B156 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 27h 10m 10s												0000 RTLTL 27h 10m 8s												
FDS MODE XB DATA RATE(MI)													CR-5T 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 24												MAY 25												





ISSUE DATE: 05/15/12 15:55



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 MAY 27, 2012 148-149																										
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 14m 16s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 33h 14m 20s												0000 RTLTL 33h 14m 24s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	0820  ----- 14 [D] -----  1210  ----- 10 -----   ----- 40 -----												----- 10 -----   ----- 60 -----													
32 DSN COVERAGE	----- 1220 -----  45 [D] -----  2235  ----- 40 -----																									
S/C 32 INITIAL CONDITIONS RTLTL: 27h 10m 6s CCSL: B156 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 27h 10m 6s												0000 RTLTL 27h 10m 4s													
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:	MAY 27													MAY 28												

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 28, 2012 149-150																											
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S/C 31 INITIAL CONDITIONS RTLT: 33h 14m 24s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 33h 14m 28s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 10m 4s CCSL: B156 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 27h 10m 4s</p>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	ON CALL																										
NOTES	<p><b>JPL HOLIDAY!</b></p>																										
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 28													MAY 29													