

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: April 25, 2012

For the Period: 04/26/12 to 05/14/12 (12-117 – 12-135)

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

**SCIENCE**

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

**DSOT (1) 230-102**

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 Ludwig, R. (2)  
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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

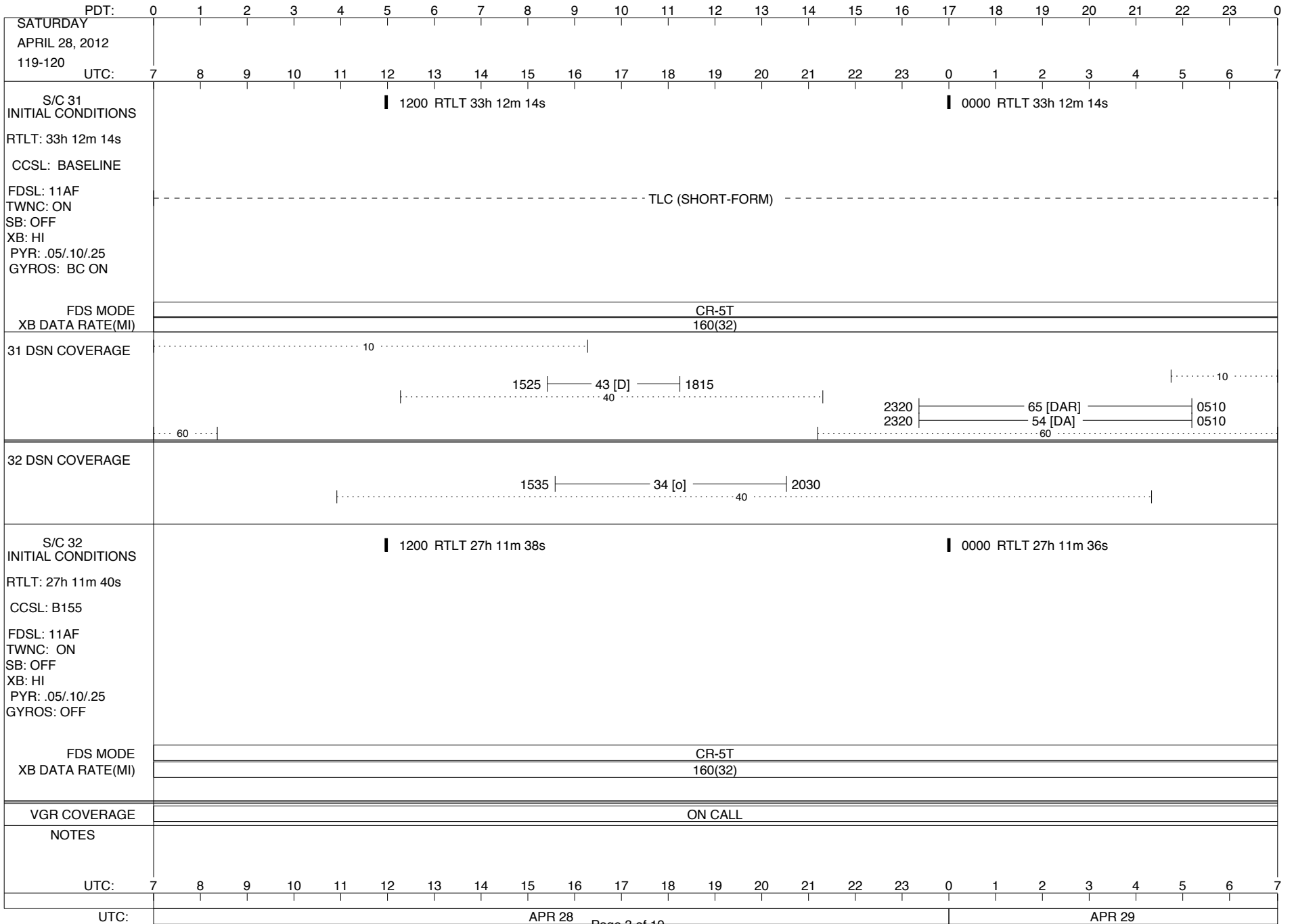
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S/C 31 INITIAL CONDITIONS RTLTL: 33h 12m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 12m 12s												0000 RTLTL 33h 12m 12s												
↓ 0707 YAW=.05	PLAYBACK -----   0716 - 1351												TAPPOS 0539    0542 GYROS BC ON 0600 ↓ GYRO INIT 0601 ↓ GYRO FAULT TEST 0611 ↓ CCSTIMB 0700												
↓ 0716	↓ 1351																								
FDS MODE	PB-14												CR-5T												
XB DATA RATE(MI)	1.4K(39)												160(32)												
31 DSN COVERAGE	14 [DAR] -----   0700 - 1410												0455  ----- 14 [D] -----												
	15 [DA] -----   0700 - 1350												----- 10 -----												
	25 [DA] -----   0700 - 1350																								
	----- 10 -----																								
	----- 60 -----												----- 40 -----												
													0155  ----- 63 [D] -----   0355												
													----- 60 -----												
32 DSN COVERAGE	1215  ----- 45 [D] -----   1615												----- 40 -----												
S/C 32 INITIAL CONDITIONS RTLTL: 27h 11m 50s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 27h 11m 48s												0000 RTLTL 27h 11m 44s												
-----	COMMAND MORATORIUM -----   0700 - 1917																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ONVGRLL												ON CALL												VGR
NOTES	[1] S/C 31=PB-14 XB=1.4K(39) @ 0716 [2] S/C 31=CR-5T XB=160(32) @ 1351																								
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:	APR 26												APR 27												

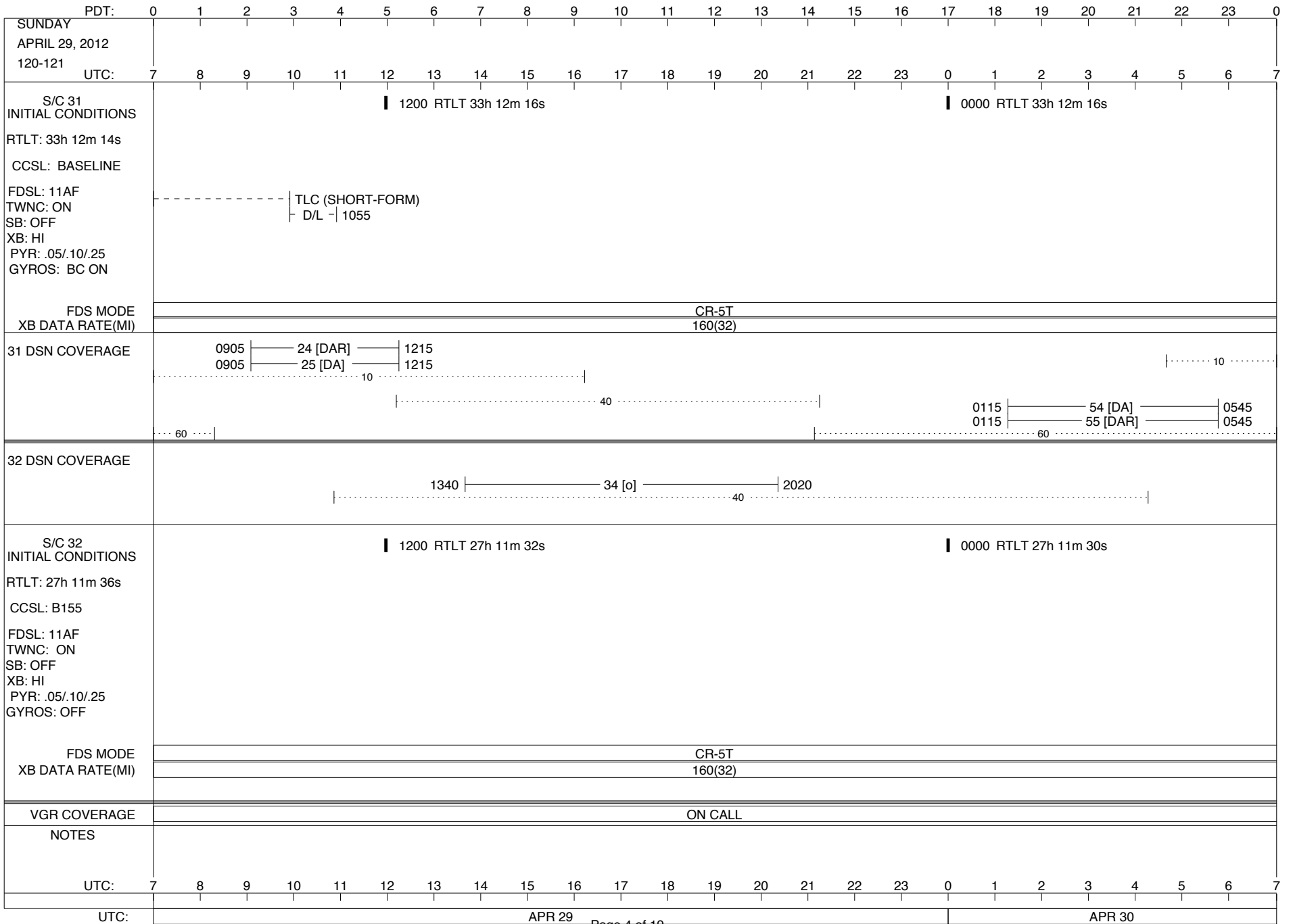
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FRIDAY APRIL 27, 2012 118-119	UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7
S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 12s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	<p>1200 RTLT 33h 12m 14s</p> <p>0000 RTLT 33h 12m 14s</p> <p>1928   1929 TAPPOS</p> <p>2230   2231 PWS/RH</p> <p>U/L 0015   -   - - - - - TLC (SHORT-FORM) - - - - -</p> <p>0038     0053 TAPPOS</p> <p>↓ 2230 GS-4B 2231</p> <p>FDS MODE CR-5T CR-5T</p> <p>XB DATA RATE(MI) 160(32) 160(32)</p> <p>31 DSN COVERAGE 14 [D] 1345   ..... 10 .....   ..... 10 ..... ..... 10 .....   ..... 40 .....   ..... 10 ..... ..... 60 .....   ..... 2350   ..... 63 [T2] .....   0435 ..... 60 .....   ..... 60 .....  </p> <p>32 DSN COVERAGE 1525   ..... 45 [D] .....   1945 ..... 40 .....   ..... 40 .....  </p> <p>S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 44s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF</p> <p>1200 RTLT 27h 11m 42s</p> <p>0000 RTLT 27h 11m 40s</p> <p>FDS MODE CR-5T</p> <p>XB DATA RATE(MI) 160(32)</p> <p>VGR COVERAGE ON CALL</p> <p>NOTES [1] S/C 31=GS-4B @ 2230 XB=2.8K(41) NOT RECOVERABLE [2] A083 BACKUP UPLINK TRACK</p> <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</p> <p>UTC: APR 27 APR 28</p>

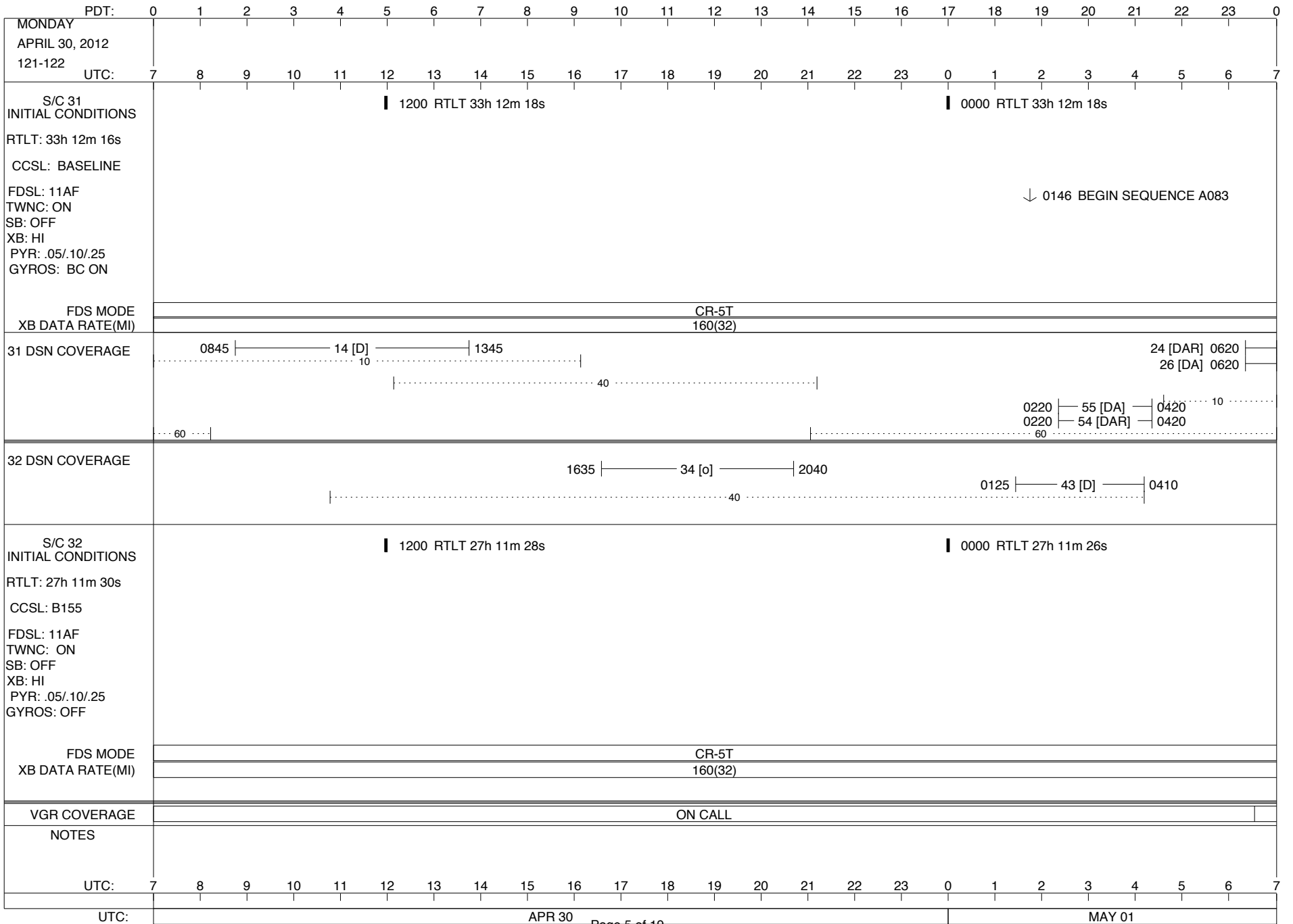
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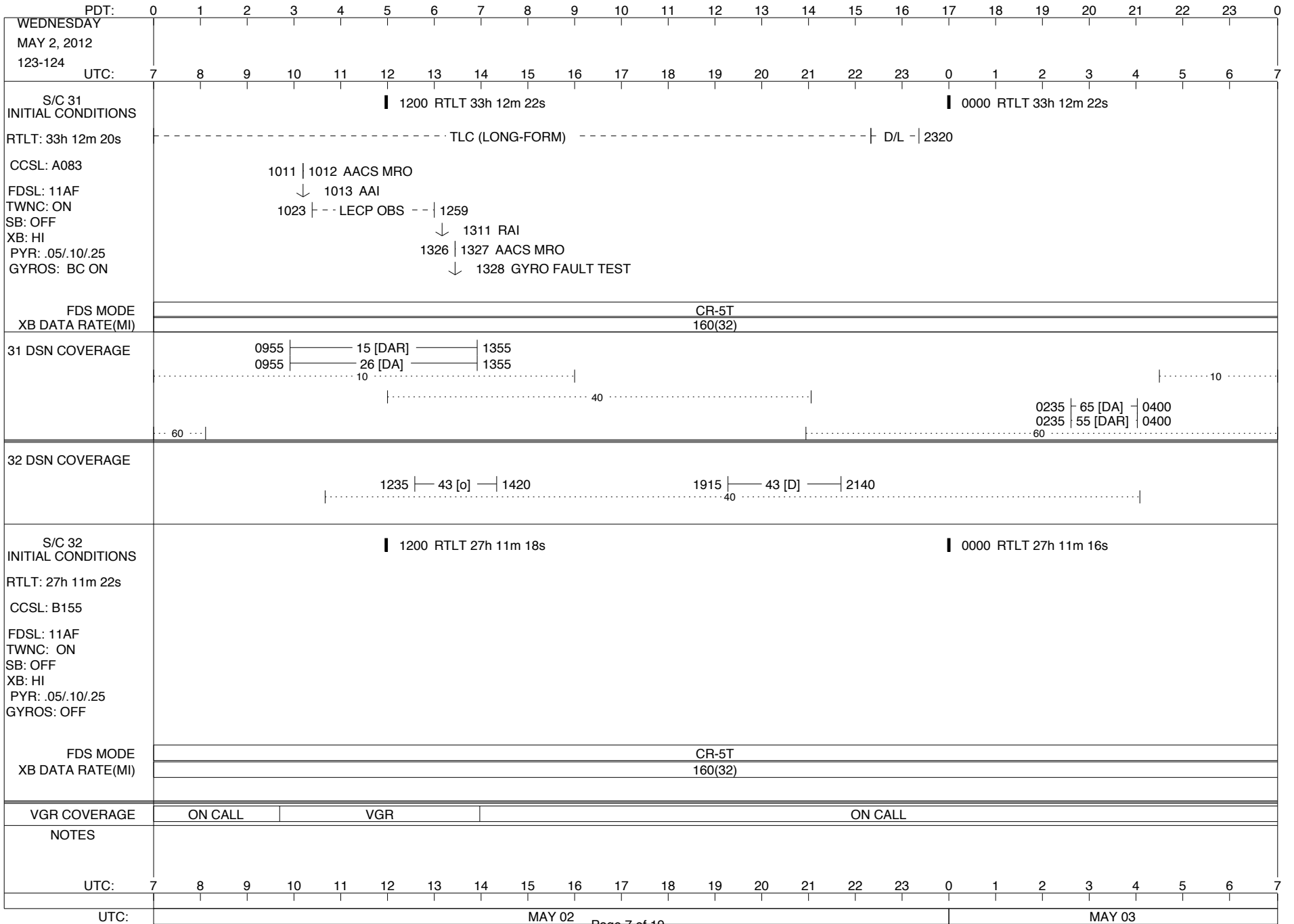
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S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 18s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 33h 12m 20s												0000 RTLT 33h 12m 20s														
↓ 0717 ALL DB=.05 ↓ 0733 AAI   0734 - 0811 ASCAL ↓ 0808 RAI ↓ 0811 CRU ↓ 0819 ROLL=25 ↓ 0821 GYRO FAULT TEST	U/L 1240   - - - - - TLC (LONG-FORM) - - - - -												▼ 1440 DUMMY (23:52) 1606   1607 PWS/RH 0146   0147 AACS MRO ↓ 0148 AAI 0158   - - - - - LECP OBS - - - - -   0551 RAI 0603 ↓ AACS MRO 0618 - 0619   GYRO FAULT TEST 0620 ↓														
↓ 0702 ↓ 0814	↓ 1606 GS-4B 1607																										
FDS MODE XB DATA RATE(MI)	EL-40 40(30)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	24 [DAR]   1100 26 [DA]   1100 1215   14 [T]   1445 10   40 60   0130 - 0655   63 [D]   60												10 60														
32 DSN COVERAGE	1710   34 [D]   2145 40																										
S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 26s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 11m 24s												0000 RTLT 27h 11m 22s														
	1716   PLSCAL -   1859 1716   - - - - - MAGCAL - - - - -   2019 1716   - - - - - PESCAL - - - - -   2036																										
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																										
VGR COVERAGE	VGR	ON CALL												VGR	ON CALL												VGR
NOTES	[1] S/C 31=EL-40 @ 0701 XB=40(30) [2] S/C 31=GS-4B @ 1606 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 01												MAY 02														

ISSUE DATE: 04/26/12 08:51





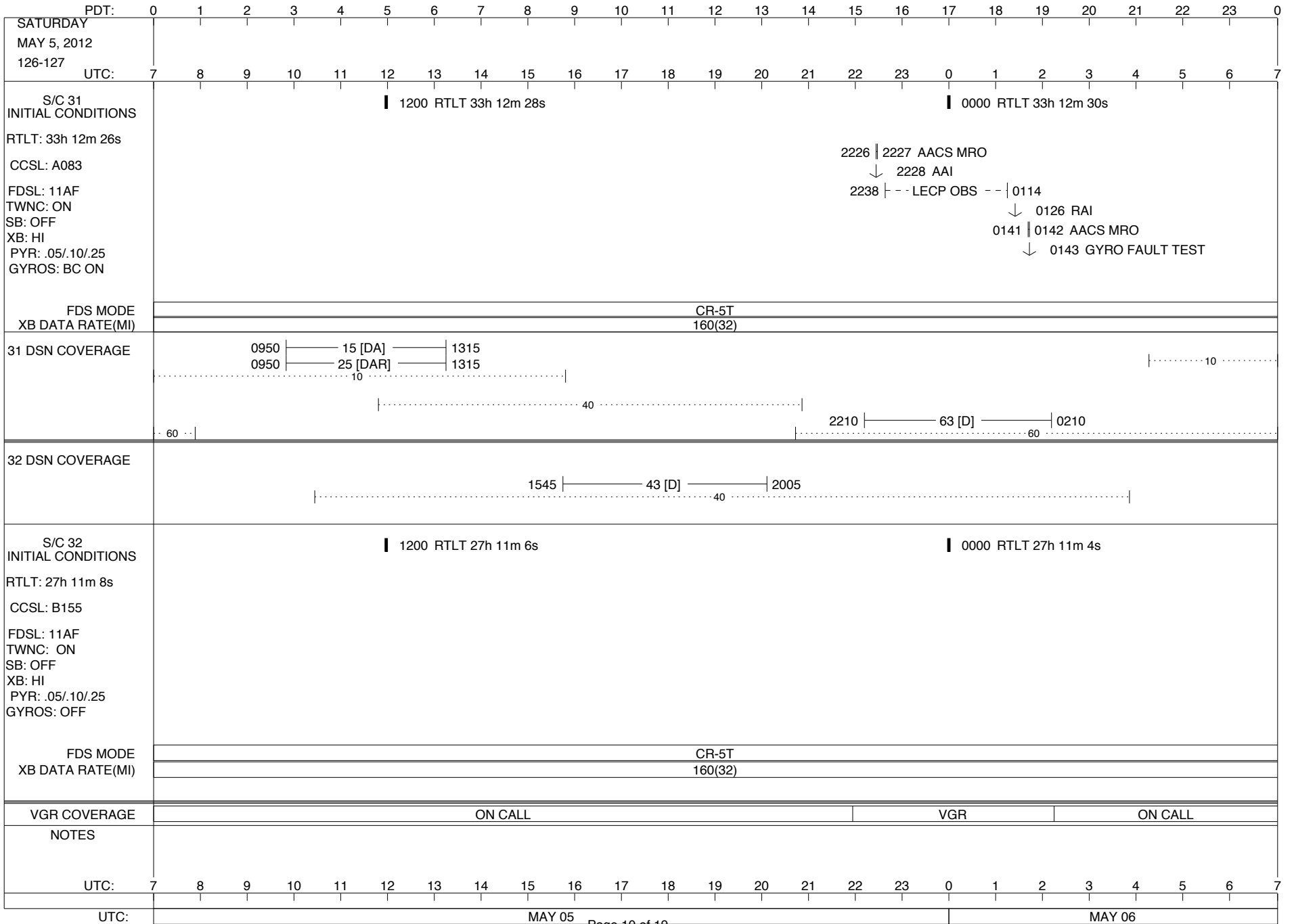
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THURSDAY MAY 3, 2012 124-125																									
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S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 22s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 33h 12m 24s												0000 RTLT 33h 12m 24s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	1035  ----- 15 [DAR] -----  1335 1035  ----- 24 [DA] -----  1335 ..... ----- 10 -----  ..... ----- 40 -----  ..... ----- 60 -----												..... ----- 10 -----  ..... ----- 14 [D] 0630 -----  ..... ----- 55 [DAR] 0320 ----- ----- 0440 ..... ----- 0320 ----- ----- 54 [DA] ----- ----- 0440 ..... ----- 60 -----												
32 DSN COVERAGE	..... ----- 1610 ----- ----- 34 [o] ----- ----- 1945 -----  ..... ----- 40 -----																								
S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 16s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 11m 14s												0000 RTLT 27h 11m 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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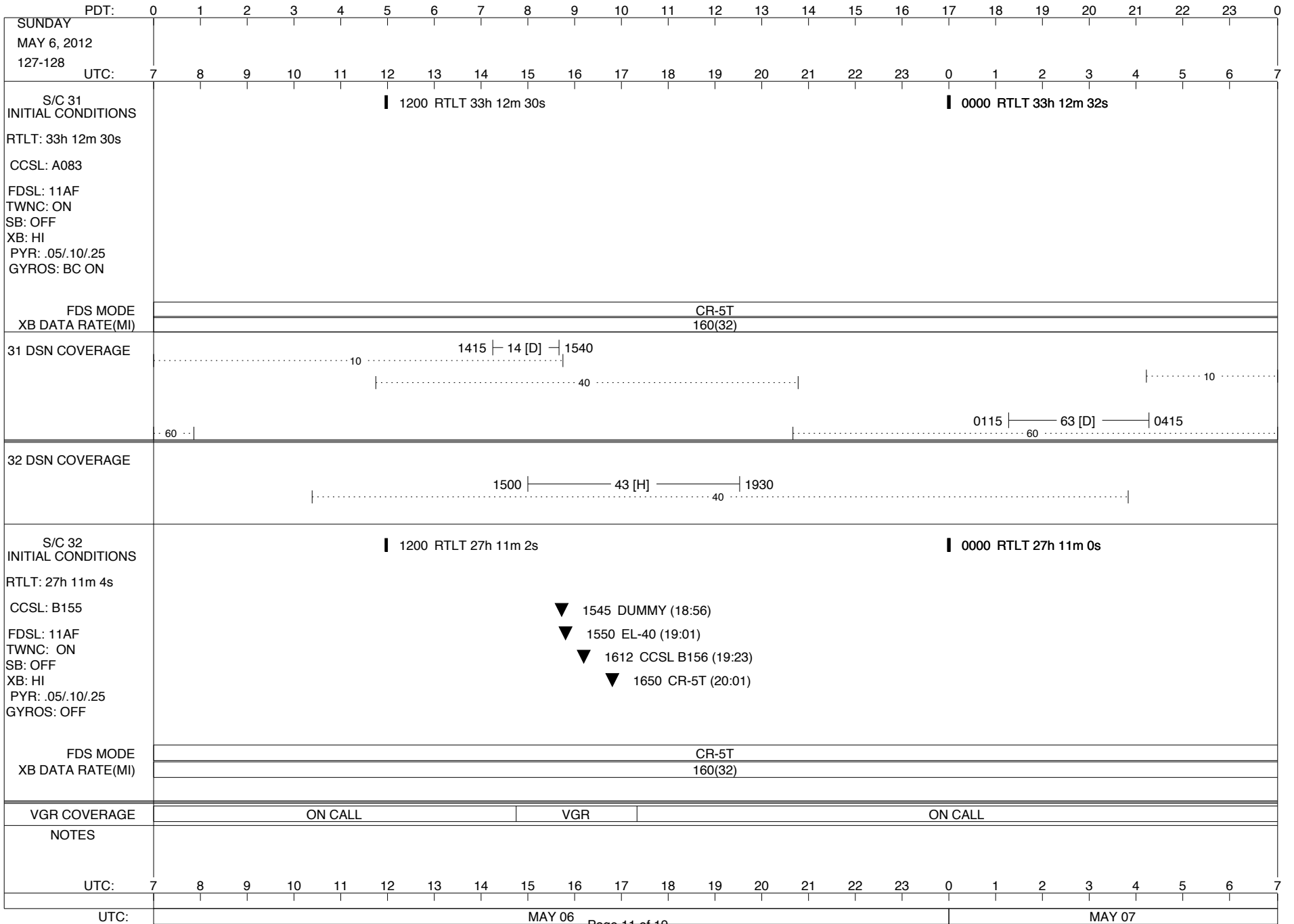
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FRIDAY MAY 4, 2012 125-126	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 24s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 33h 12m 26s												0000 RTLT 33h 12m 26s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 1355												0005 63 [D] 0305												
32 DSN COVERAGE	1735 34 [D] 2210																								
S/C 32 INITIAL CONDITIONS RTLT: 27h 11m 12s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 27h 11m 10s												0000 RTLT 27h 11m 8s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] S/C 31 D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (0714-1309) [2] S/C 31=GS-4B @ 2206 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 04												MAY 05												

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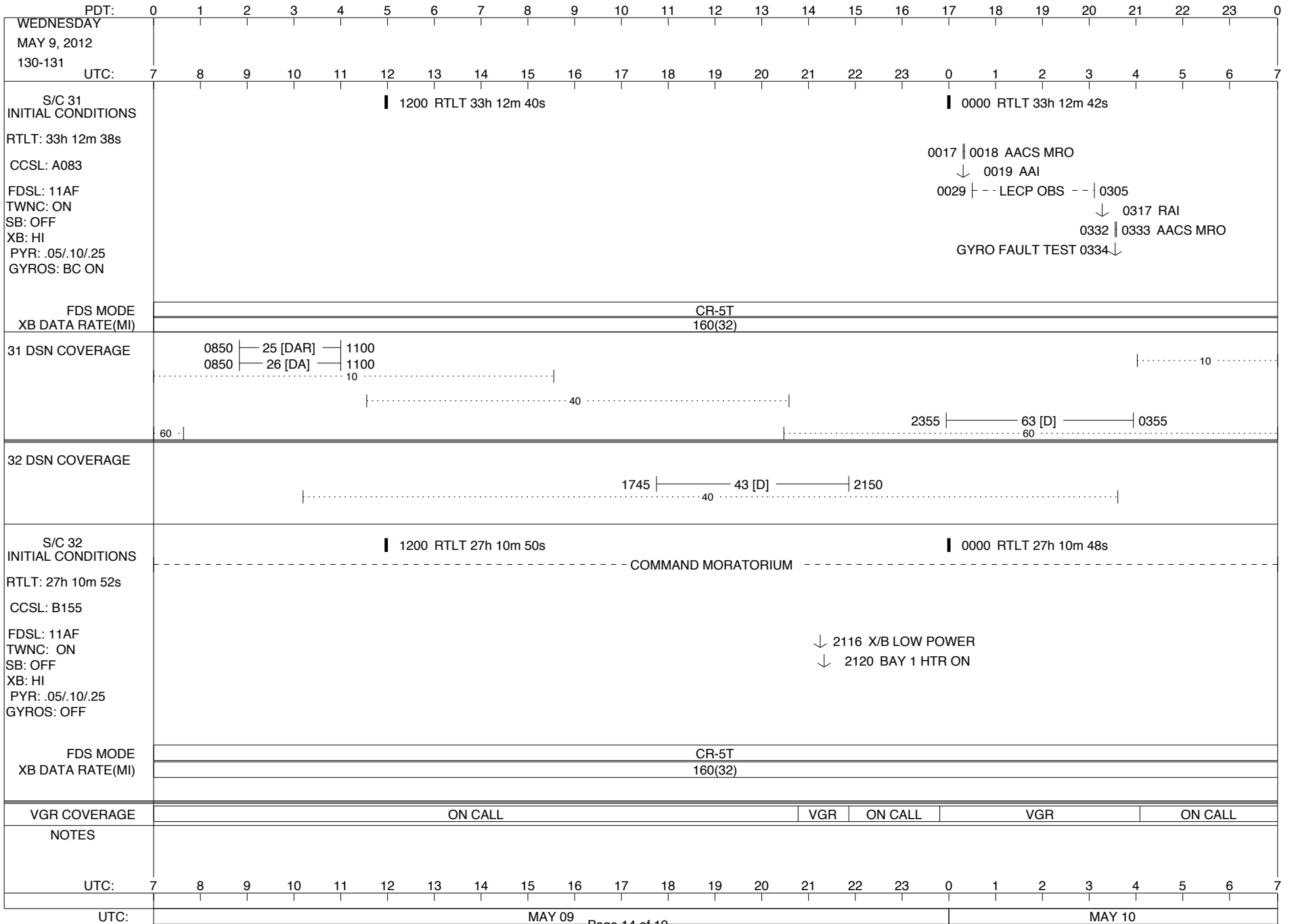


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MONDAY MAY 7, 2012 128-129	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 33h 12m 32s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 33h 12m 34s												0000 RTLT 33h 12m 36s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	1000  ----- 15 [DA] -----  1445 1000  ----- 26 [DAR] -----  1445												0415  ----- 14 [D] -----												
32 DSN COVERAGE	1235  ----- 45 [D] -----  1545 1735  ----- 34 [D] -----  2135																								
S/C 32 INITIAL CONDITIONS RTLTL: 27h 11m 0s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 10m 58s												0000 RTLT 27h 10m 56s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												EL-40 1902* ↓                  ↓                  * 40(30)                  2002 CR-5T												
VGR COVERAGE	ON CALL			VGR			ON CALL			VGR			ON CALL			VGR									
NOTES	[1] S/C 32=EL-40 XB=4-(30) @ 1902 [2] S/C 32=CR-5T XB=160(32) @ 2002																								
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 07												MAY 08												

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TUESDAY MAY 8, 2012 129-130																													
S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 36s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON		1200 RTLT 33h 12m 38s														0000 RTLT 33h 12m 38s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE		<p>14 [D]   0845</p> <p>.....10.....</p> <p>.....40.....</p> <p>.....10.....</p> <p>.....60.....</p> <p>.....2240.....63 [D].....0335</p> <p>.....60.....</p>																											
32 DSN COVERAGE		<p>.....1525.....43 [H,2,o].....2135</p> <p>.....40.....</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 27h 10m 56s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: OFF		1200 RTLT 27h 10m 54s														0000 RTLT 27h 10m 52s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																											
VGR COVERAGE		VGR														ON CALL													
NOTES		<p>[1] S/C 31=GS-4B @ 1542 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] B156 BACKUP UPLINK TRACK</p>																											
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ISSUE DATE: 04/26/12 08:51

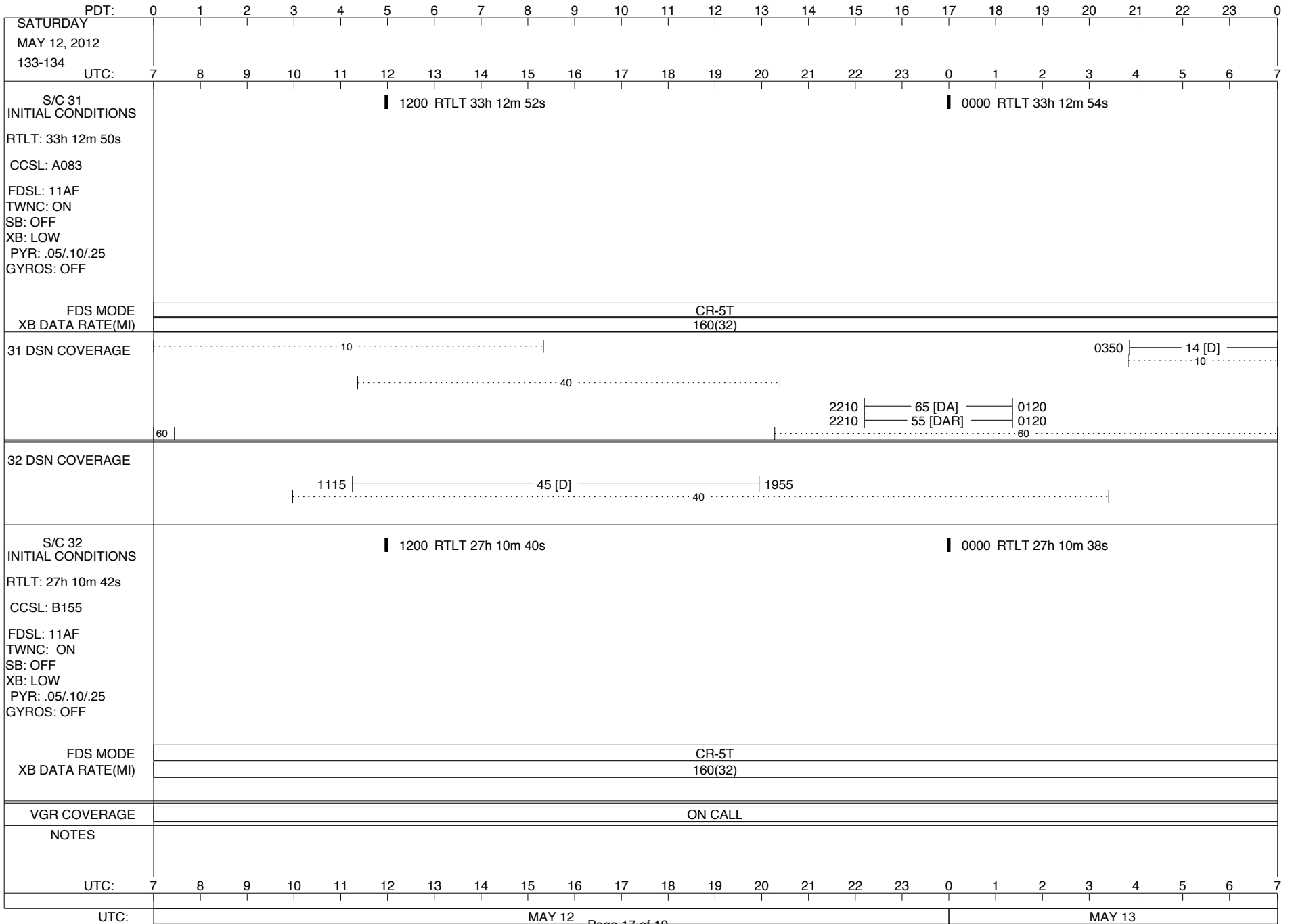
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S/C 31 INITIAL CONDITIONS RTLT: 33h 12m 42s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/10/25 GYROS: BC ON	1200 RTLT 33h 12m 44s 0910   0911 AACS MRO ↓ 0912 AAI 0922  ----- LECP OBS -----  1325 ↓ 1327 RAI ↓ 1331 GYROS OFF 1342   1343 AACS MRO ↓ 1407 X/B LOW POWER ↓ 1411 BAY 1 HTR ON												0000 RTLT 33h 12m 46s														
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)														
31 DSN COVERAGE	0820  ----- 14 [D] -----  1435 ..... ----- 10 -----   ----- 40 -----  ..... ----- 10 -----												..... ----- 60 -----														
32 DSN COVERAGE	..... ----- 1445 -----  45 [D] -----  1910 ..... ----- 40 -----																										
S/C 32 INITIAL CONDITIONS RTLT: 27h 10m 48s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 10m 46s ----- COMMAND MORATORIUM -----  1809												0000 RTLT 27h 10m 44s														
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 10														MAY 11												



ISSUE DATE: 04/26/12 08:51

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FRIDAY MAY 11, 2012 132-133																										
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: 33h 12m 46s CCSL: A083 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 33h 12m 48s												0000 RTLT 33h 12m 50s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0920  -----  14 [D]  -----  1320												-----  10													
	-----  40												0200 - 0625  -----  63 [D]  -----													
	60												60													
32 DSN COVERAGE	1310  -----  45 [D]  -----  1710												-----  40													
S/C 32 INITIAL CONDITIONS RTLT: 27h 10m 44s CCSL: B155 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 27h 10m 44s												0000 RTLT 27h 10m 42s													
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 @ 2142 XB=2.8K(41) NOT RECOVERABLE																									
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UTC:	MAY 11												MAY 12													

ISSUE DATE: 04/26/12 08:51





ISSUE DATE: 04/26/12 08:51

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FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>.....  10 ..... </p> <p>           ..... 40 ..... </p> <p>..... 60</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>1105  ----- 34 [D] -----  1715</p> </div>																										
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	<div style="text-align: center;"> <p>1200 RTLT 27h 10m 34s</p> </div>																										
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 14													MAY 15													