

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: May 20, 2009

For the Period: 05/21/09 to 06/15/09 (09-141-09-166)

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

**SCIENCE**

**FLIGHT TEAM (15) 600-100**

**DSOT (1) 230-102**

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 Ludwig, R. (2)  
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 Matsumoto, S.  
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 Peralta, F.  
 Poynter, R.  
 Weeks, T.  
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 Zottarelli, L.

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 \* Belinda.Arroyo@jpl.nasa.gov  
 \* DSN-MPSETA@jjpl.jpl.nasa.gov

**LEGEND:**

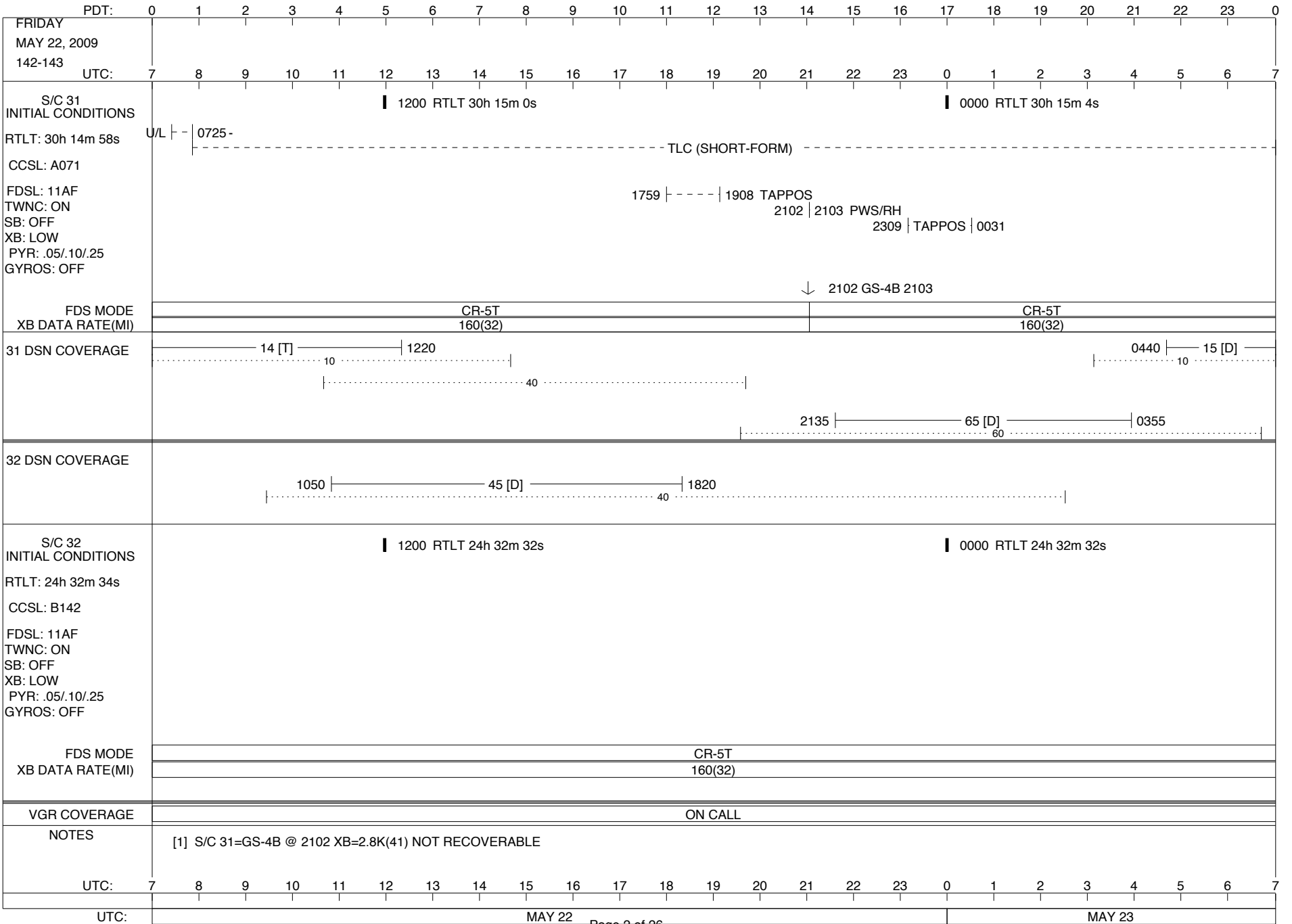
∇ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = 7-Point BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna  
 T = TLC Uplink  
 U = Uplink only pass  
 [o] = Ramp-through

\*Electronic Copy Only  
 (17 – Dist/N: Paper Copies)  
 04/02/09

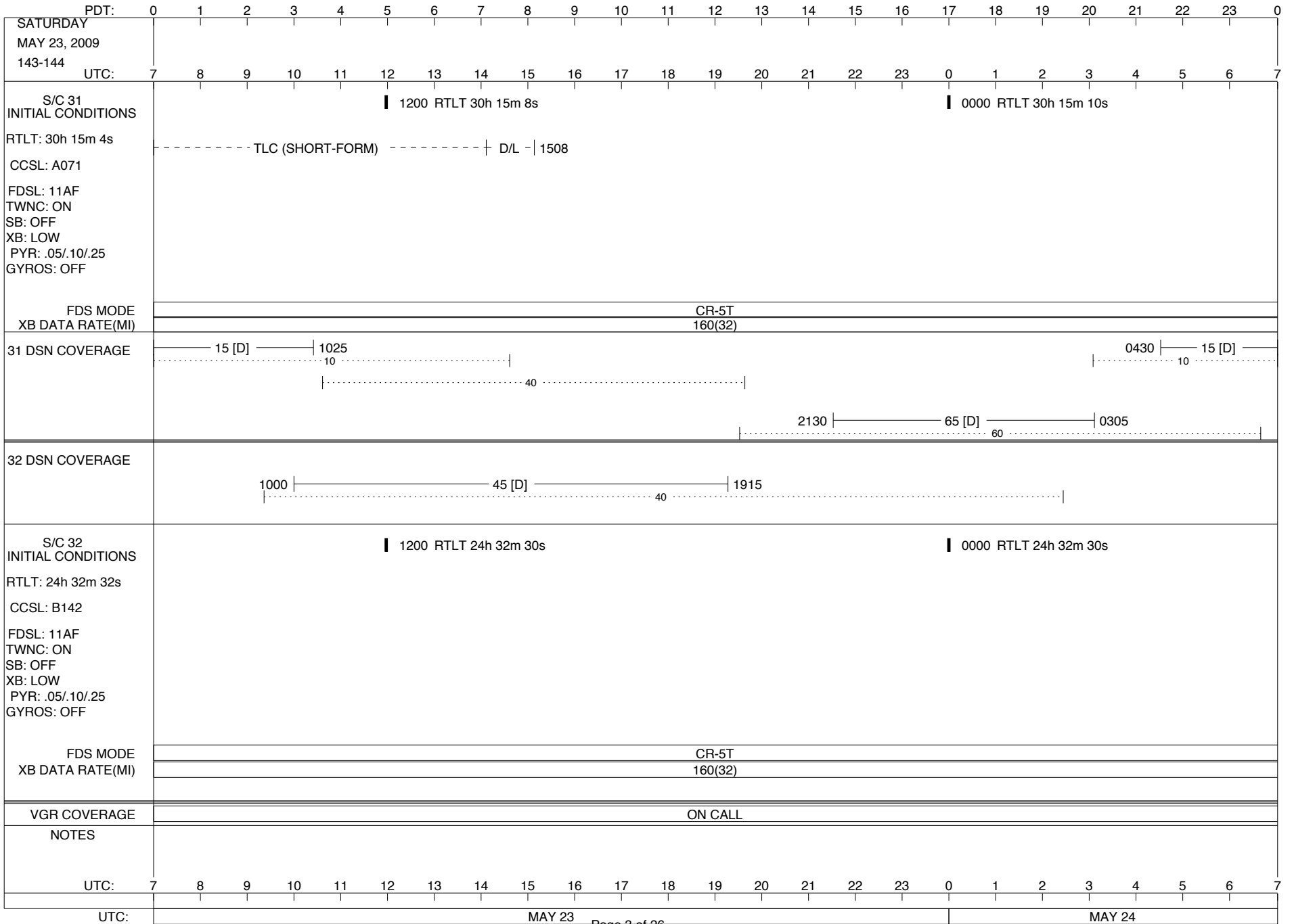
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THURSDAY MAY 21, 2009 141-142																									
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S/C 31 INITIAL CONDITIONS RTLT: 30h 14m 52s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 14m 54s												0000 RTLT 30h 14m 58s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	15 [D]   1220										14 [T] 0630														
	10										10														
	40										60														
											2140   65 [D]   0300														
32 DSN COVERAGE	1115   43 [H,B]   1825																								
	40																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 32m 36s CCSL: B142 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 32m 34s												0000 RTLT 24h 32m 34s												
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 21												MAY 22												

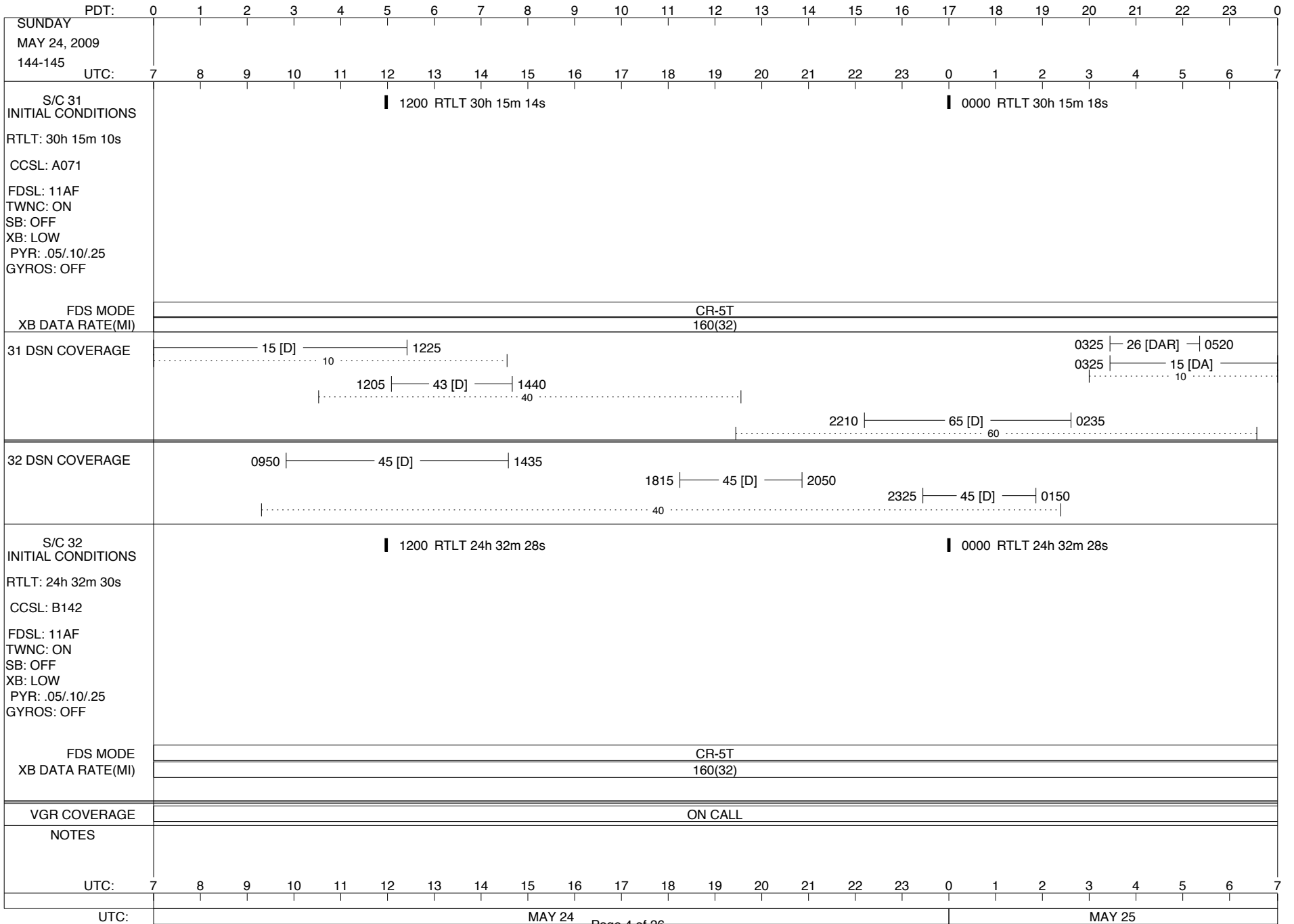
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MONDAY MAY 25, 2009 145-146																									
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S/C 31 INITIAL CONDITIONS RTLT: 30h 15m 18s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 30h 15m 22s												0000 RTLT 30h 15m 26s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	15 [DA]   1035										0235   14 [D]   10														
	40										60														
32 DSN COVERAGE	1015   45 [D]   1350										1330   43 [D]   1715														
	40																								
S/C 32 INITIAL CONDITIONS RTLT: 24h 32m 28s CCSL: B142 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 24h 32m 26s												0000 RTLT 24h 32m 26s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	<b>JPL HOLIDAY!</b>																								
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 25												MAY 26												

ISSUE DATE: 05/20/09 20:07

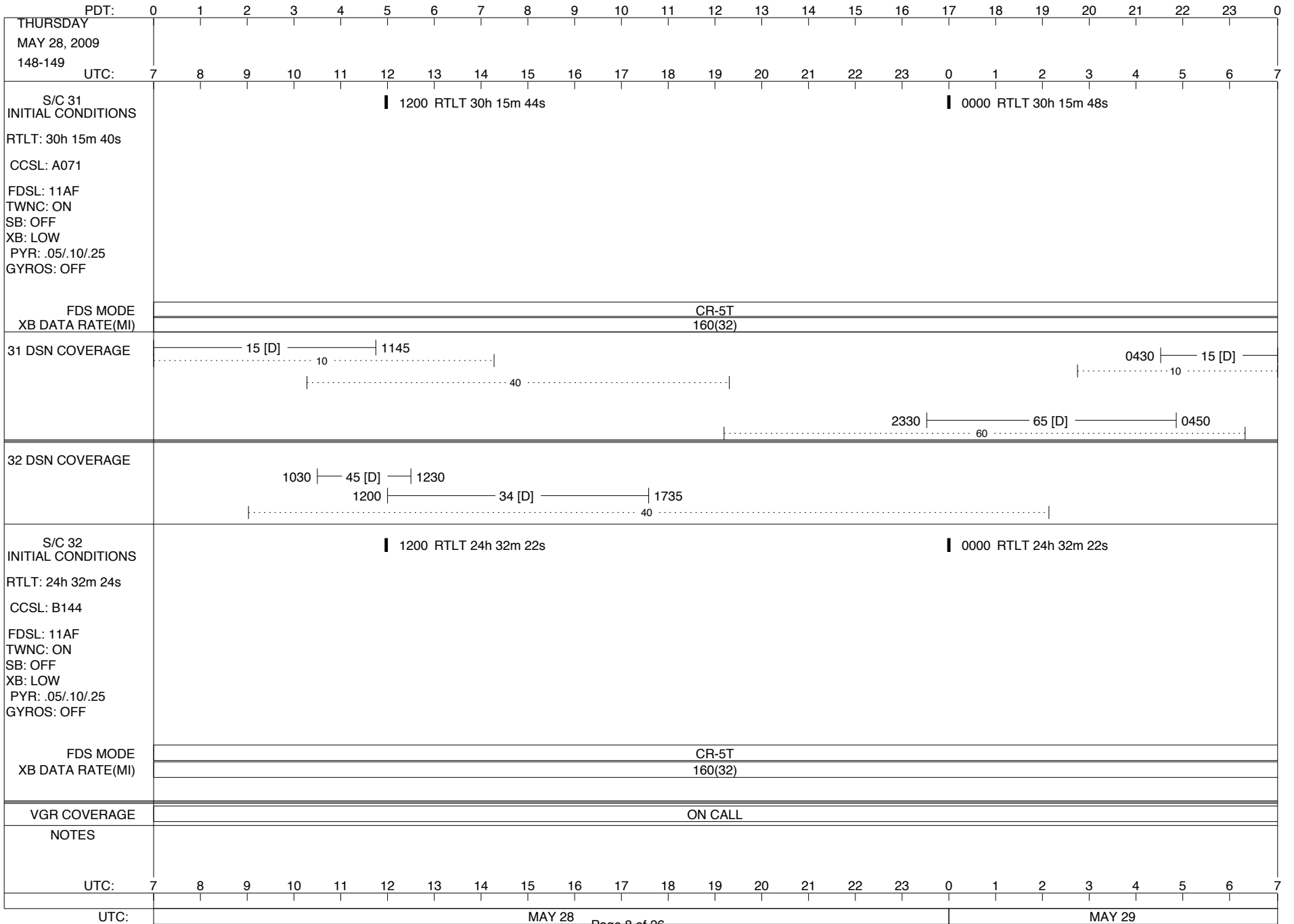
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TUESDAY MAY 26, 2009 146-147																												
S/C 31 INITIAL CONDITIONS RTLTL: 30h 15m 26s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 15m 28s												0000 RTLT 30h 15m 32s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	<p>14 [D]   0805   0505   14 [D]</p> <p>0745   15 [D]   1020   10</p> <p>1110   43   1455   40</p> <p>2115   65 [D]   0240   60</p>																											
32 DSN COVERAGE	<p>1130   45 [D]   1445   40</p> <p>1830   45 [D]   2145</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 24h 32m 26s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 32m 26s												0000 RTLT 24h 32m 24s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
VGR COVERAGE	ON CALL												VGR				ON CALL											
NOTES	[1] S/C 31=GS-4B @ 1438 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 26														MAY 27													

ISSUE DATE: 05/20/09 20:07

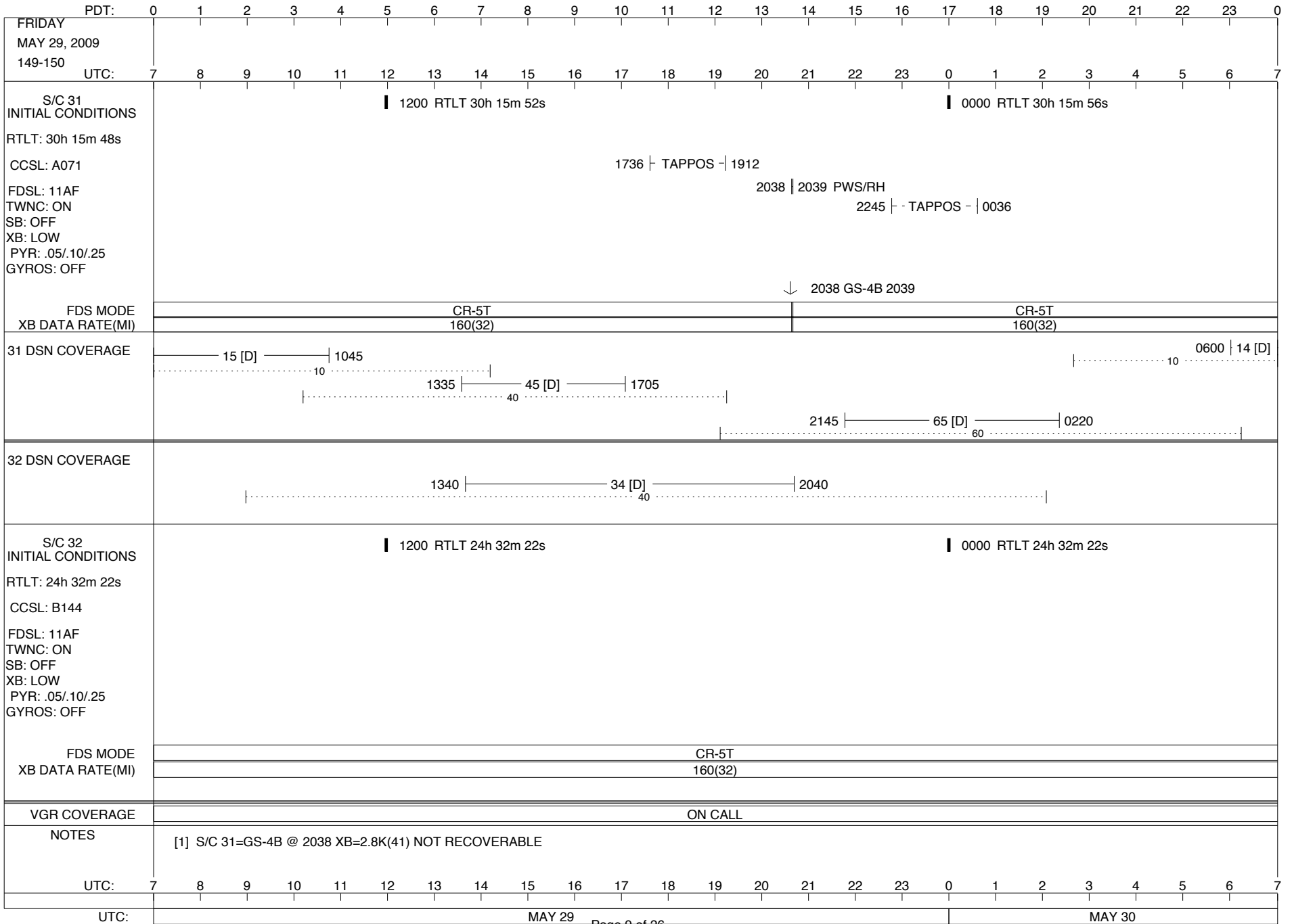
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WEDNESDAY MAY 27, 2009 147-148																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 30h 15m 32s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 15m 36s												0000 RTLT 30h 15m 40s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	14 [D] 1000 0940   24 [DAR]   1130 0940   26 [DA]   1130 10 40												0415   15 [D]   10 2230   65 [D]   0345 60												
32 DSN COVERAGE	0940   45 [D]   1350 1345   43 [B]   1750 40																								
S/C 32 INITIAL CONDITIONS RTLTL: 24h 32m 24s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 32m 24s												0000 RTLT 24h 32m 24s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
VGR COVERAGE	ON CALL						VGR						ON CALL												
NOTES	▼ 1547 DUMMY (5 MIN BRACKETED 16:20)																								
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												



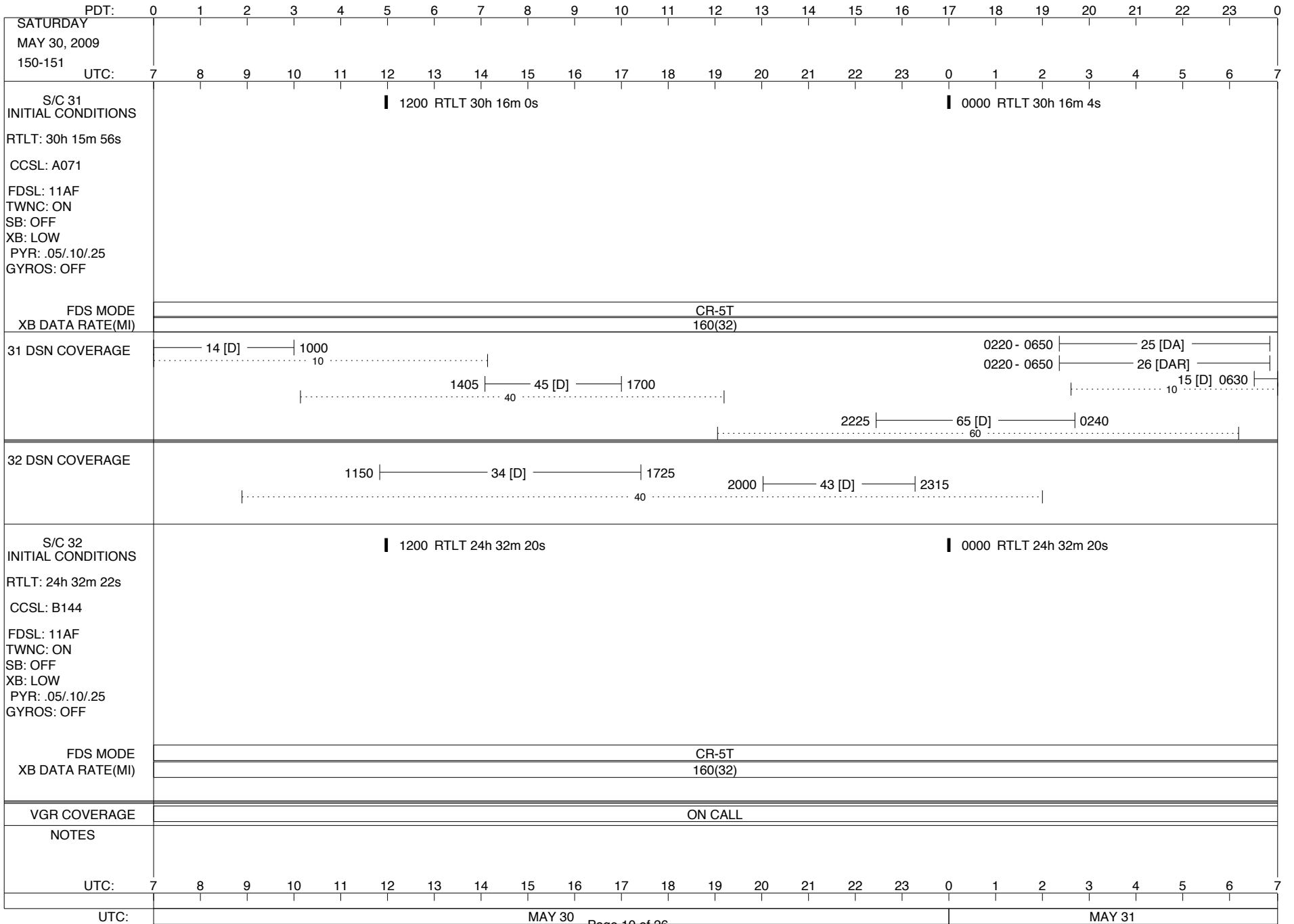
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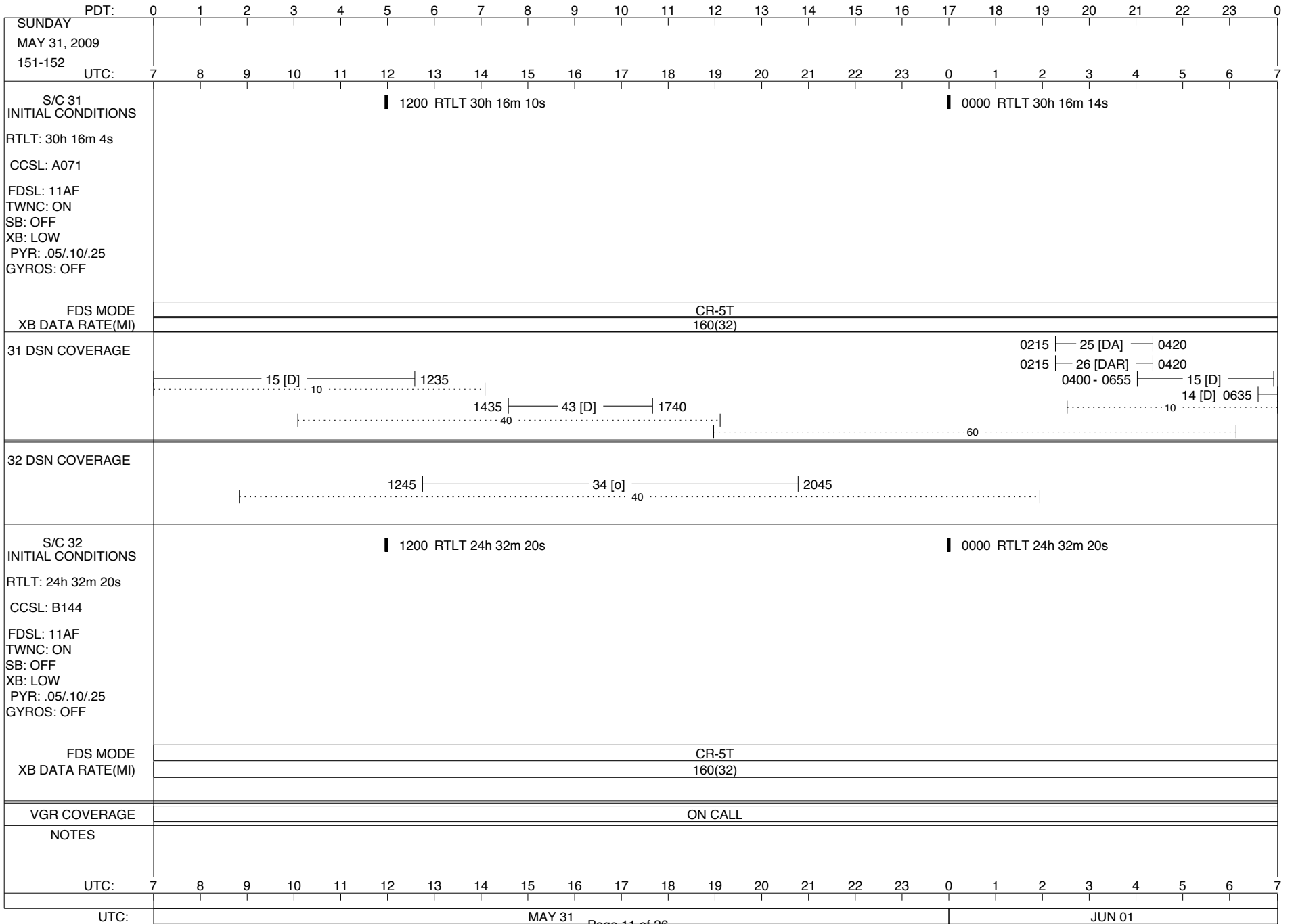
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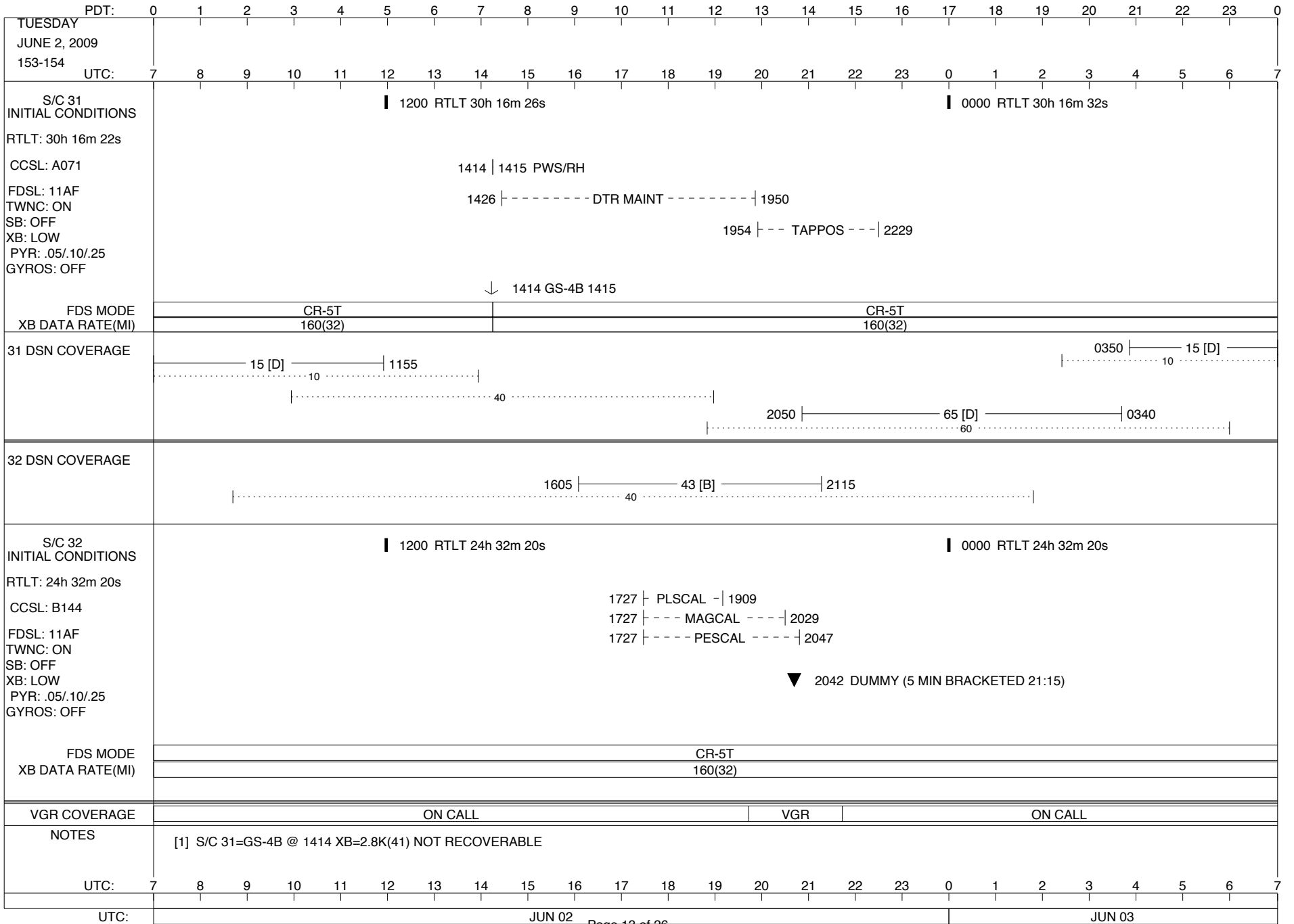
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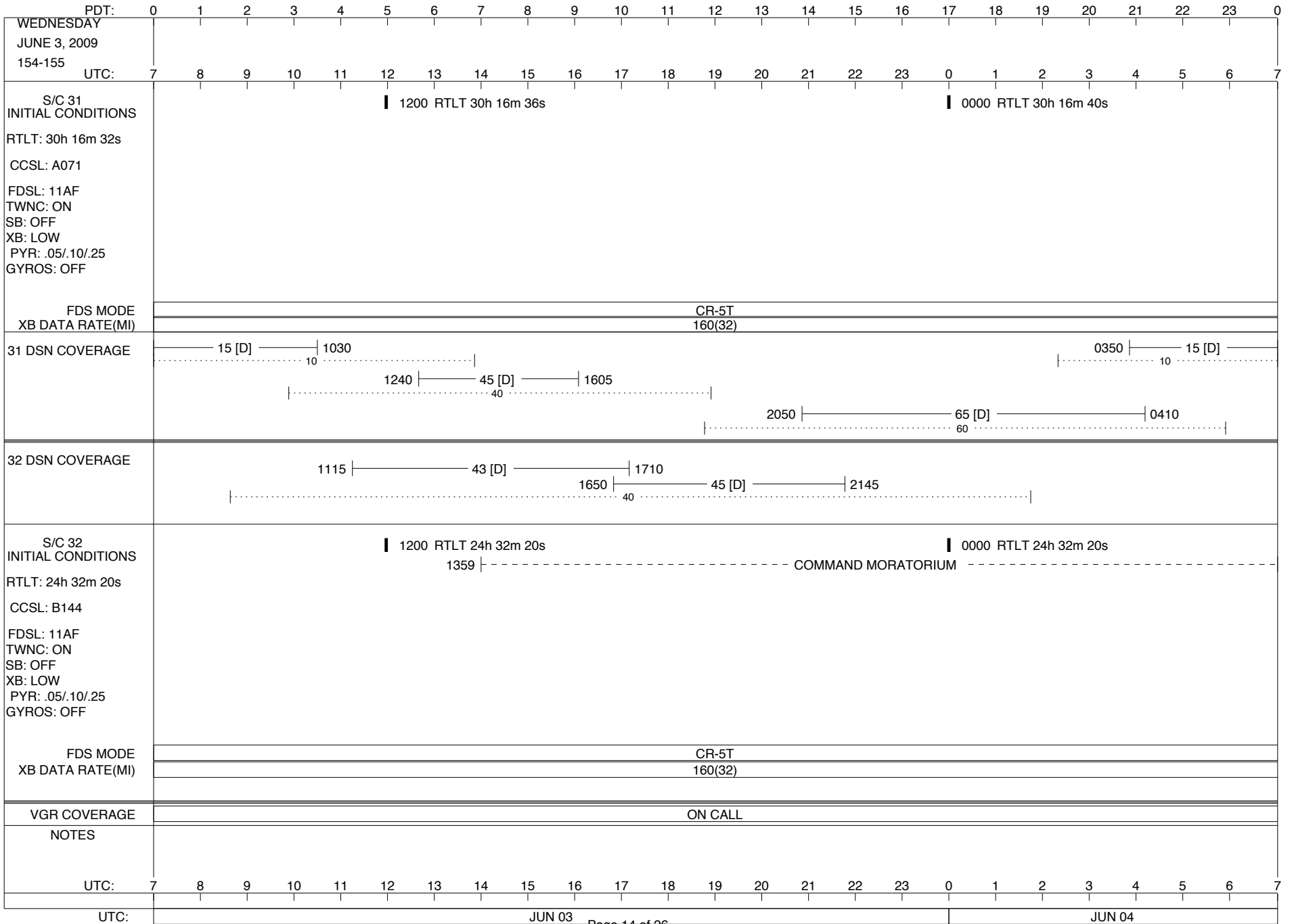
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MONDAY JUNE 1, 2009 152-153																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 30h 16m 14s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 16m 18s												0000 RTLTL 30h 16m 22s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	1320  -----  43  -----  1715												0310   26 [D]   0430 0310  -----  15 [D]  -----   -----  10  -----												
	14 [D]  -----  1305  -----  10  -----  40  -----  2055  -----  65 [D]  -----  0245  -----  60  -----																								
32 DSN COVERAGE	1145  -----  34 [D]  -----  1730 1655   45 [D]   1825  -----  40  -----																								
S/C 32 INITIAL CONDITIONS RTLTL: 24h 32m 20s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 24h 32m 20s												0000 RTLTL 24h 32m 20s												
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:	JUN 01												JUN 02												

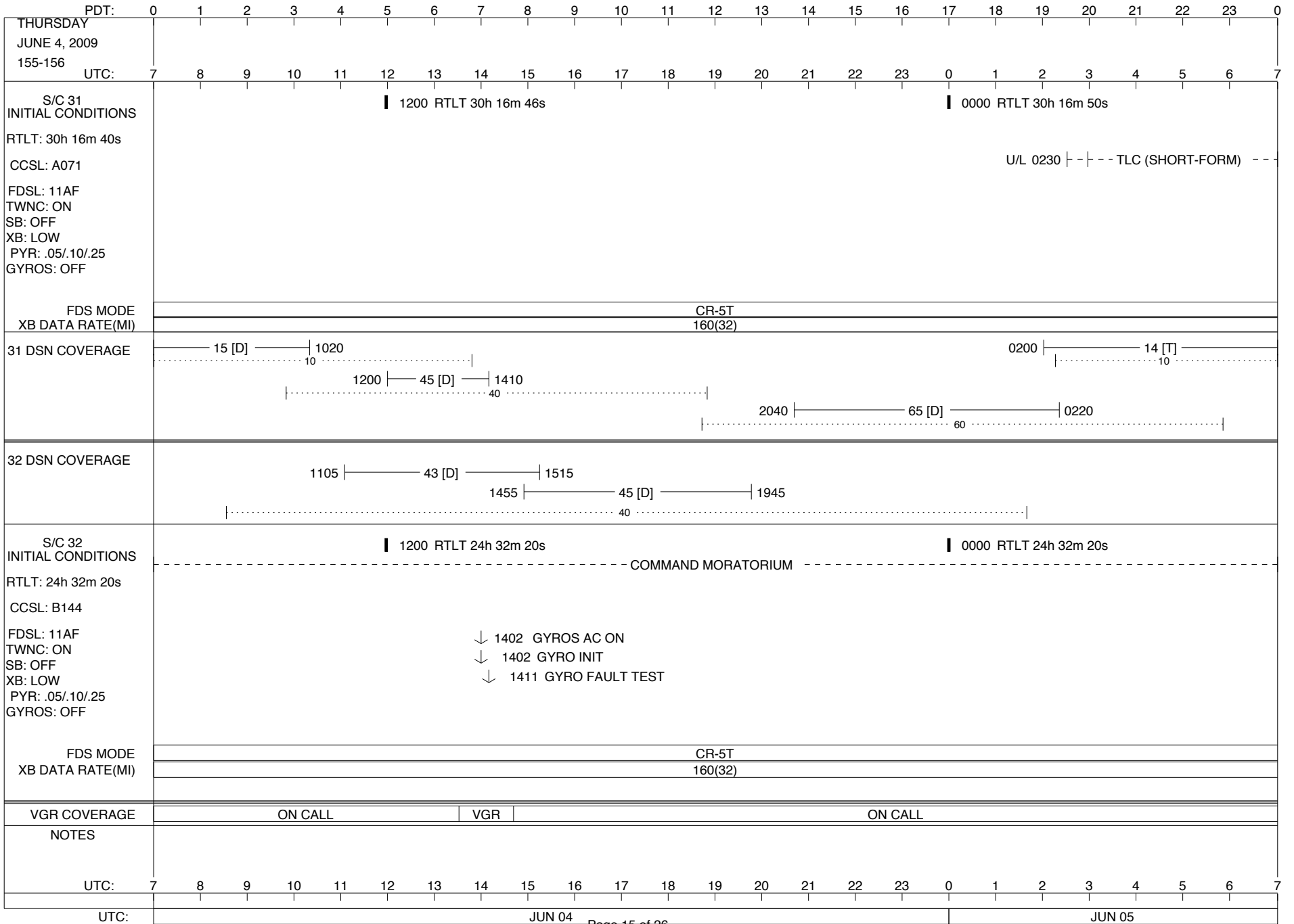
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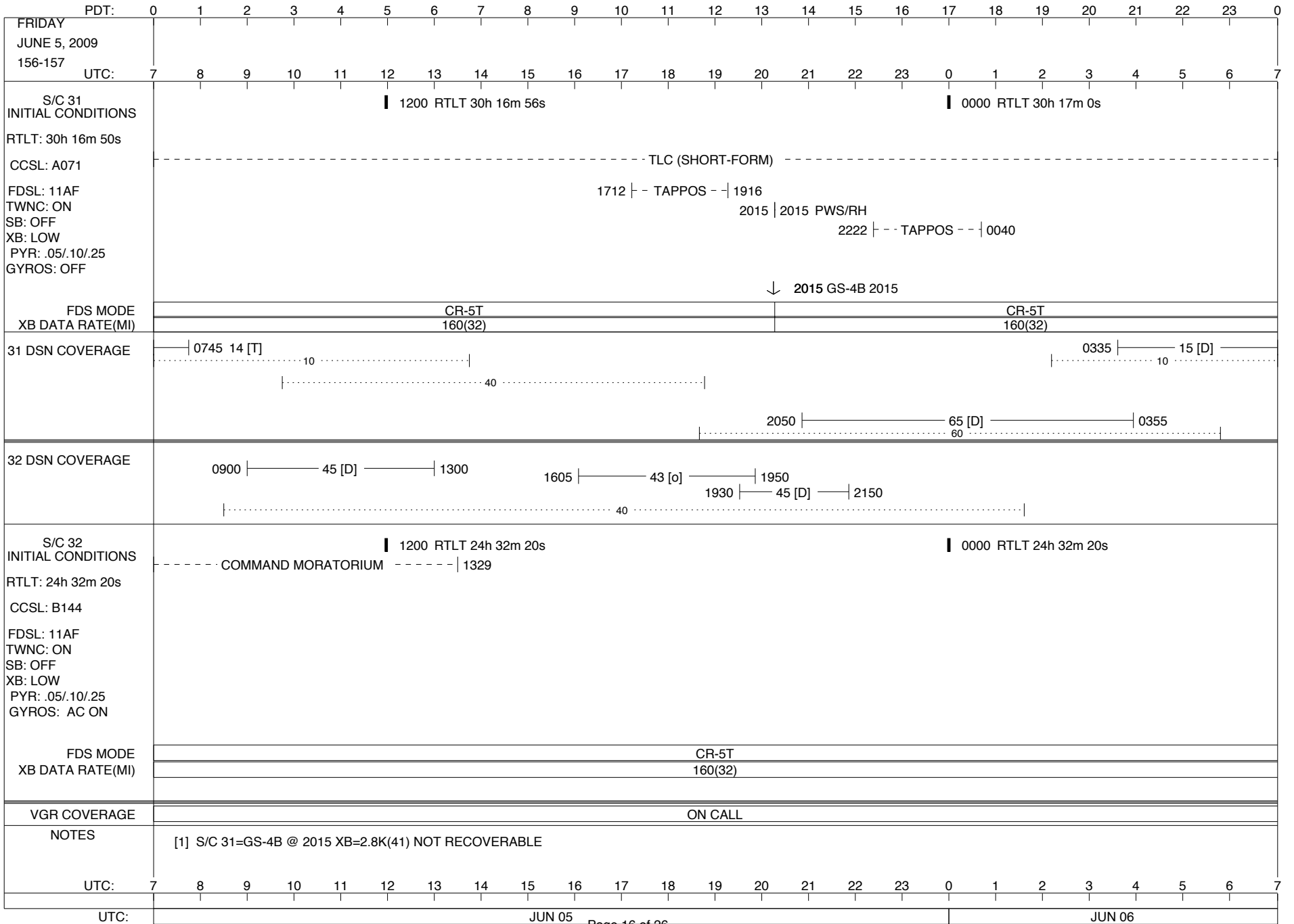
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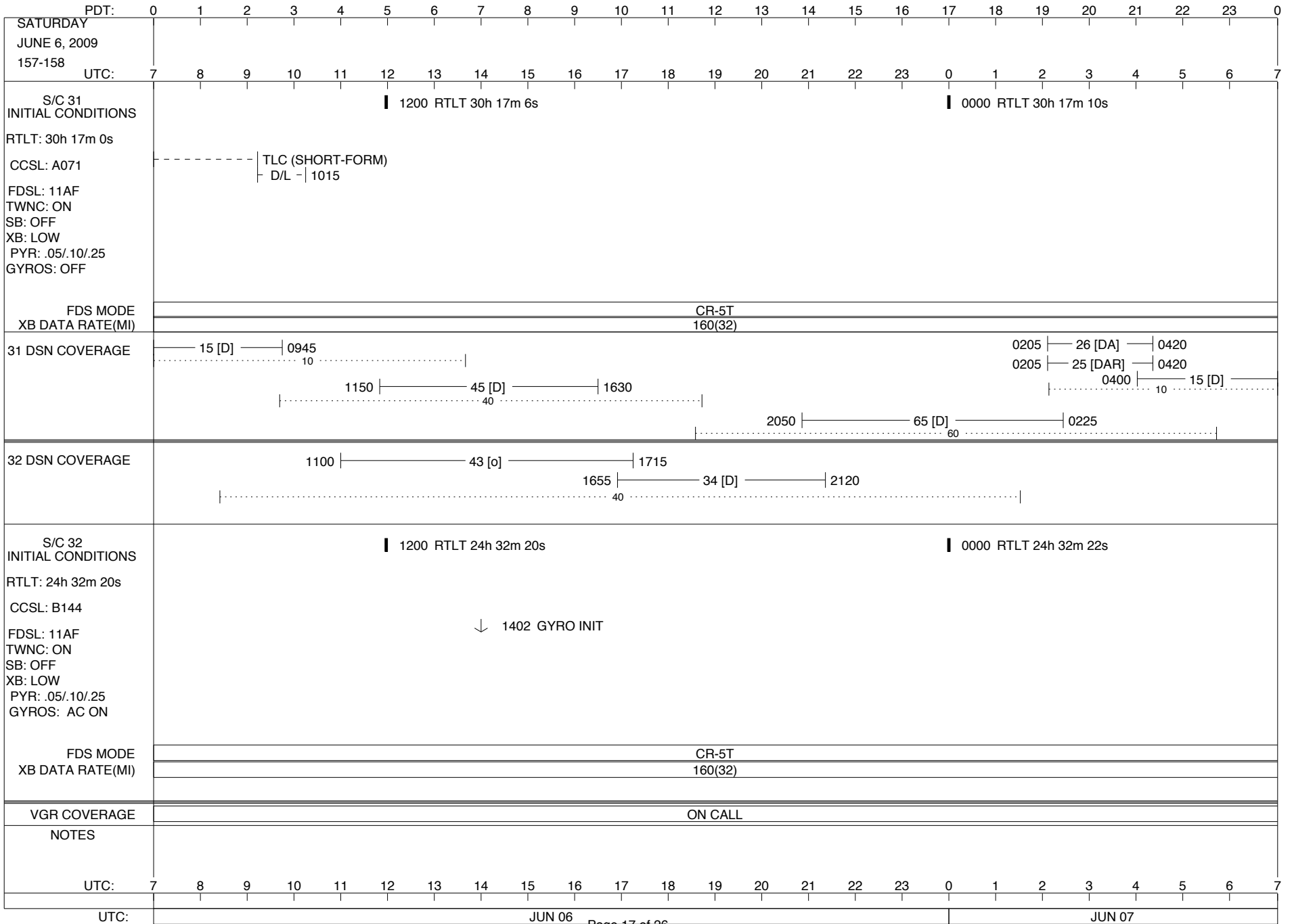
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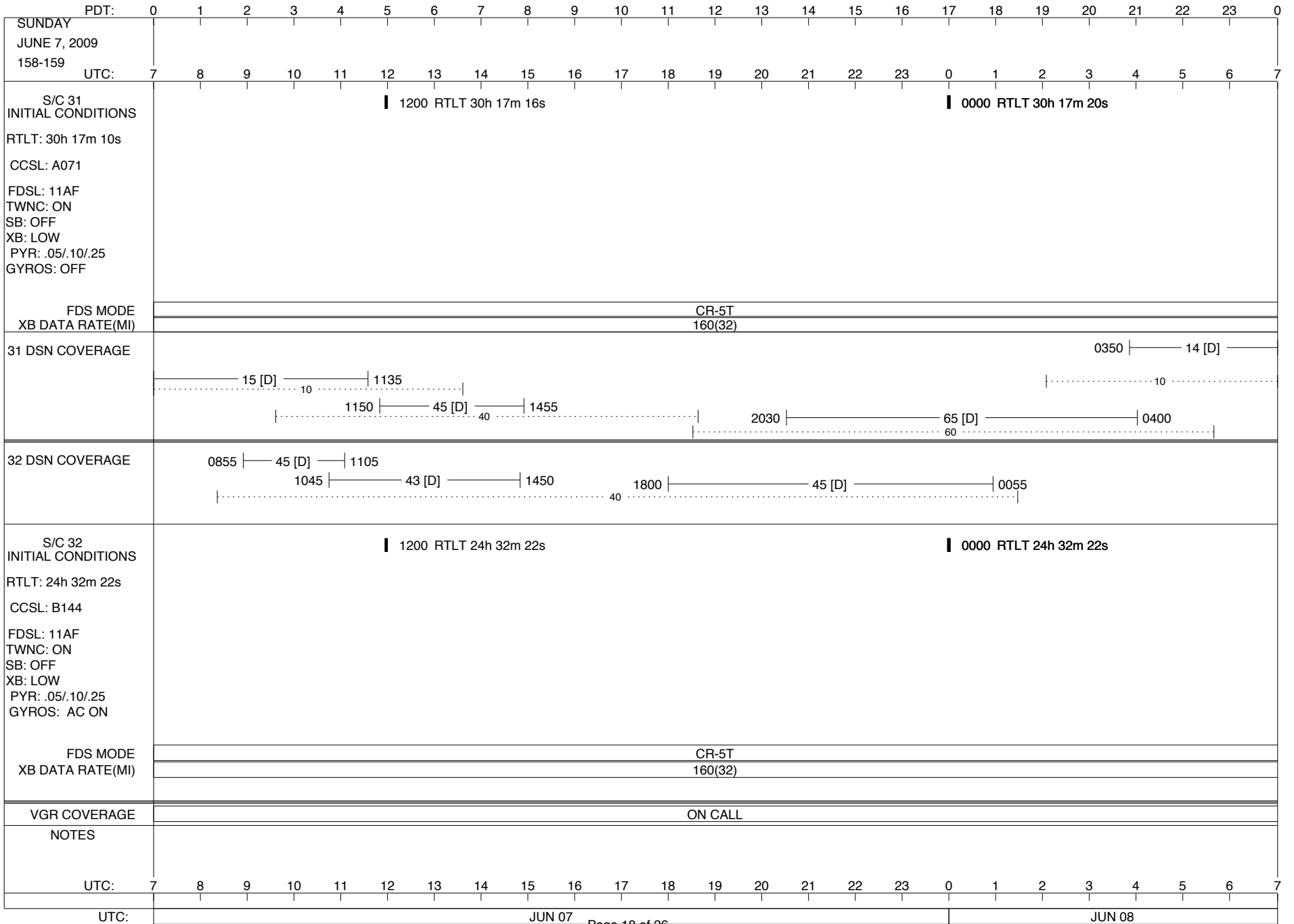




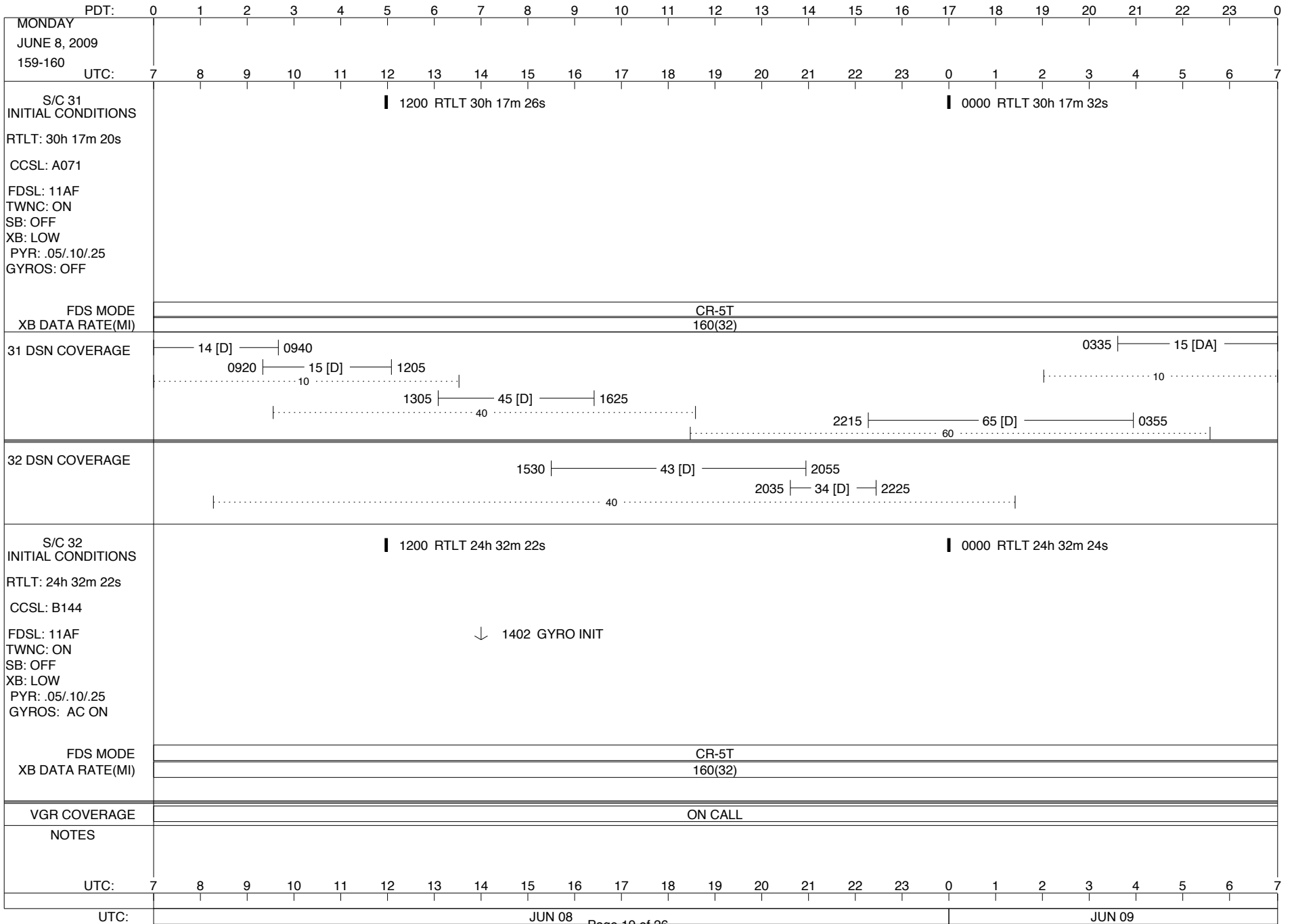
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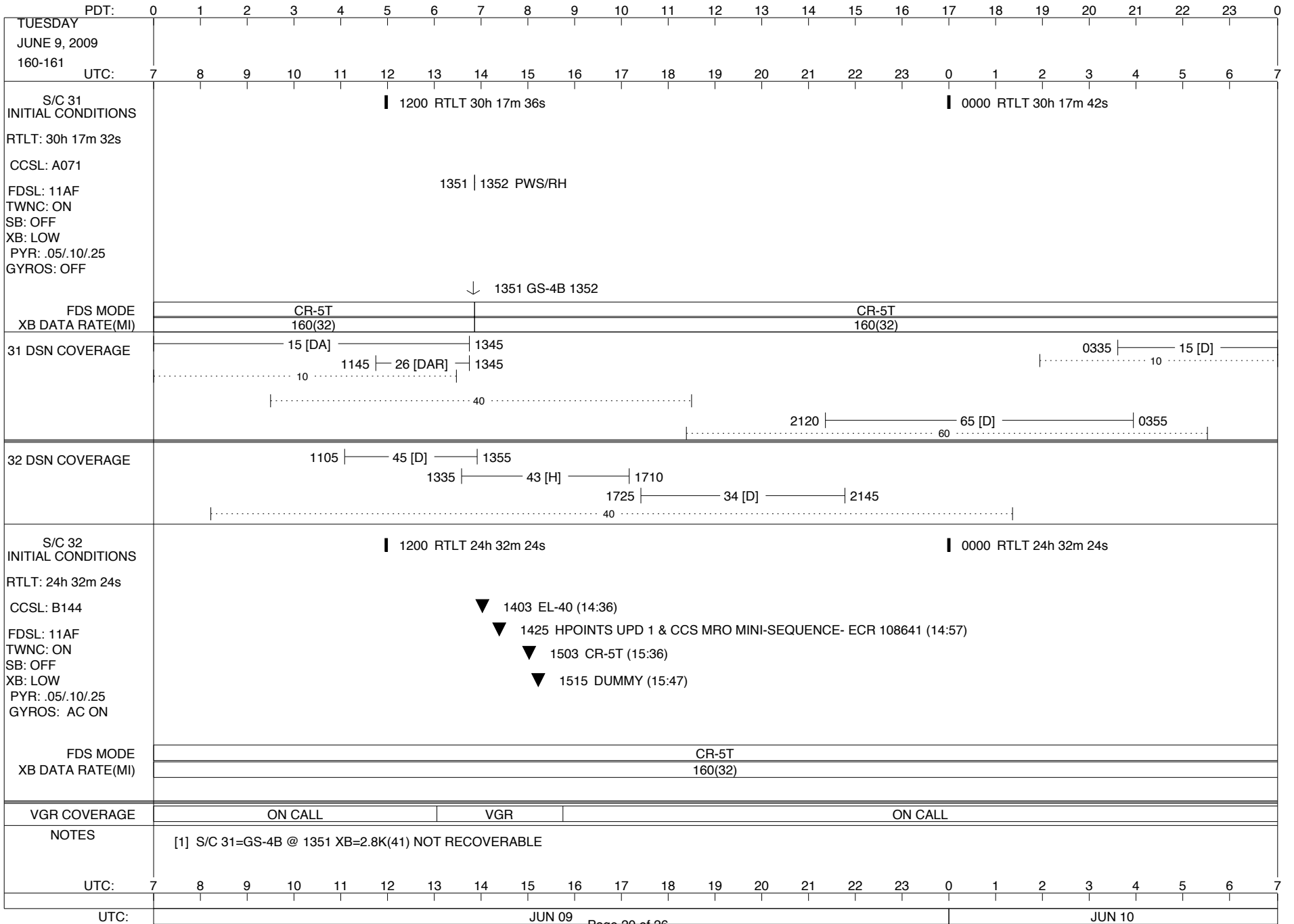
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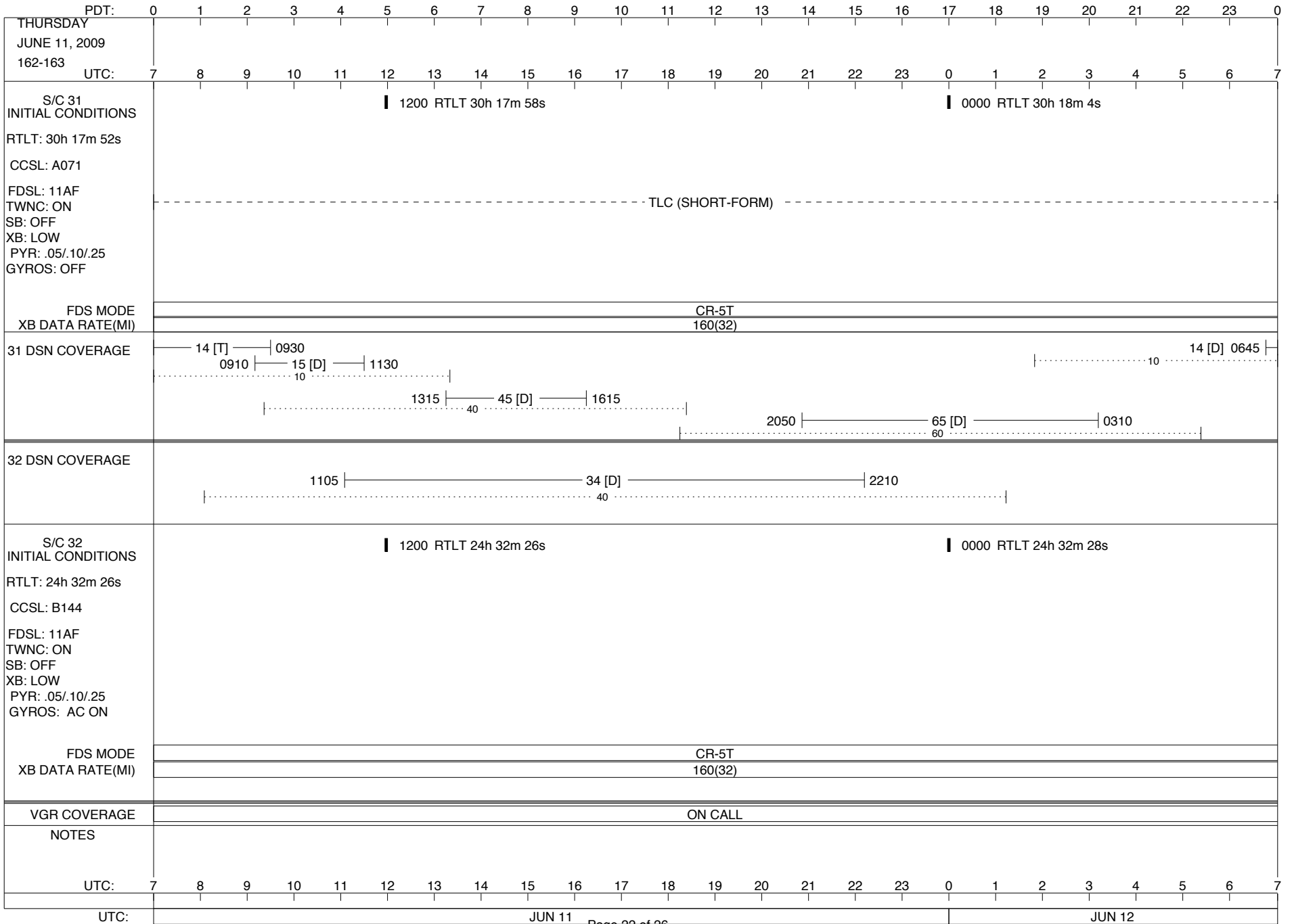
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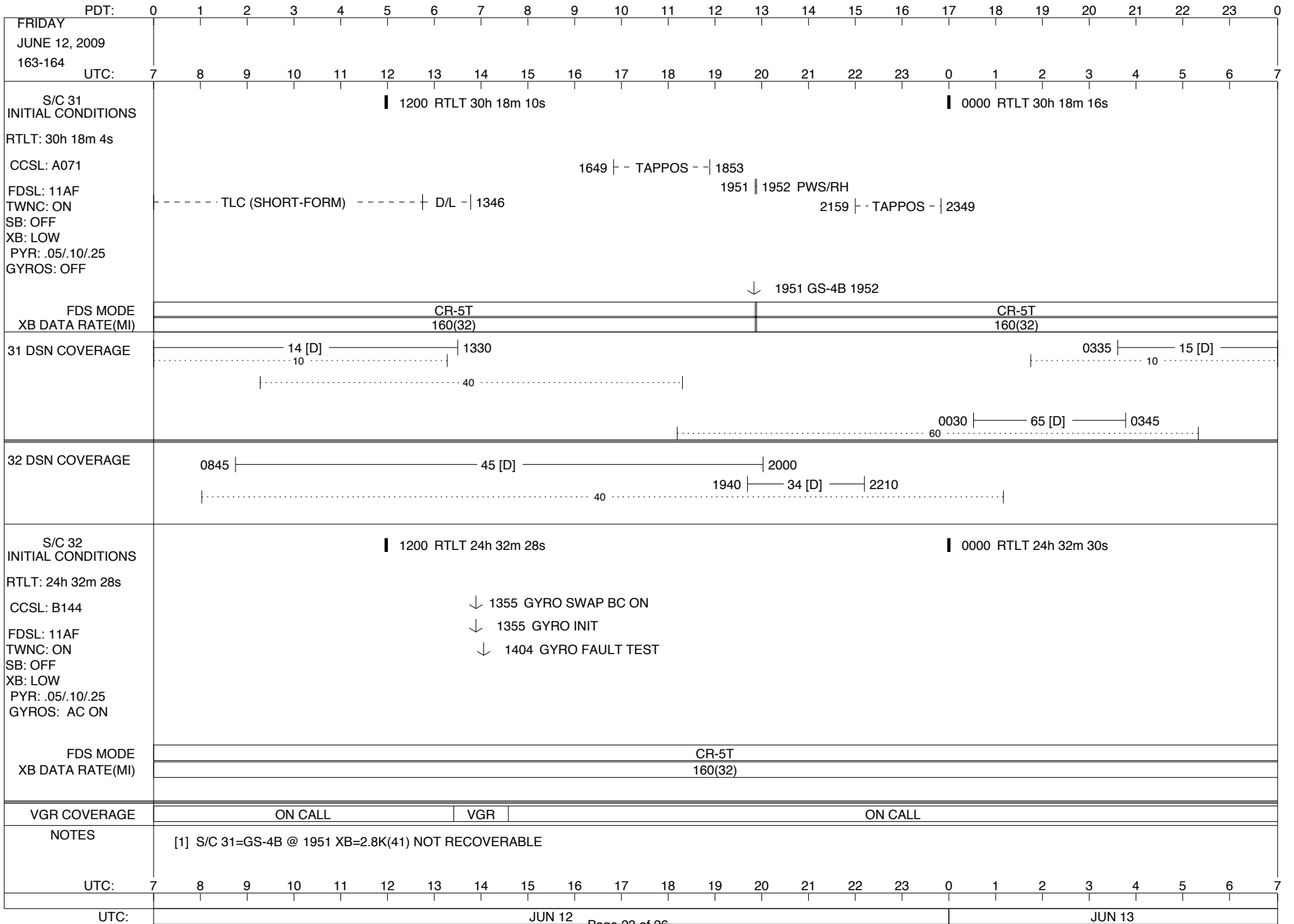
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WEDNESDAY JUNE 10, 2009 161-162																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLTL: 30h 17m 42s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 30h 17m 48s												0000 RTLTL 30h 17m 52s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
31 DSN COVERAGE	15 [D]   1145												0530   14 [T]													
	.....												.....													
	.....40.....												.....10.....													
	.....												2130   65 [D]   0235													
	.....												.....60.....													
32 DSN COVERAGE	1315   43 [D3]   1800																									
	.....												1740   34 [D]   2215													
	.....40.....												.....													
S/C 32 INITIAL CONDITIONS RTLTL: 24h 32m 24s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: AC ON	1200 RTLTL 24h 32m 26s												0000 RTLTL 24h 32m 26s													
	↓ 1402 GYRO INIT																									
	1521    1526 HPOINTS UPD 1 & CCS MRO MINI-SEQUENCE CHKSUM - ECR 108641																									
	1437↓ ↓ 1537																									
FDS MODE	CR-5T						EL-40						CR-5T													
XB DATA RATE(MI)	160(32)						40(30)						160(32)													
VGR COVERAGE	ON CALL																									
NOTES	[1] S/C 32=EL-40 @ 1336 XB=40(30) [2] S/C 32=CR-5T @ 1437 XB=160(32) [3] HPOINTS BACKUP U/L TRACK																									
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:	JUN 10												JUN 11													

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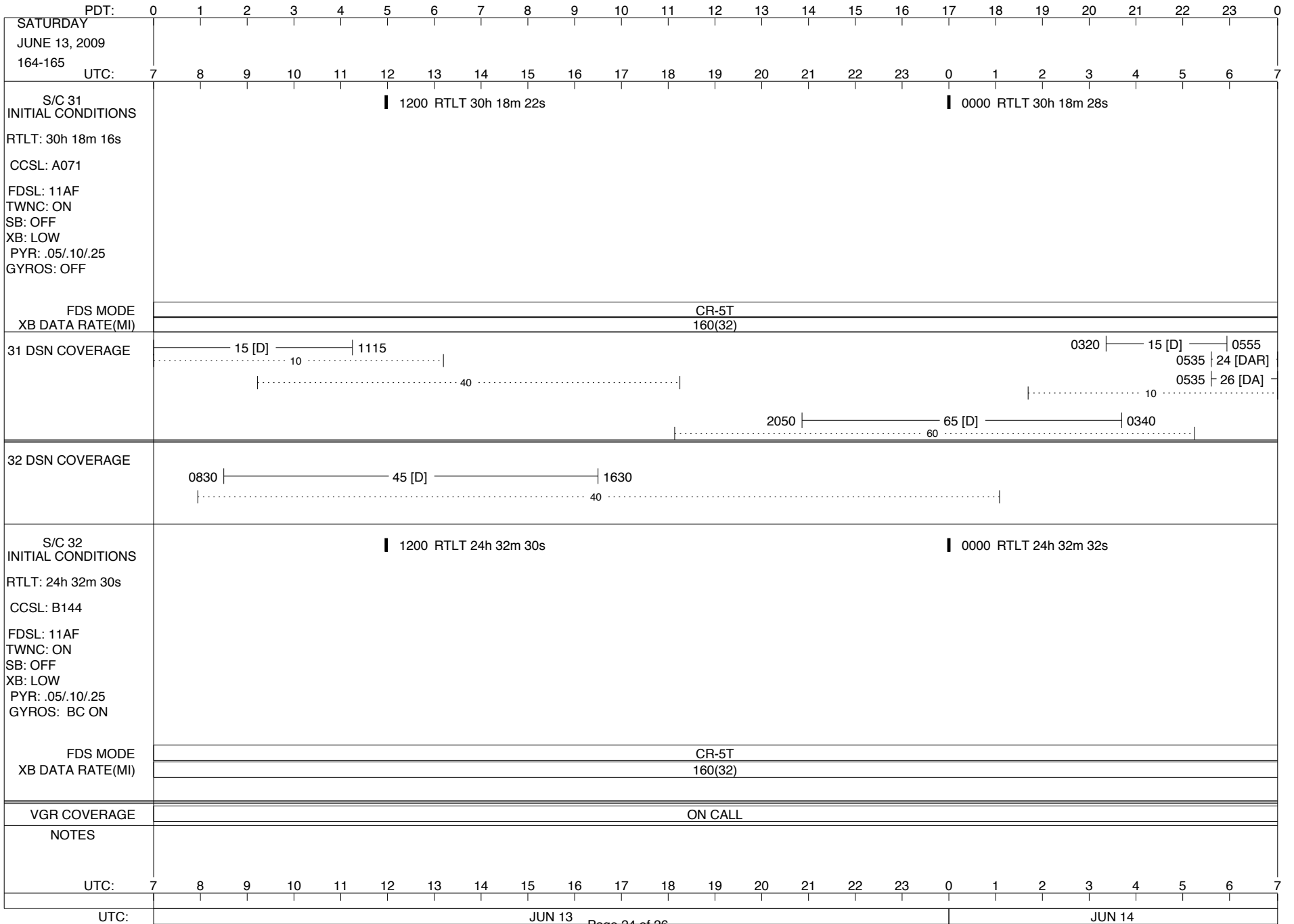


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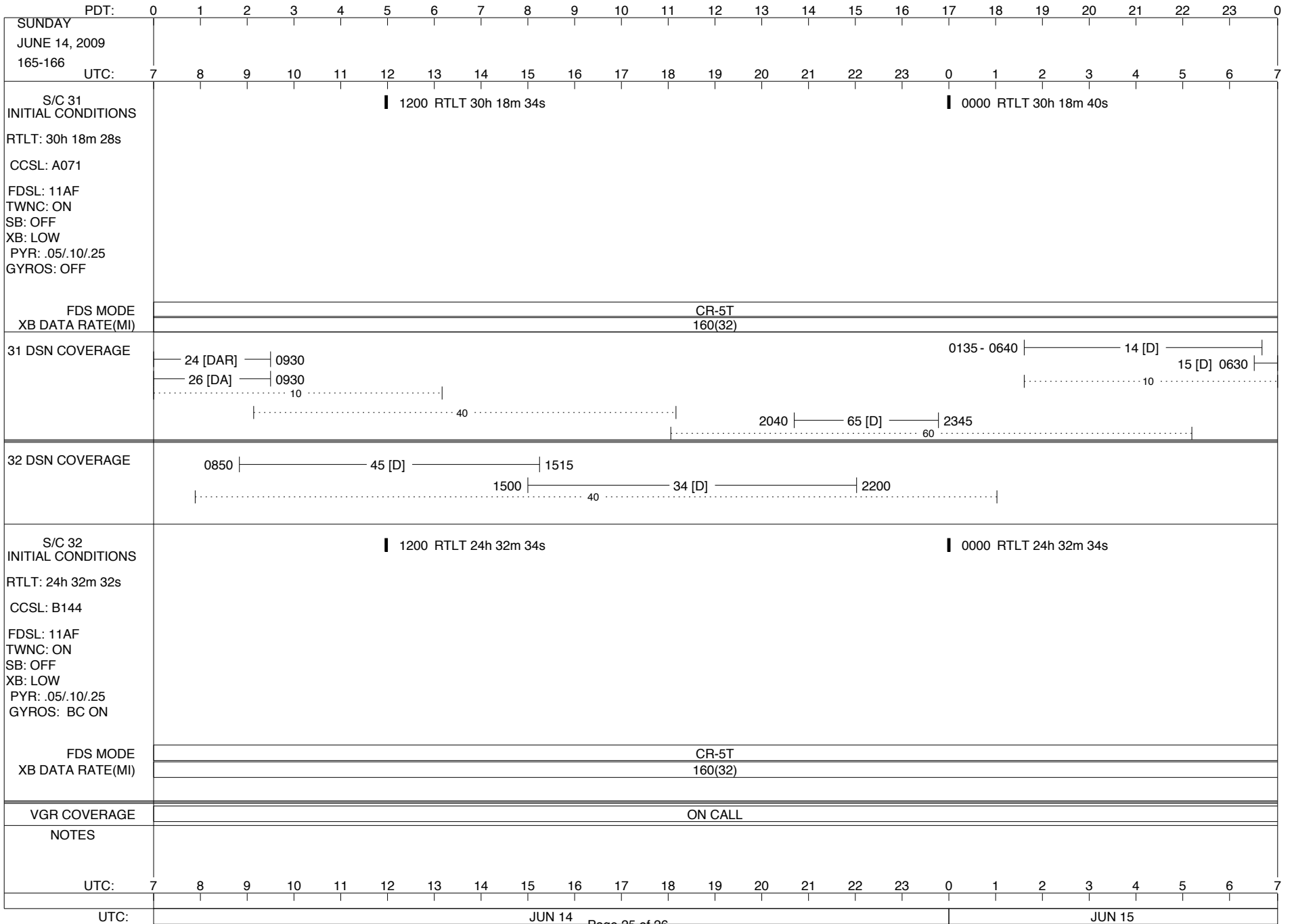




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S/C 31 INITIAL CONDITIONS RTLT: 30h 18m 40s CCSL: A071 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 18m 46s																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE																											
32 DSN COVERAGE	0820  ----- 45 [D] -----  1710																										
S/C 32 INITIAL CONDITIONS RTLT: 24h 32m 34s CCSL: B144 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: BC ON	1200 RTLT 24h 32m 36s																										
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:	JUN 15													JUN 16													