

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: June 19, 2013

For the Period: 06/20/13 to 07/08/13 (13-164 – 13-182)

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**SCIENCE**

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

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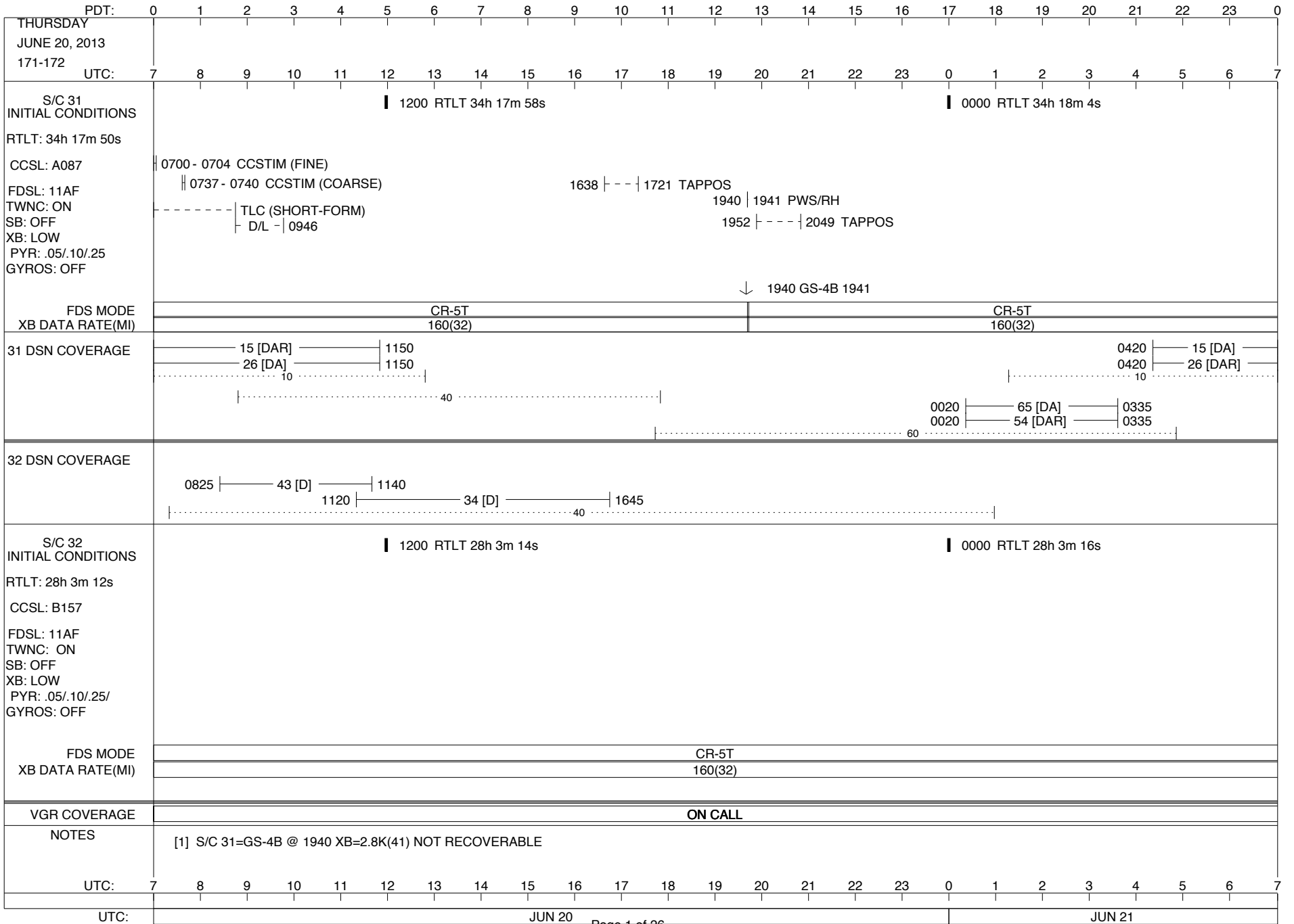
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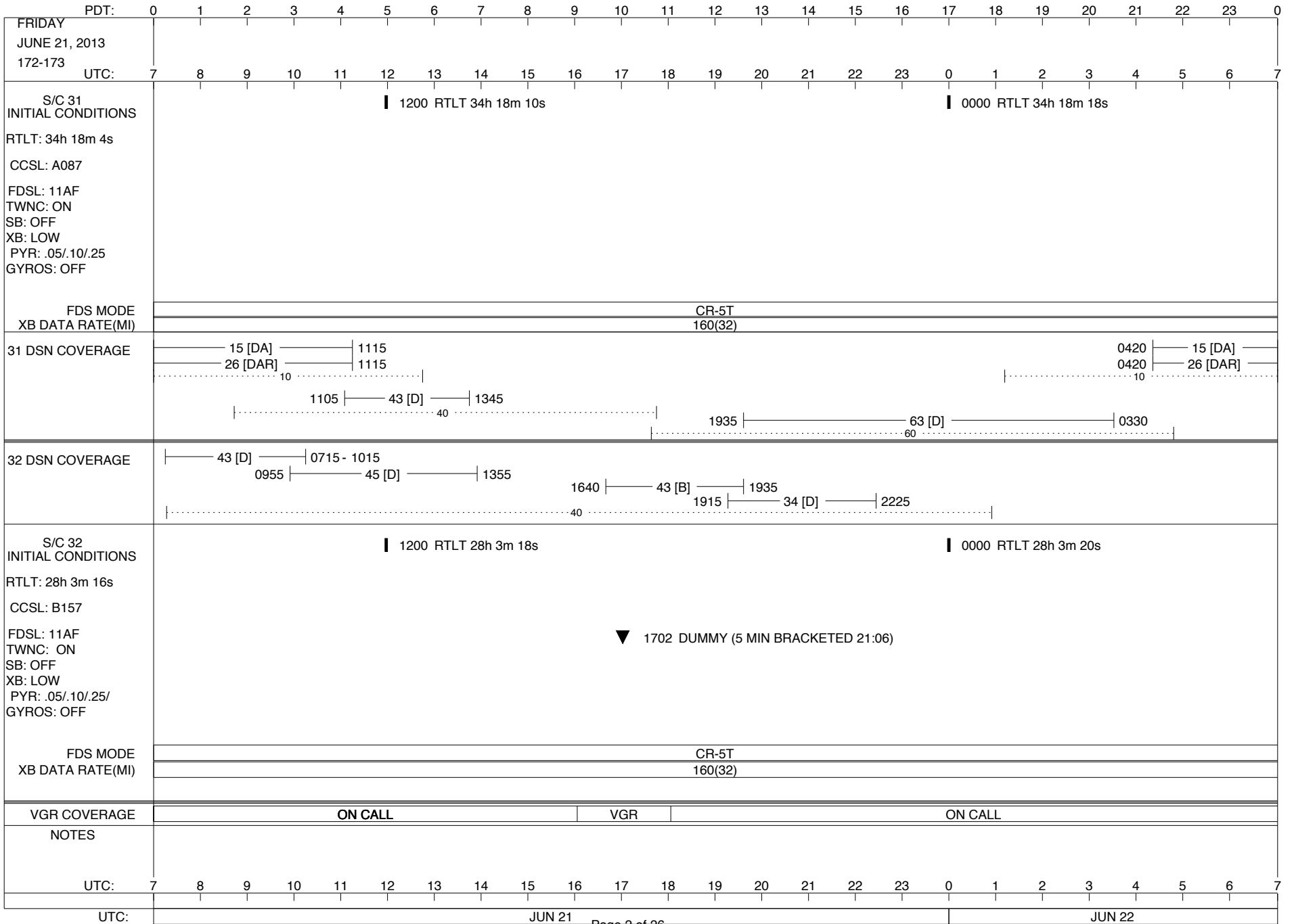
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 \* Belinda.Arroyo@jpl.nasa.gov  
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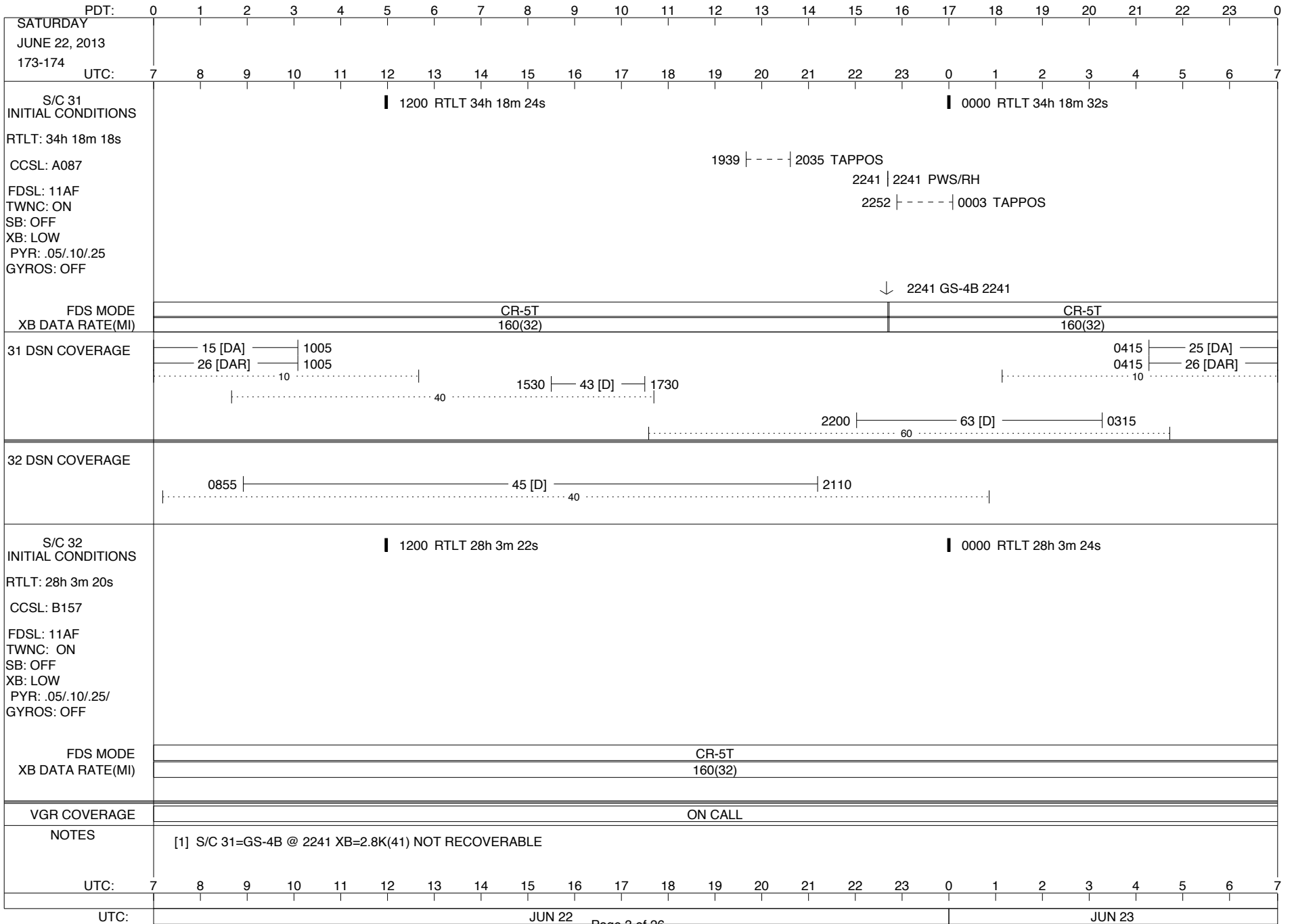
**LEGEND:** ∇ = R/T Command (Last chance or Contingency)  
 ▼ = R/T Command (Scheduled)  
 \* = Result of R/T Command  
 n = (where n = 1,2,3 ..) Special Note, see bottom of page  
 A = Arrayed station  
 B = 7-Point BLF  
 D = Downlink only pass  
 H = High Power Transmitter  
 R = Array Reference Antenna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

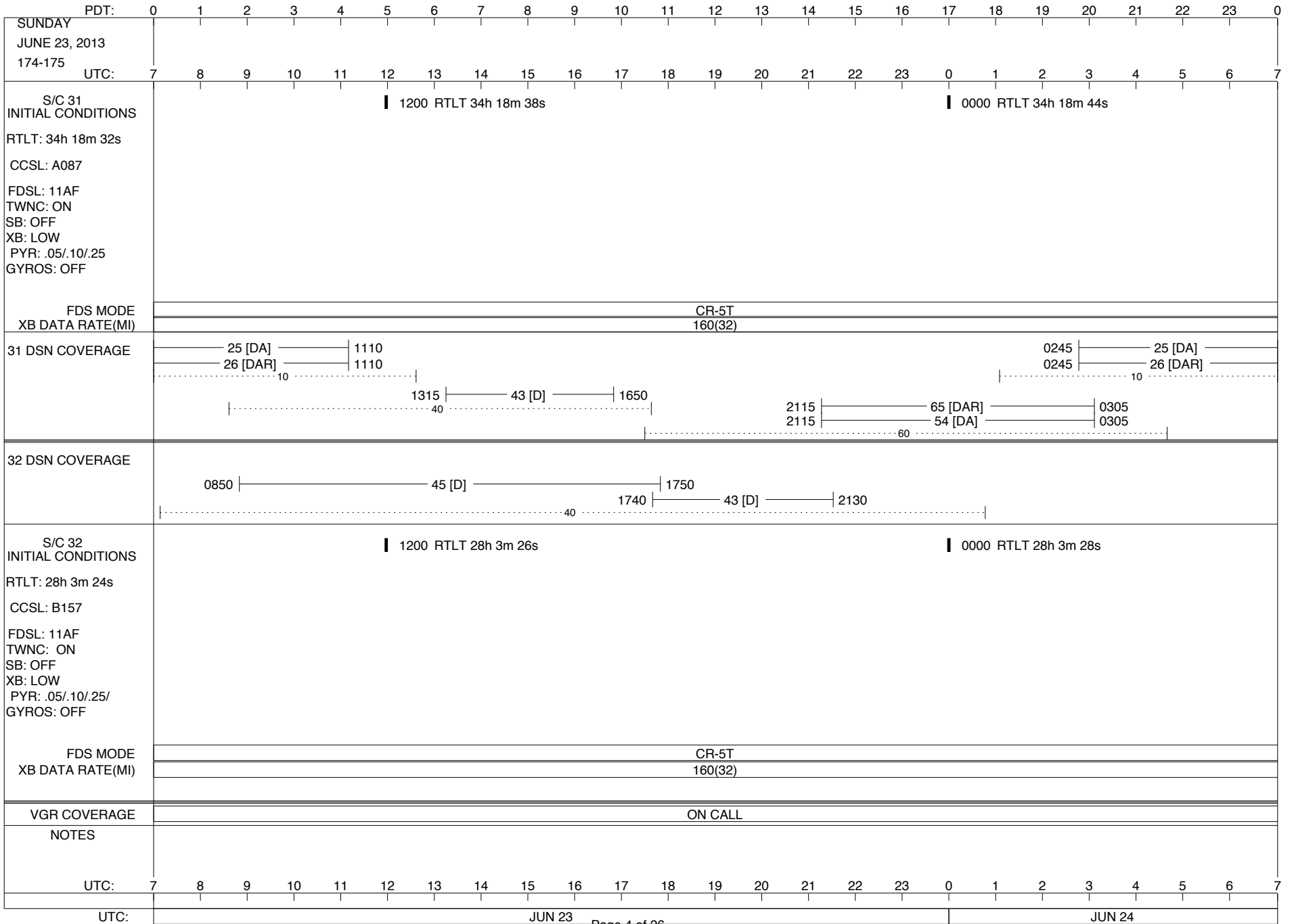
\*Electronic Copy Only  
 (16 – Dist/N: Paper Copies)  
 09/08/10

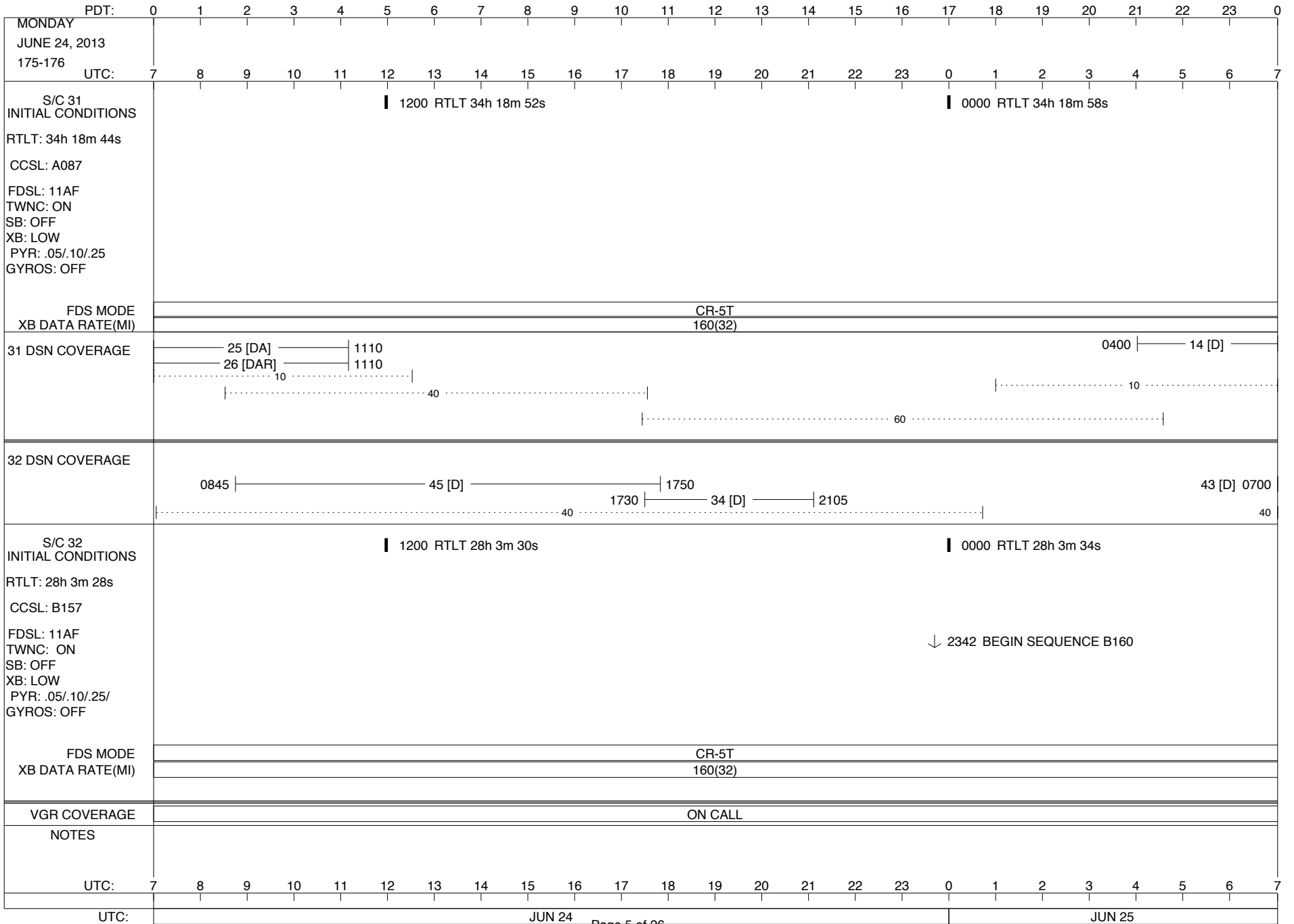
ISSUE DATE: 06/25/13 20:38



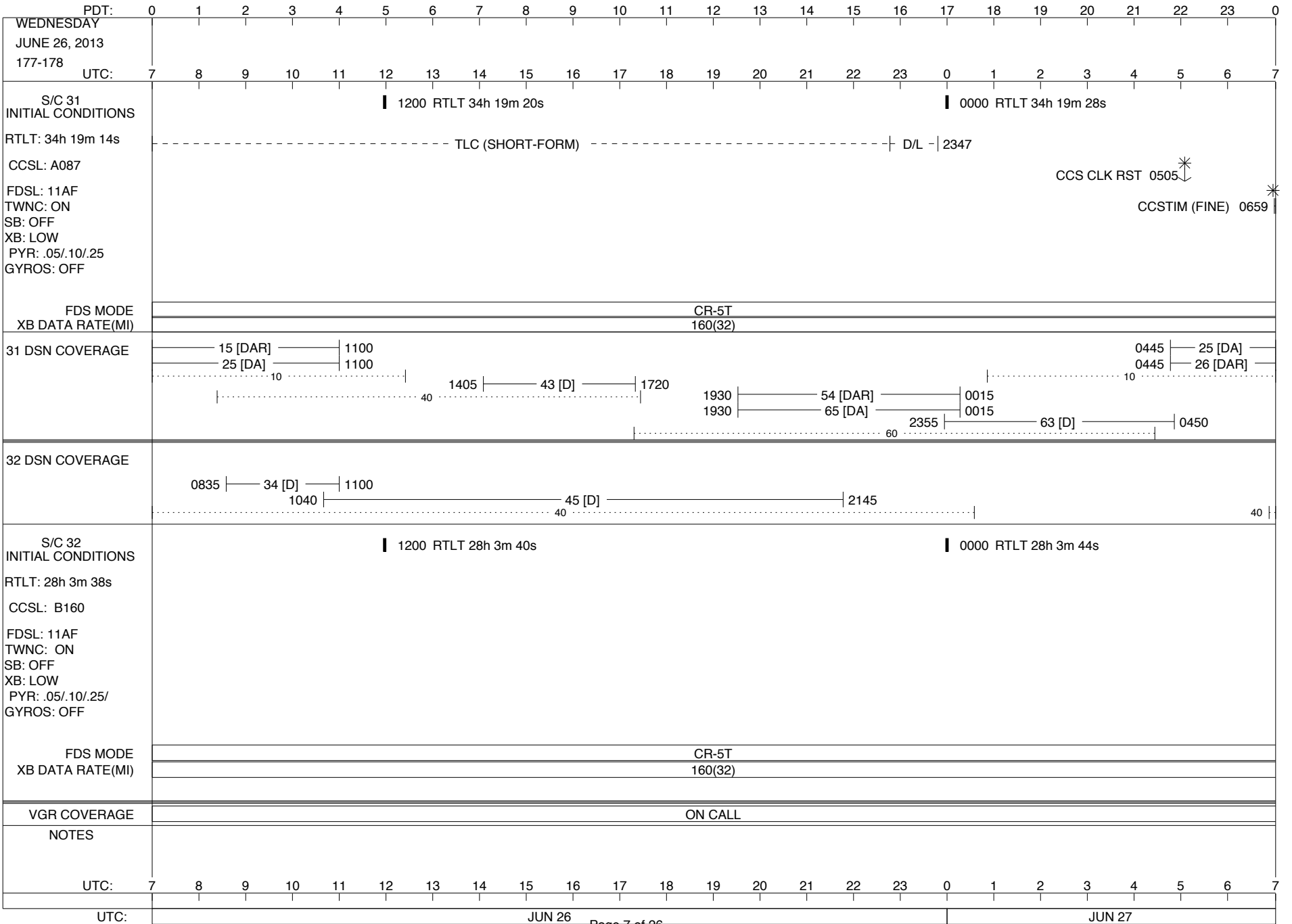








PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
TUESDAY JUNE 25, 2013 176-177																									
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S/C 31 INITIAL CONDITIONS RTLTL: 34h 18m 58s CCSL: A087 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 34h 19m 6s												0000 RTLTL 34h 19m 14s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	<p>Timeline for 31 DSN COVERAGE: 0755 [D] 0815, 0755 [DA] 1105, 0755 [DAR] 1105, 1110 [T] 1430, 1740 [T] 2145. Events: 1830 DUMMY (04:49), 1846 CCS CLK RST (05:05), 2038 CCSTIM F/C (06:57). Downward arrow at 1303 GS-4B 1304.</p>																								
32 DSN COVERAGE	<p>Timeline for 32 DSN COVERAGE: 0700-1005 [D] 43, 1000 [O] 2145, 34 [O] 40.</p>																								
S/C 32 INITIAL CONDITIONS RTLTL: 28h 3m 34s CCSL: B160 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLTL 28h 3m 36s												0000 RTLTL 28h 3m 38s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL												VGR						ON CALL						
NOTES	[1] S/C 31=GS-4B @ 1303 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:	JUN 25												Page 6 of 26						JUN 26						

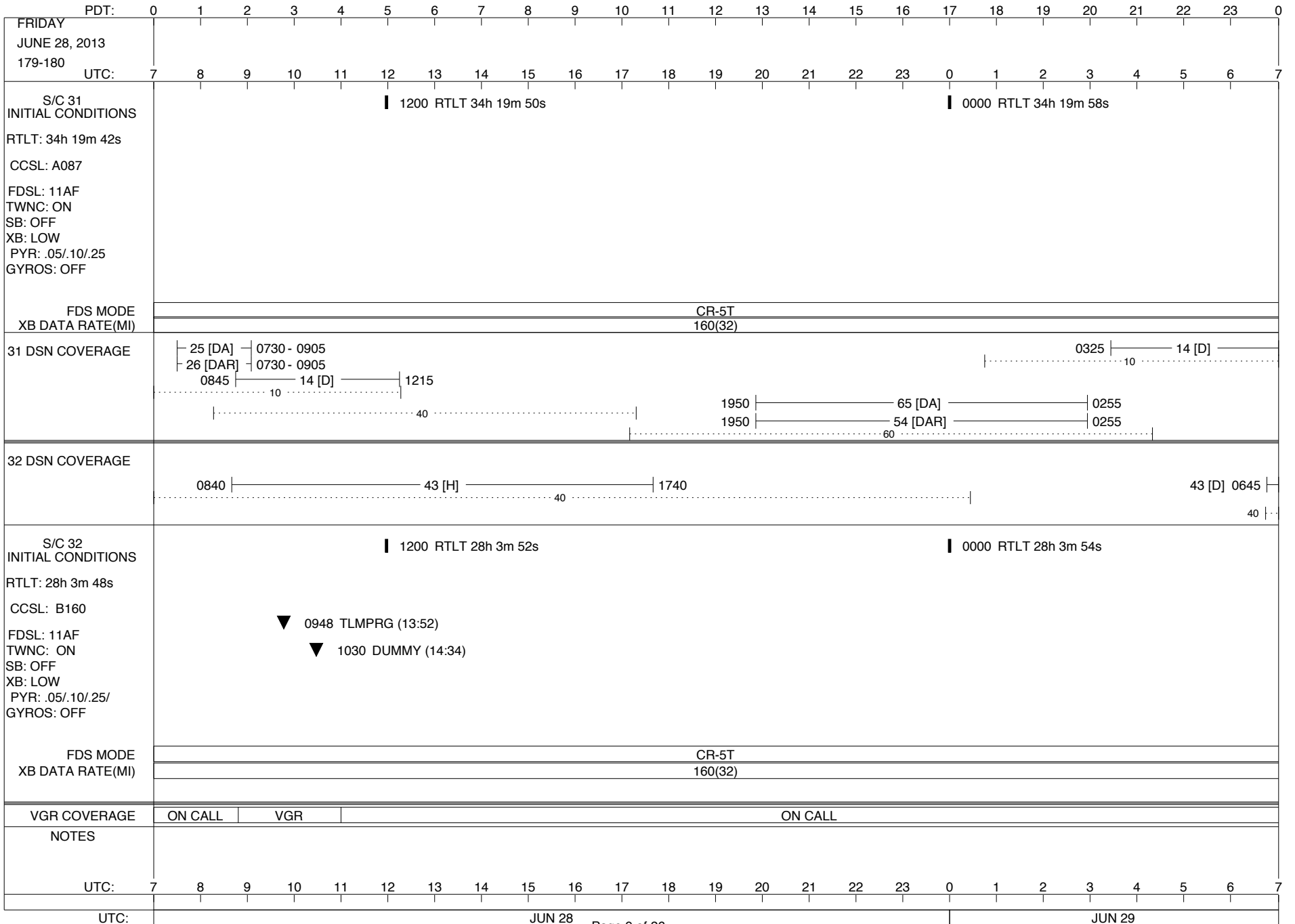


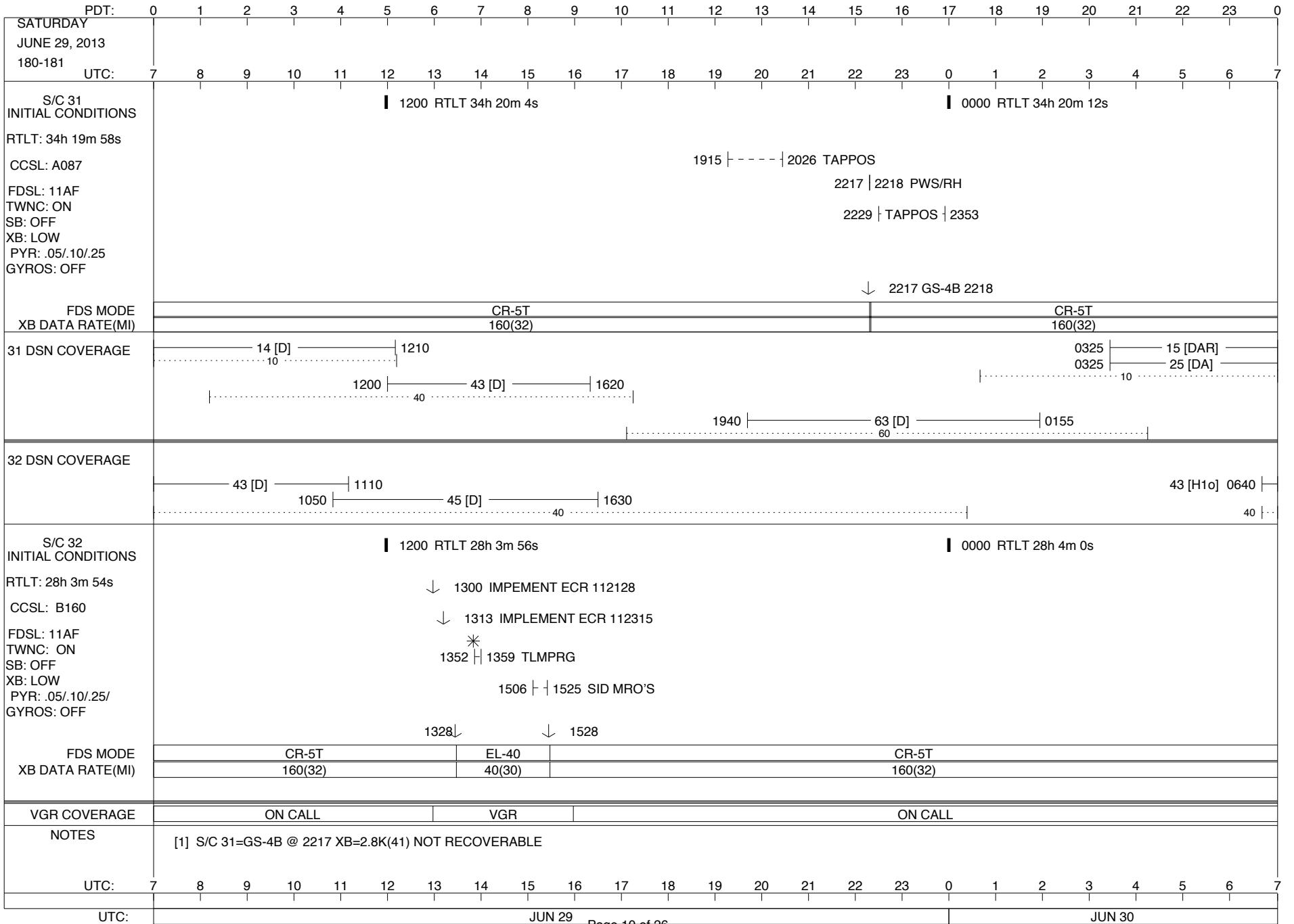


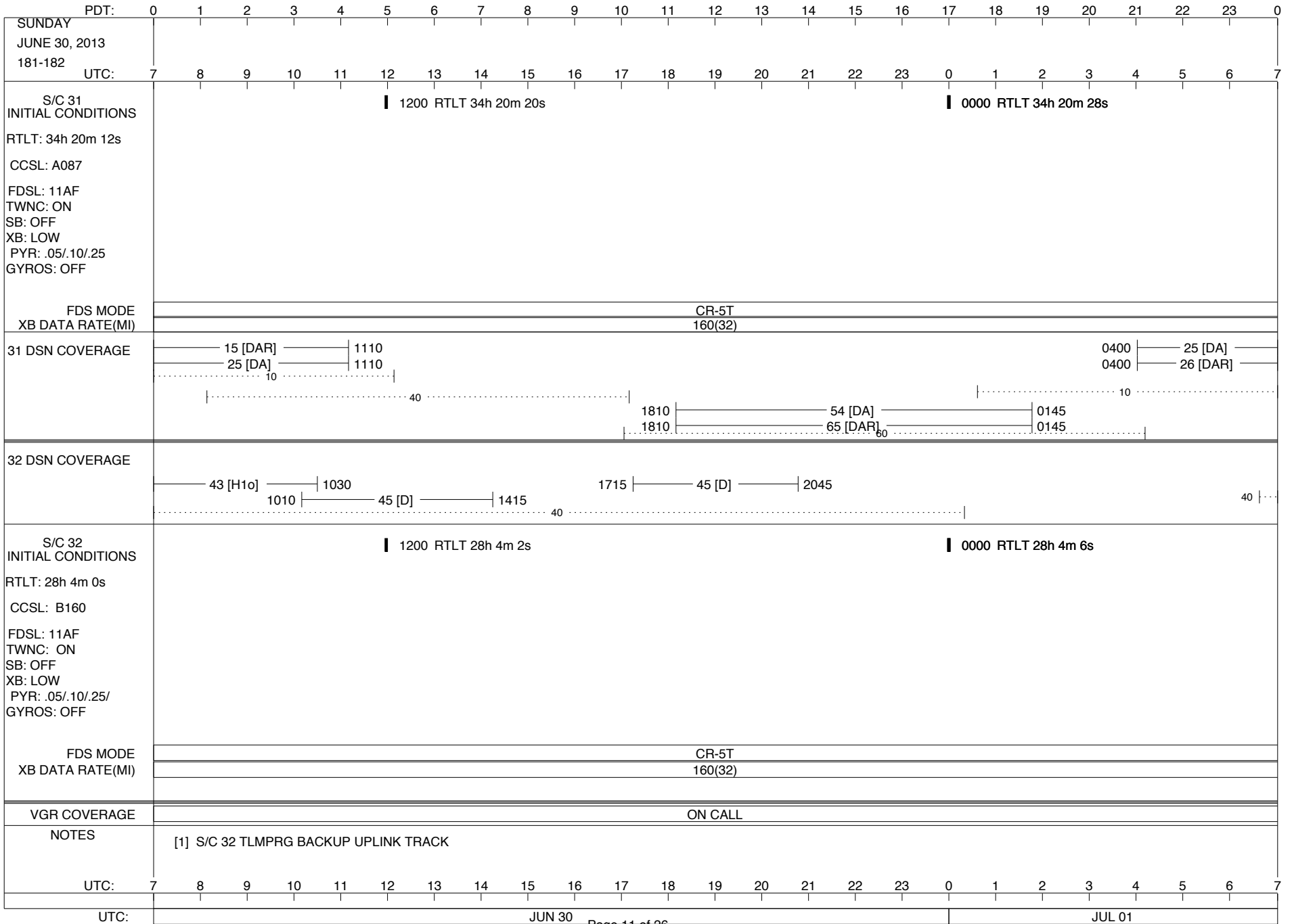
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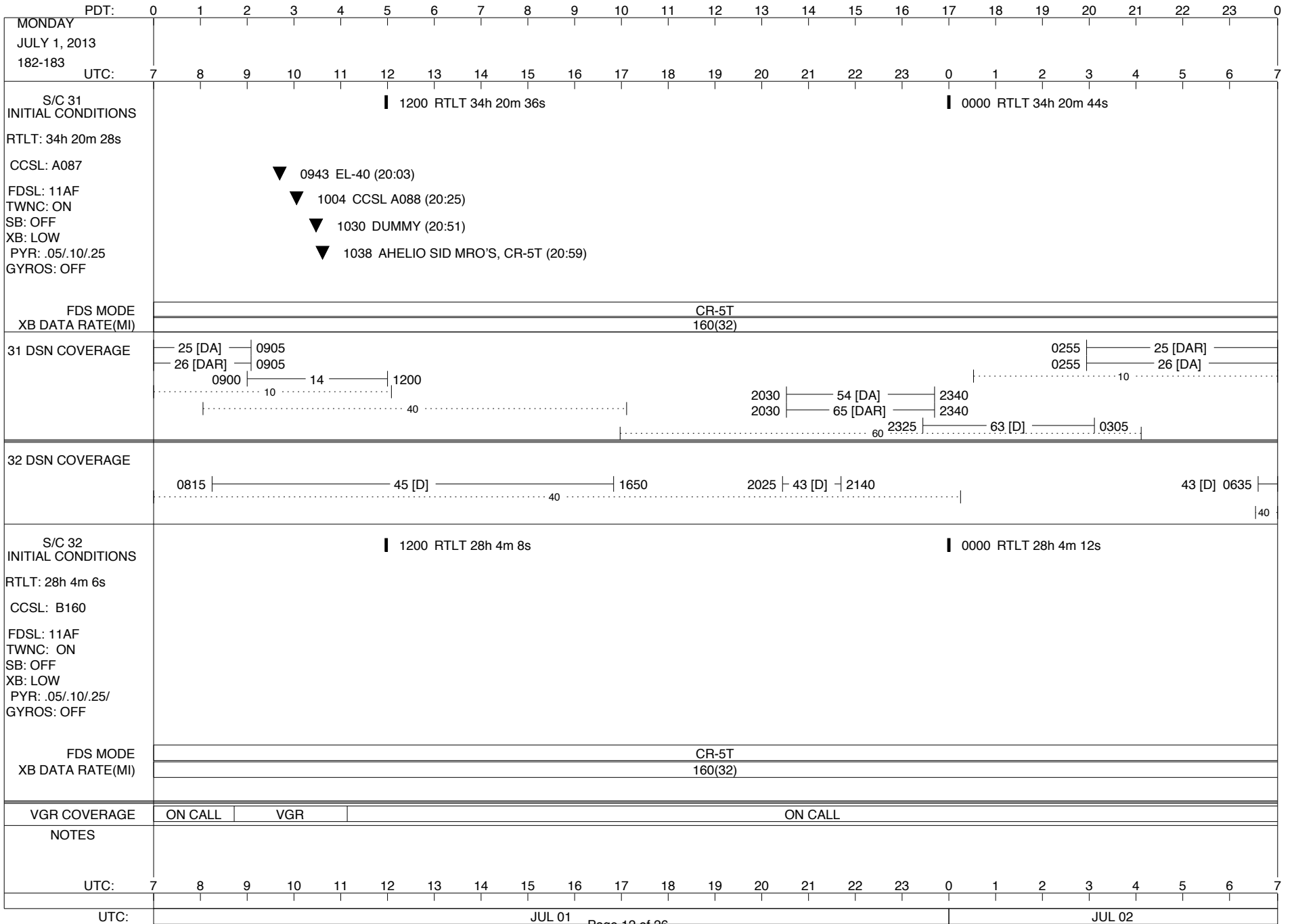
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THURSDAY JUNE 27, 2013 178-179																										
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S/C 31 INITIAL CONDITIONS RTLTL: 34h 19m 28s CCSL: A087 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 34h 19m 34s</p> <p>1615  ----  1712 TAPPOS</p> <p>1918   1918 PWS/RH</p> <p>1929  ----  2039 TAPPOS</p> <p>* 0705 CCSTIM (FINE)</p> <p>* 0737 - 0740 CCSTIM (COARSE)</p> <p>↓ 1916 GS-4B 1918</p>												<p>0000 RTLT 34h 19m 42s</p>													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	<p>25 [DA] 1055</p> <p>26 [DAR] 1055</p> <p>10</p> <p>40</p> <p>60</p>												<p>10</p>													
32 DSN COVERAGE	<p>43 [D] 0720 - 1035</p> <p>1015</p> <p>34 [D] 1955</p> <p>40</p>												<p>40</p>													
S/C 32 INITIAL CONDITIONS RTLTL: 28h 3m 44s CCSL: B160 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	<p>1200 RTLT 28h 3m 46s</p>												<p>0000 RTLT 28h 3m 48s</p>													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1916 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:	JUN 27													JUN 28												

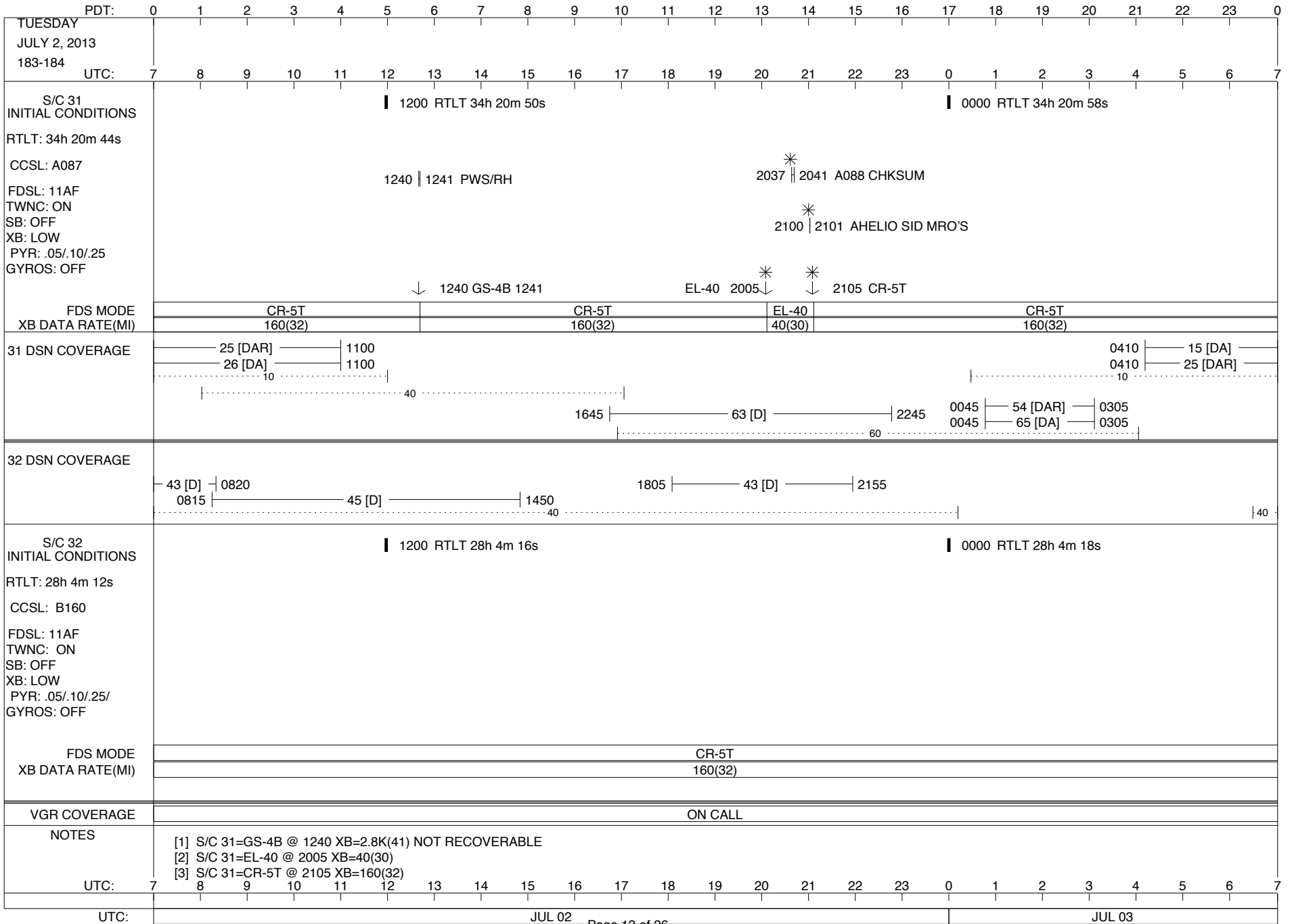
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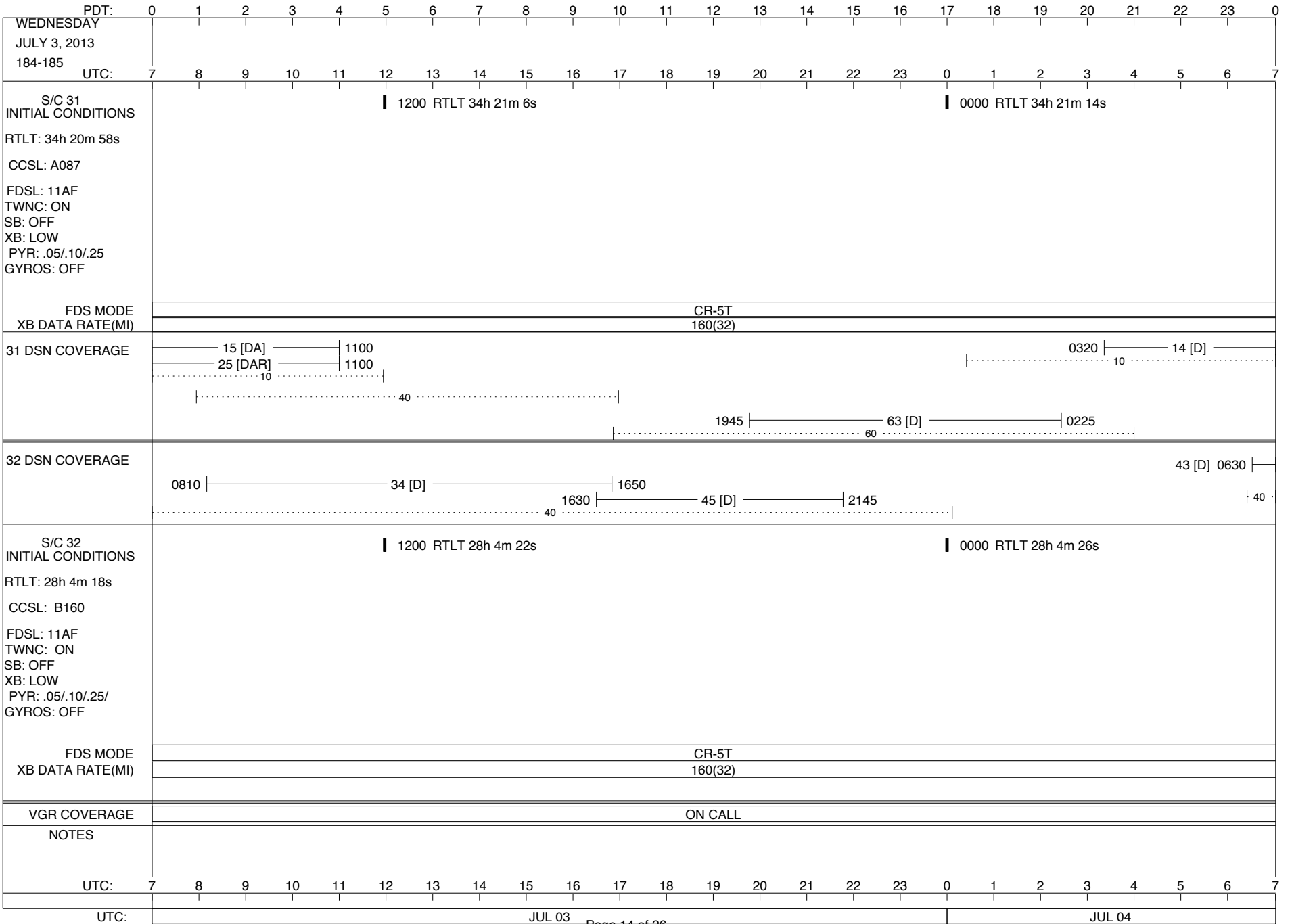


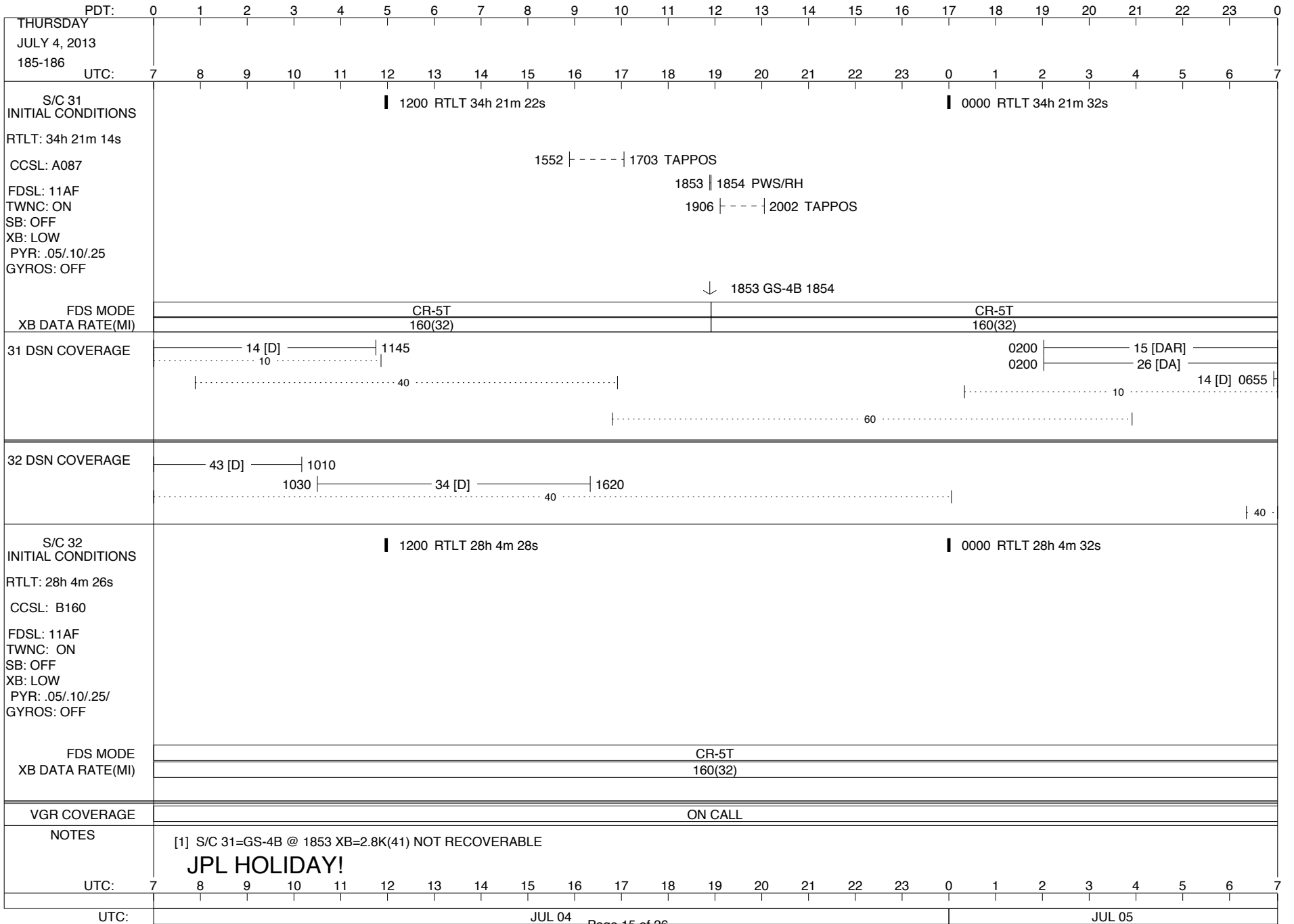




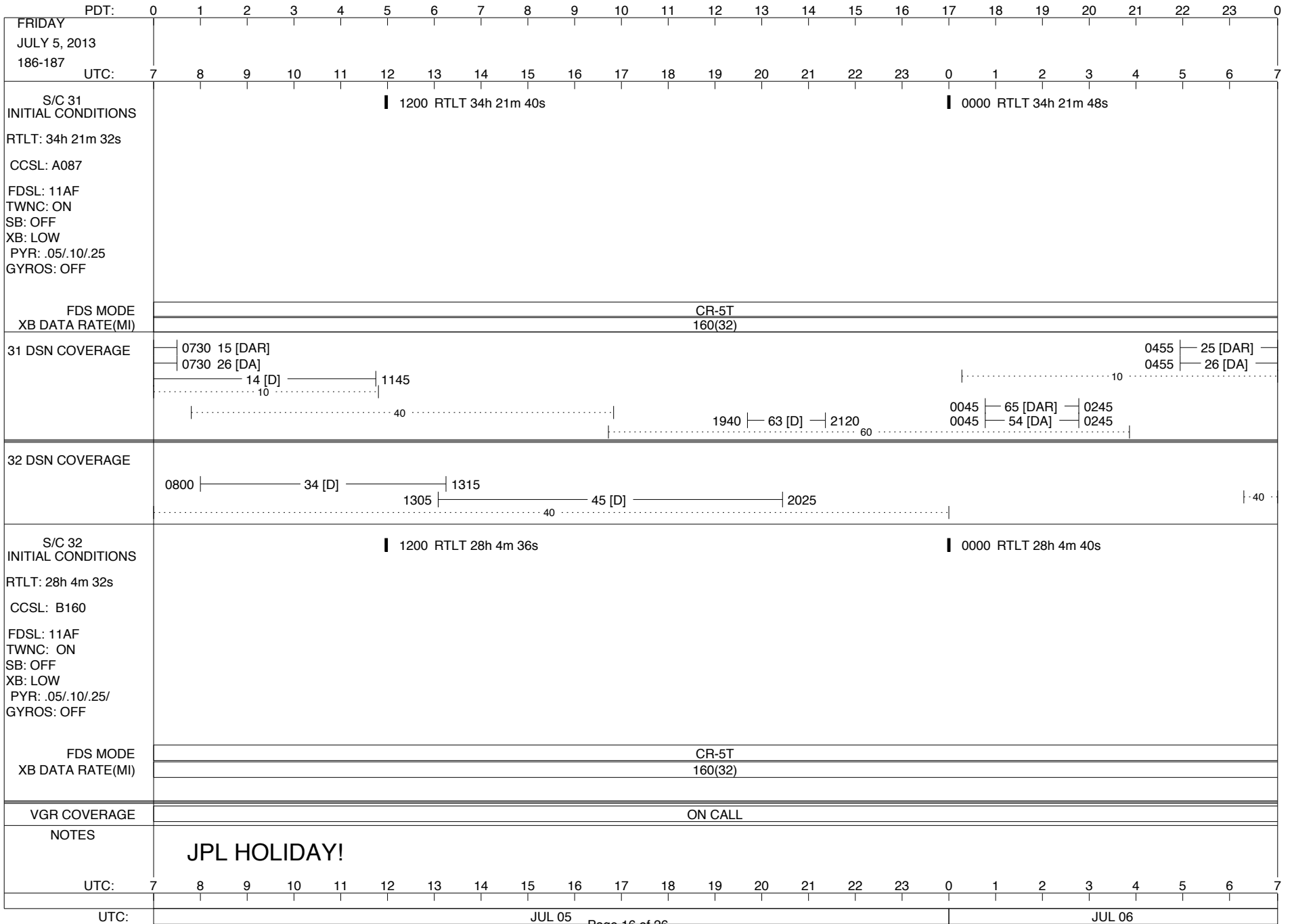


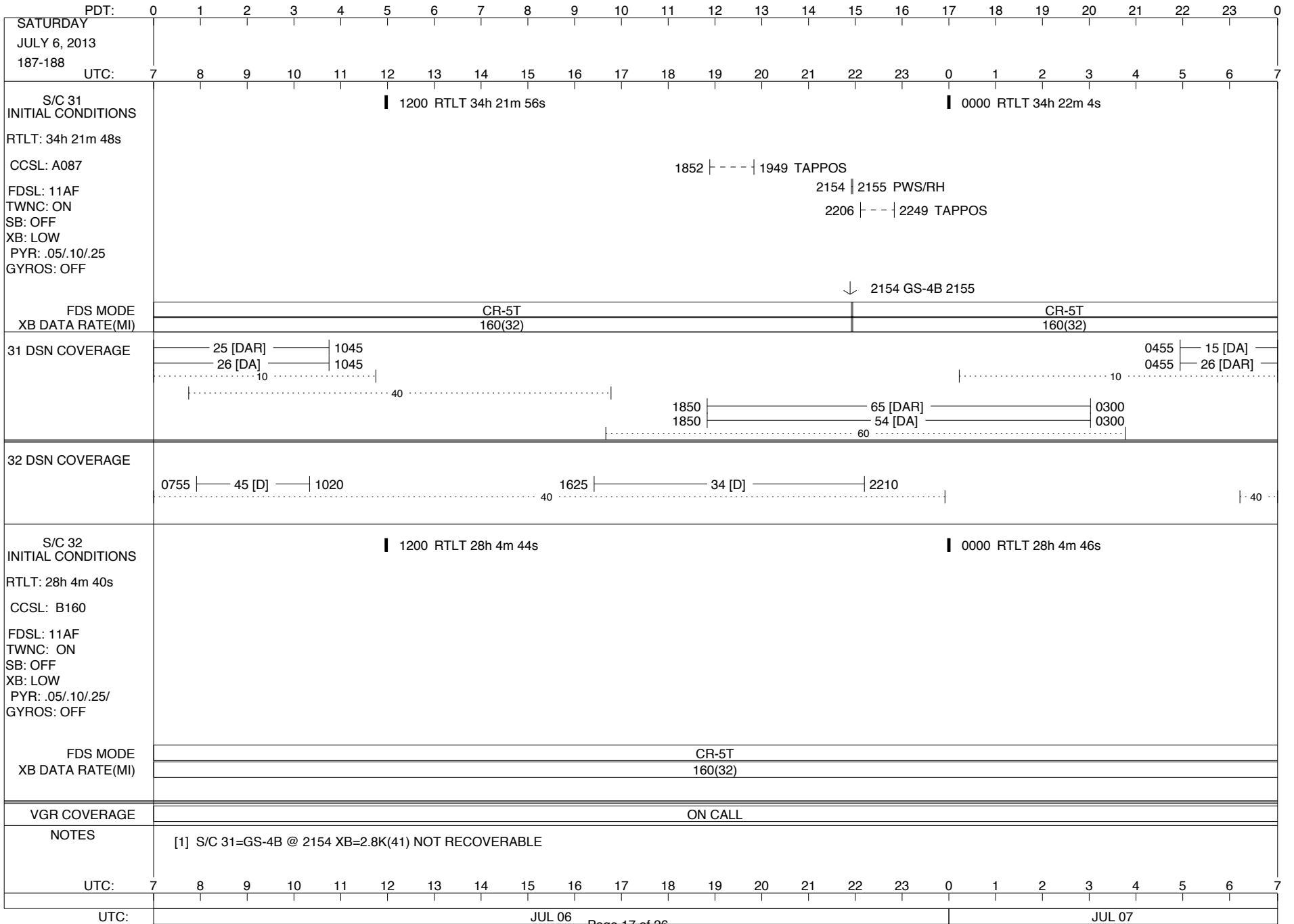












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S/C 31 INITIAL CONDITIONS RTLTL: 34h 22m 4s CCSL: A087 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 34h 22m 12s												0000 RTLT 34h 22m 20s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	15 [DA] ——— 1045 26 [DAR] ——— 1045 ..... 10 .....   ..... 40 ..... ..... 1715 ..... 63 [T1] ..... 2025 ..... ..... 60 .....												0345   15 [DA]   0545 0345   26 [DAR]   ..... 0545   25 [DA] ..... ..... 10 .....													
32 DSN COVERAGE	1100   ..... 34 [D] ..... 2020 ..... ..... 40 .....												..... 40 .....													
S/C 32 INITIAL CONDITIONS RTLTL: 28h 4m 46s CCSL: B160 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	1200 RTLT 28h 4m 50s												0000 RTLT 28h 4m 54s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] A088 1ST 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:	JUL 07														JUL 08											

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

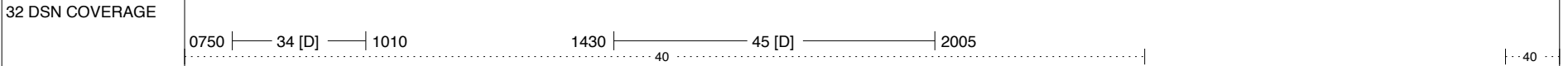
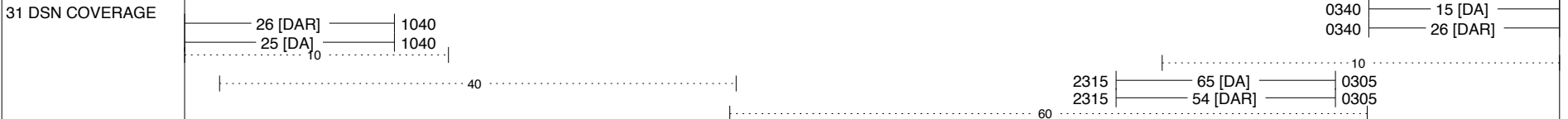
MONDAY  
JULY 8, 2013  
189-190  
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

S/C 31  
INITIAL CONDITIONS  
RTLTL: 34h 22m 20s  
CCSL: A087  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25  
GYROS: OFF

1200 RTLTL 34h 22m 30s | 0000 RTLTL 34h 22m 38s

TLC (SHORT-FORM) ----- D/L

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



S/C 32  
INITIAL CONDITIONS  
RTLTL: 28h 4m 54s  
CCSL: B160  
FDSL: 11AF  
TWNC: ON  
SB: OFF  
XB: LOW  
PYR: .05/.10/.25/  
GYROS: OFF

1200 RTLTL 28h 4m 58s | 0000 RTLTL 28h 5m 2s

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

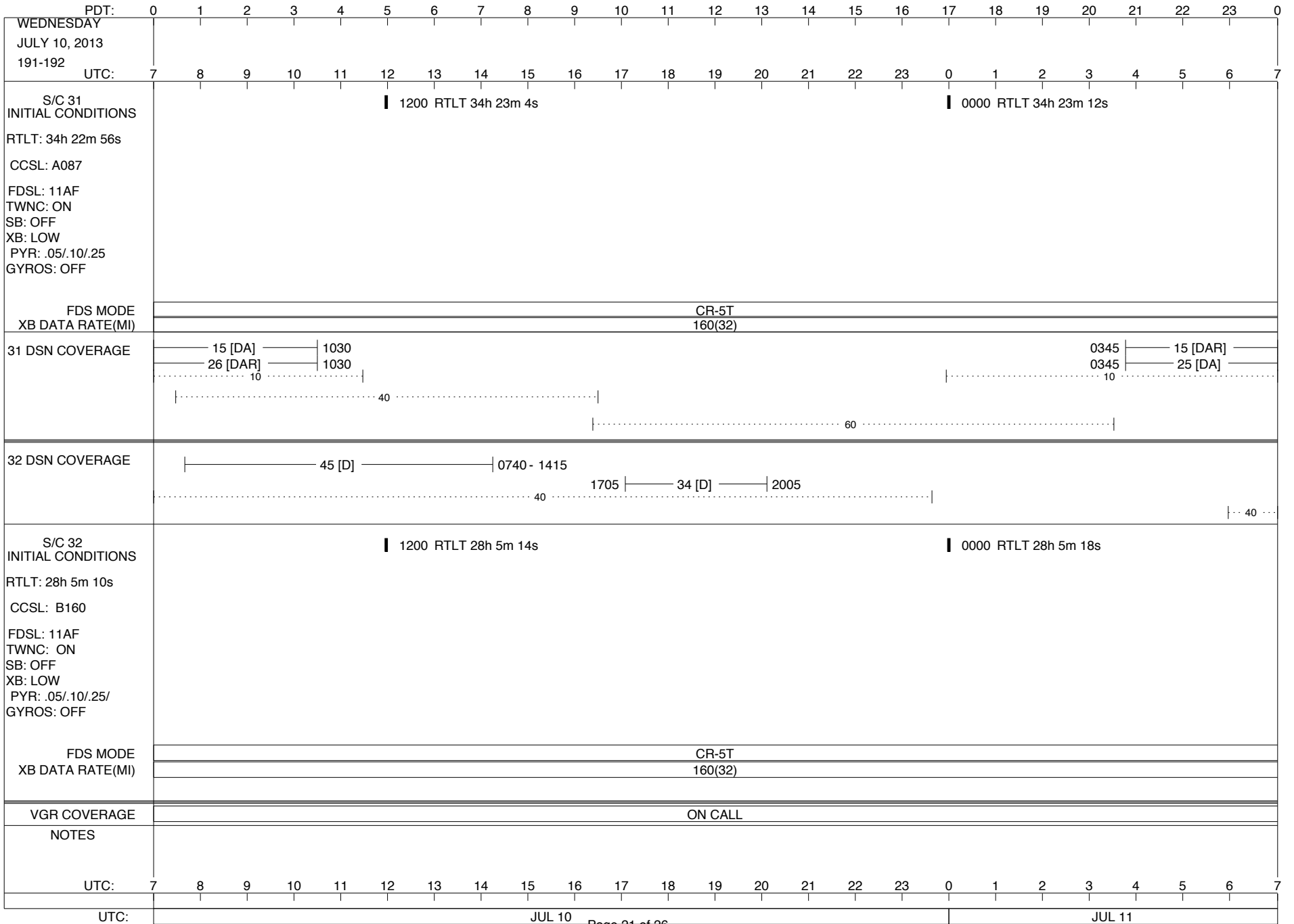
VGR COVERAGE ON CALL

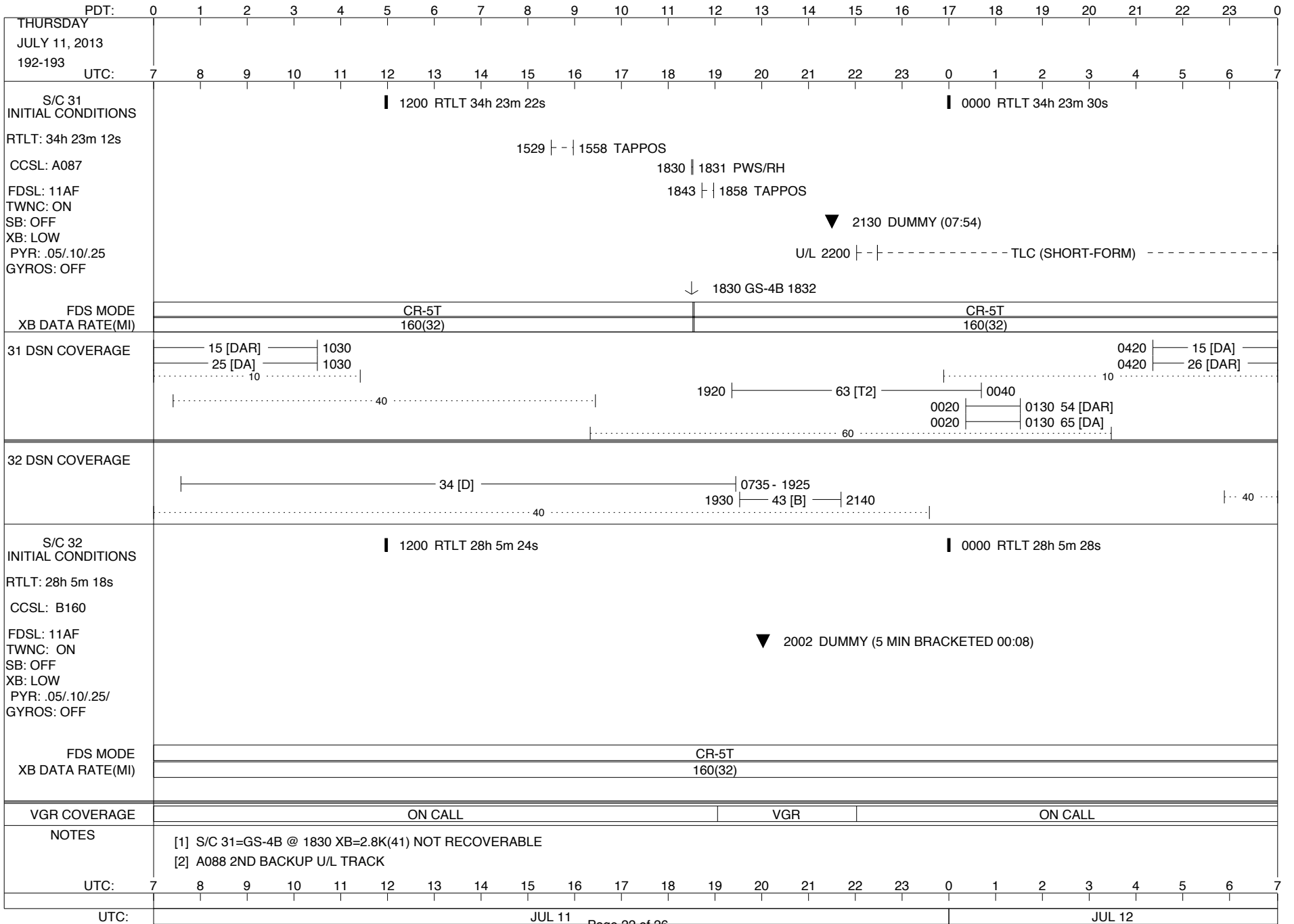
NOTES

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: JUL 08 | Page 19 of 26 | JUL 09

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 JULY 9, 2013 190-191																									
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S/C 31 INITIAL CONDITIONS RTLTL: 34h 22m 38s CCSL: A087 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 34h 22m 46s												█ 0000 RTLTL 34h 22m 56s												
D/L   0745	1217   1218 PWS/RH																								
	↓ 1217 GS-4B 1218																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	0720 15 [DA]   1035   0350   15 [DA]												0350   26 [DAR]   1035   0350   26 [DAR]												
	25 [DA]   0720 - 1035												10												
	10												40												
	40												60												
32 DSN COVERAGE	0755   45 [D]   1225   1630   34 [D]   1955												40												
S/C 32 INITIAL CONDITIONS RTLTL: 28h 5m 2s CCSL: B160 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25/ GYROS: OFF	█ 1200 RTLTL 28h 5m 6s												█ 0000 RTLTL 28h 5m 10s												
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 @ 1217 XB=2.8K(41) NOT RECOVERABLE																								
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UTC:	JUL 09												JUL 10												





ISSUE DATE: 06/25/13 20:38

