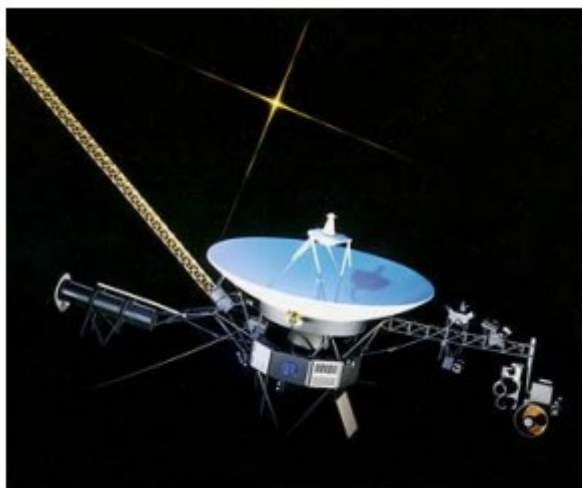


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: April 17, 2019

For the Period: 04/18/19 to 05/06/19 (19/108 – 19/126)



Posted at <https://voyager.jpl.nasa.gov/mission/status/>

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

02/27/19

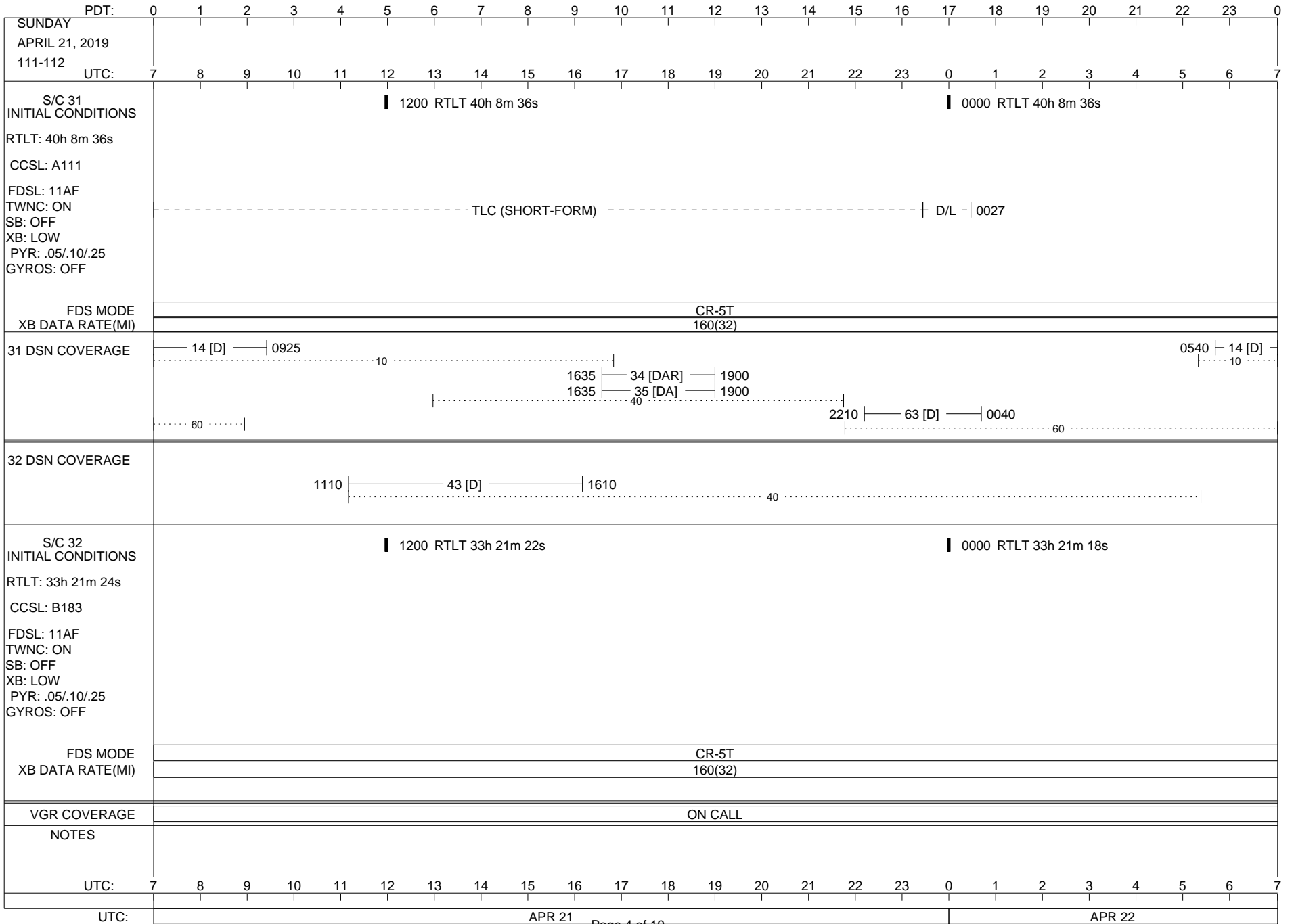
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THURSDAY																													
APRIL 18, 2019																													
108-109																													
UTC:		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS		1200 RTLT 40h 8m 38s														0000 RTLT 40h 8m 36s													
RTLTL: 40h 8m 38s																													
CCSL: A111																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE		CR-5T														CR-5T													
XB DATA RATE(MI)		160(32)														160(32)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS		1200 RTLT 33h 21m 36s														0000 RTLT 33h 21m 34s													
RTLTL: 33h 21m 38s																													
CCSL: B183																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
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 @ 2300 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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ISSUE DATE: 04/17/19 08:25

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SATURDAY APRIL 20, 2019 110-111	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: 40h 8m 36s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 8m 36s												0000 RTLTL 40h 8m 36s												
U/L	TLC (SHORT-FORM)																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [T] 1310												0525 14 [D]												
	10 40												2155 63 [D] 0040												
	60												60												
32 DSN COVERAGE	1115 43 [D] 1520												2340 43 [B] 0320												
	40												40												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 21m 28s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 21m 26s												0000 RTLTL 33h 21m 24s												
	1216 - 1248 SHUNT POWER TEST												DUMMY (5 MIN BRACKETED 11:34) 0212 ▼												
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=GS-4B @ 0200 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:	APR 20												APR 21												

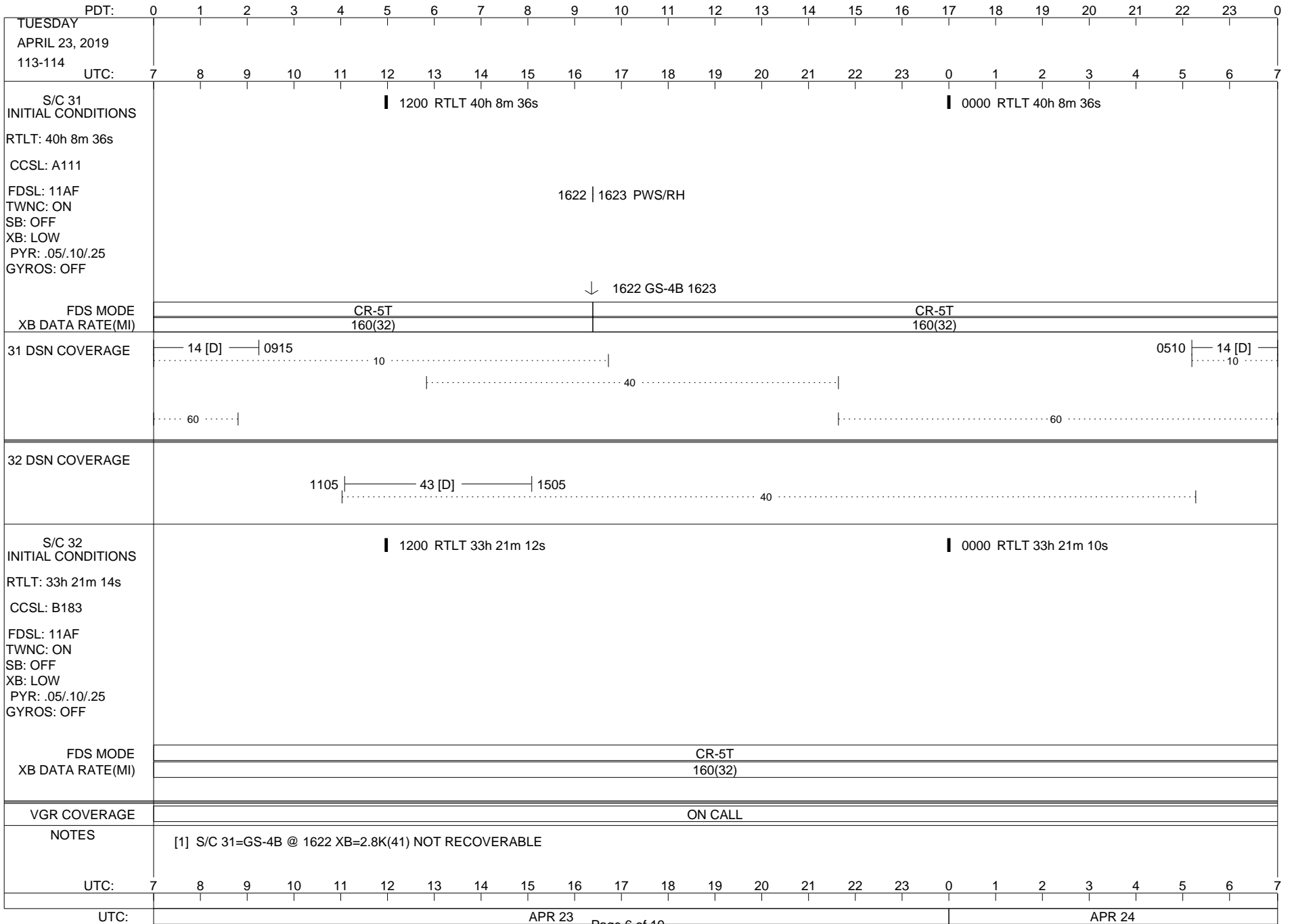
ISSUE DATE: 04/17/19 08:25



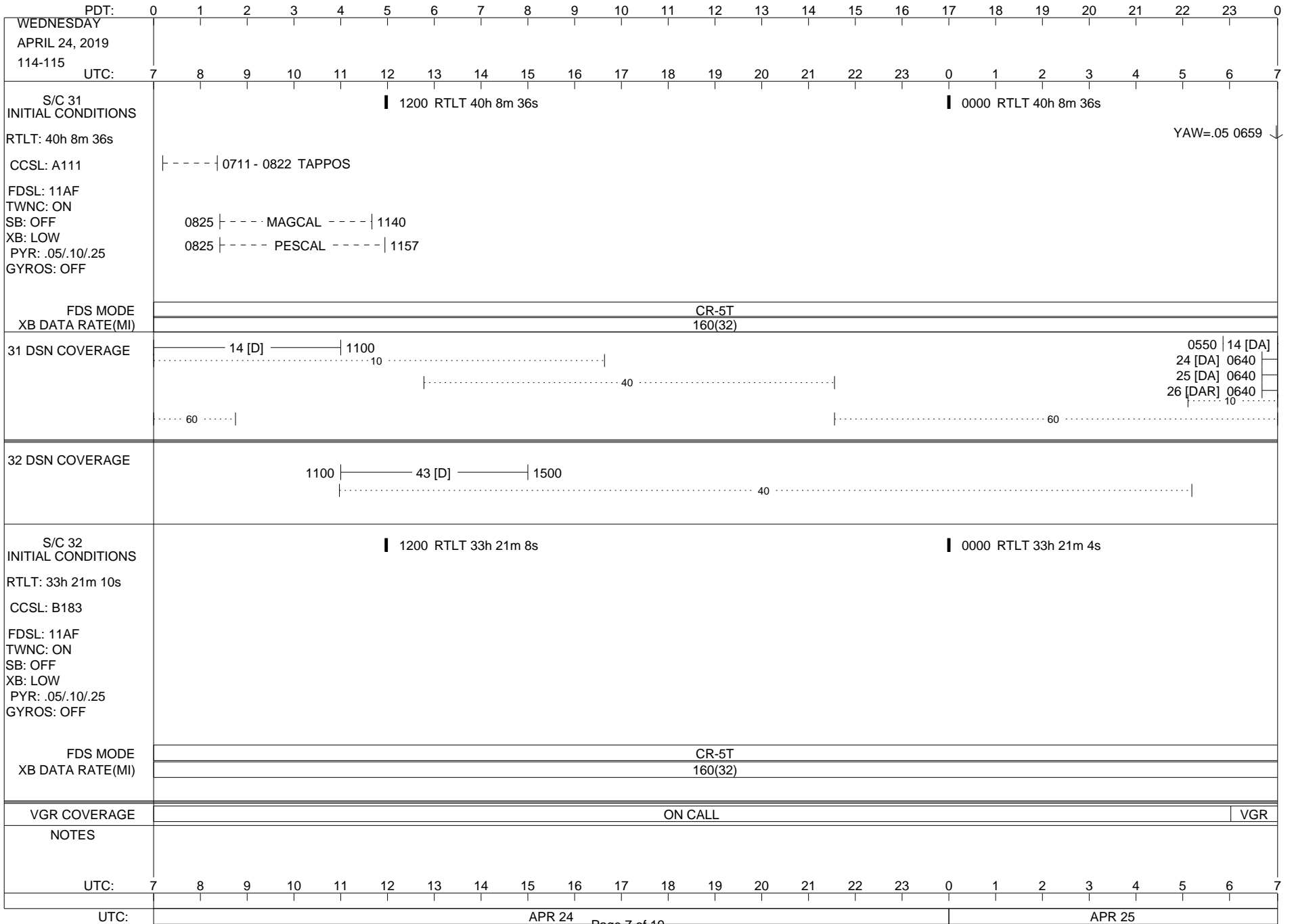
ISSUE DATE: 04/17/19 08:25

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S/C 31 INITIAL CONDITIONS RTLTL: 40h 8m 36s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 8m 36s												0000 RTLT 40h 8m 36s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0955												0515 14 [D]												
32 DSN COVERAGE	1110 43 [D] 1510																								
S/C 32 INITIAL CONDITIONS RTLTL: 33h 21m 18s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 21m 16s												0000 RTLT 33h 21m 14s												
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:	APR 22												APR 23												

ISSUE DATE: 04/17/19 08:25



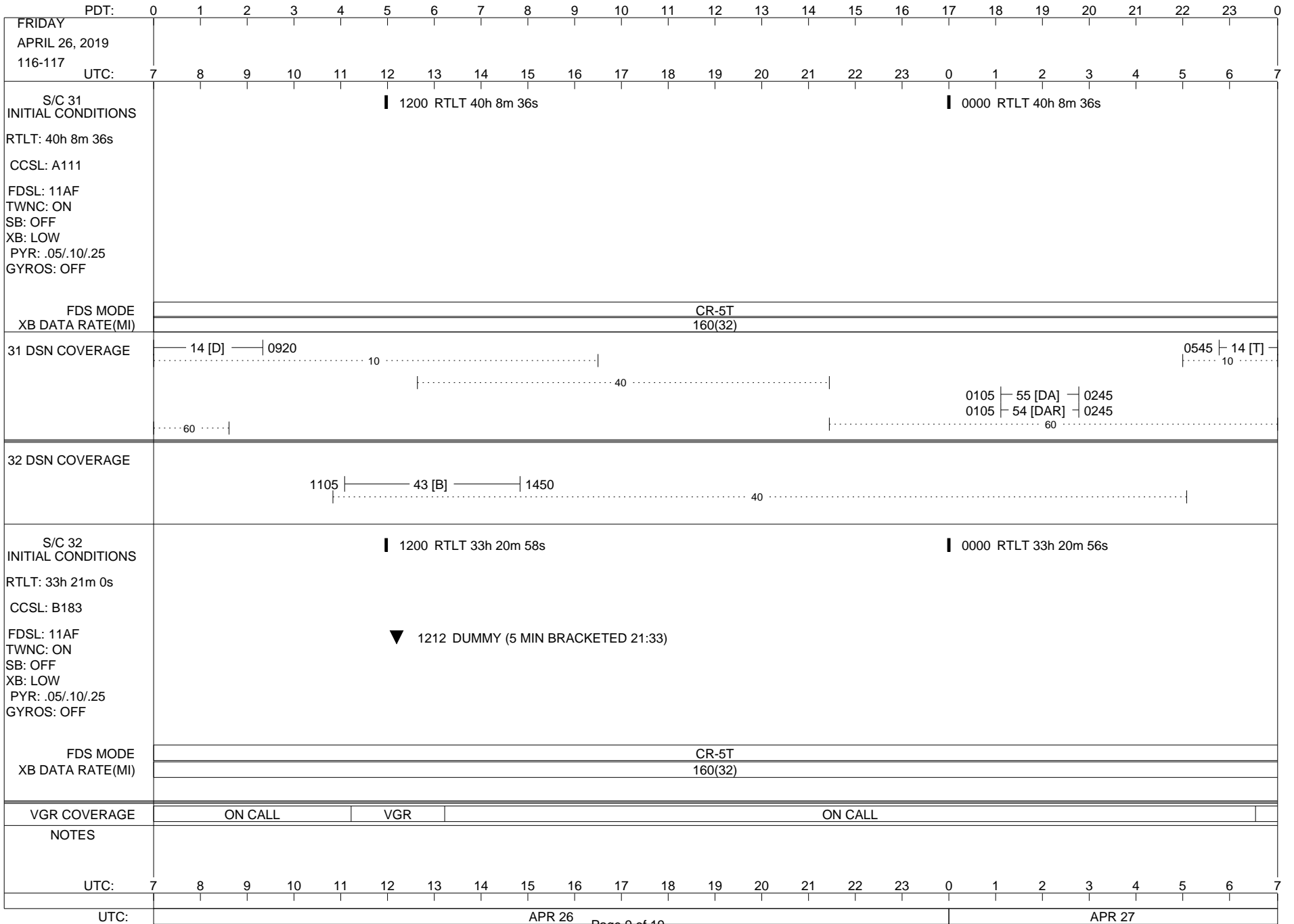
ISSUE DATE: 04/17/19 08:25



ISSUE DATE: 04/17/19 08:25

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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		
THURSDAY APRIL 25, 2019 115-116																											
S/C 31 INITIAL CONDITIONS RTLTL: 40h 8m 36s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.05/.25 GYROS: OFF	1200 RTLT 40h 8m 36s													0000 RTLT 40h 8m 36s													
	0703 BAY 1 HTR OFF 0707 X/B HI POWER PLAYBACK ----- 0708 - 1343 1357 YAW=.10 1401 X/B LOW POWER 1405 BAY 1 HTR ON													1933 ----- 2044 TAPPOS 2236 2236 PWS/RH 2247 ----- 2344 TAPPOS TAPPOS 0531 0534 CCSTIMB FINE 0652 - 0659													
FDS MODE XB DATA RATE(MI)	PB-14 1.4K(39)						CR-5T 160(32)						CR-5T 160(32)														
31 DSN COVERAGE	14 [DA] ----- 1445 24 [DA] ----- 1345 25 [DA] ----- 1345 26 [DA] ----- 1345 60 ----- 10 ----- 40 -----													0520 ----- 14 [D] ----- 10 ----- 0040 ----- 65 [DAR] ----- 0315 0040 ----- 55 [DA] ----- 0315 60 -----													
32 DSN COVERAGE	1055 ----- 43 [D] ----- 1455 40 -----																										
S/C 32 INITIAL CONDITIONS RTLTL: 33h 21m 4s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 21m 2s													0000 RTLT 33h 21m 0s													
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
VGR COVERAGE	VGR													ON CALL													
NOTES	[1] S/C 31=PB-14 @ 0708 XB=1.4K(39) [2] S/C 31=GS-4B @ 2236 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:	APR 25													APR 26													

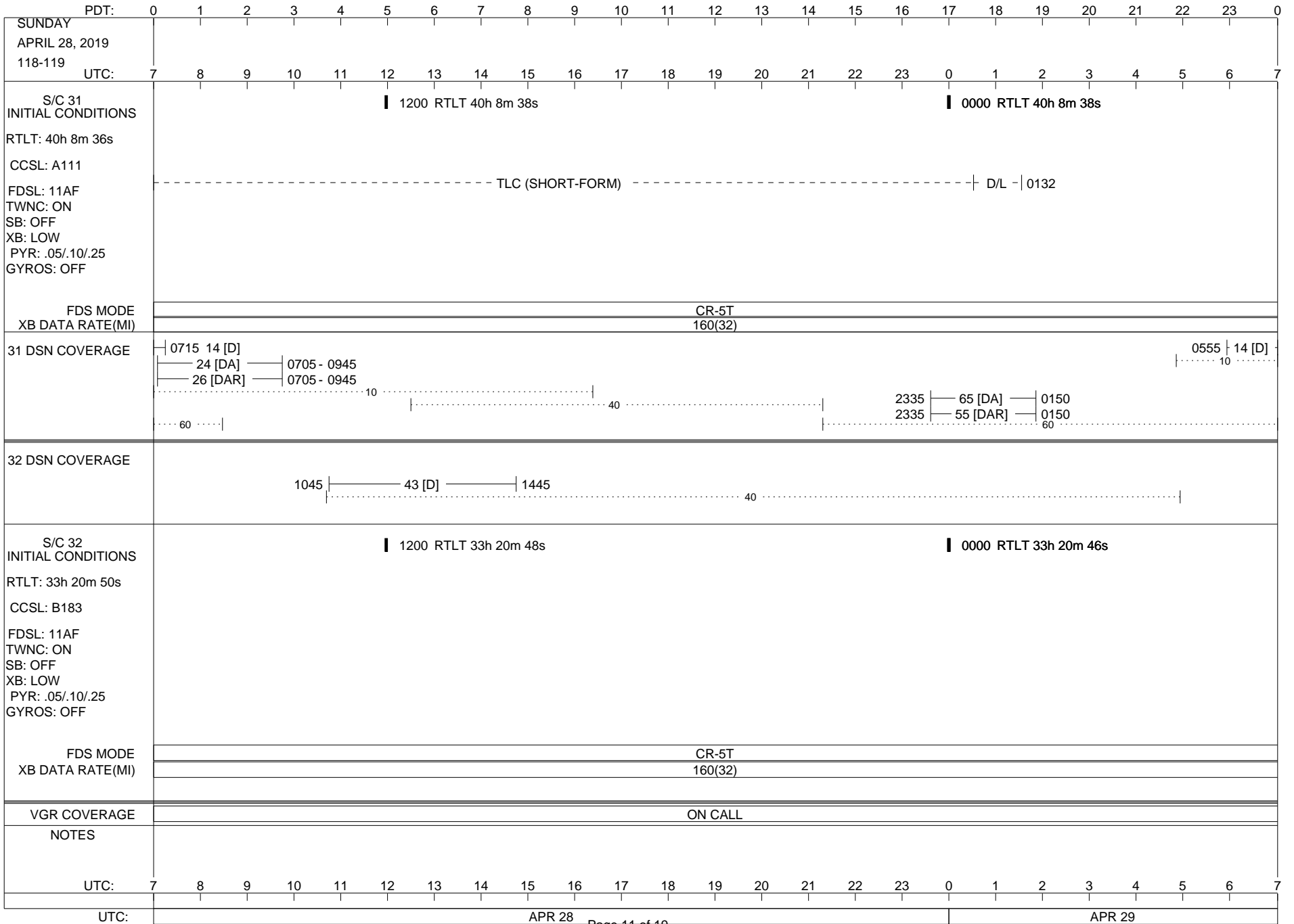
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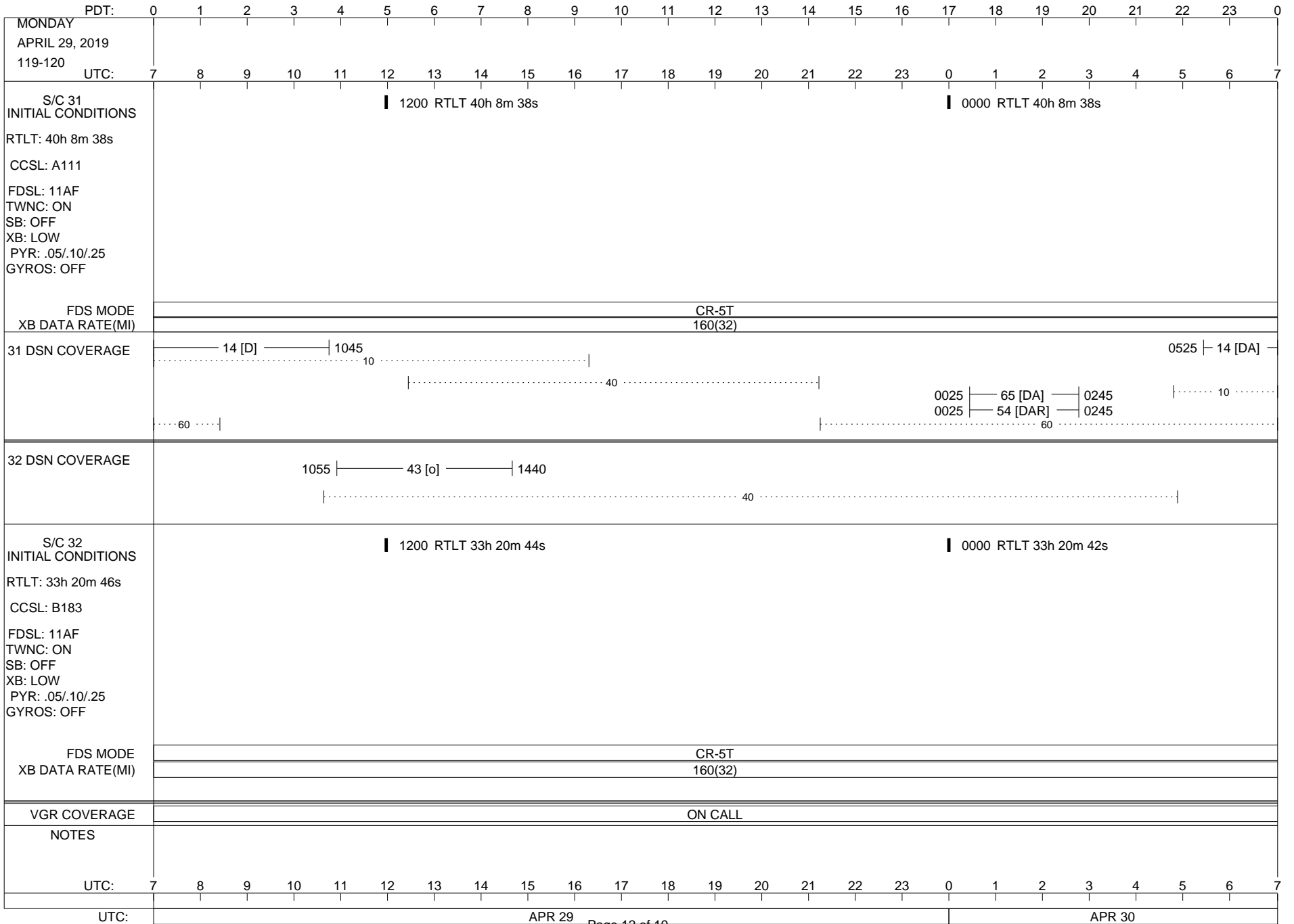
ISSUE DATE: 04/17/19 08:25

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SATURDAY APRIL 27, 2019 117-118	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: 40h 8m 36s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 40h 8m 36s												0000 RTLTL 40h 8m 36s												
U/L 0755 -	----- TLC (SHORT-FORM) -----												2233 - - - 2327 TAPPOS 0136 0136 PWS/RH 0147 - - 0227 TAPPOS ↓ 0136 GS-4B 0136												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [T] 1035 40 60												0535 14 [D] 10 0105 65 [DAR] 0245 10 0105 54 [DA] 0245 60												
32 DSN COVERAGE	1050 43 [D] 1250 40												2000 43 [D] 0000 40												
S/C 32 INITIAL CONDITIONS RTLTL: 33h 20m 56s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 33h 20m 54s												0000 RTLTL 33h 20m 50s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	VGR												ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0136 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:	APR 27												APR 28												

ISSUE DATE: 04/17/19 08:25



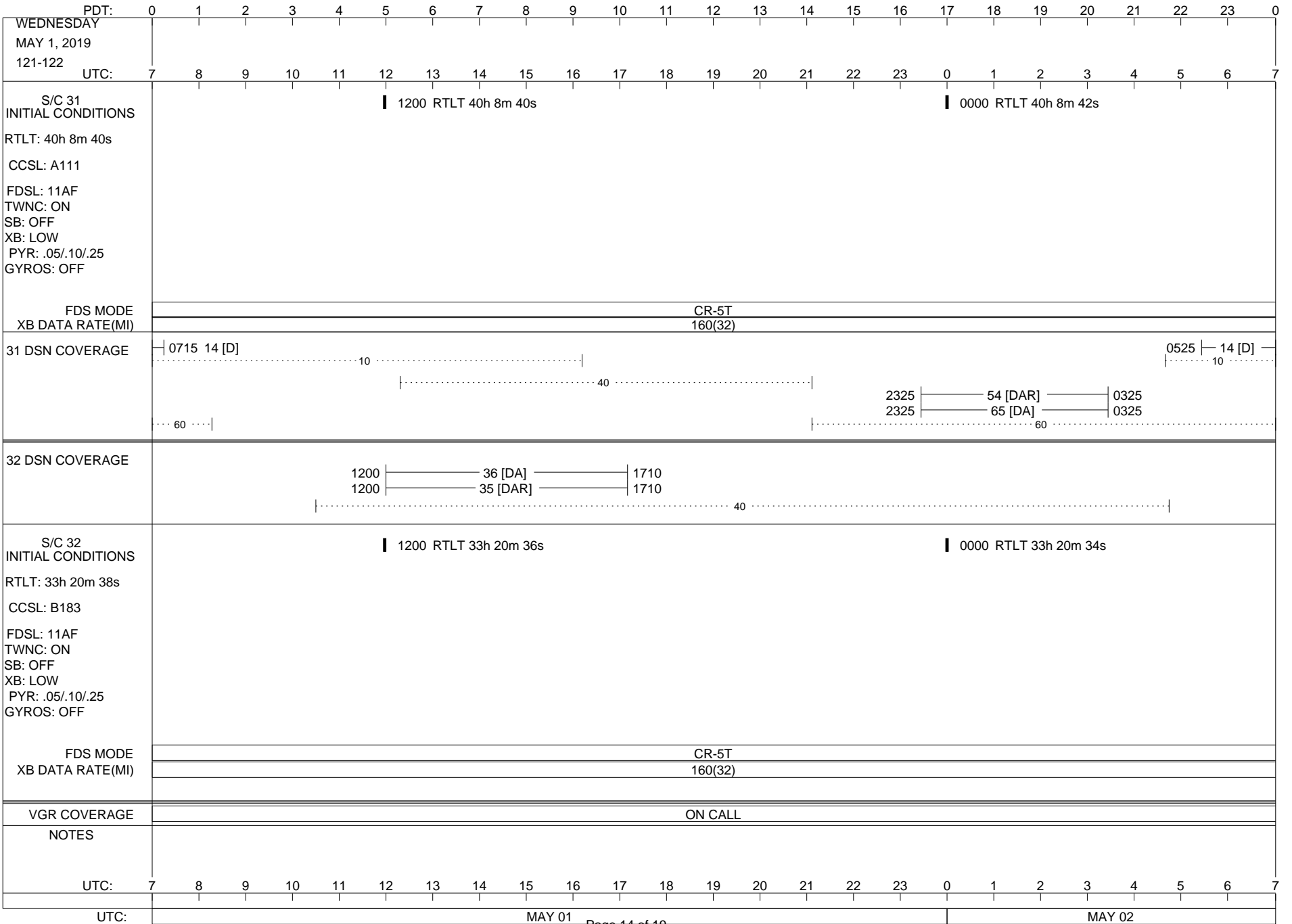
ISSUE DATE: 04/17/19 08:25



ISSUE DATE: 04/17/19 08:25

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 APRIL 30, 2019 120-121									
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: 40h 8m 38s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 40h 8m 40s</p> <p>0919 YAW=.05, ROLL=.05</p> <p>0923 - 0956 SSB ASCAL</p> <p>0956 YAW=.10, ROLL=.25</p> <p>1558 1559 PWS/RH</p> <p>0858 EL-40 1000</p> <p>1558 GS-4B 1559</p>								
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T</td> <td>EL-40</td> <td>CR-5T</td> <td>CR-5T</td> </tr> <tr> <td>160(32)</td> <td>40(30)</td> <td>160(32)</td> <td>160(32)</td> </tr> </table>	CR-5T	EL-40	CR-5T	CR-5T	160(32)	40(30)	160(32)	160(32)
CR-5T	EL-40	CR-5T	CR-5T						
160(32)	40(30)	160(32)	160(32)						
31 DSN COVERAGE	<p>14 [DA] 1035</p> <p>0835 25 [DAR] 1000</p> <p>0835 26 [DA] 1000</p> <p>10</p> <p>40</p> <p>2330 55 [DAR] 0425</p> <p>2330 65 [DA] 0425</p> <p>60</p> <p>0535 14 [D] </p> <p>10</p>								
32 DSN COVERAGE	<p>1515 43 [D] 2230</p> <p>40</p>								
S/C 32 INITIAL CONDITIONS RTLT: 33h 20m 42s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p>1200 RTLT 33h 20m 40s</p> <p>0000 RTLT 33h 20m 38s</p> <p>1747 PLSCAL - 1930</p> <p>1747 --- MAGCAL --- 2050</p> <p>1747 --- PESCAL --- 2107</p>								
FDS MODE XB DATA RATE(MI)	<table border="1"> <tr> <td>CR-5T</td> </tr> <tr> <td>160(32)</td> </tr> </table>	CR-5T	160(32)						
CR-5T									
160(32)									
VGR COVERAGE	<table border="1"> <tr> <td>ON CALL</td> <td>VGR</td> <td>ON CALL</td> </tr> </table>	ON CALL	VGR	ON CALL					
ON CALL	VGR	ON CALL							
NOTES	<p>[1] S/C 31=EL-40 @ 0858 XB=40(30)</p> <p>[2] S/C 31=GS-4B @ 1558 XB=2.8K(41) NOT RECOVERABLE</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: APR 30 MAY 01									

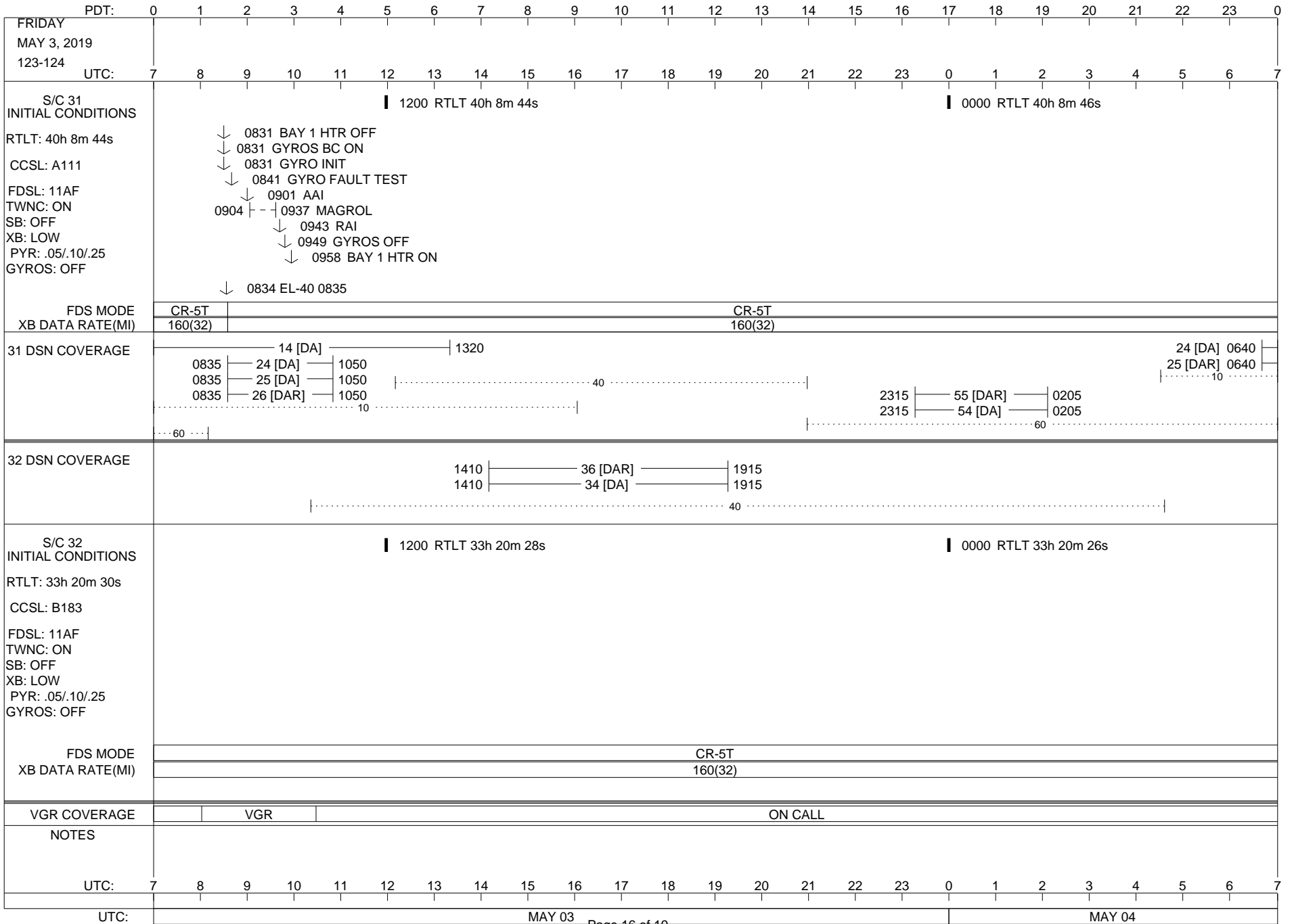
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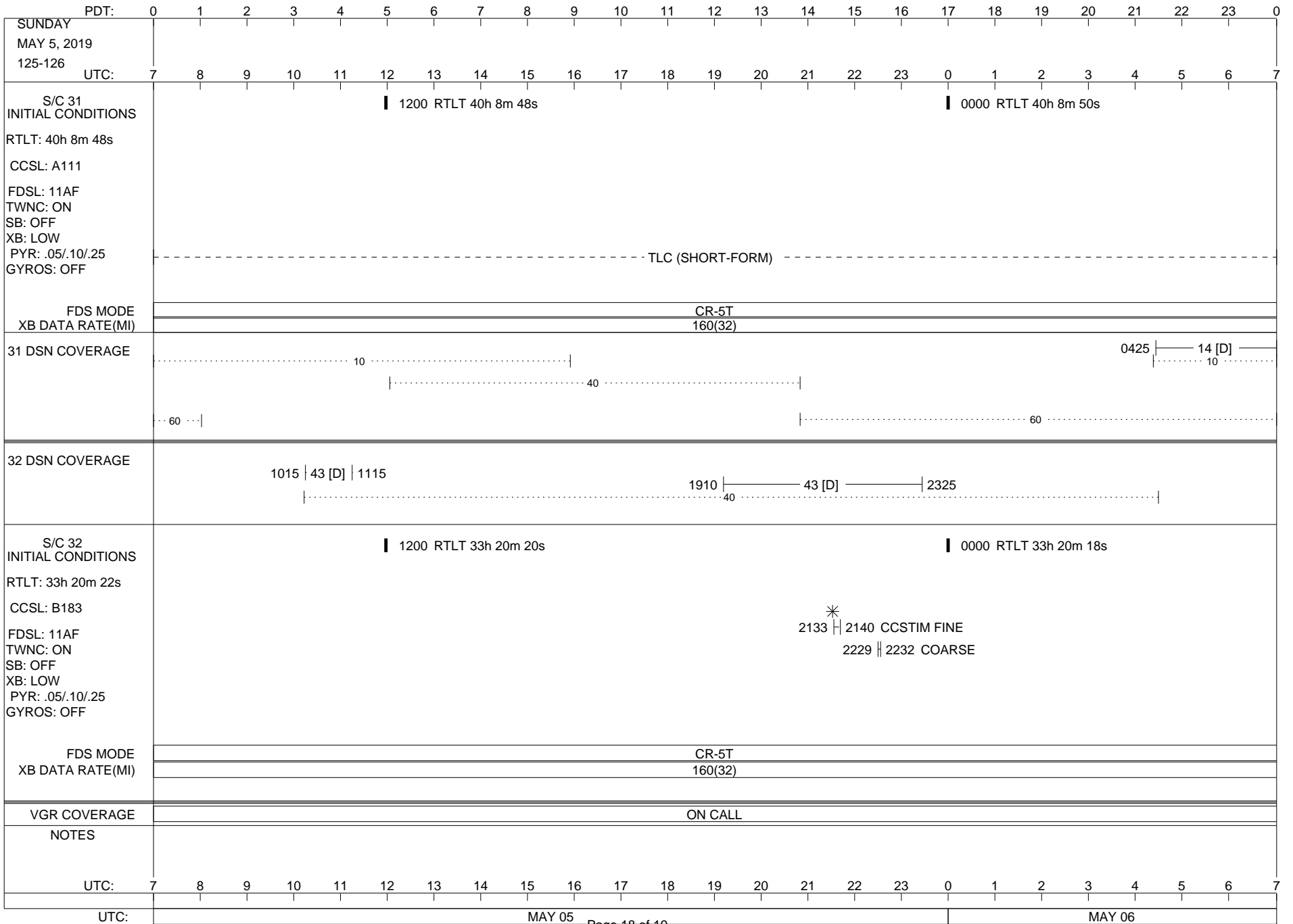
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THURSDAY MAY 2, 2019 122-123																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 40h 8m 42s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 40h 8m 42s												█ 0000 RTLT 40h 8m 44s							
FDS MODE XB DATA RATE(MI)							CR-5T 160(32)												CR-5T 160(32)						
31 DSN COVERAGE	0710 14 [D]																								0535 14 [DA]
32 DSN COVERAGE																									
S/C 32 INITIAL CONDITIONS RTLT: 33h 20m 34s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 33h 20m 32s													█ 0000 RTLT 33h 20m 30s						
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:																									

ISSUE DATE: 04/17/19 08:25



ISSUE DATE: 04/17/19 08:25

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			
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			
SATURDAY MAY 4, 2019 124-125																												
S/C 31 INITIAL CONDITIONS RTLT: 40h 8m 46s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 8m 46s														0000 RTLT 40h 8m 48s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	<p>24 [DA] 1100 0540 - 0655 14 [T]</p> <p>25 [DAR] 1100 10</p> <p>60</p> <p>40</p> <p>2315 55 [DAR] 0315</p> <p>2315 65 [DA] 0315 60</p>																											
32 DSN COVERAGE	<p>1040 43 [H2] 1425 40</p>																											
S/C 32 INITIAL CONDITIONS RTLT: 33h 20m 26s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 20m 24s														0000 RTLT 33h 20m 22s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
VGR COVERAGE	ON CALL							VGR							ON CALL							VGR						
NOTES	<p>[1] S/C 31=GS-4B @ 0111 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] DSS-43 HP TXR DRV ON >= 11:45</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 04														MAY 05													



ISSUE DATE: 04/17/19 08:25

