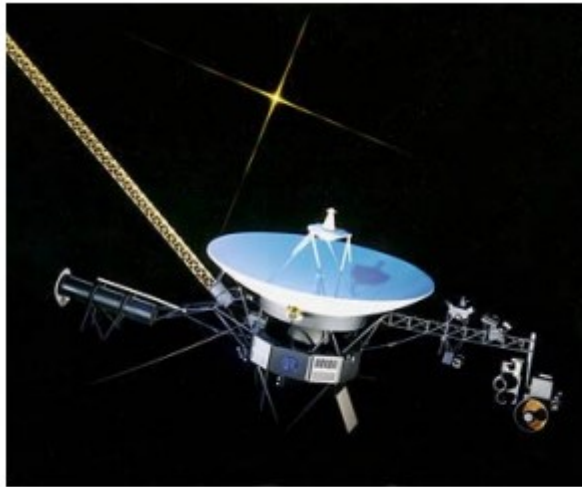


VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: April 24, 2019

For the Period: 04/25/19 to 05/13/19 (19/115 – 19/133)



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

LEGEND:

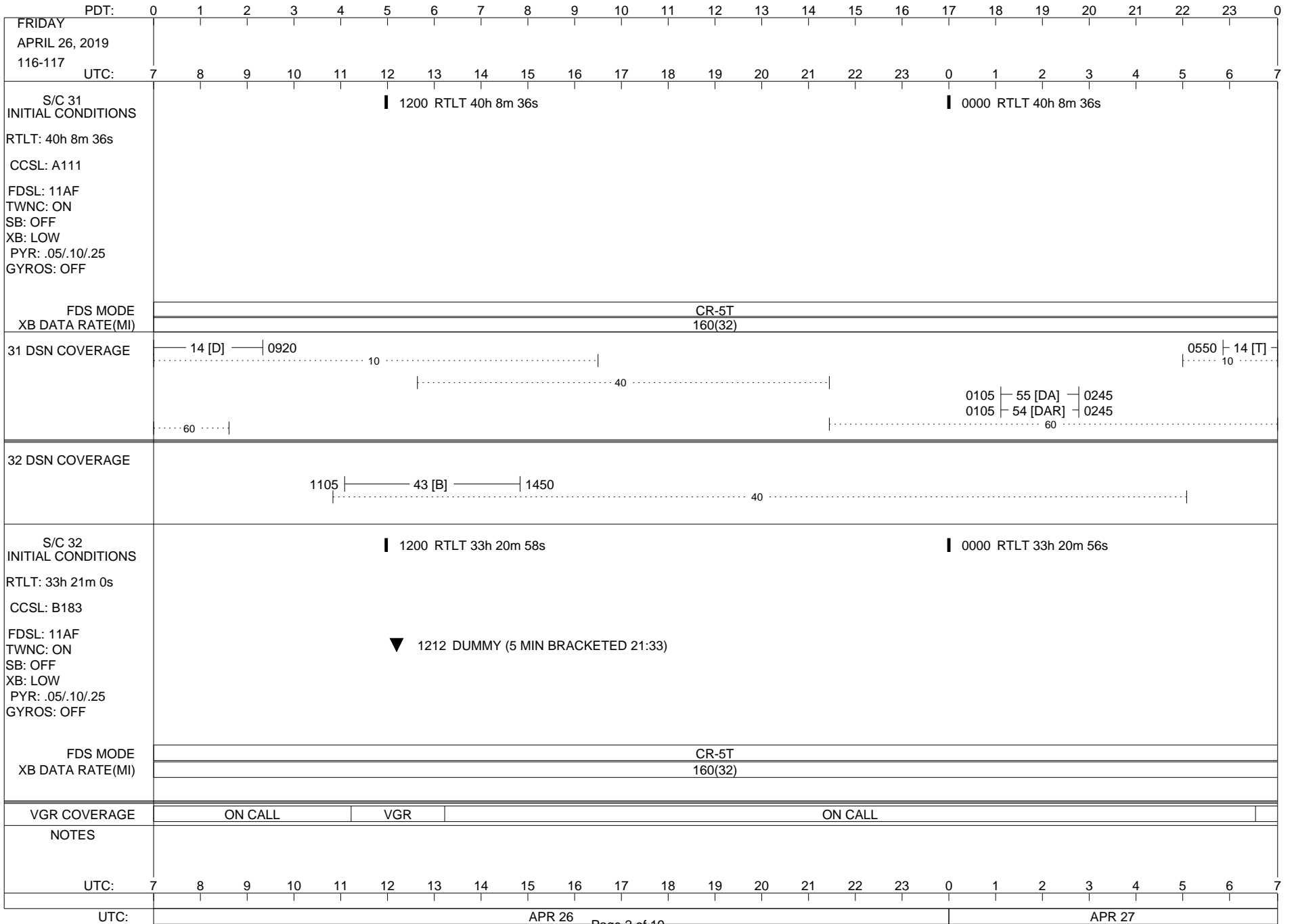
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

02/27/19

ISSUE DATE: 04/24/19 07:27

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											
THURSDAY APRIL 25, 2019 115-116	S/C 31 INITIAL CONDITIONS RTLT: 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											
FDS MODE	PB-14												CR-5T												CR-5T											
XB DATA RATE(MI)	1.4K(39)												160(32)												160(32)											
31 DSN COVERAGE	14 [DA] 1445												1345												0520 14 [D] 10											
	24 [DA] 1345												1345												0040 65 [DAR] 0315											
	25 [DA] 1345												1345												0040 55 [DA] 0315											
	26 [DAR] 1345												1345												60											
32 DSN COVERAGE	1055 43 [D] 1455												40																							
S/C 32 INITIAL CONDITIONS RTLT: 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													CR-5T																							
XB DATA RATE(MI)													160(32)																							
VGR COVERAGE	ON/GRLL												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																							

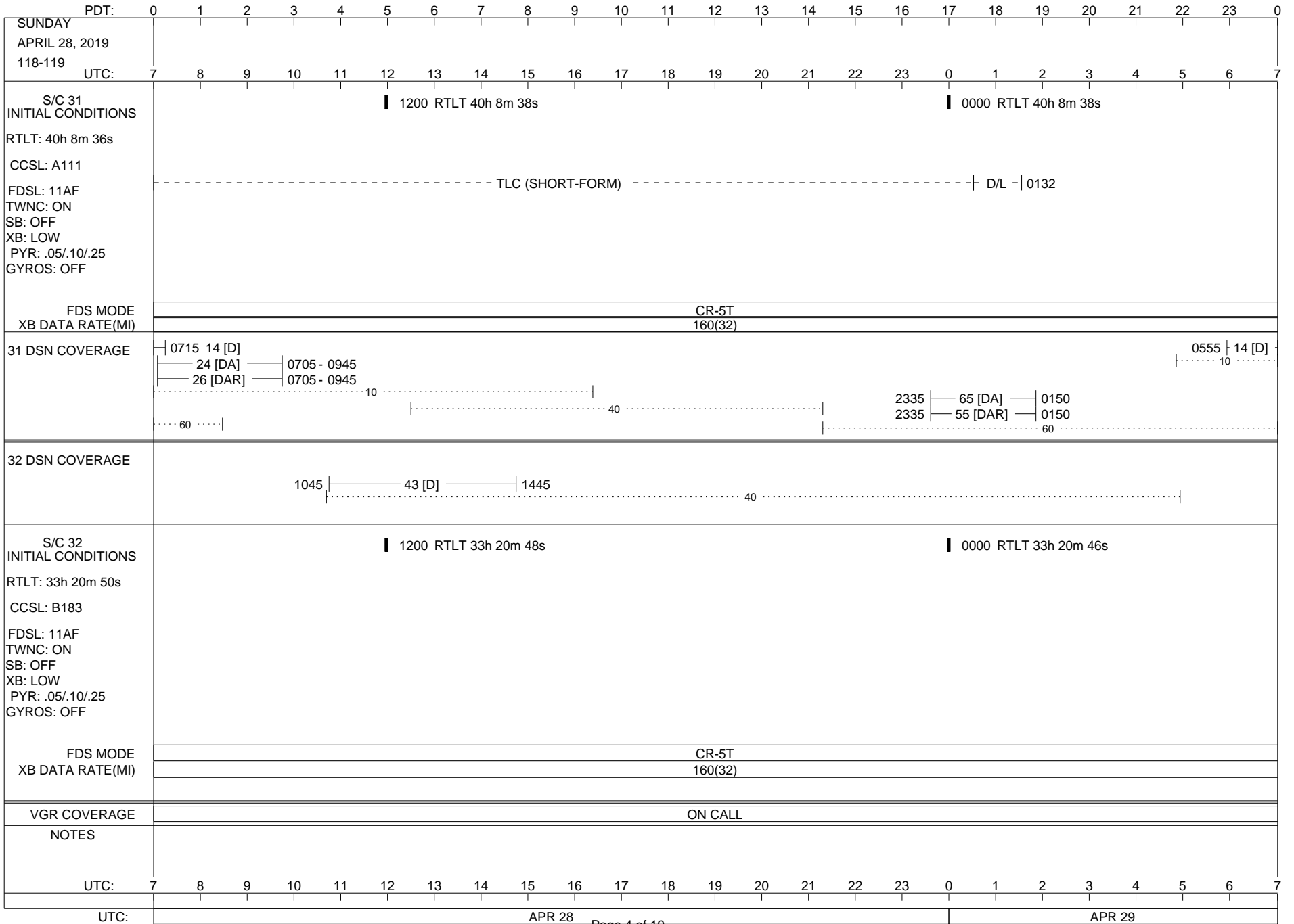
ISSUE DATE: 04/24/19 07:27



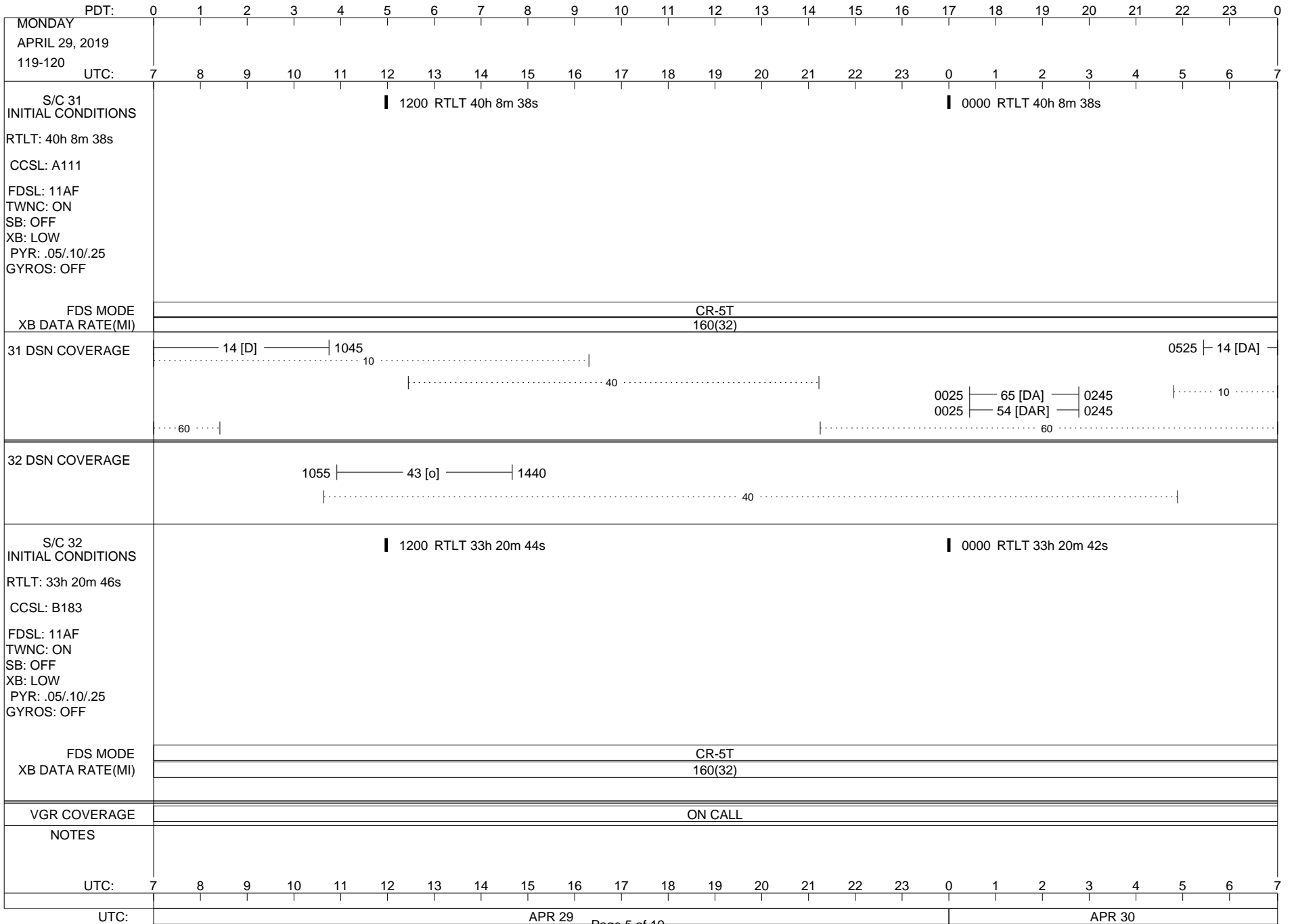
ISSUE DATE: 04/24/19 07:27

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																											
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	0	
S/C 31 INITIAL CONDITIONS RTLT: 40h 8m 36s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF														1200 RTLT 40h 8m 36s													
U/L 0755 | - |														TLC (SHORT-FORM)													
FDS MODE														CR-5T							CR-5T						
XB DATA RATE(MI)														160(32)							160(32)						
31 DSN COVERAGE														0535 | - 14 [D] |													
14 [T] | 1035														10													
60														40													
0105 | 65 [DAR] | 0245														10													
0105 | 54 [DA] | 0245														60													
32 DSN COVERAGE														1050 | 43 [D] | 1250													
2000 | 43 [D] | 0000														40													
S/C 32 INITIAL CONDITIONS RTLT: 33h 20m 56s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF														1200 RTLT 33h 20m 54s													
FDS MODE														CR-5T													
XB DATA RATE(MI)														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	0	
UTC:														APR 27							APR 28						

ISSUE DATE: 04/24/19 07:27



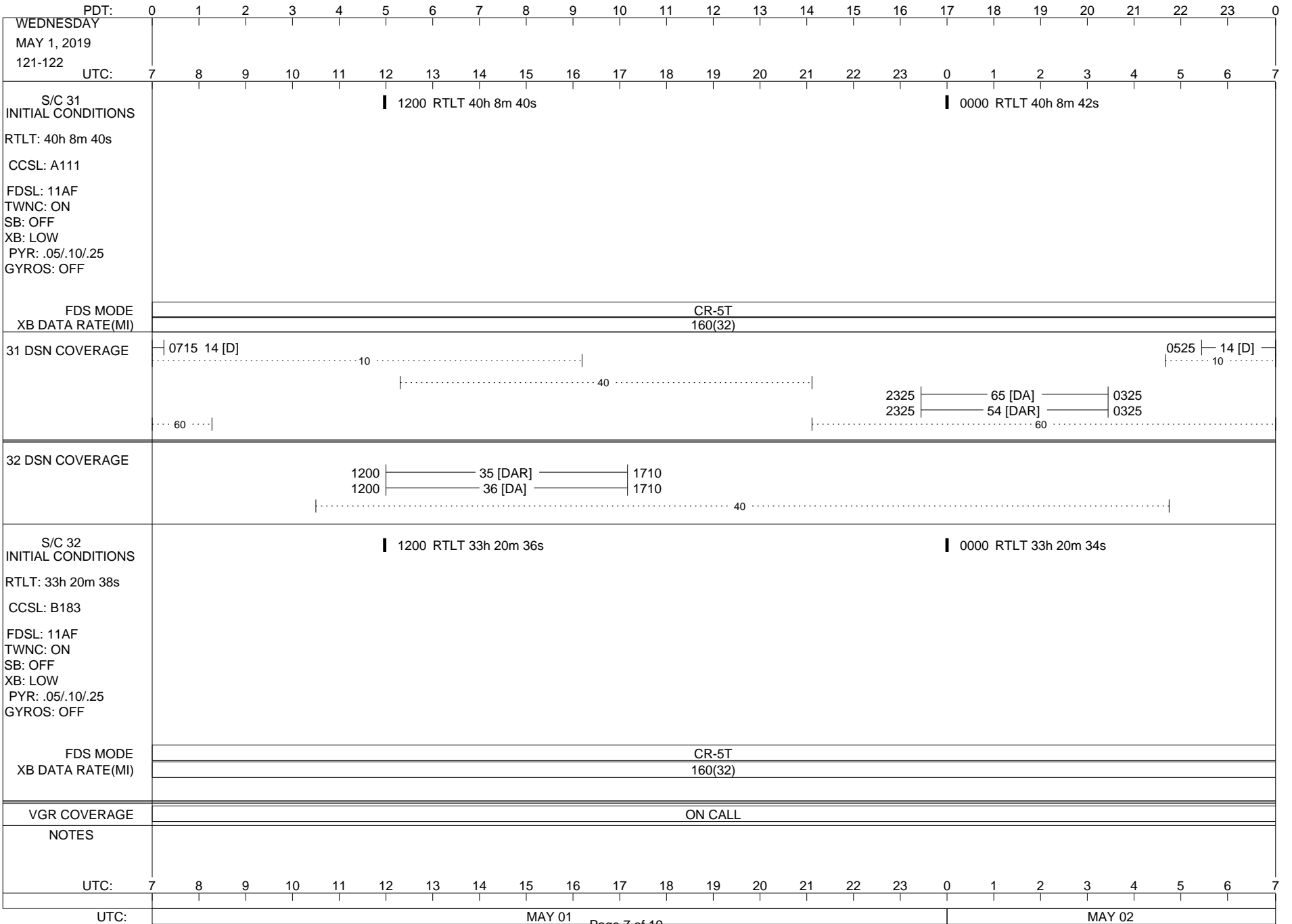
ISSUE DATE: 04/24/19 07:27



ISSUE DATE: 04/24/19 07:27

TUESDAY APRIL 30, 2019 120-121		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																									
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		1200 RTLT 40h 8m 40s												0000 RTLT 40h 8m 40s											
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)				EL-40 40(30)				CR-5T 160(32)				CR-5T 160(32)											
31 DSN COVERAGE		14 [DA] 1035 0835 25 [DAR] 1000 0835 26 [DA] 1000.....10..... .....40..... .....60.....												0535 14 [D] .....10..... 2330 65 [DA] 0425 2330 55 [DAR] 0425.....60.....											
32 DSN COVERAGE		1515 43 [D] 2230.....40.....																							
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		1200 RTLT 33h 20m 40s												0000 RTLT 33h 20m 38s											
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																							
VGR COVERAGE		ON CALL								VGR								ON CALL							
NOTES		[1] S/C 31=EL-40 @ 0858 XB=40(30) [2] S/C 31=GS-4B @ 1558 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 30												MAY 01											

ISSUE DATE: 04/24/19 07:27



ISSUE DATE: 04/24/19 07:27

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 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	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0710 14 [D]										0535 14 [DA]															
	..... 10 .....										..... 10									
	..... 60 .....										..... 60									
	..... 40 .....										..... 40									
	..... 55 [DAR] .....										..... 55 [DAR]									
	..... 65 [DA] .....										..... 65 [DA]									
	..... 0245 .....										..... 0245									
	..... 0245 .....										..... 0245									
	..... 2320 .....										..... 2320									
	..... 2320 .....										..... 2320									
	..... 2211 GS-4B 2212																								
32 DSN COVERAGE	1030 43 [D] 1430																									
 40 40													
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	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 @ 2211 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 02													MAY 03												

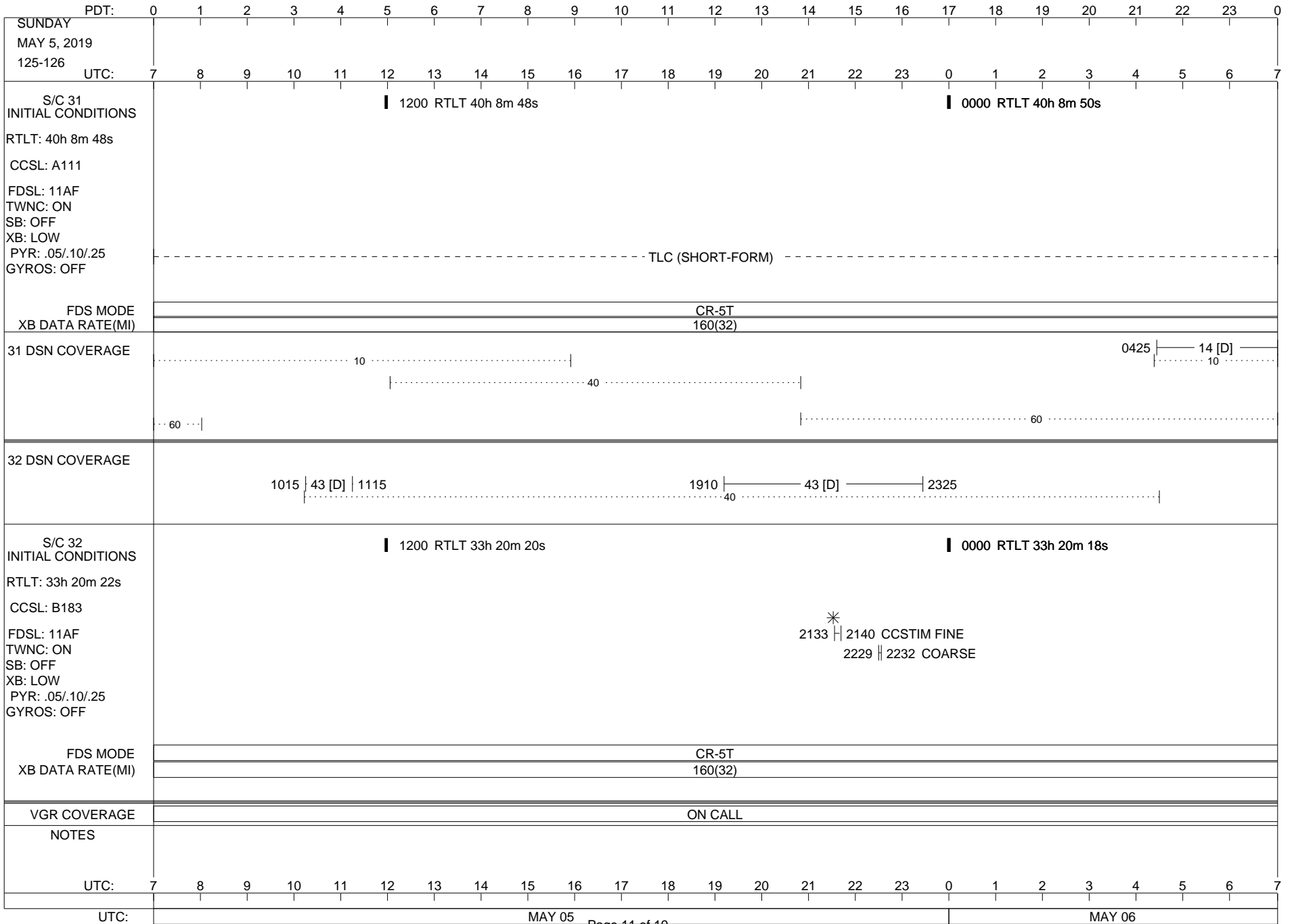
ISSUE DATE: 04/24/19 07:27

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		
FRIDAY MAY 3, 2019 123-124																												
S/C 31 INITIAL CONDITIONS RTLT: 40h 8m 44s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 40h 8m 44s												0000 RTLT 40h 8m 46s														
		<ul style="list-style-type: none"> ↓ 0831 GYROS BC ON ↓ 0831 BAY 1 HTR OFF ↓ 0831 GYRO INIT ↓ 0841 GYRO FAULT TEST ↓ 0901 AAI 0904 | - - | 0937 MAGROL ↓ 0943 RAI ↓ 0949 GYROS OFF ↓ 0958 BAY 1 HTR ON ↓ 0834 EL-40 0835 																										
FDS MODE		CR-5T												CR-5T														
XB DATA RATE(MI)		160(32)												160(32)														
31 DSN COVERAGE		<p>0835 | 24 [DA] | 1050</p> <p>0835 | 25 [DA] | 1050</p> <p>0835 | 26 [DAR] | 1050</p> <p>2315 | 54 [DA] | 0205</p> <p>2315 | 55 [DAR] | 0205</p>																										
32 DSN COVERAGE		<p>1410 | 34 [DA] | 1915</p> <p>1410 | 36 [DAR] | 1915</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 33h 20m 30s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 33h 20m 28s												0000 RTLT 33h 20m 26s														
FDS MODE														CR-5T														
XB DATA RATE(MI)														160(32)														
VGR COVERAGE		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 03															MAY 04											

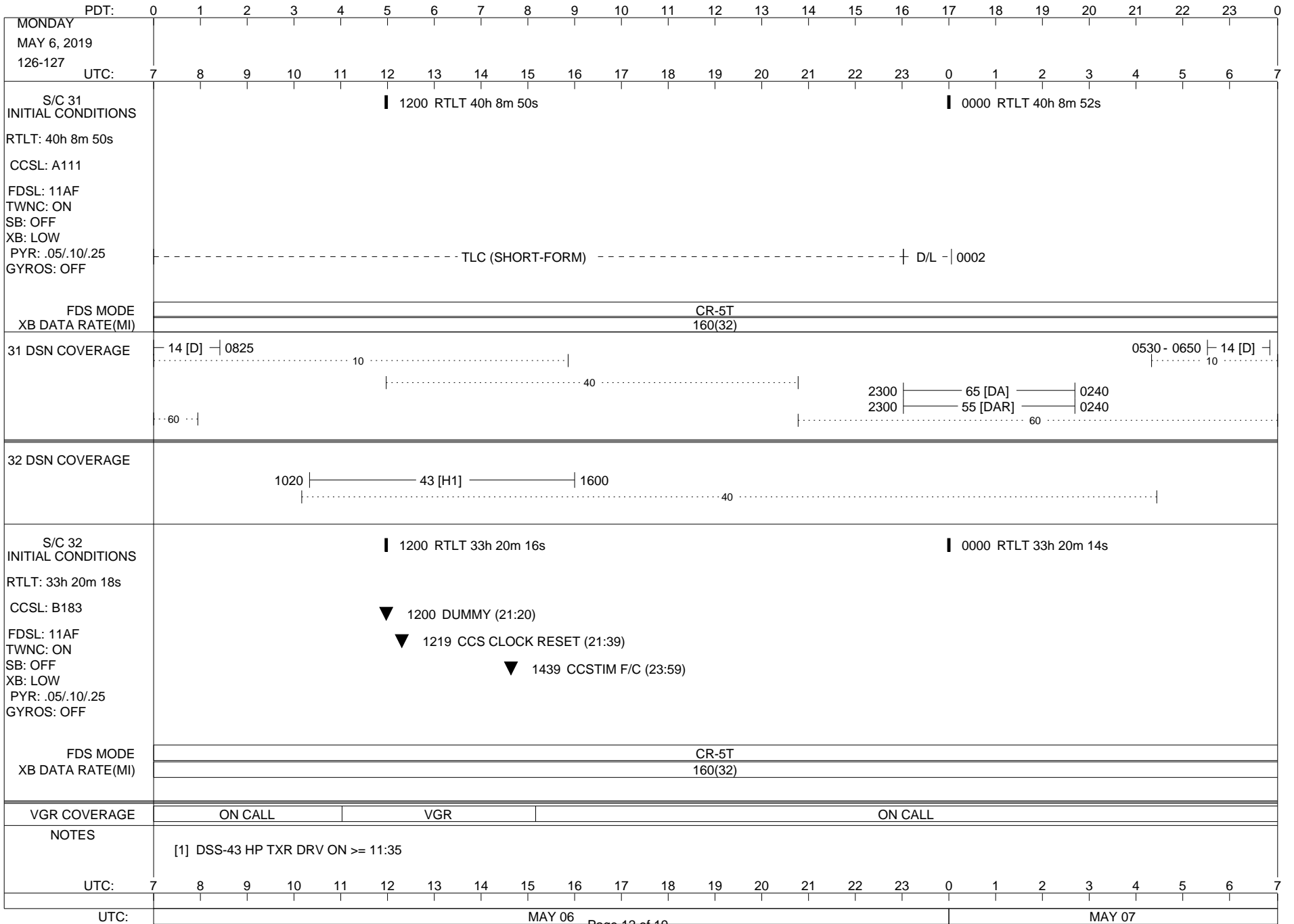
ISSUE DATE: 04/24/19 07:27

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 4, 2019 124-125																									
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 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	24 [DA] 1100 25 [DAR] 1100 10												2315 65 [DA] 0315 2315 55 [DAR] 0315 60												
32 DSN COVERAGE	1040 43 [H2] 1425 40																								
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	[1] S/C 31=GS-4B @ 0111 XB=2.8K(41) NOT RECOVERABLE [2] DSS-43 HP TXR DRV ON >= 11:45																								
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: 04/24/19 07:27



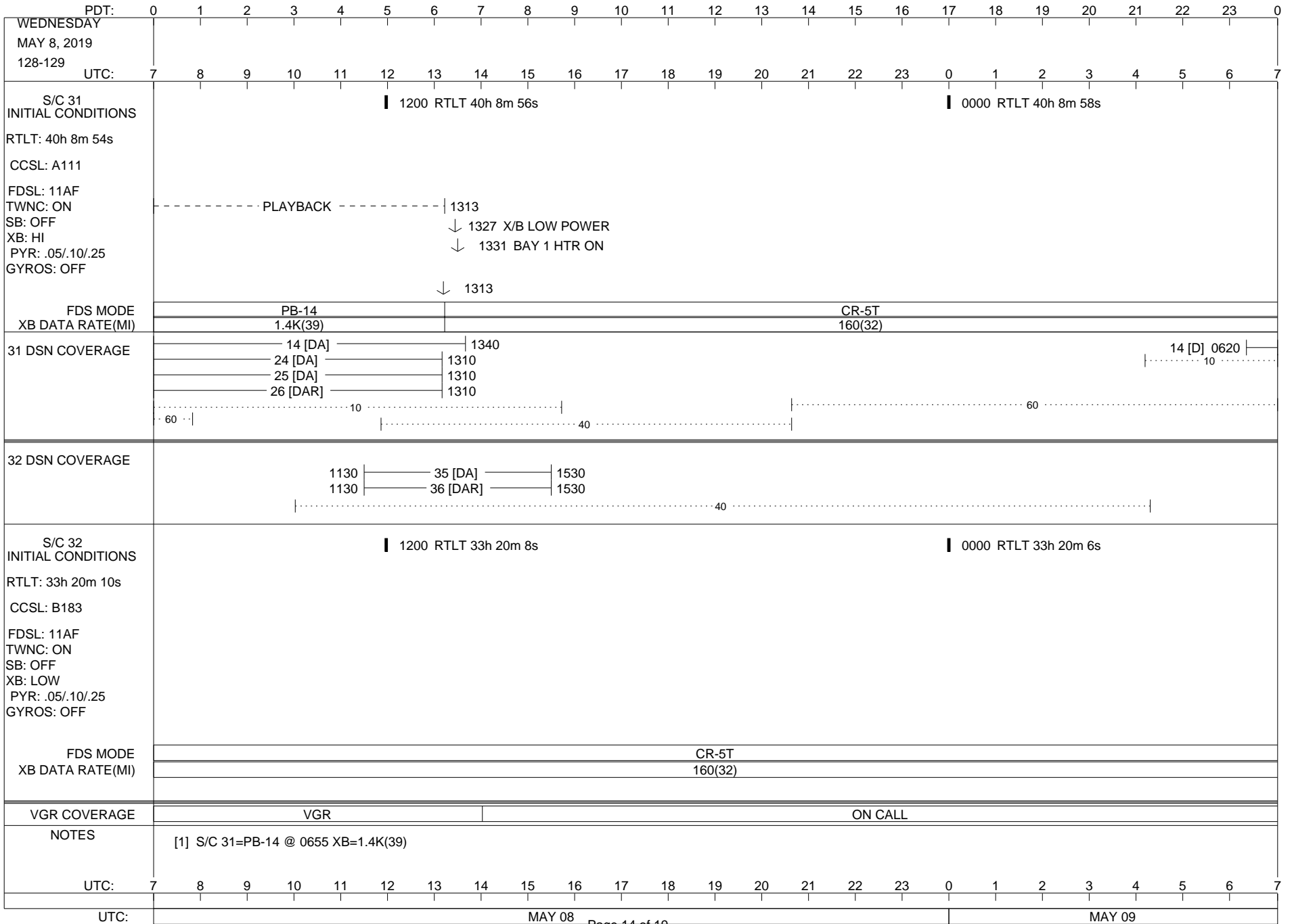
ISSUE DATE: 04/24/19 07:27



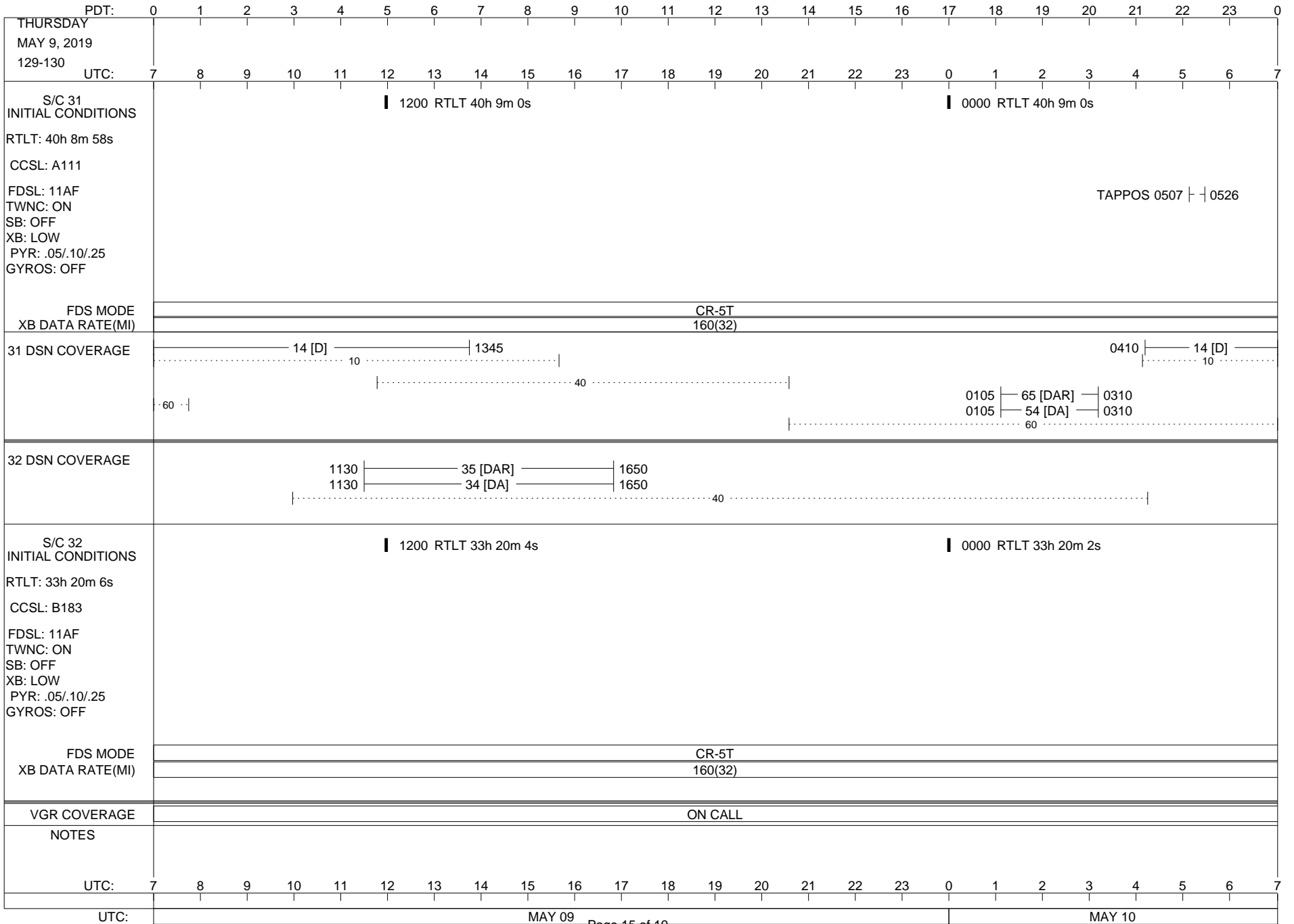
ISSUE DATE: 04/24/19 07:27

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			
TUESDAY MAY 7, 2019 127-128																												
S/C 31 INITIAL CONDITIONS RTLT: 40h 8m 52s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 40h 8m 54s												0000 RTLT 40h 8m 54s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	10												40															
	60												60															
32 DSN COVERAGE	1010 | 43 [D] | 1315												2010 | 43 [D] | 0045															
S/C 32 INITIAL CONDITIONS RTLT: 33h 20m 14s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 33h 20m 12s												0000 RTLT 33h 20m 10s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
VGR COVERAGE	ON CALL												VGR				ON CALL								VGR			
NOTES	[1] S/C 31=GS-4B @ 1534 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 07														MAY 08													

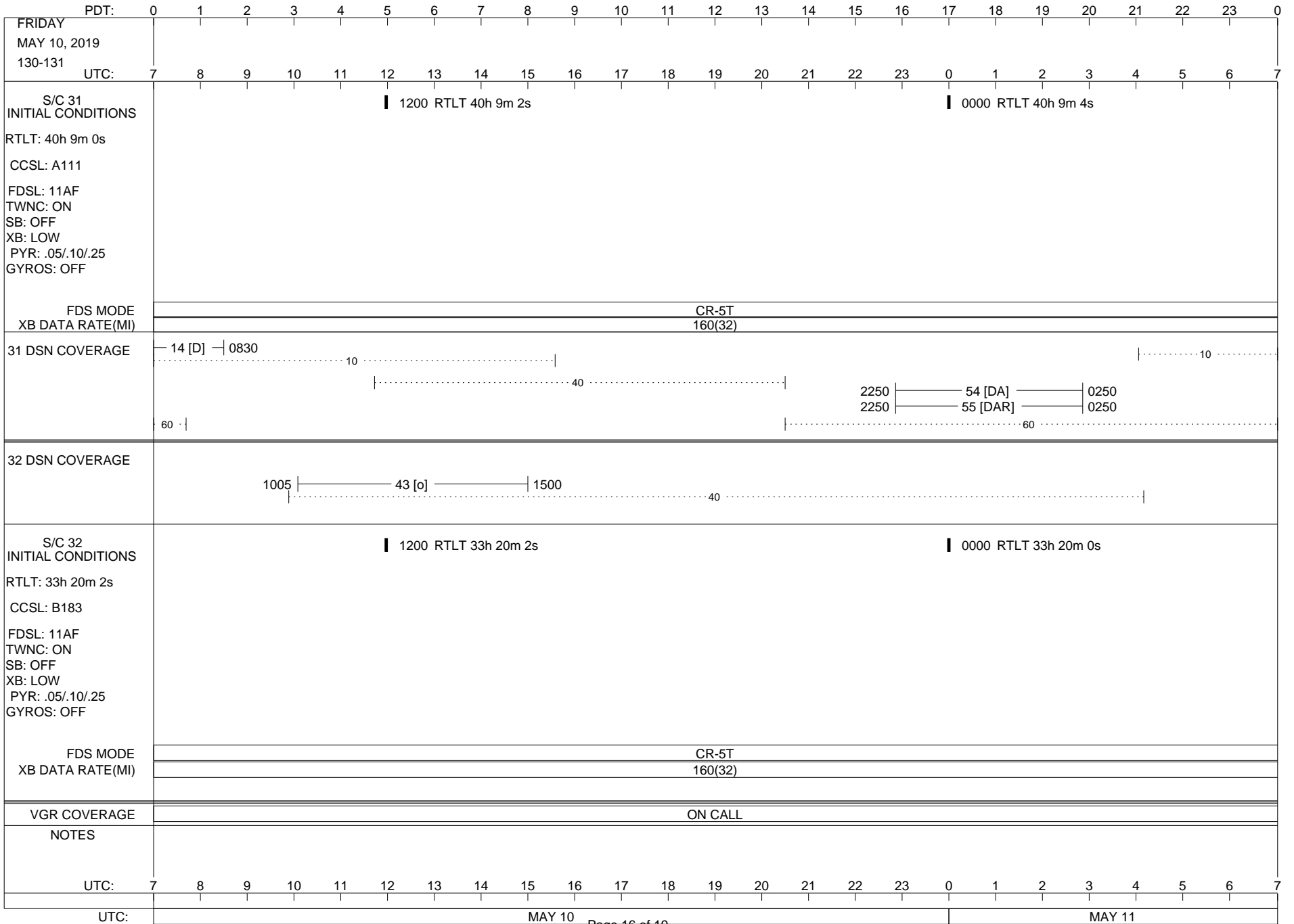
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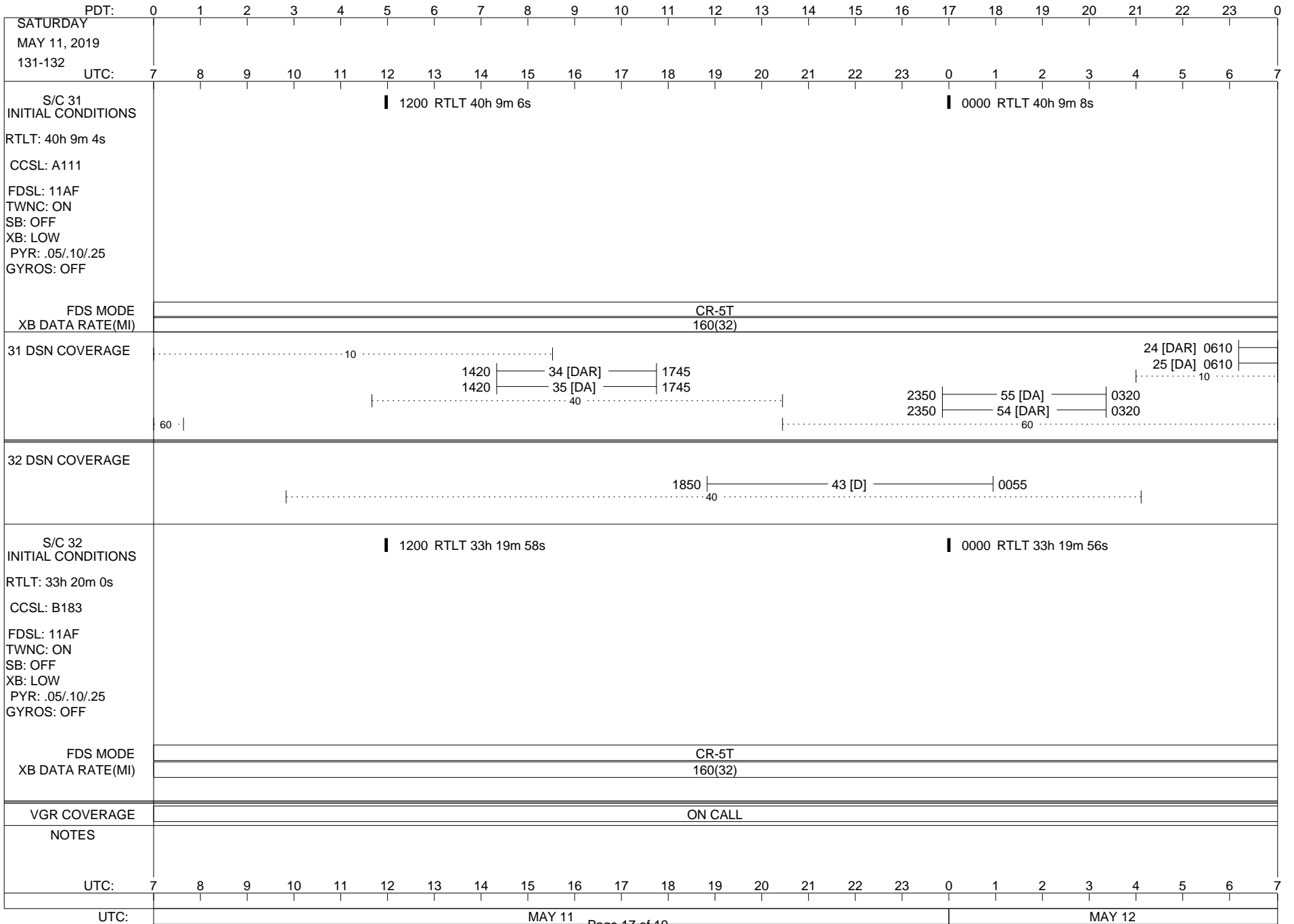
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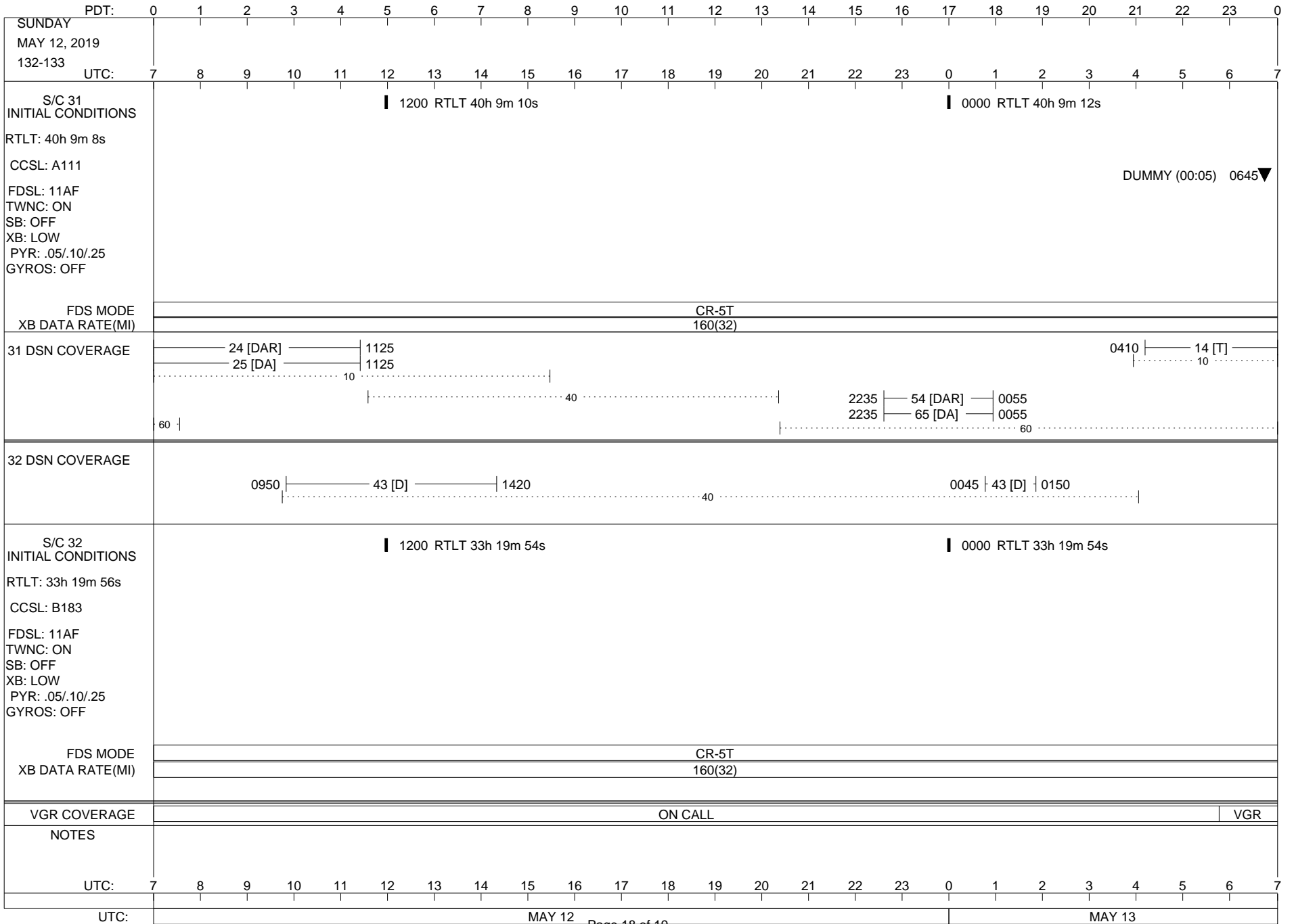
ISSUE DATE: 04/24/19 07:27



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ISSUE DATE: 04/24/19 07:27



ISSUE DATE: 04/24/19 07:27

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 13, 2019 133-134																											
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 9m 12s CCSL: A111 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLTL 40h 9m 14s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="display: flex; justify-content: space-between;"> <div>14 [T] | 0755</div> <div>..... 10 .....</div> <div>|..... 40</div> <div>60 |</div> </div>																										
32 DSN COVERAGE	<div style="display: flex; justify-content: space-around; align-items: center;"> <div>1110 |</div> <div>----- 43 [H1] -----</div> <div>| 1510</div> </div>																										
S/C 32 INITIAL CONDITIONS RTLTL: 33h 19m 54s CCSL: B183 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLTL 33h 19m 52s</p> <ul style="list-style-type: none"> ▼ 1136 EL-40 (20:56) ▼ 1219 2 TO 16TH (21:39) ▼ 1223 FDS CLOCK RESET (21:43) ▼ 1439 CCSTIM F/C (23:59) </div>																										
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 13													MAY 14													