

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: April 18, 2018

For the Period: 04/19/18 to 05/06/18 (18/109 – 18/127)

DSN OPSCHIEF **230-102** **SCIENCE** **FLIGHT TEAM** **600-100**

DSOT	230-102	CRS bryant@mail630.gsfc.nasa.gov LECP r.decker@jhuapl.edu MAG u2mha@lepvax.gsfc.nasa.gov PLS vgr@space.mit.edu PWS wsk@space.physics.uiowa.edu Leonard.F.Burlaga@nasa.gov Donald-Gurnett@uiowa.edu	Dodd, S. Hall, J. Howard, S. Ko, A. Ledeboer, W. Ludwig, R. Matsumoto, S. Medina, E. Peralta, F. Weeks, T. Yang, L.
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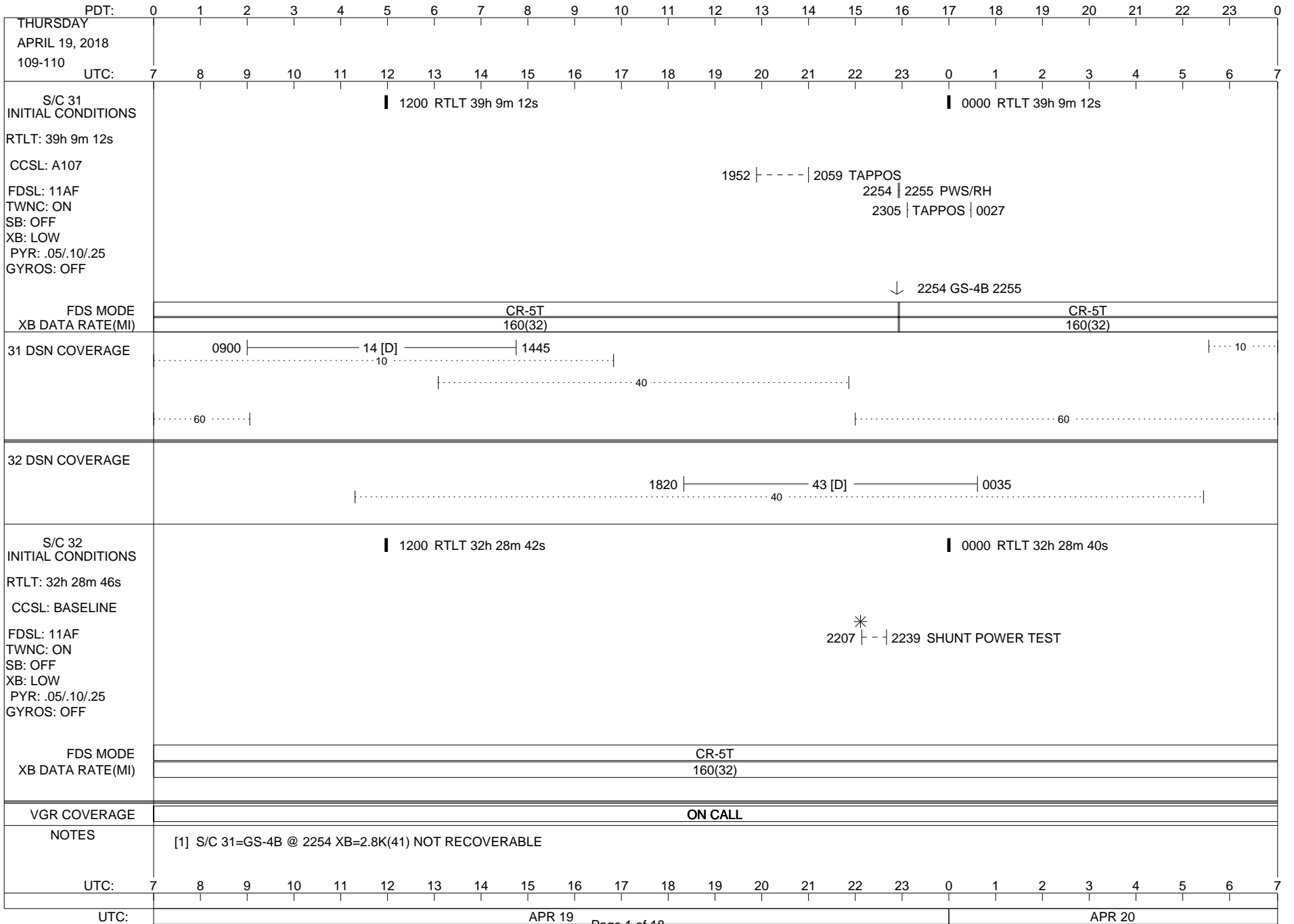
LEGEND:

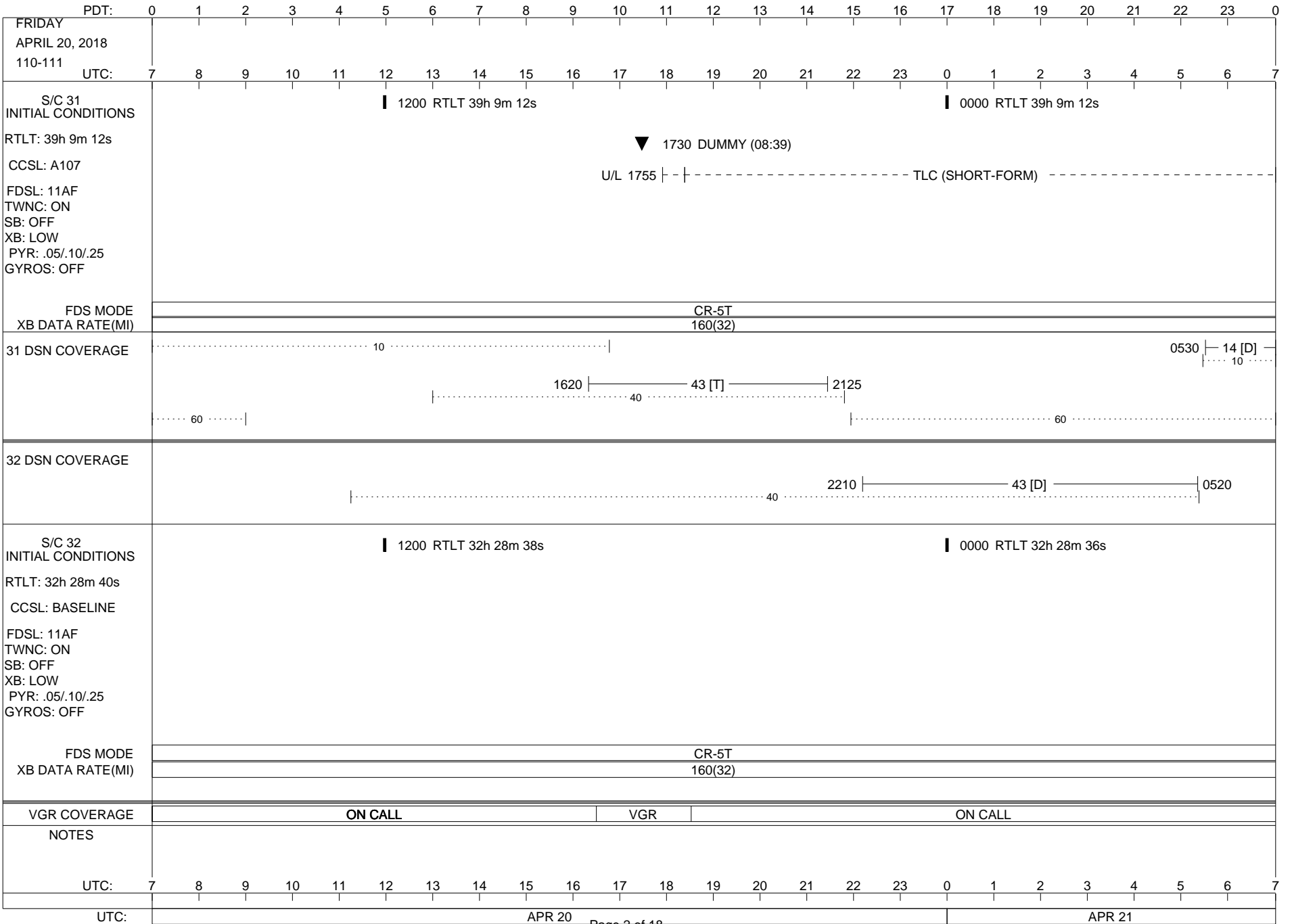
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U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

Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

02/27/17

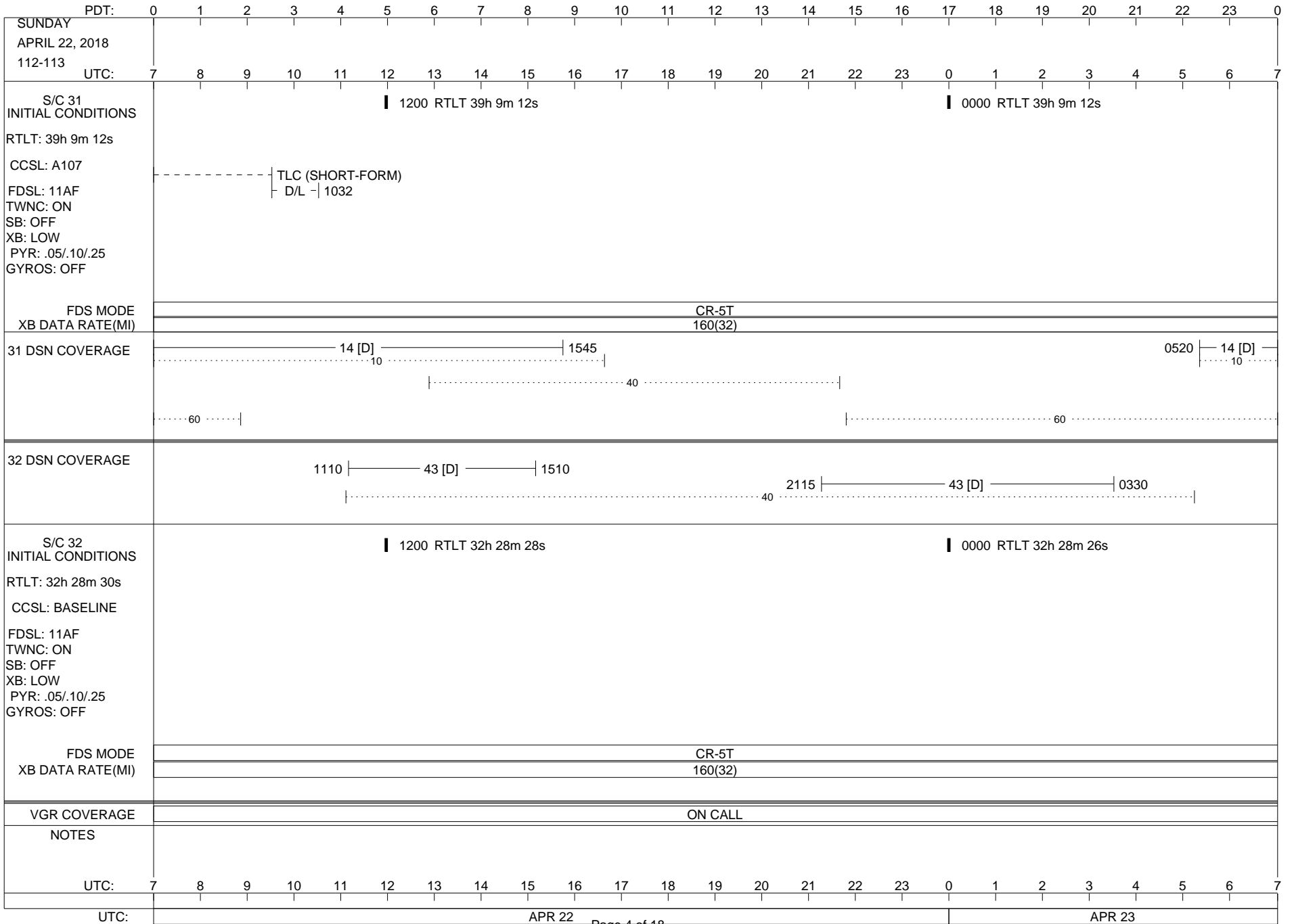
ISSUE DATE: 04/18/18 11:32



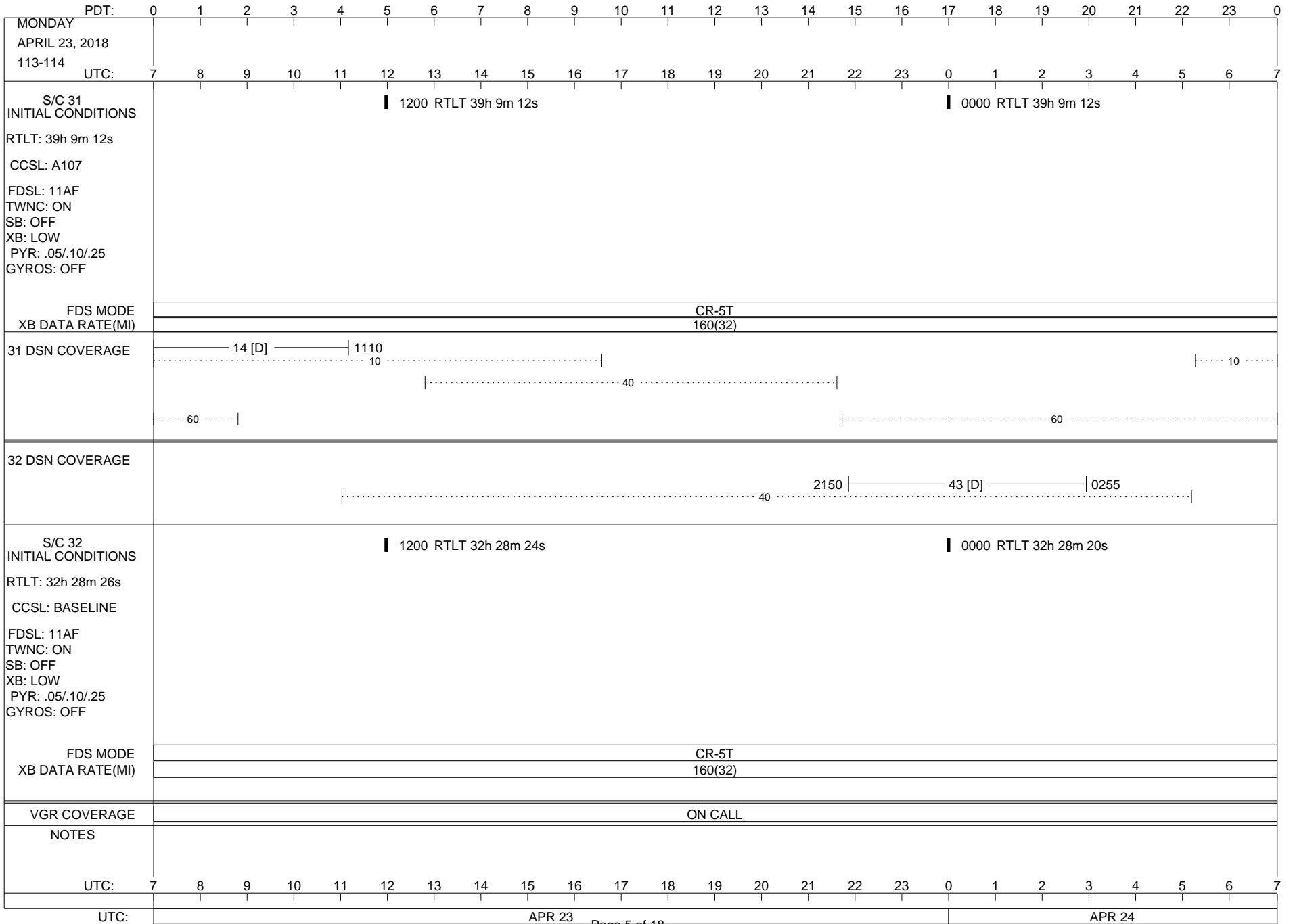


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SATURDAY APRIL 21, 2018 111-112	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 39h 9m 12s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 12s												0000 RTLT 39h 9m 12s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 1030												0545 14 [D]												
32 DSN COVERAGE	1250 43 [o] 1655												0150 43 [D] 0515												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 28m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 28m 32s												0000 RTLT 32h 28m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0154 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 21												APR 22												

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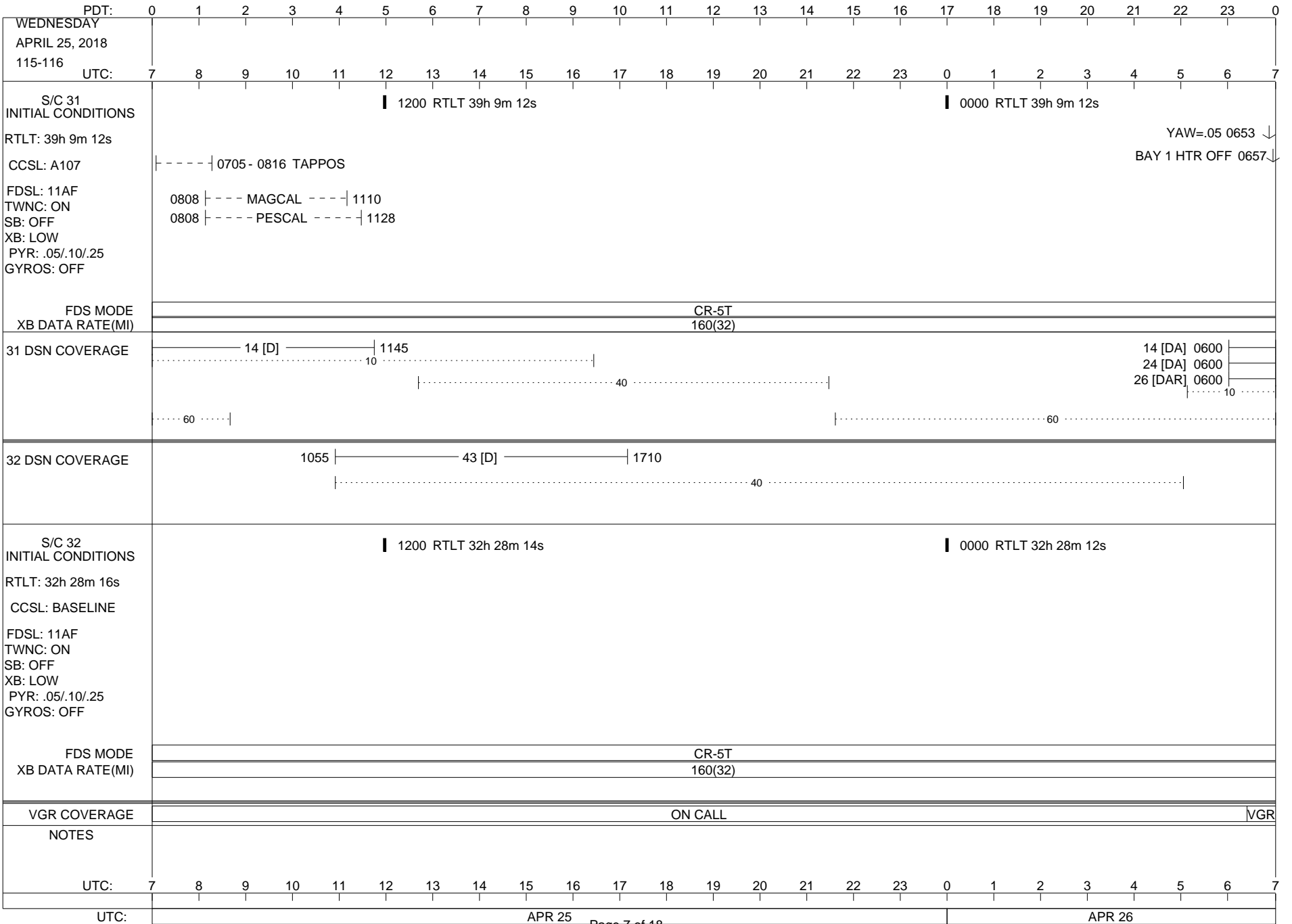
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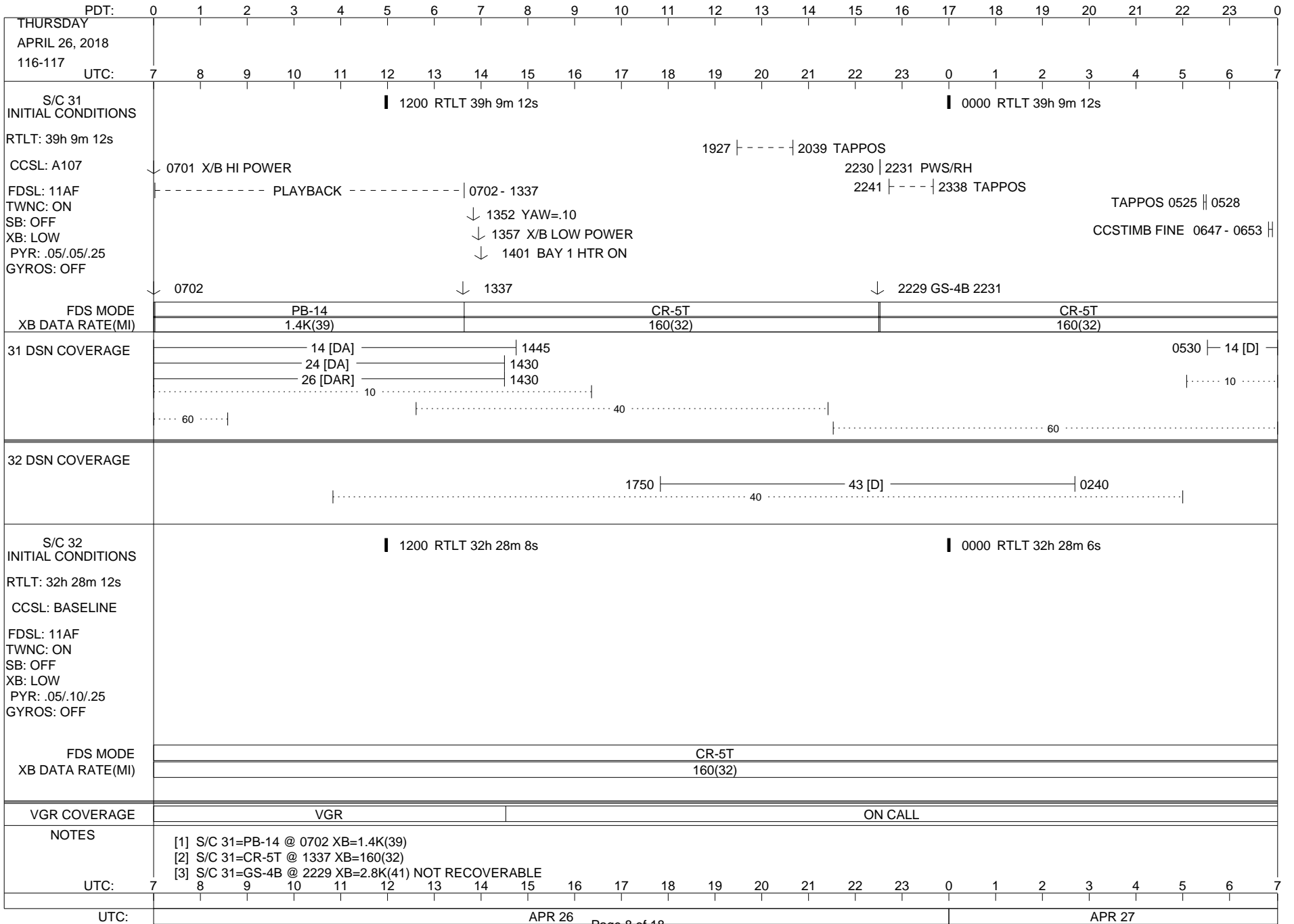


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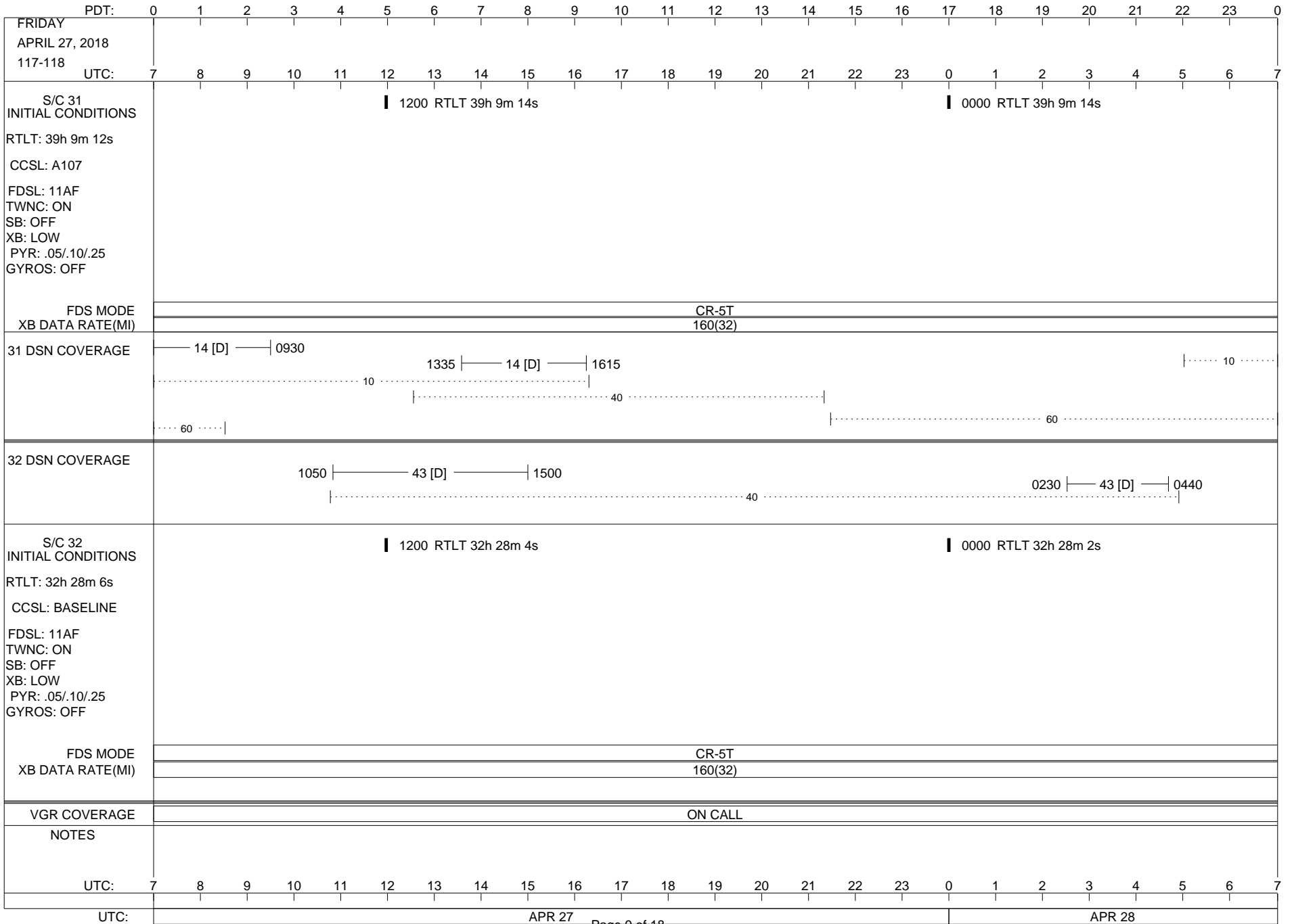
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S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 12s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 12s ↓ 1109 GYROS AC ON ↓ 1109 BAY 1 HTR OFF 1109 - CONDITIONING - 1409 ↓ 1203 MEMUPD - ECR 114612 1208 1209 MRO 1308 1309 REDUNDANT MRO ↓ 1409 GYROS OFF ↓ 1418 BAY 1 HTR ON 1616 1617 PWS/RH ↓ 1616 GS-4B 1617 ↓ 1112 EL-40 1114												0000 RTLT 39h 9m 12s													
FDS MODE	CR-5T						CR-5T						CR-5T													
XB DATA RATE(MI)	160(32)						160(32)						160(32)													
31 DSN COVERAGE	0935 ----- 14 [D] ----- 1435												0515 ----- 14 [D] -----													
 10 10													
 60 60													
32 DSN COVERAGE	1100 ----- 43 [D] ----- 1600											 40													
S/C 32 INITIAL CONDITIONS RTLT: 32h 28m 20s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 28m 18s												0000 RTLT 32h 28m 16s													
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE	ON CALL						VGR						ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1616 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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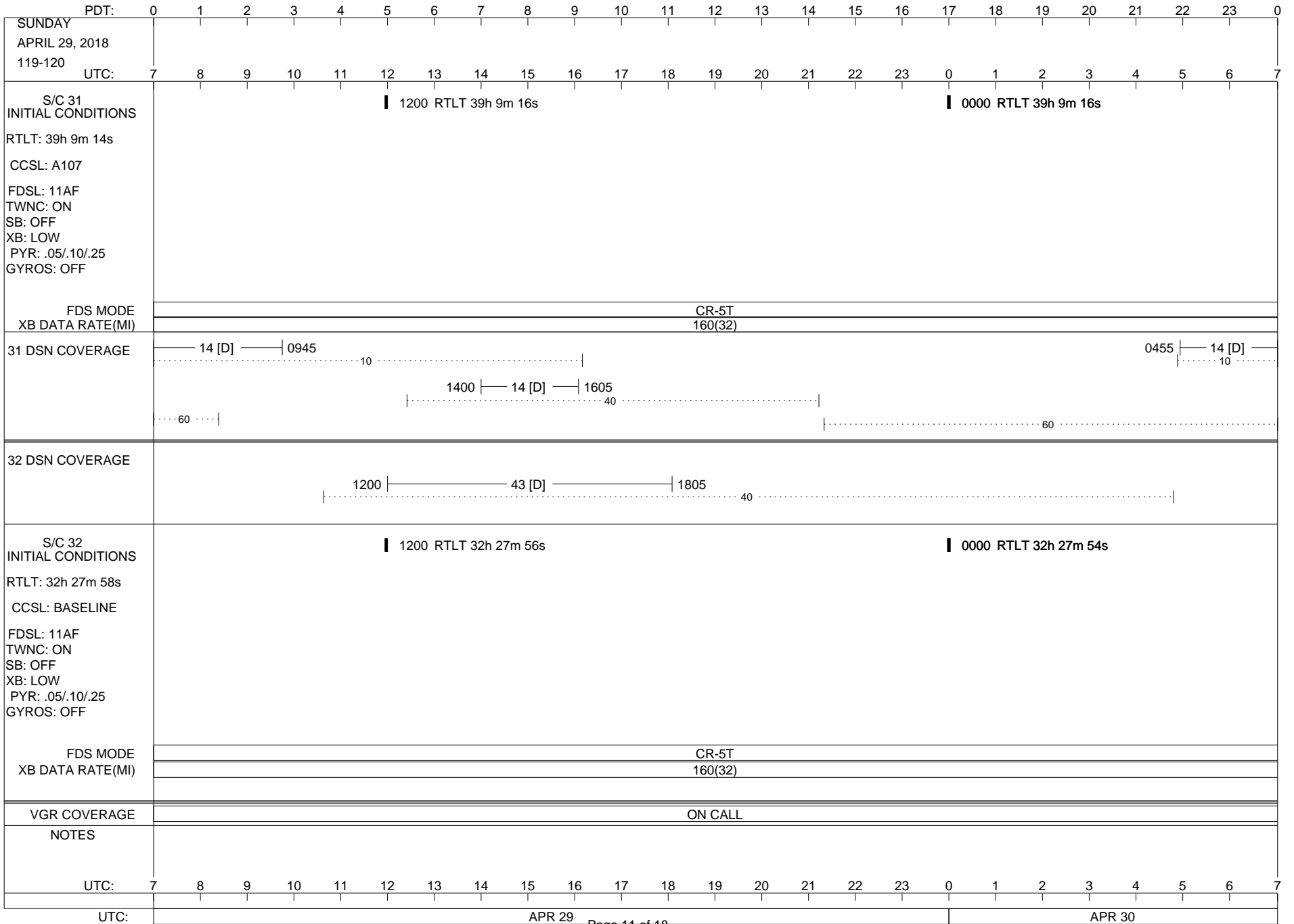




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SATURDAY APRIL 28, 2018 118-119	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 39h 9m 14s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 14s												0000 RTLT 39h 9m 14s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	1305 ----- 14 [D] ----- 1605												0500 ----- 14 [D] -----												
	1555 ----- 43 [D] ----- 1705																								
32 DSN COVERAGE	1045 ----- 43 [D] ----- 1505												0210 ----- 43 [D] ----- 0450												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 28m 2s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 28m 0s												0000 RTLT 32h 27m 58s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 0130 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 28												APR 29												

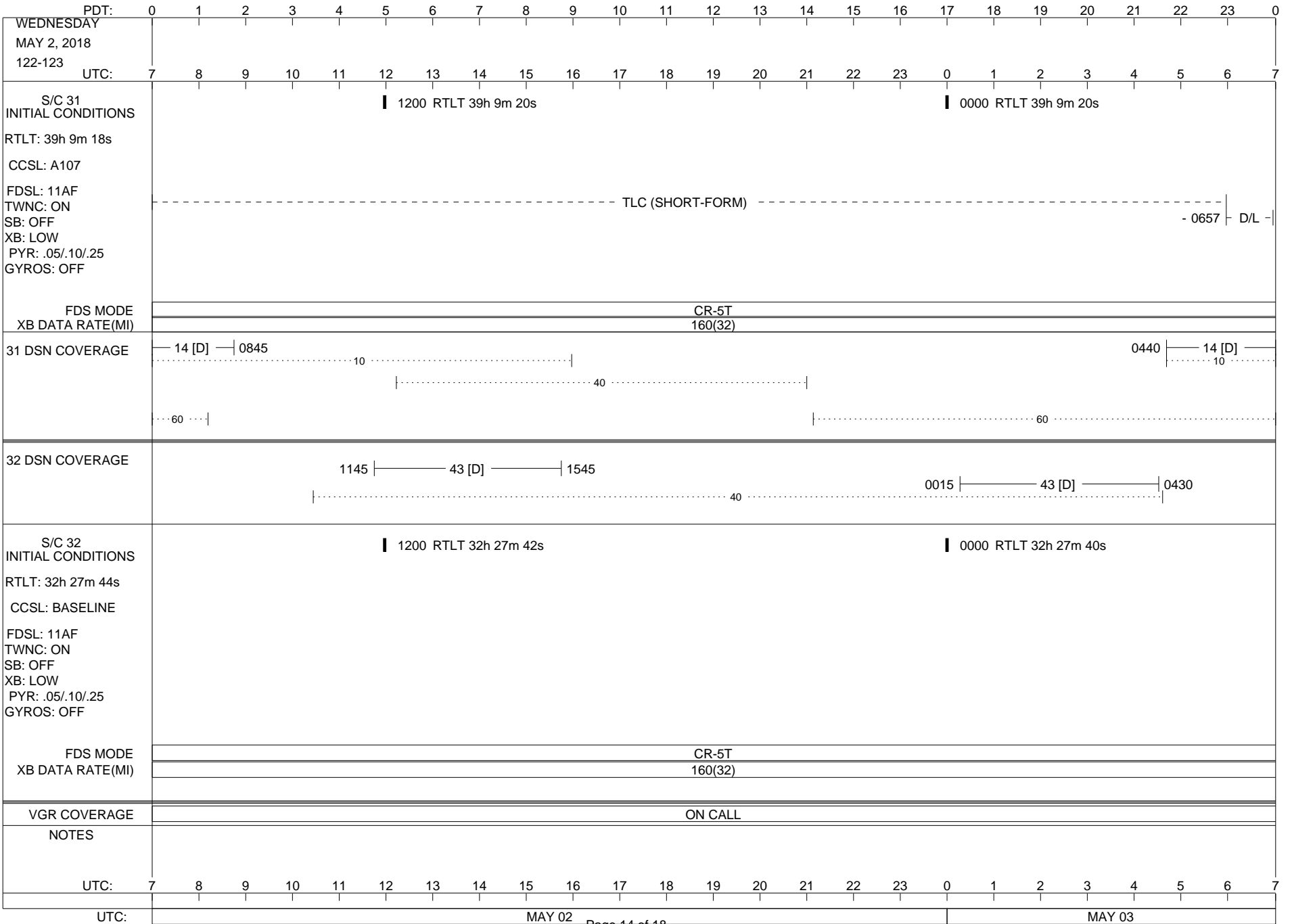


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MONDAY APRIL 30, 2018 120-121	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 16s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 16s												0000 RTLT 39h 9m 18s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0855											 10 10 60												
32 DSN COVERAGE	1125 35 [DA] 1525 1125 36 [DAR] 1525											 40												
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 54s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 27m 52s												0000 RTLT 32h 27m 48s												
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 30												MAY 01												

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 1, 2018 121-122																															
S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 18s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 39h 9m 18s 0842 GYROS BC ON 0842 BAY 1 HTR OFF 0852 GYRO FAULT TEST 0915 ----- 1020 ASCAL 0926 ALL DB=.IS 0942 AAI 1017 RAI 1020 GYROS OFF 1020 CRU 1028 YAW=.10, ROLL = .25 1028 BAY 1 HTR ON 1033												0000 RTLT 39h 9m 18s 1355 DUMMY (05:04) U/L 1420 ----- TLC (SHORT-FORM) 1552 1553 PWS/RH 1552 GS-4B 1553																		
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 [D] ----- 0730 - 1045 10																				0445 ----- 14 [D] ----- 10										
											1245 ----- 43 [T] ----- 1645 40																				
	60																				60										
32 DSN COVERAGE	1745 ----- 43 [o] ----- 2145 40																														
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 48s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLT 32h 27m 46s												0000 RTLT 32h 27m 44s 1722 PLSCAL - 1905 1722 ---- MAGCAL ---- 2025 1722 ---- PESCAL ---- 2042																		
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																														
VGR COVERAGE	<table border="1"> <tr> <td>VGR</td> <td>ON CALL</td> <td>VGR</td> <td>ON CALL</td> </tr> </table>																											VGR	ON CALL	VGR	ON CALL
VGR	ON CALL	VGR	ON CALL																												
NOTES	[1] S/C 31 = D/L /SNR VARIATIONS EXPECTED DURING ASCAL (0915-1020) [2] S/C 31=EL-40 @ 0845 XB=40(30) [3] S/C 31=GS-4B @ 1552 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																

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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 3, 2018 123-124	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: 39h 9m 20s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 22s												0000 RTLT 39h 9m 22s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0915												14 [DA] 0700 24 [DAR] 0700 26 [DA] 0700												
32 DSN COVERAGE	1025 43 [D] 1425												60												
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 40s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 27m 38s												0000 RTLT 32h 27m 36s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 2205 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 03												MAY 04												

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 4, 2018 124-125																													
S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 22s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 39h 9m 24s														0000 RTLT 39h 9m 24s													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)													
31 DSN COVERAGE		14 [DA] 0700 - 1100 24 [DAR] 0700 - 1100 26 [DA] 0700 - 1100 10 60 40 60														0435 14 [D] 10													
32 DSN COVERAGE		1020 43 [o] 1420 40																											
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 36s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 32h 27m 34s														0000 RTLT 32h 27m 32s													
FDS MODE XB DATA RATE(MI)																CR-5T 160(32)													
VGR COVERAGE		VGR														ON CALL													
NOTES		[1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0801-1022)																											
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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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 5, 2018 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: 39h 9m 24s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 9m 26s												0000 RTLT 39h 9m 28s															
FDS MODE	CR-5T												CR-5T															
XB DATA RATE(MI)	160(32)												160(32)															
31 DSN COVERAGE	0730 14 [D]										0430 14 [D]																	
32 DSN COVERAGE	1745 43 [D]										2205																	
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 32s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 27m 30s												0000 RTLT 32h 27m 28s															
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 @ 0105 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 05														MAY 06													

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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		
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S/C 31 INITIAL CONDITIONS RTLT: 39h 9m 28s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 39h 9m 28s</p> </div>																										
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>14 [D] 0830 10 40 60 ..</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>1015 ----- 43 [D] ----- 1415</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 28s CCSL: BASELINE FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 32h 27m 28s</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 06													MAY 07													