

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: May 22, 2018

For the Period: 05/24/18 to 06/11/18 (18/144 – 18/162)

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.	

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

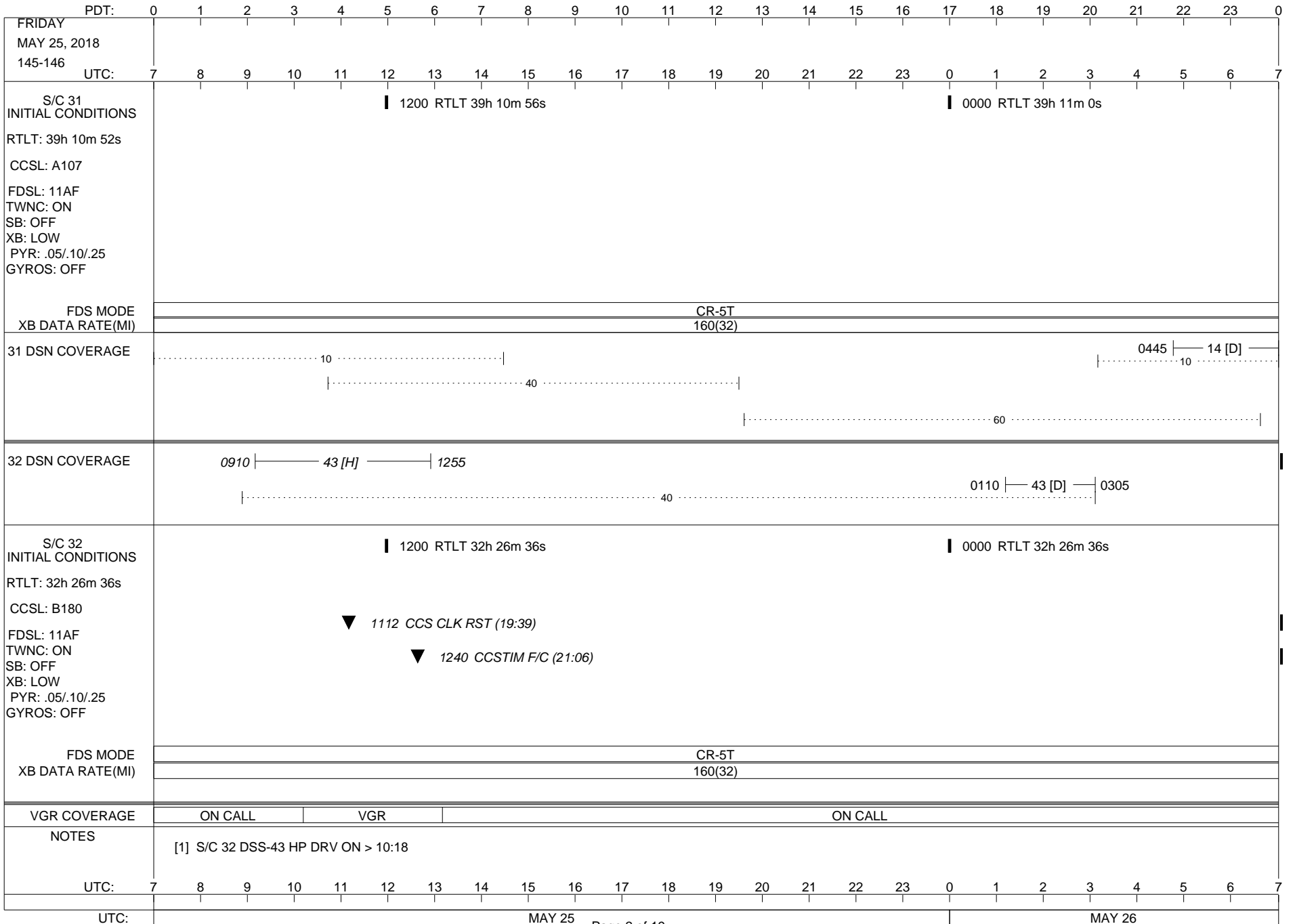
Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

02/27/17

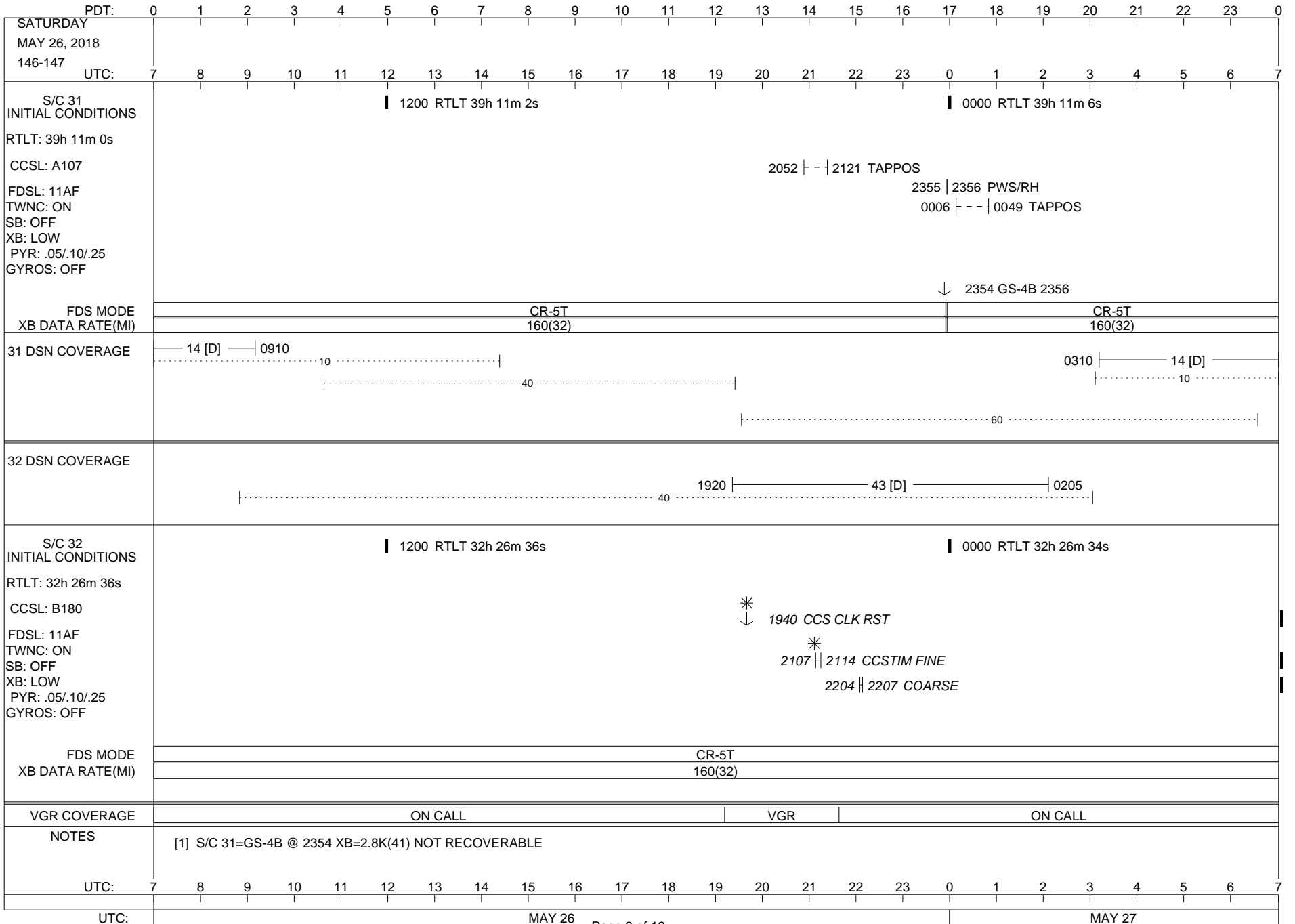
ISSUE DATE: 05/24/18 12:37

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 24, 2018 144-145																										
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 10m 46s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 10m 50s												0000 RTLT 39h 10m 52s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	.....|										|.....				
	|.....40.....|										2140 |----- 65 [DAR] -----| 0140 2140 |----- 54 [DA] -----| 0140 |.....60.....|															
32 DSN COVERAGE	0950 |----- 36 [DAR] -----| 1340 0950 |----- 34 [DA] -----| 1340 |.....40.....|																									
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 38s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 38s												0000 RTLT 32h 26m 36s													
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 @ 2054 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 24												MAY 25													

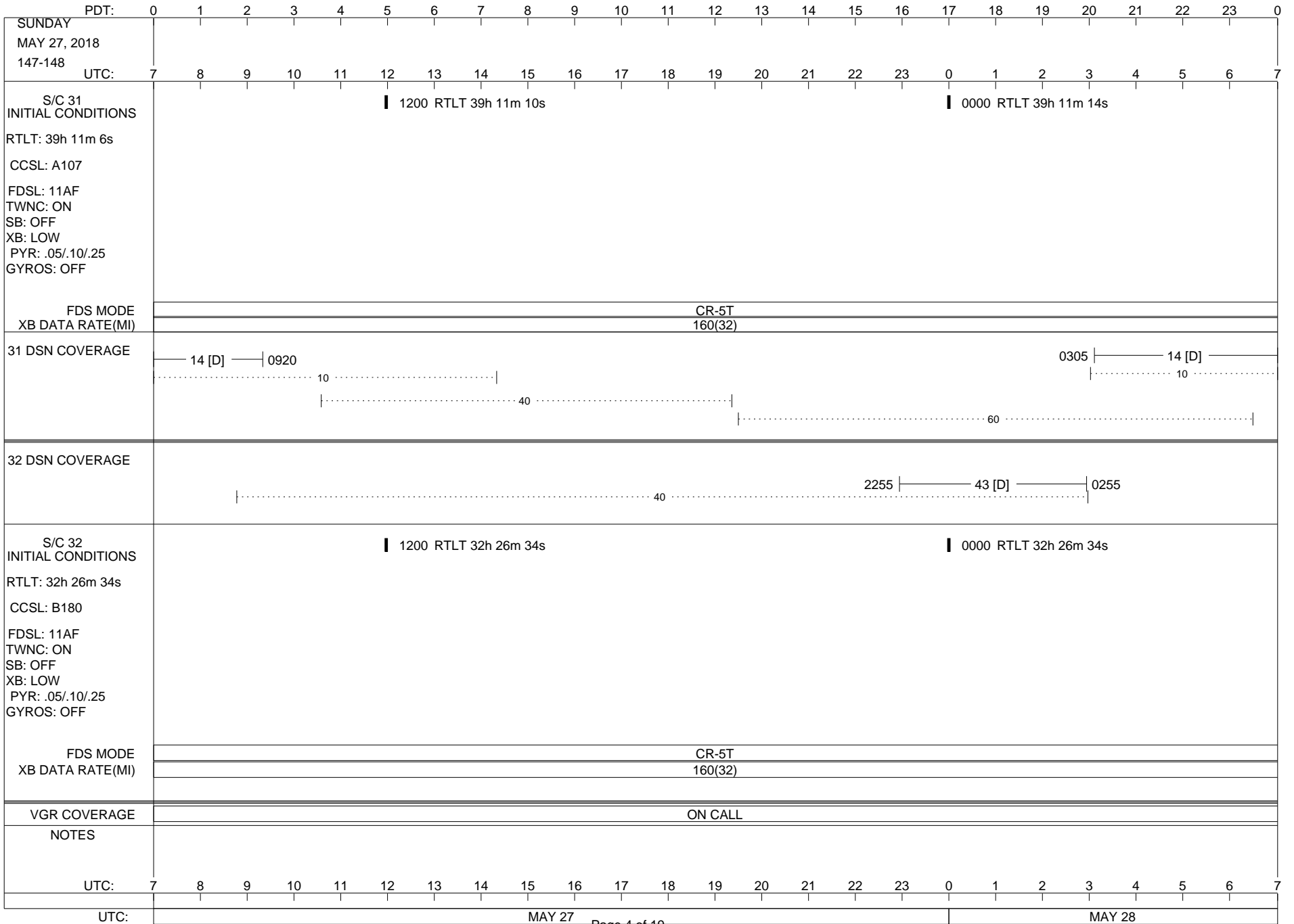
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MONDAY MAY 28, 2018 148-149																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 14s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 11m 18s												| 0000 RTLT 39h 11m 22s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	| 0705 14 [D]										| 0345 14 [D]															
															
															
															
32 DSN COVERAGE	|.....|										|.....|				
															
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 34s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 26m 34s												| 0000 RTLT 32h 26m 32s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	JPL HOLIDAY!																									
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 28													MAY 29												

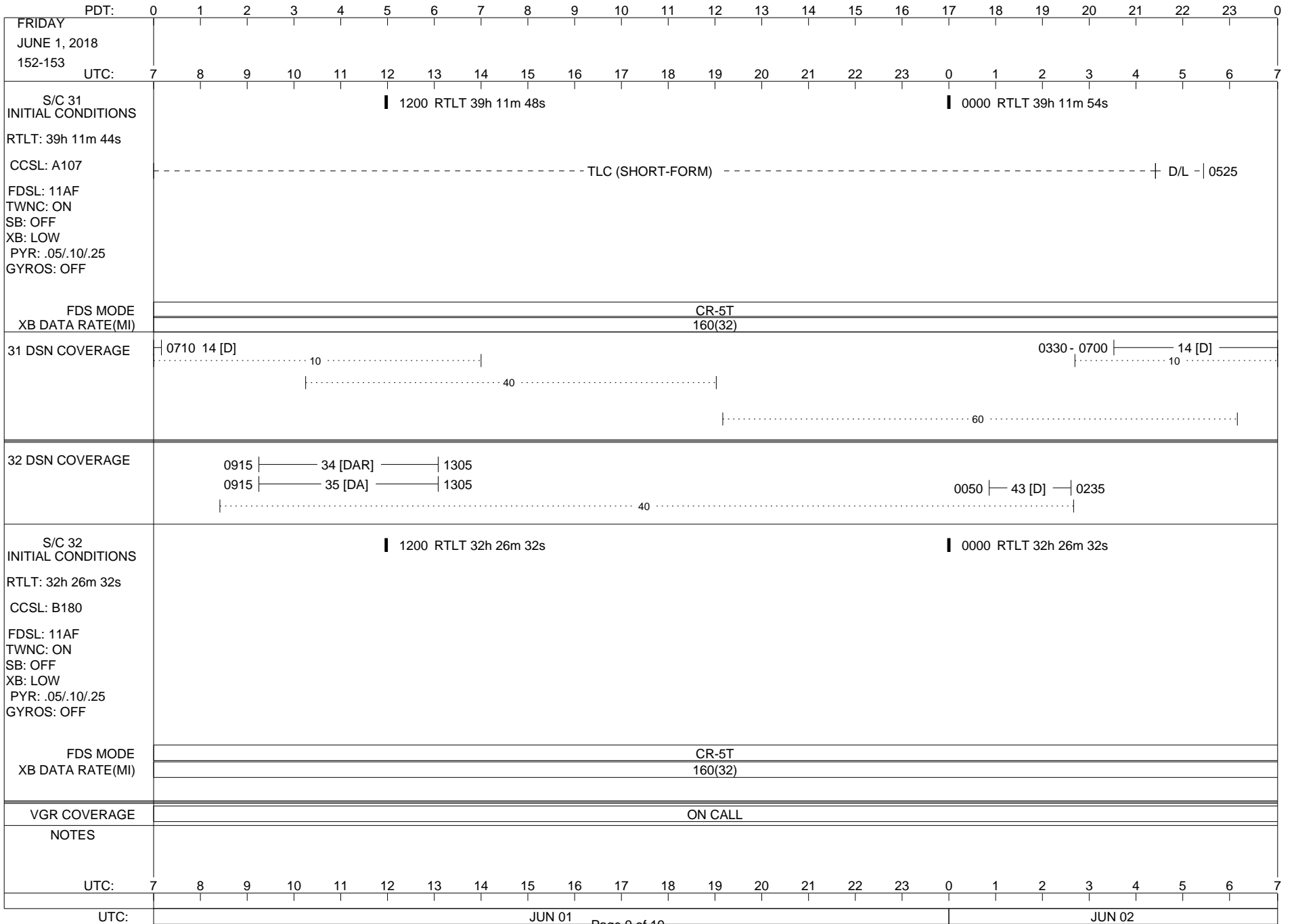
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PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
TUESDAY MAY 29, 2018 149-150	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLTL: 39h 11m 22s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 24s												0000 RTLT 39h 11m 28s												
	1417 | 1418 PWS/RH 1429 |----- DTR MAINT -----| 1953												1957 |--- TAPPOS ---| 2232												
	↓ 1417 GS-4B 1418																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D] | 0840												0415 | 14 [D] |												
												
												
												
32 DSN COVERAGE	1545 | 43 [D] | 1945																								
												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 26m 32s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 32s												0000 RTLT 32h 26m 32s												
	1546 | PLSCAL -| 1728																								
	1546 |--- MAGCAL ---| 1848																								
	1546 |--- PESCAL ---| 1906																								
	↓ 1603 BAY 1 HTR OFF																								
	↓ 1603 GYROS AC ON																								
	1603 |-----| 1903 AC GYRO CONDITIONING																								
													↓ 1903 GYROS OFF												
													↓ 1911 BAY 1 HTR ON												
													↓ 1915 WGY = BC												
	↓ 1606 EL-40 1606																								
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 @ 1417 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 29												Page 6 of 19						MAY 30						

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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
WEDNESDAY MAY 30, 2018 150-151	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 11m 28s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 32s												0000 RTLT 39h 11m 36s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	14 [D] 0950.....||.....40 |.....60 |.....												.....| |.....10											
32 DSN COVERAGE	1040 43 [D] 1440.....||.....40 |.....																								
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 32s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 32s												0000 RTLT 32h 26m 32s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)						1321 || 1327 AACS 6 MIN FULMRO REPLAY FROM 2017 DOY 353						1306 EL-40 ↓ ↓ 1329 CR-5T						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 30												MAY 31												

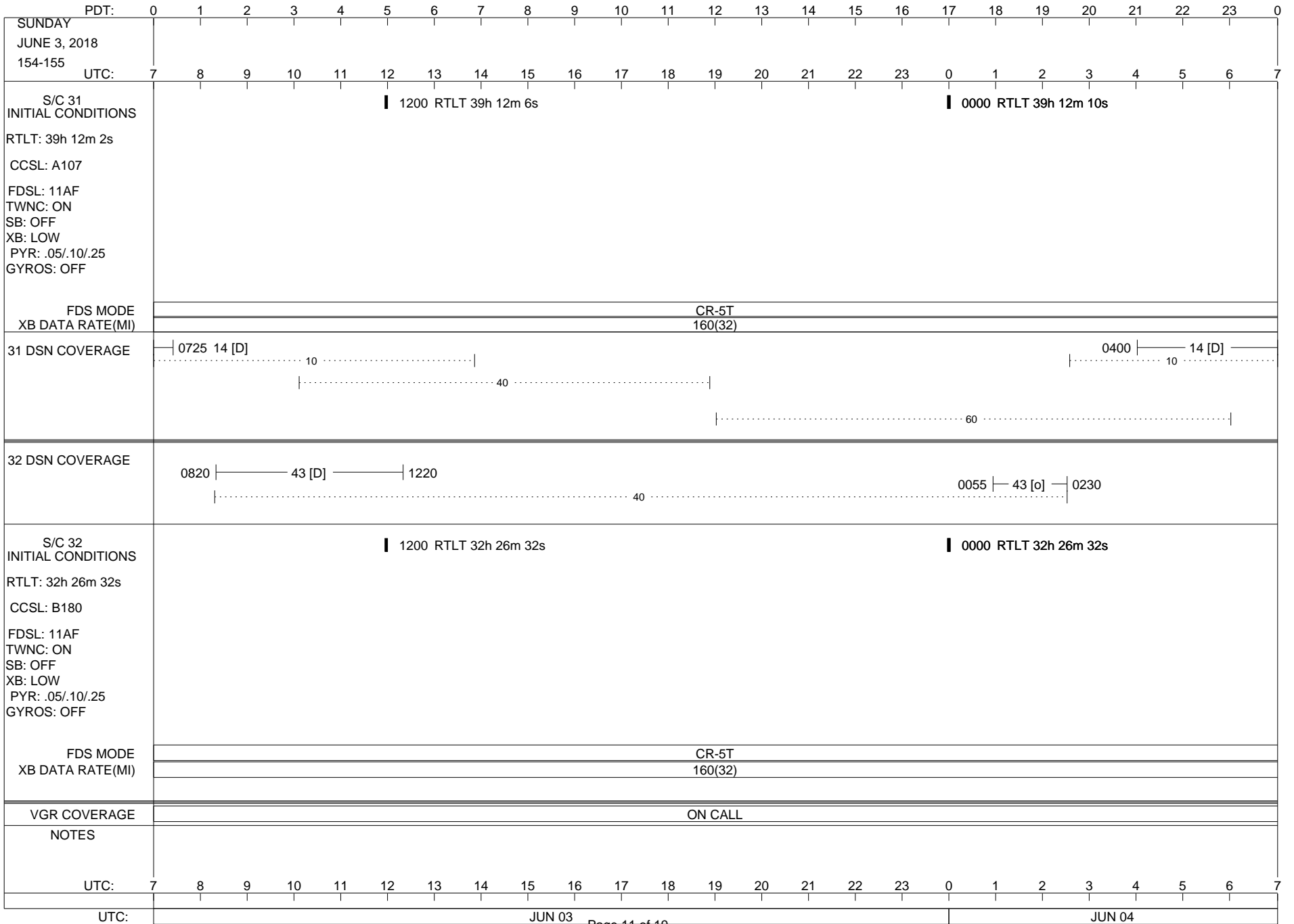
ISSUE DATE: 05/24/18 12:37

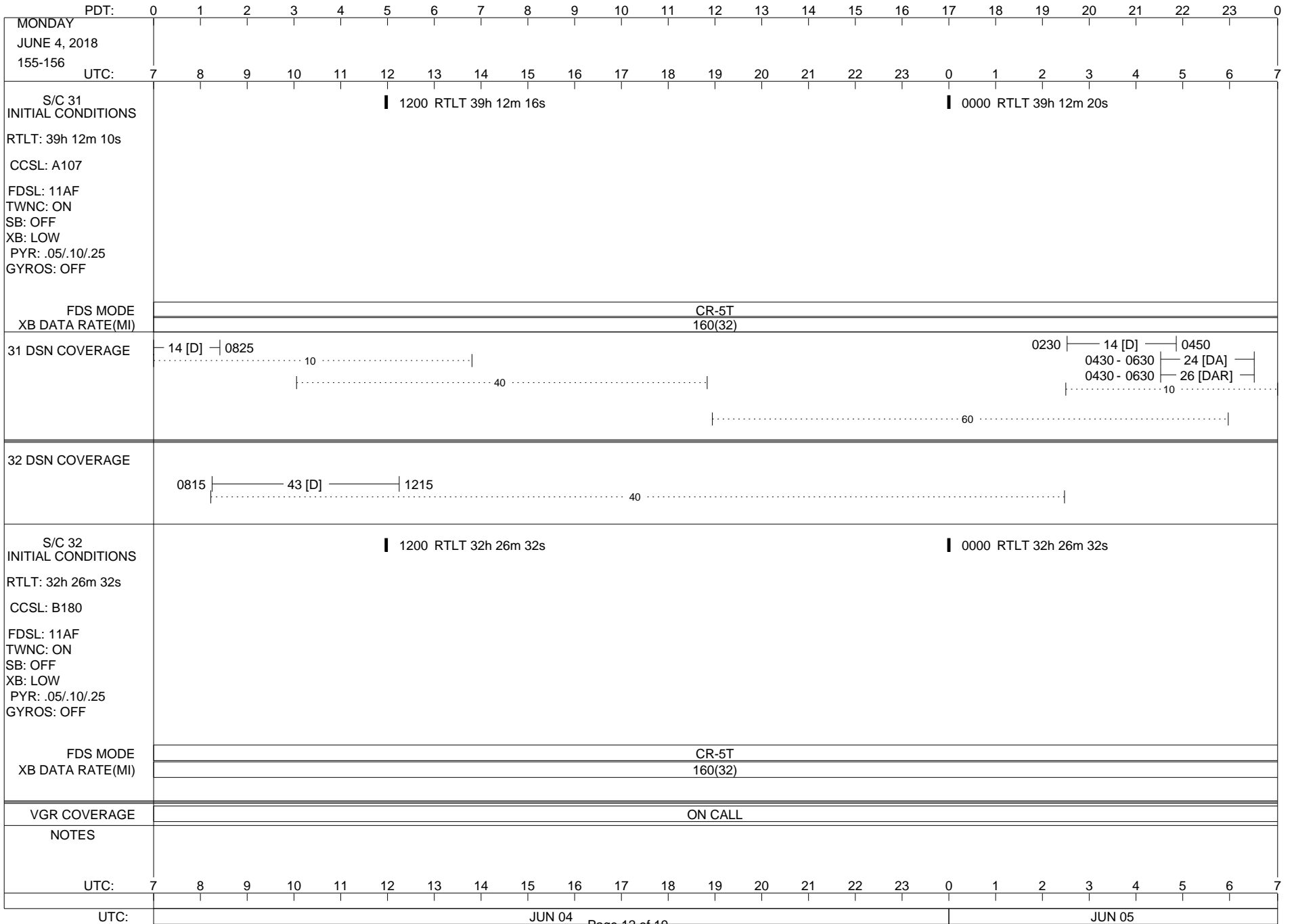


ISSUE DATE: 05/24/18 12:37

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 JUNE 2, 2018 153-154	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 11m 54s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 58s												0000 RTLT 39h 12m 2s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	0700 14 [D] .....| |.....40 .....||.....60 .....|												0230 |.....14 [D] .....| |.....10 .....|												
32 DSN COVERAGE	0825 |.....43 [D] .....| 1225 |.....40 .....|												0015 |.....43 [o] .....| 0230 |.....40 .....|												
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 32s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 32s												0000 RTLT 32h 26m 32s												
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 @ 2331 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 02												JUN 03												

ISSUE DATE: 05/24/18 12:37





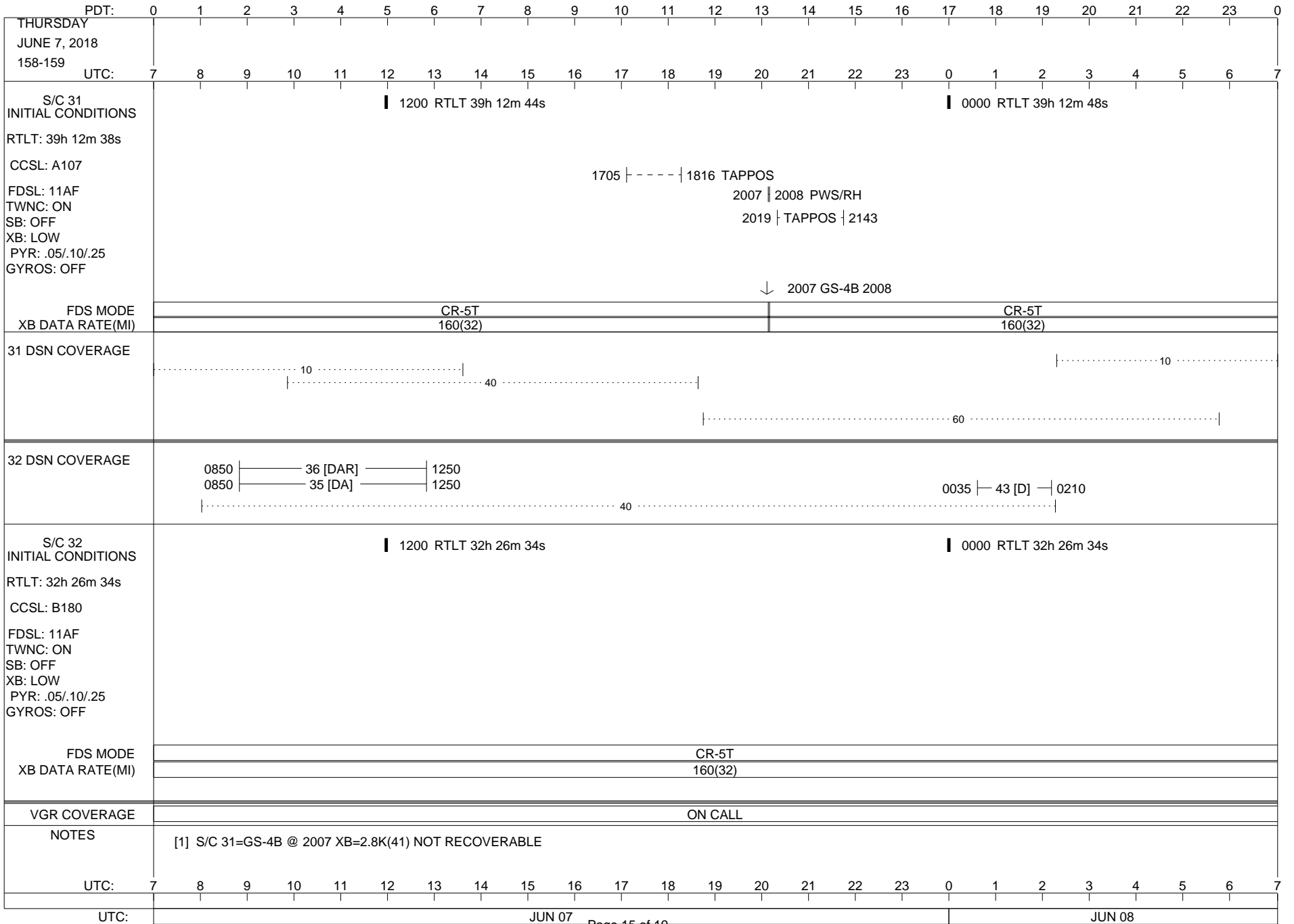
ISSUE DATE: 05/24/18 12:37

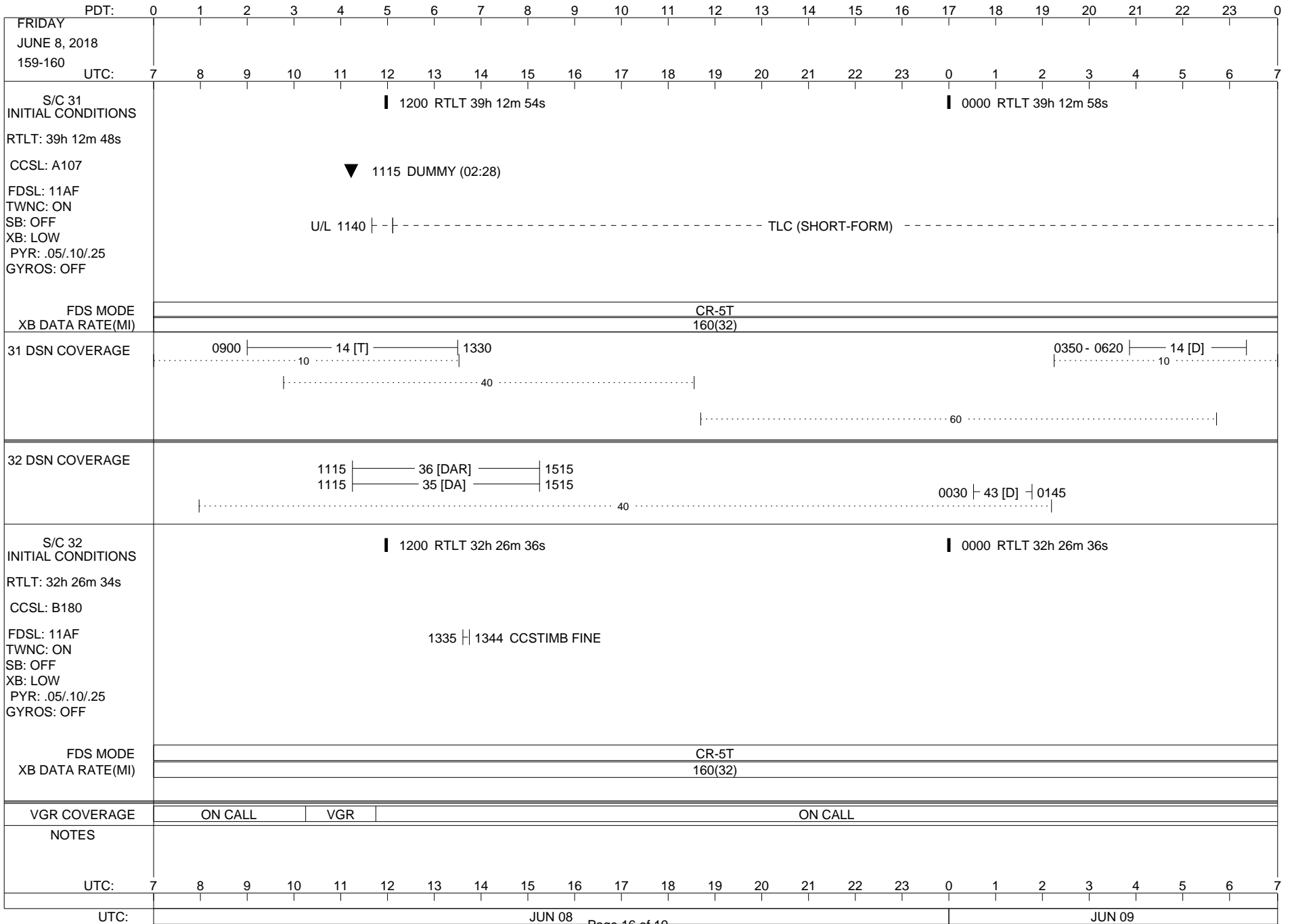
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0
TUESDAY JUNE 5, 2018 156-157																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 12m 20s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 39h 12m 24s												█ 0000 RTLT 39h 12m 30s												
	1354 | 1355 PWS/RH																								
	↓ 1354 GS-4B 1355																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....|10.....|40.....|												.....|60.....|.....|0425|14 [D]|.....|10.....											
32 DSN COVERAGE	0810|43 [D]|1225|.....|40.....|												2320|43 [B]|0220|.....|												
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 32s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 32h 26m 32s												█ 0000 RTLT 32h 26m 32s												
													▼ 2342 DUMMY (5 MIN BRACKETED 08:09)												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE	ON CALL												VGR			ON CALL									
NOTES	[1] S/C 31=GS-4B @ 1354 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 05												JUN 06												

ISSUE DATE: 05/24/18 12:37

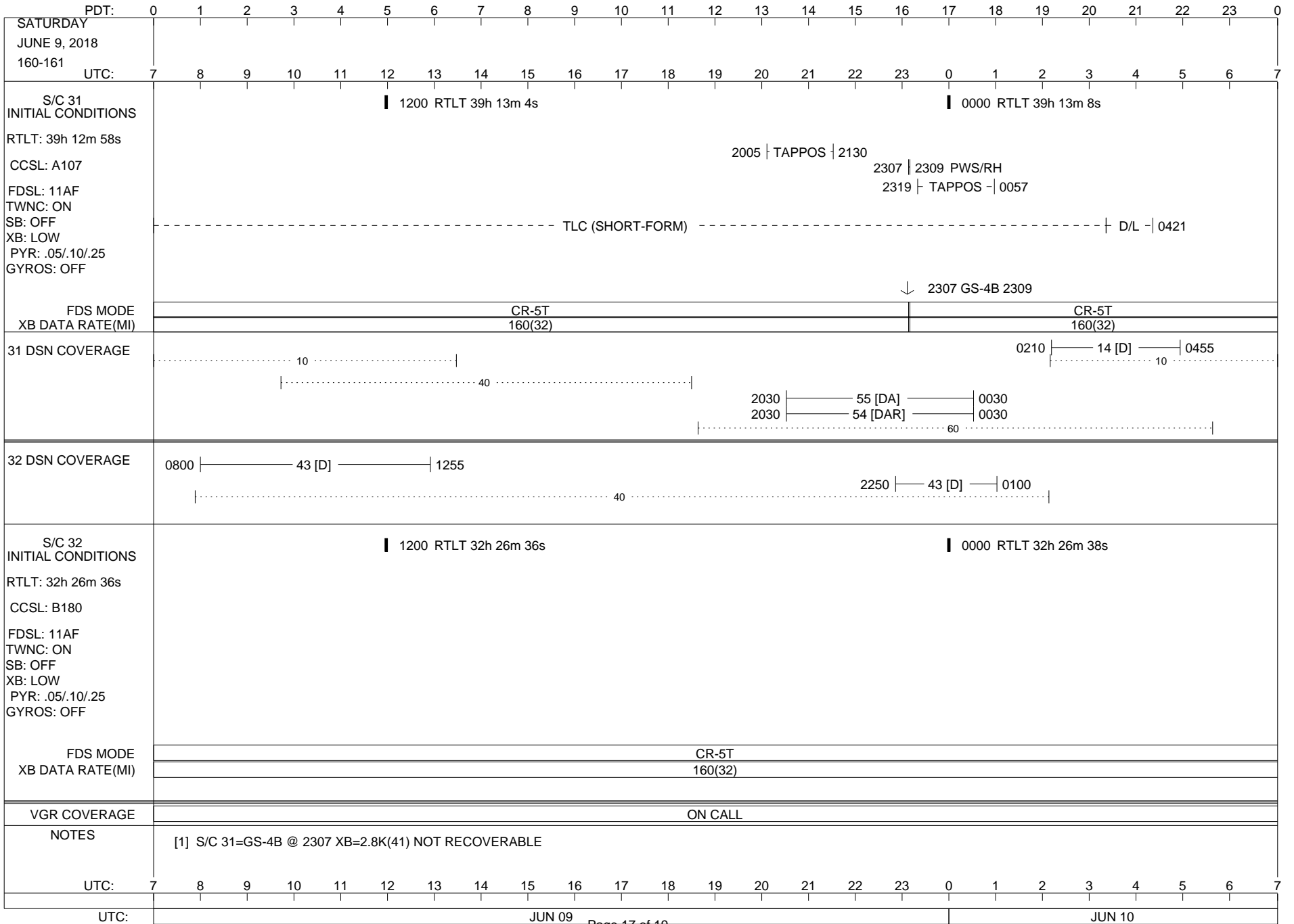
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
WEDNESDAY JUNE 6, 2018 157-158																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 39h 12m 30s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 12m 34s												| 0000 RTLT 39h 12m 38s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	14 [D] | 0825 .....|												0230 - 0650 | ..... 14 [D] |													
	| ..... 10 .....|												| ..... 10 .....|													
	| ..... 40 .....|												| ..... 60 .....|													
32 DSN COVERAGE	| ..... 40 .....|												2215 | ..... 43 [D] | 0215												
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 32s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 26m 34s												| 0000 RTLT 32h 26m 34s													
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:	JUN 06													JUN 07												

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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	
SUNDAY JUNE 10, 2018 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: 39h 13m 8s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 39h 13m 14s												| 0000 RTLTL 39h 13m 20s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	.....| 10 .....|												0210 |----- 14 [D] -----| 0610 .....| 10												
	|----- 40 -----|																									
													|----- 60 -----|													
32 DSN COVERAGE	0750 |----- 43 [D] -----| 1255												2250 |----- 43 [D] -----| 0200													
	|----- 40 -----|																									
S/C 32 INITIAL CONDITIONS RTLTL: 32h 26m 38s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLTL 32h 26m 38s												| 0000 RTLTL 32h 26m 38s													
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 10													JUN 11												

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 JUNE 11, 2018 162-163																											
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 13m 20s 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 13m 24s</p> </div>																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	<div style="text-align: center;"> <p>10 ..... | ..... 14</p> </div>																										
32 DSN COVERAGE	<div style="text-align: center;"> <p>1940 |----- 43 [D] -----| 2340</p> </div>																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 38s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<div style="text-align: center;"> <p>1200 RTLT 32h 26m 40s</p> </div>																										
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:	JUN 11													JUN 12													