

VOYAGER Space Flight Operations Schedule (SFOS)
--

Issue Date: June 13, 2018

For the Period: 06/14/18 to 07/02/18 (18/165 – 18/183)

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.	

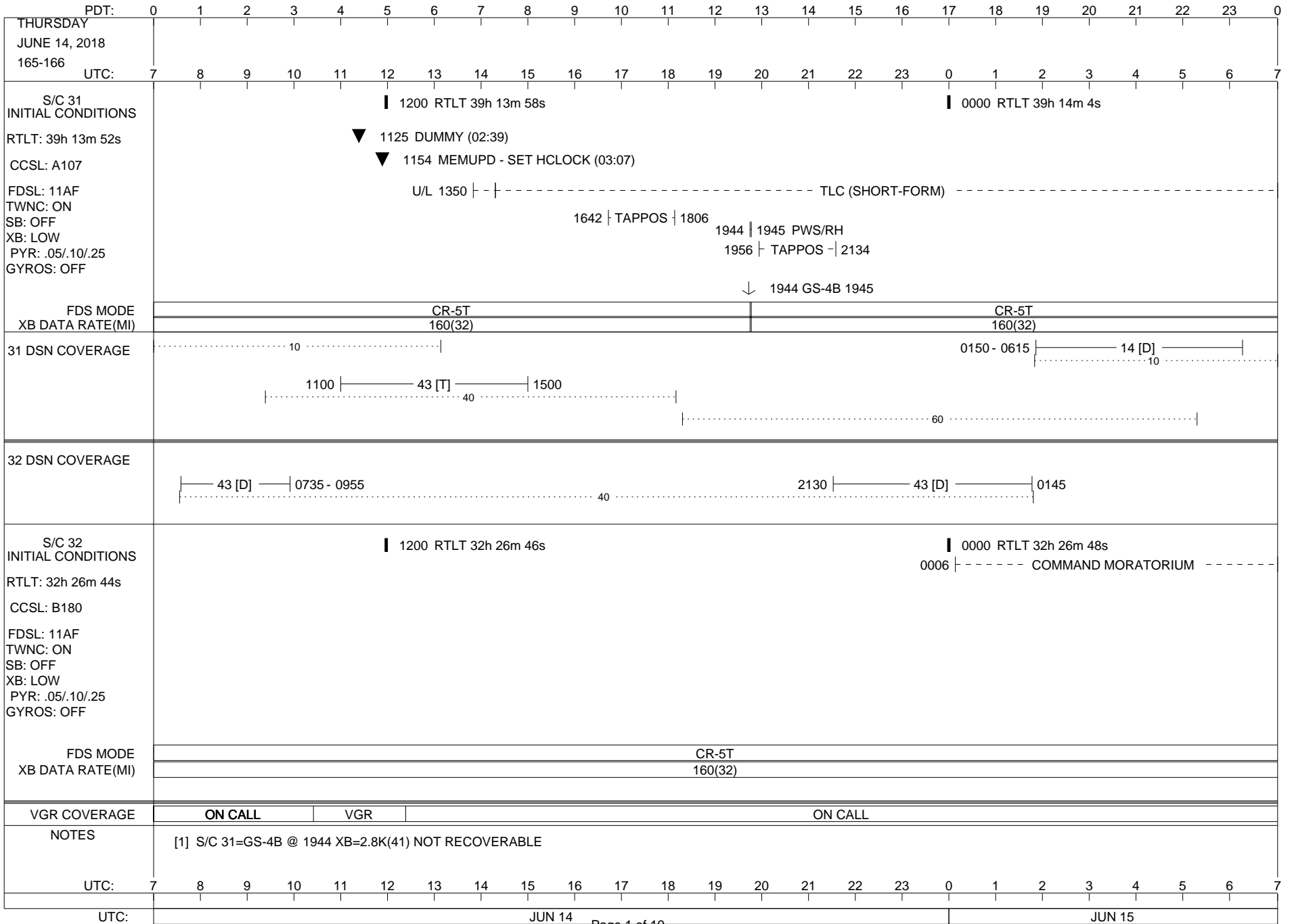
LEGEND:

- ∇ = 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

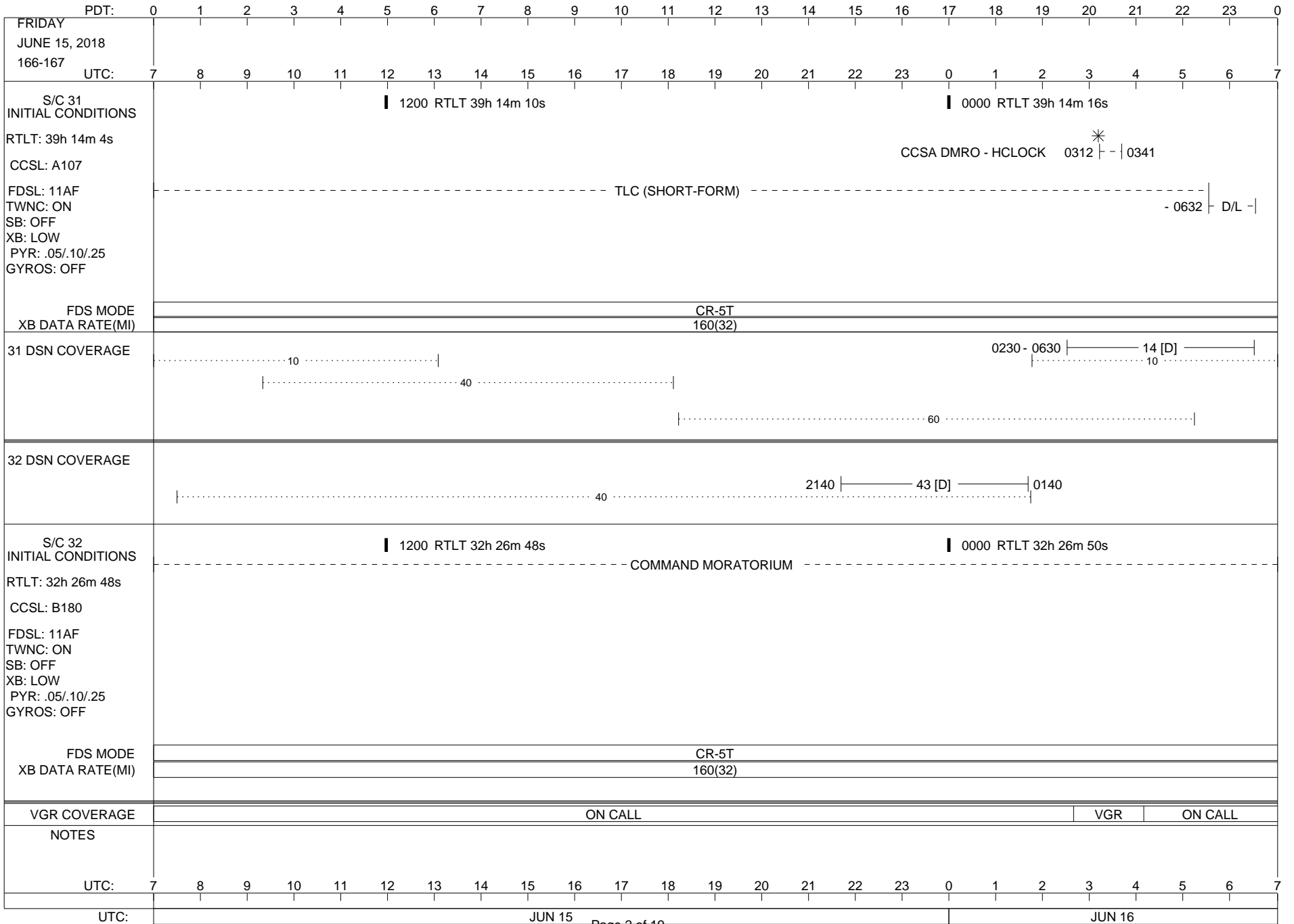
Posted at http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html

02/27/17

ISSUE DATE: 06/12/18 08:09



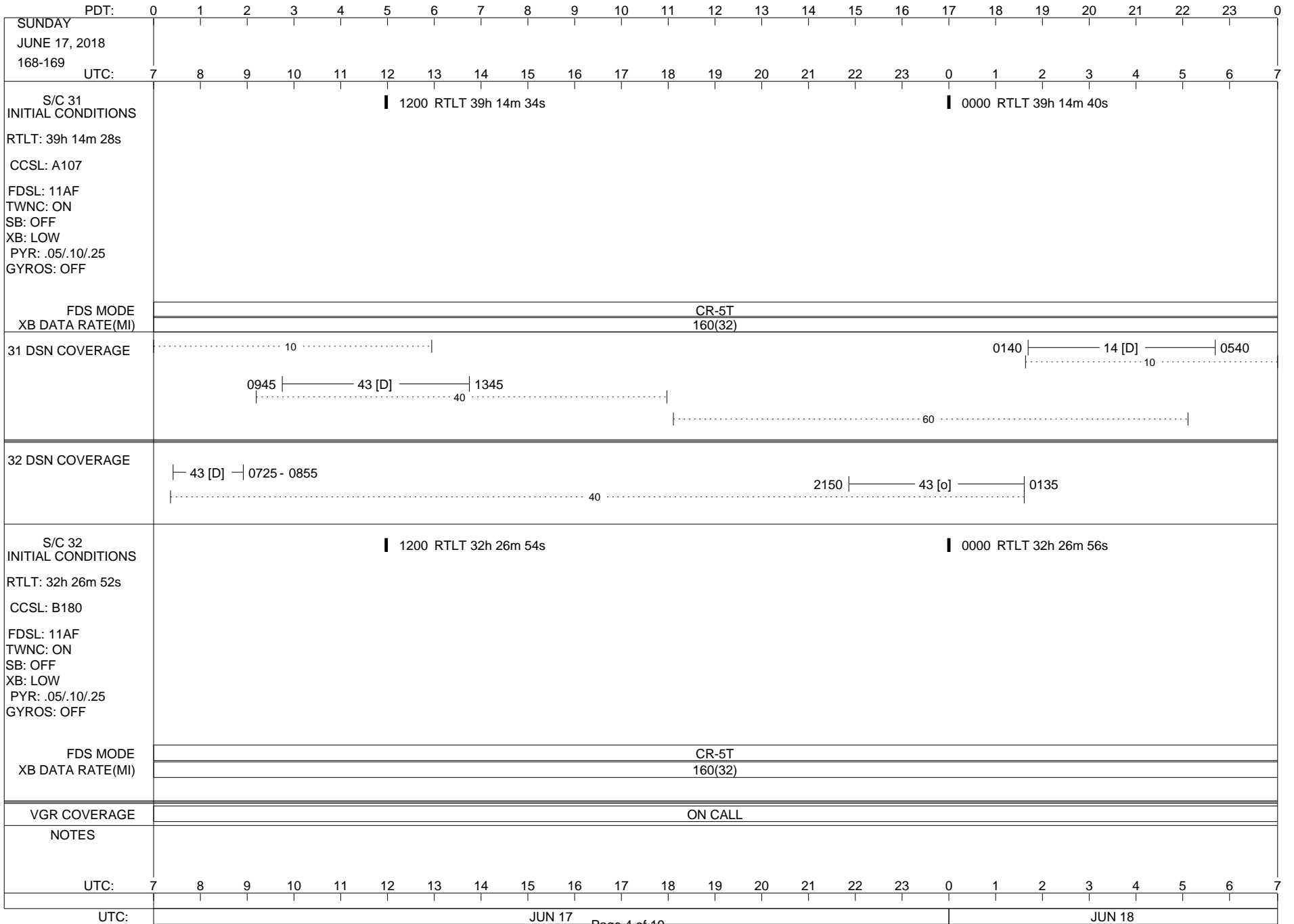
ISSUE DATE: 06/12/18 08:09



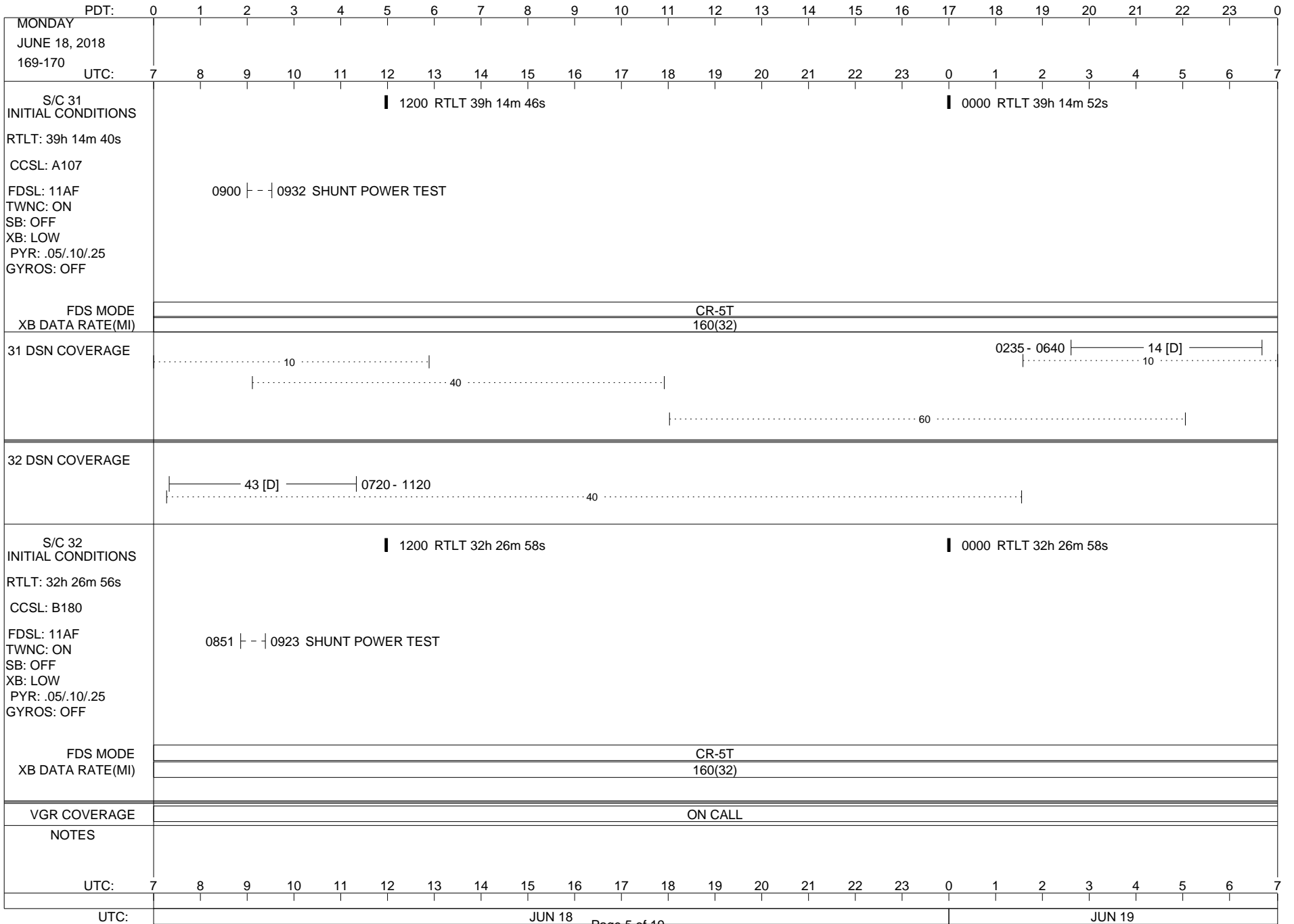
ISSUE DATE: 06/12/18 08:09

SATURDAY JUNE 16, 2018 167-168		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: 39h 14m 16s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 39h 14m 22s													0000 RTLT 39h 14m 28s														
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)													CR-5T 160(32)														
31 DSN COVERAGE		..... 10 ..... |----- 40 -----| ..... 60 ..... |----- 70 -----|													..... 10												
32 DSN COVERAGE		0800 |----- 43 [DAR] -----| 1230 0815 |----- 36 [DA] -----| 1030 40													0005 |----- 43 [D] -----| 0135														
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 50s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 32h 26m 52s COMMAND MORATORIUM													0000 RTLT 32h 26m 52s 2336														
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)													CR-5T 160(32)														
VGR COVERAGE		VGR													ON CALL														
NOTES		[1] S/C 31=GS-4B @ 2244 XB=2.8K(41) NOT RECOVERABLE [2] S/C 32 = D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (0907-1015)																											
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 16														JUN 17													

ISSUE DATE: 06/12/18 08:09



ISSUE DATE: 06/12/18 08:09



ISSUE DATE: 06/12/18 08:09

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 JUNE 19, 2018 170-171																									
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 14m 52s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 39h 14m 58s												█ 0000 RTLT 39h 15m 4s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	..... 10 .....|												..... 0235 |----- 14 [D] -----|												
	|----- 40 -----|												|----- 60 -----|												
32 DSN COVERAGE	0845 |----- 43 [D] -----| 1300												..... 40 -----|												
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 58s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 32h 27m 0s												█ 0000 RTLT 32h 27m 2s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1307 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 19												JUN 20												

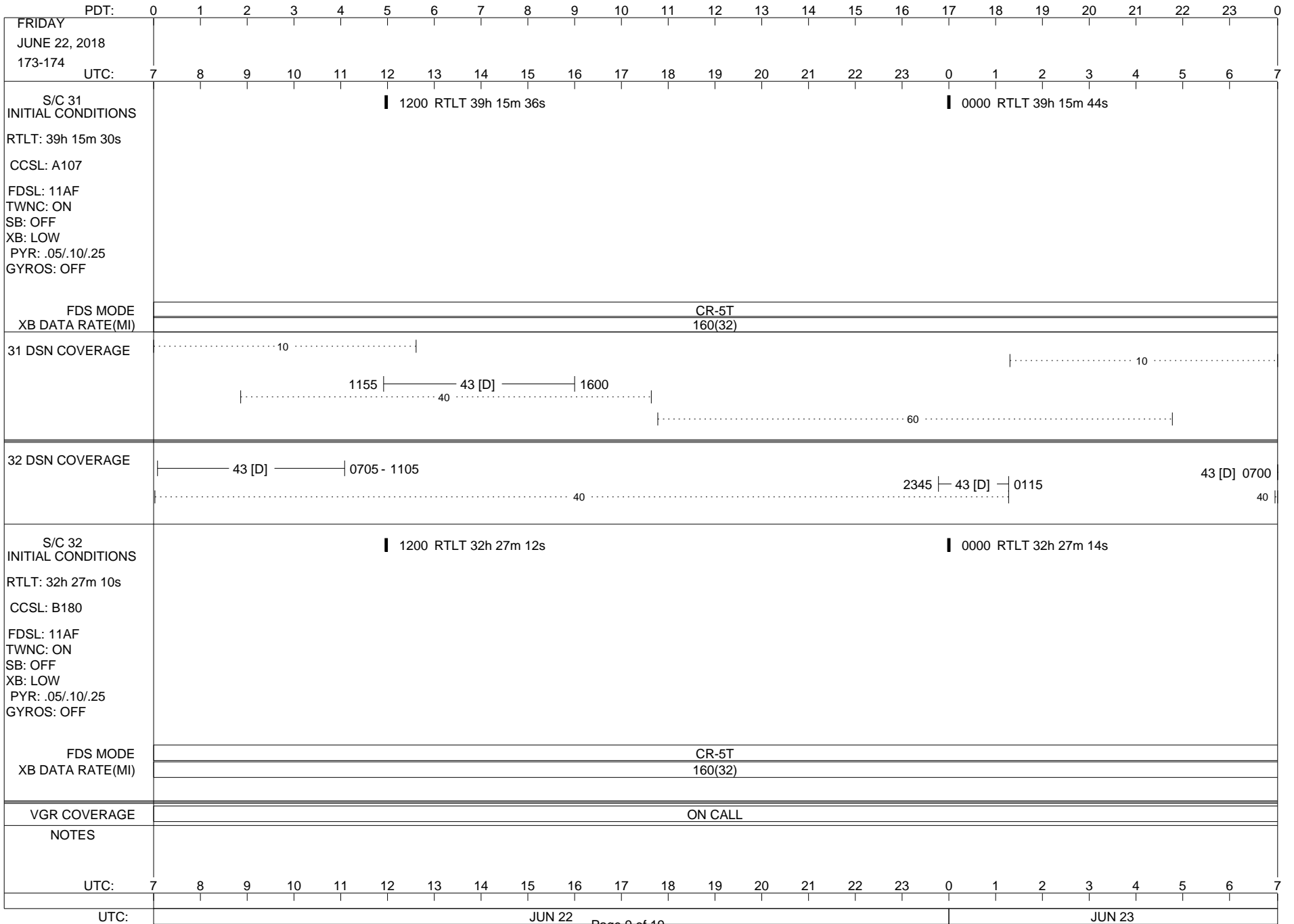
ISSUE DATE: 06/12/18 08:09

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
WEDNESDAY JUNE 20, 2018 171-172																									
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 15m 4s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 15m 10s												| 0000 RTLT 39h 15m 18s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	14 [D] | 0840												| 10												
	| 10												| 40												
													| 60												
32 DSN COVERAGE	43 [D] | 0710 - 1110												| 40												
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 2s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 27m 4s												| 0000 RTLT 32h 27m 6s												
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 20												JUN 21												

ISSUE DATE: 06/12/18 08:09

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
THURSDAY JUNE 21, 2018 172-173																									
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 15m 18s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 39h 15m 24s												| 0000 RTLT 39h 15m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	.....10.....|												|.....10.....											
	|.....1305|-----43 [D]-----|1710|												|.....60.....|												
32 DSN COVERAGE	|.....0815|-----43 [D]-----|1215|												|.....0005| 43 [B] |0115|												
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 6s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 32h 27m 8s												| 0000 RTLT 32h 27m 10s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												▼ 0037 DUMMY (5 MIN BRACKETED 09:05)												
VGR COVERAGE	ON CALL												VGR			ON CALL									
NOTES	[1] S/C 31=GS-4B @ 1920 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 21												JUN 22												

ISSUE DATE: 06/12/18 08:09



ISSUE DATE: 06/12/18 08:09

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	
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 JUNE 23, 2018 174-175																											
S/C 31 INITIAL CONDITIONS RTLTL: 39h 15m 44s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF		1200 RTLT 39h 15m 50s ▼ 1000 DUMMY (01:16) U/L 1025 | - | ----- TLC (SHORT-FORM) ----- 1919 | TAPPOS | 2043 2220 | 2222 PWS/RH 2232 | - - - - | 2343 TAPPOS ↓ 2220 GS-4B 2222													0000 RTLT 39h 15m 58s												
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)													CR-5T 160(32)												
31 DSN COVERAGE		0810 |----- 14 [T]-----| 1230 |----- 10-----| |----- 40-----| |----- 60-----|													..... 10												
32 DSN COVERAGE		43 [D] |-----| 0700 - 1100 |----- 40-----|													2155 |----- 43 [D]-----| 0110 |----- 40-----| 43 [D] 0655 40												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 27m 14s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF		1200 RTLT 32h 27m 16s													0000 RTLT 32h 27m 18s												
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)																									
VGR COVERAGE		ON CALL													ON CALL												
NOTES		[1] S/C 31=GS-4B @ 2220 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 23													JUN 24												

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 24, 2018 175-176																																														
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 39h 16m 4s											0000 RTLT 39h 16m 10s																																		
RTLT: 39h 15m 58s																																														
CCSL: A107	----- TLC (SHORT-FORM) -----																																													
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	+ D/L -| 0309																																													
FDS MODE XB DATA RATE(MI)														CR-5T 160(32)																																
31 DSN COVERAGE	.....|										0110 |----- 14 [D] -----| 0525										.....|																								
	0845 |----- 43 [D] -----|		1245						.....|						60						.....|																								
	40																																													
32 DSN COVERAGE	----- 0755 43 [D] -----																				2105 |----- 43 [D] -----| 0105																				40					
	40																																													
S/C 32 INITIAL CONDITIONS	1200 RTLT 32h 27m 20s											0000 RTLT 32h 27m 22s																																		
RTLT: 32h 27m 18s																																														
CCSL: B180																																														
FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF																																														
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 24													JUN 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															
MONDAY JUNE 25, 2018 176-177																																								
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 16m 10s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 16m 18s															█ 0000 RTLT 39h 16m 24s																			
FDS MODE													CR-5T																											
XB DATA RATE(MI)													160(32)																											
31 DSN COVERAGE 10 40 60										0110|-----14 [D]-----|0335| |-----10									
32 DSN COVERAGE 40 1725|-----43 [o]-----|2240									 40|.....|																			
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 22s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 27m 26s																																		
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 25														JUN 26																									

ISSUE DATE: 06/12/18 08:09

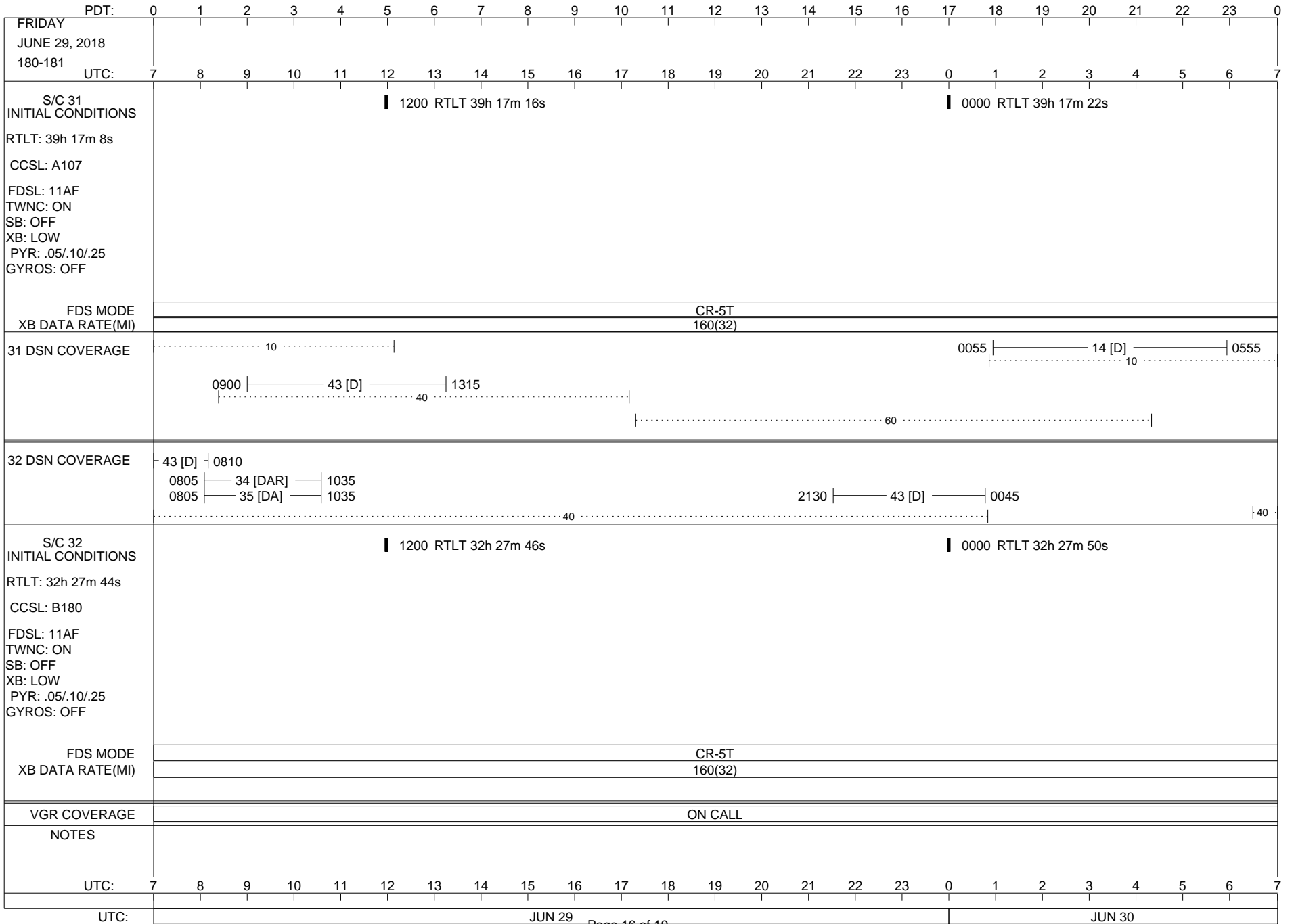
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
TUESDAY JUNE 26, 2018 177-178																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 39h 16m 24s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 16m 32s												0000 RTLT 39h 16m 40s													
	1244 | 1245 PWS/RH																									
	↓ 1244 GS-4B 1245																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	0910 | 43 [D] | 1330												0120 | 14 [D] | 0335													
	10												10													
	40												60													
32 DSN COVERAGE	1410 | 35 [DAR] | 1810												43 [D] 0645 |													
	1410 | 36 [DA] | 1810												40													
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 28s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 27m 30s												0000 RTLT 32h 27m 32s													
	1410 | PLSCAL - | 1553																									
	1410 | --- MAGCAL --- | 1713																									
	1410 | ---- PESCAL ---- | 1730																									
FDS MODE	CR-5T																									
XB DATA RATE(MI)	160(32)																									
VGR COVERAGE	ON CALL																									
NOTES	[1] S/C 31=GS-4B @ 1244 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 26												JUN 27													

ISSUE DATE: 06/12/18 08:09

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	
WEDNESDAY JUNE 27, 2018 178-179																										
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 16m 40s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 16m 46s												█ 0000 RTLT 39h 16m 54s								
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
31 DSN COVERAGE	..... 10 .....|												0100 |----- 14 [D] -----| 0335												
	|..... 40 .....|												|..... 10											
													|..... 60 .....|													
32 DSN COVERAGE	----- 43 [D] -----| 1205												40 .....|													
													40 |.....													
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 32s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 27m 36s												█ 0000 RTLT 32h 27m 38s								
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 27													JUN 28												

ISSUE DATE: 06/12/18 08:09

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
THURSDAY JUNE 28, 2018 179-180																									
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 16m 54s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 39h 17m 0s												█ 0000 RTLTL 39h 17m 8s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	0845 | 43 [D] | 1010												| 10												
32 DSN COVERAGE	1055 | 43 [D] | 1315												43 [D] 0635 |												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 27m 38s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLTL 32h 27m 40s												█ 0000 RTLTL 32h 27m 44s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE													ON CALL												
NOTES	[1] S/C 31=GS-4B @ 1857 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 28												JUN 29												



ISSUE DATE: 06/12/18 08:09

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
SATURDAY JUNE 30, 2018 181-182	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 17m 22s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 39h 17m 30s												0000 RTLTL 39h 17m 38s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	.....||.....40.....| |.....60.....|												0100 |-----14 [D]-----| 0505 |-----10-----|												
32 DSN COVERAGE	| 34 [DAR] | 0720 - 0855 | 36 [DA] | 0720 - 0855.....40.....|												2010 |-----43 [B]-----| 0030 43 [D] 0625 | |-----40-----|												
S/C 32 INITIAL CONDITIONS RTLTL: 32h 27m 50s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 32h 27m 52s												0000 RTLTL 32h 27m 56s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL												VGR			ON CALL									
NOTES	[1] S/C 31=GS-4B @ 2157 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 30												JUL 01												

ISSUE DATE: 06/12/18 08:09

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
SUNDAY JULY 1, 2018 182-183	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 17m 38s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 17m 46s												0000 RTLT 39h 17m 54s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	.....10.....|												.....0205 |-----14 [D]-----| 0445.....10.....											
	|.....40.....|																								
													|.....60.....|												
32 DSN COVERAGE	-----43 [D]-----| 1100												.....2025 |-----43 [D]-----| 0040.....40.....											
													43 [D] 0625 |												
S/C 32 INITIAL CONDITIONS RTLT: 32h 27m 56s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 27m 58s												0000 RTLT 32h 28m 2s												
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:	JUL 01												JUL 02												

ISSUE DATE: 06/12/18 08:09

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		
MONDAY JULY 2, 2018 183-184																												
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 17m 54s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		<p style="text-align: center;">█ 1200 RTLT 39h 18m 2s</p> <p style="text-align: center;">▼ 1100 DUMMY (02:18)</p>																										
FDS MODE																											CR-5T	
XB DATA RATE(MI)																											160(32)	
31 DSN COVERAGE		<p>.....10.....|</p> <p>0940 |-----43-----|1440</p> <p>|-----40-----|</p>																										
32 DSN COVERAGE		<p>43 [D] |-----0835-----</p> <p>1840 |-----43 [D]-----|2240</p>																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 28m 2s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		<p style="text-align: center;">█ 1200 RTLT 32h 28m 4s</p>																										
FDS MODE																											CR-5T	
XB DATA RATE(MI)																											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:		JUL 02															JUL 03											