

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: June 6, 2018

For the Period: 06/07/18 to 06/25/18 (18/158 – 18/176)

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.	

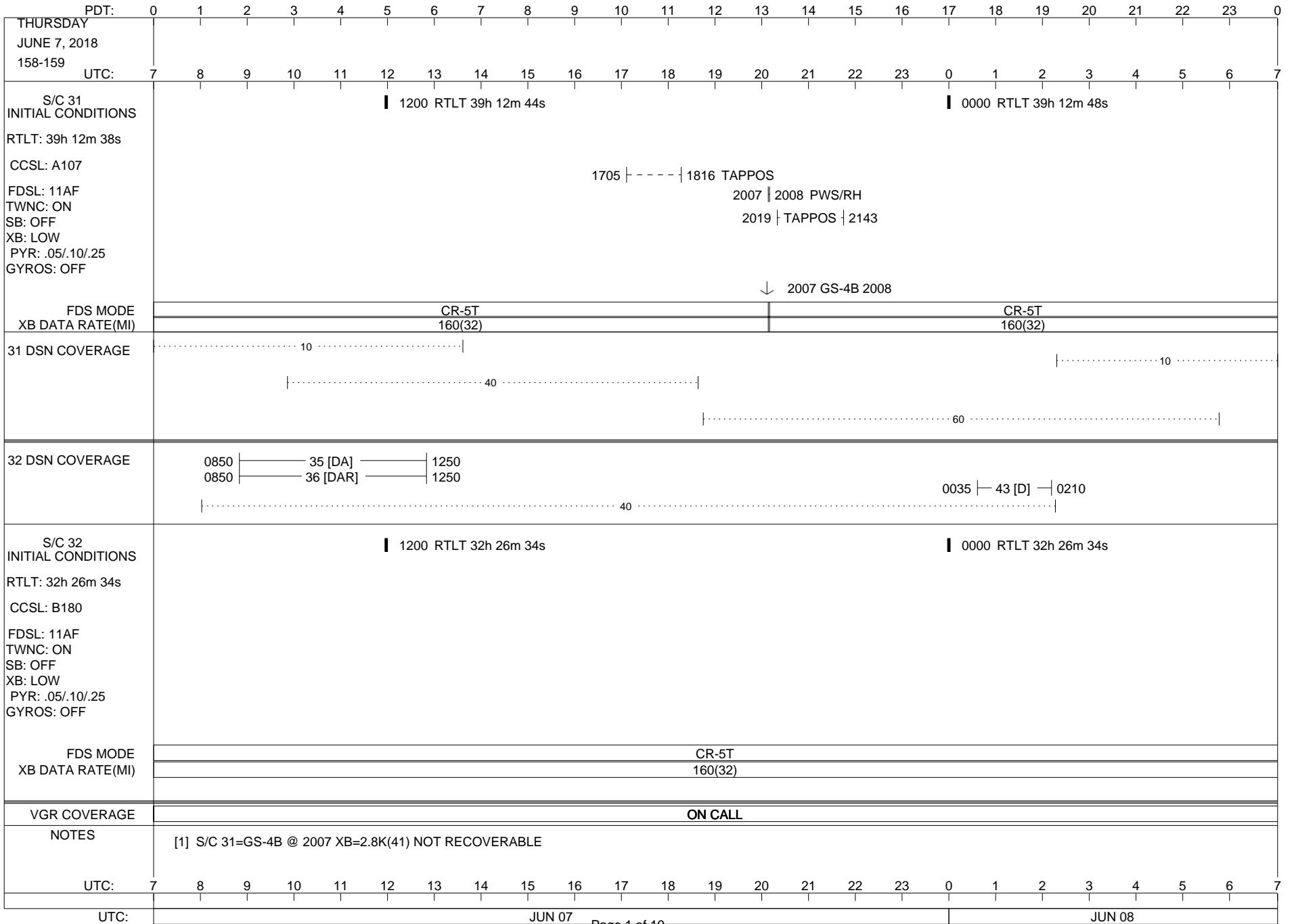
**LEGEND:**

- ∇ = 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](http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html)

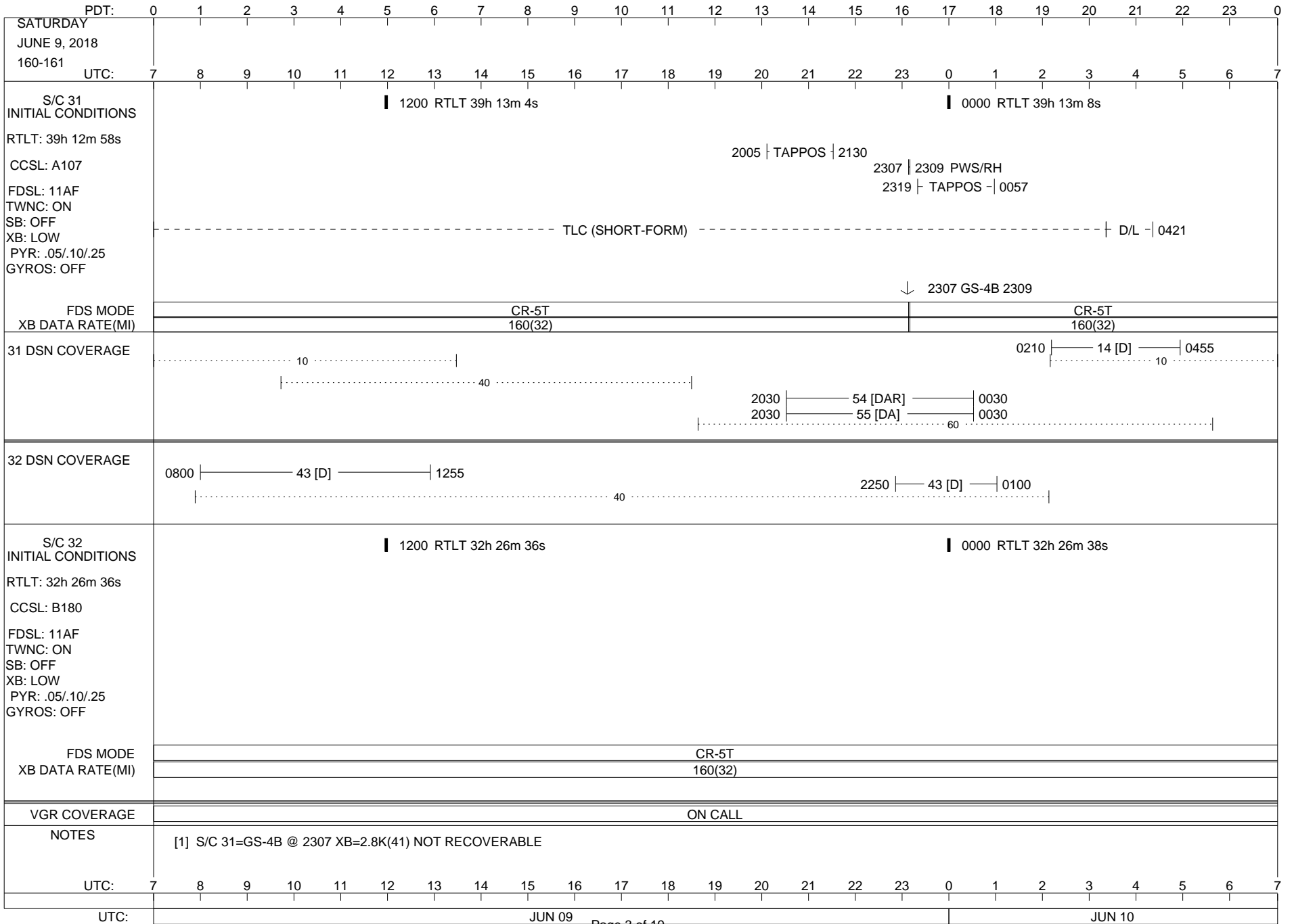
02/27/17

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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 RTLT 39h 13m 14s												0000 RTLT 39h 13m 20s																		
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)																		
31 DSN COVERAGE	.....  10 .....										.....  40 .....										.....  60 .....										0210  -----  14 [D]  -----  0610  -----  10  -----
32 DSN COVERAGE	0750  -----  43 [D]  -----  1255  -----  40  -----										.....  40 .....										2250  -----  43 [D]  -----  0200  -----  10  -----										
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 RTLT 32h 26m 38s												0000 RTLT 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																		

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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	1200 RTLT 39h 13m 24s												0000 RTLT 39h 13m 30s														
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																										
31 DSN COVERAGE	.....10.....										0220 - 0620  -----14 [D]-----																
	.....40.....										.....60.....																
32 DSN COVERAGE	.....40.....										1955  -----43 [B]----- 2340																
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 40s												0000 RTLT 32h 26m 40s COMMAND MORATORIUM 0631   -														
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												▼ 2037 DUMMY (5 MIN BRACKETED 05:04)														
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:	JUN 11												JUN 12														

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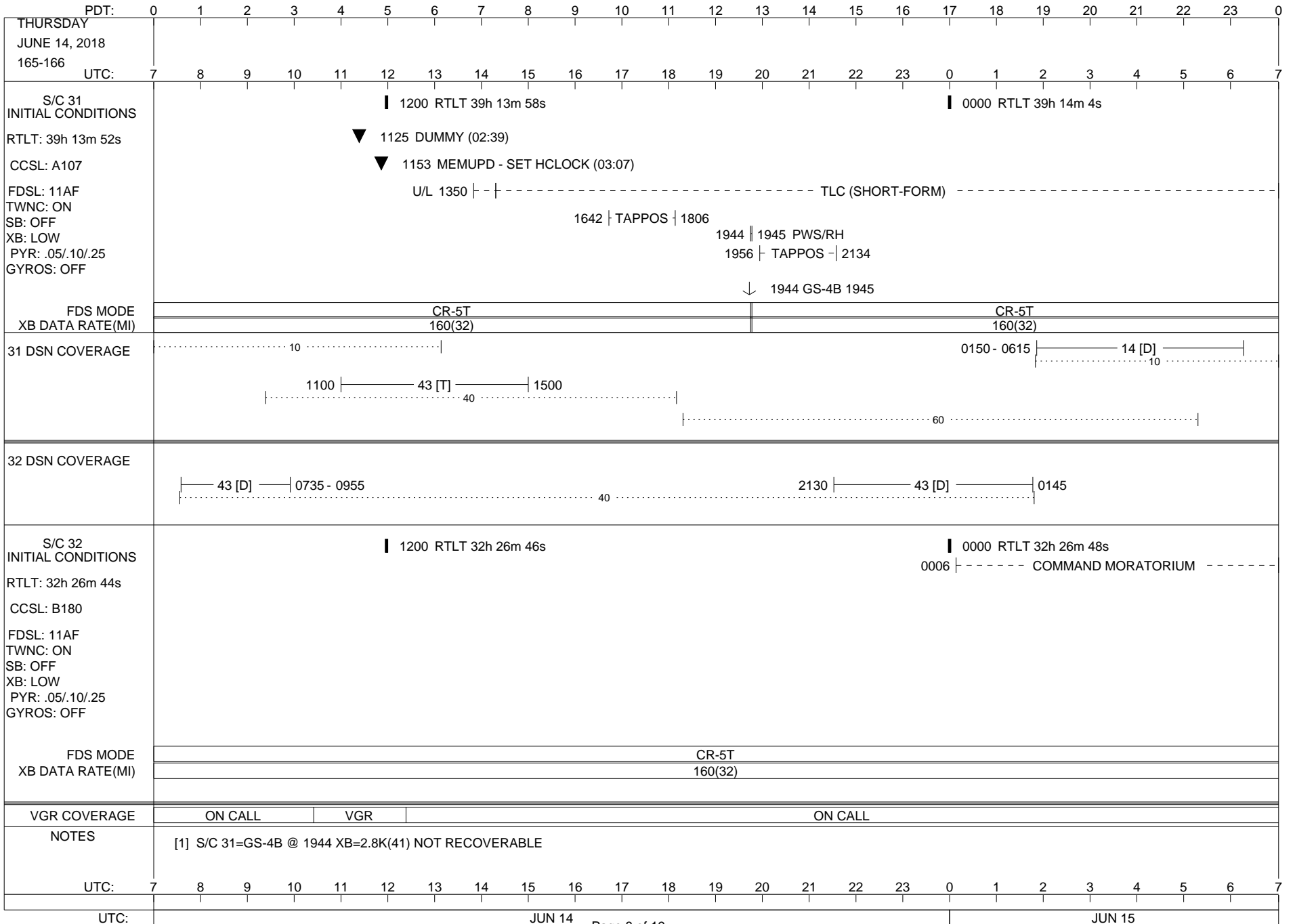
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TUESDAY JUNE 12, 2018 163-164	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 13m 30s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 13m 36s												0000 RTLT 39h 13m 40s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	.....   .....   .....										0225 - 0645  -----  14 [D]  -----   .....   .....														
32 DSN COVERAGE	0915  ---  43 [D]  ---  1040  .....										2110  -----  43 [D]  -----  0155  .....														
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 40s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 42s												0000 RTLT 32h 26m 42s												
FDS MODE XB DATA RATE(MI)	----- COMMAND MORATORIUM -----																								
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 1331 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 12												JUN 13												

ISSUE DATE: 06/06/18 08:03

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WEDNESDAY JUNE 13, 2018 164-165																									
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S/C 31 INITIAL CONDITIONS RTLT: 39h 13m 40s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 13m 46s												0000 RTLT 39h 13m 52s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	.....												.....												
	.....												.....												
	.....												.....												
32 DSN COVERAGE	1110  -----  43 [DA]  -----  1740												1740												
	1110  -----  35 [DAR]  -----  1740												2235   43 [D]   0000												
	.....												.....												
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 42s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 44s												0000 RTLT 32h 26m 44s												
	----- COMMAND MORATORIUM -----  0601																								
	↓ 1428 GYROS BC ON																								
	↓ 1428 BAY 1 HTR OFF																								
	↓ 1512 ALL DB=.IS																								
	↓ 1528 AAI																								
	1529  ---  1602 ASCAL																								
	↓ 1603 RAI																								
	1629  ---  1702 SSB ASCAL																								
	↓ 1706 GYROS OFF																								
	↓ 1714 BAY 1 HTR ON																								
	↓ 1715 YAW=.10 ROLL =.25																								
	↓ 1431												↓ 1719												
FDS MODE	CR-5T												EL-40												
XB DATA RATE(MI)	160(32)												40(30)												
													CR-5T												
													160(32)												
VGR COVERAGE	ON CALL												VGR												
													ON CALL												
NOTES	[1] S/C 32=EL-40 @ 1431 XB=40(30) [2] S/C 32=CR-5T @ 1719 XB=160(32)																								
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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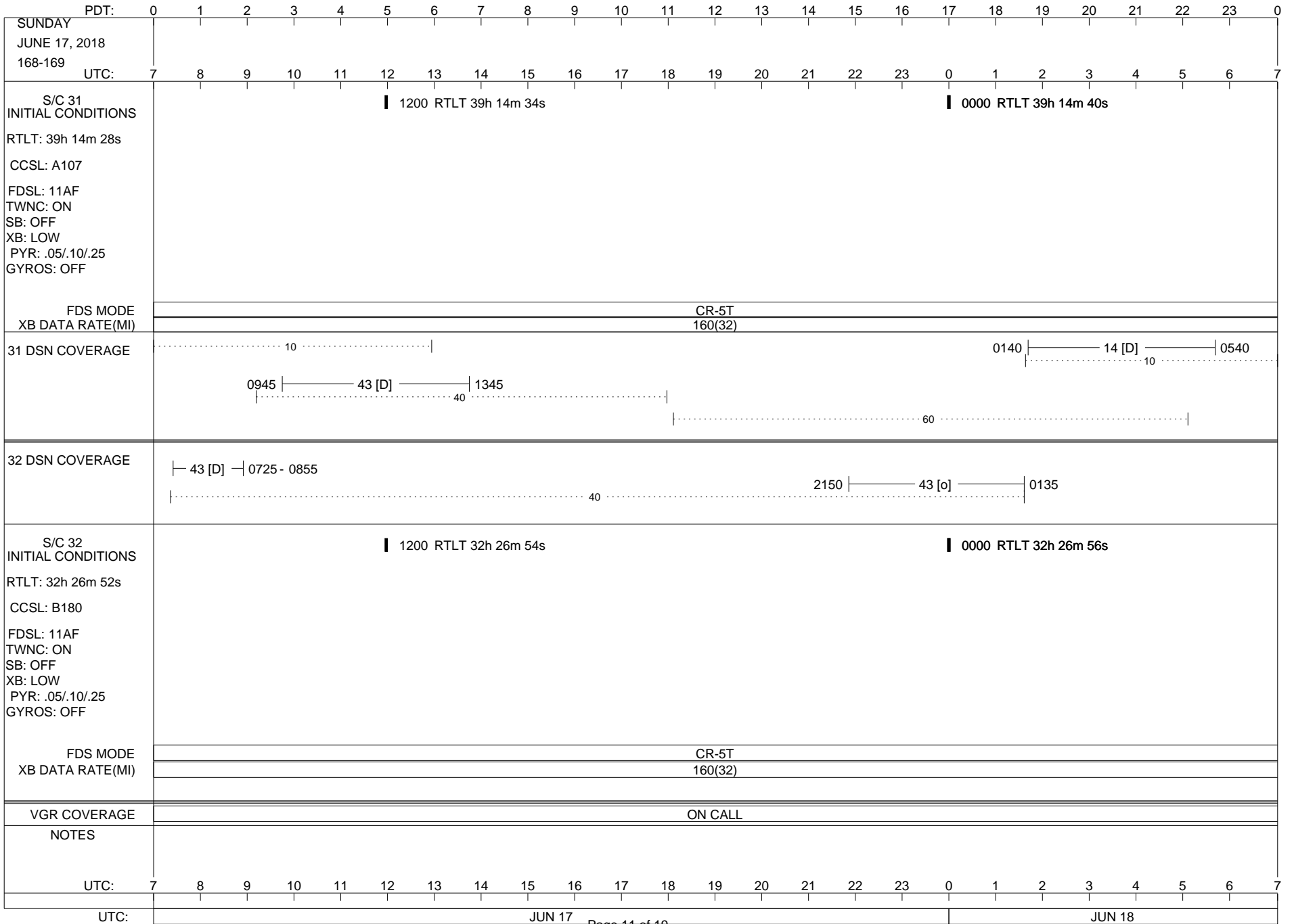
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FRIDAY JUNE 15, 2018 166-167																												
S/C 31 INITIAL CONDITIONS RTLT: 39h 14m 4s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 14m 10s												0000 RTLT 39h 14m 16s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	.....   .....40.....										0230 - 0630  -----14 [D]-----   .....10.....																	
32 DSN COVERAGE	.....40.....										2140  -----43 [D]----- 0140																	
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 48s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 48s												0000 RTLT 32h 26m 50s															
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:	JUN 15														JUN 16													

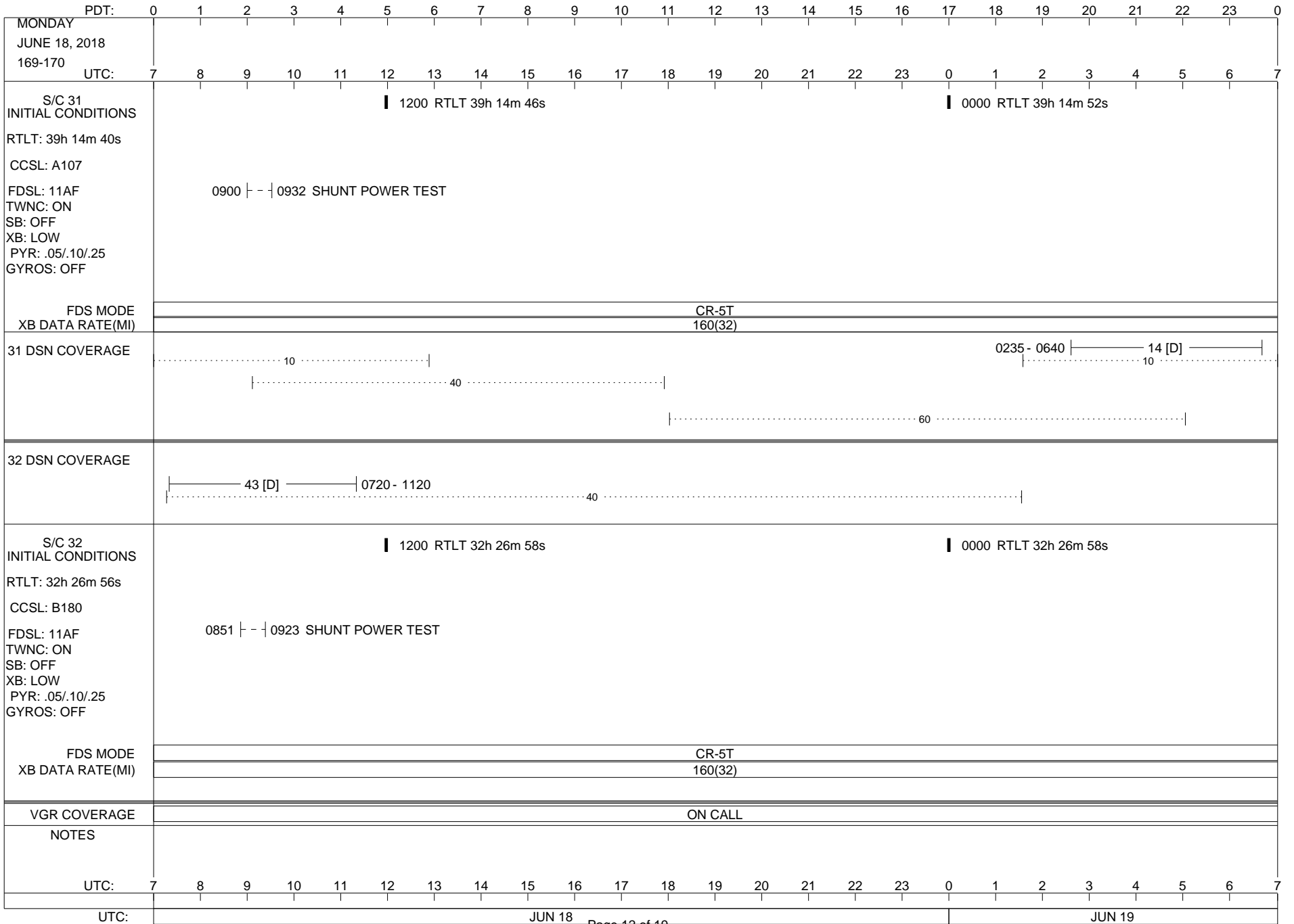
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SATURDAY JUNE 16, 2018 167-168																												
S/C 31 INITIAL CONDITIONS RTLTL: 39h 14m 16s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 14m 22s														0000 RTLT 39h 14m 28s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
31 DSN COVERAGE	<p>..... 10 .....  ..... 10 .....</p> <p>  ..... 40 ..... </p> <p>  ..... 60 ..... </p>																											
32 DSN COVERAGE	<p>0800  ----- 43 [DAR] -----  1230</p> <p>0815  --- 36 [DA] ---  1030</p> <p>..... 40 .....</p> <p>0005  --- 43 [D] ---  0135</p>																											
S/C 32 INITIAL CONDITIONS RTLTL: 32h 26m 50s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 52s														0000 RTLT 32h 26m 52s													
FDS MODE	CR-5T														CR-5T													
XB DATA RATE(MI)	160(32)														160(32)													
VGR COVERAGE	VGR														ON CALL													
NOTES	<p>[1] S/C 31=GS-4B @ 2244 XB=2.8K(41) NOT RECOVERABLE</p> <p>[2] S/C 32 = D/L AGC &amp; SNR VARIATIONS EXPECTED DURING MAGROL (0803-1024)</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:	JUN 16														JUN 17													

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ISSUE DATE: 06/06/18 08:03

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 XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	..... 10 .....												0235  ----- 14 [D] ----- ..... 10 .....												
	----- 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 XB DATA RATE(MI)													CR-5T 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: 06/06/18 08:03

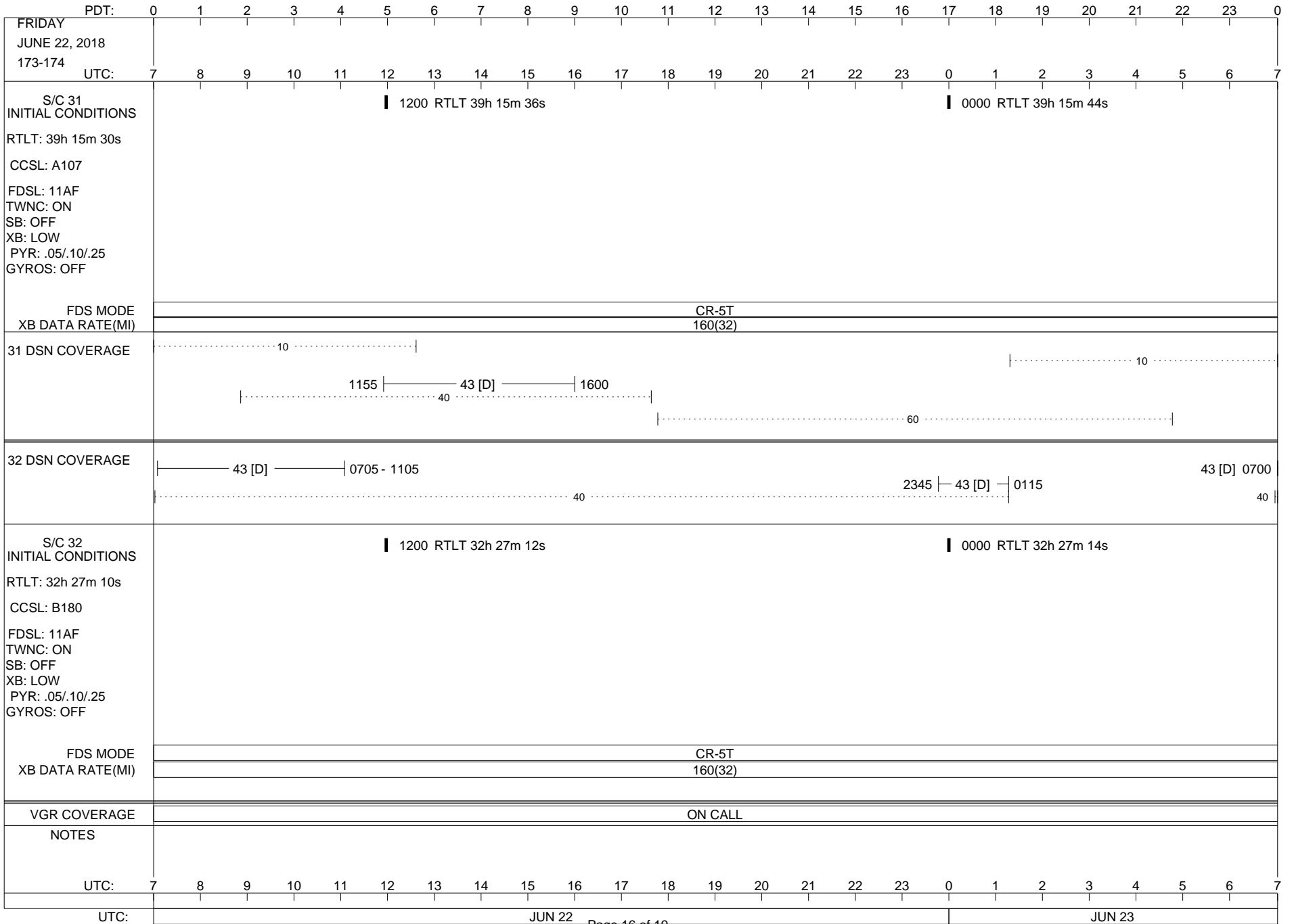
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WEDNESDAY JUNE 20, 2018 171-172																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 15m 4s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 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: 06/06/18 08:03

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	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	.....10.....												.....10.....													
	.....1305 -----43 [D]----- 1710												.....60.....													
	.....40.....																									
32 DSN COVERAGE	0815 -----43 [D]----- 1215												0005 43 [B] 0115													
	.....40.....												.....													
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	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 @ 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													



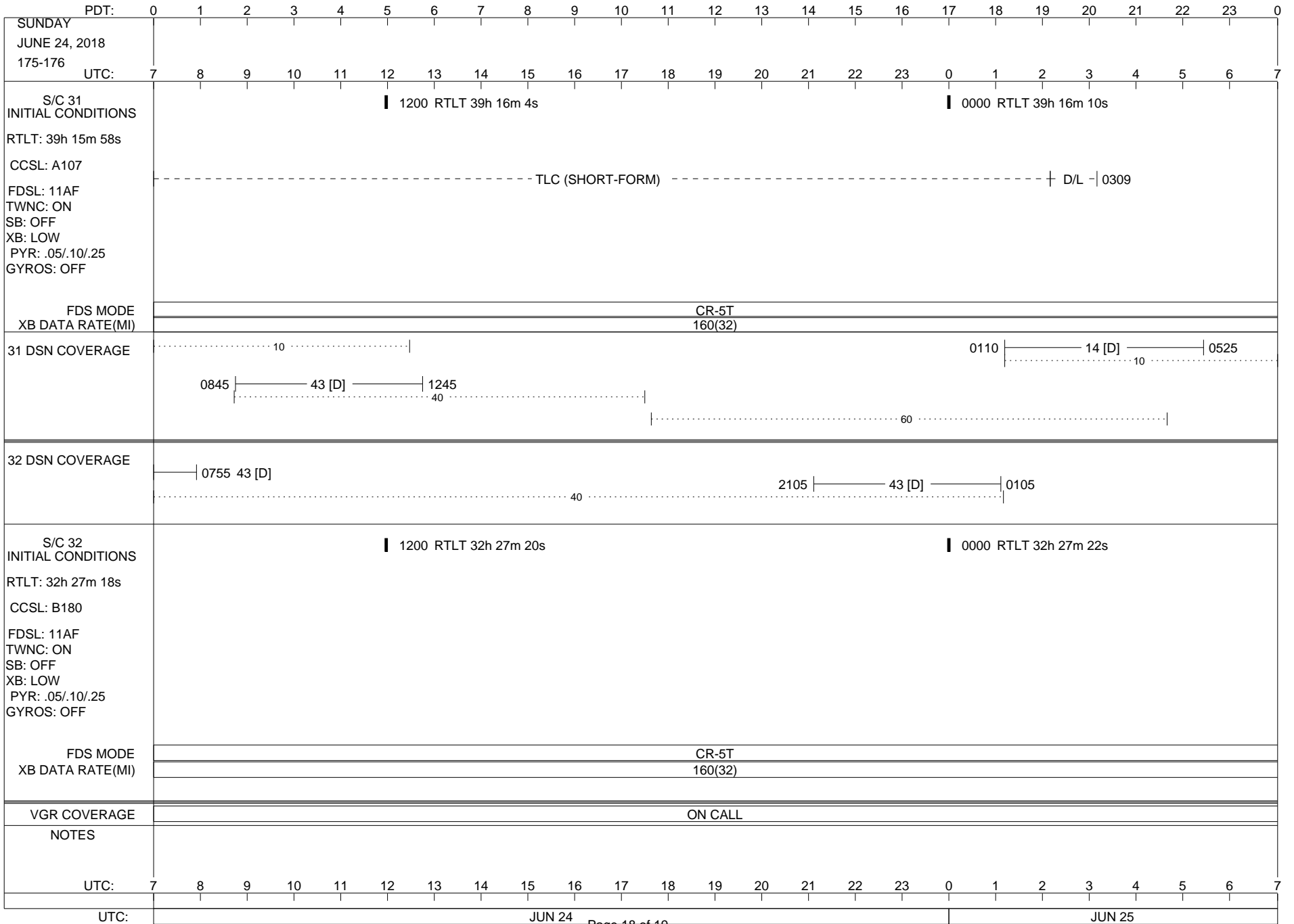
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ISSUE DATE: 06/06/18 08:03

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SATURDAY JUNE 23, 2018 174-175																												
S/C 31 INITIAL CONDITIONS RTLT: 39h 15m 44s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF		1200 RTLT 39h 15m 50s												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  -----  10  -----  40  -----  60  -----																										
32 DSN COVERAGE		43 [D]  -----  0700 - 1100  -----  2155  -----  43 [D]  -----  0110  -----  43 [D] 0655  -----  40  -----																										
S/C 32 INITIAL CONDITIONS RTLT: 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												VGR 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											

ISSUE DATE: 06/06/18 08:03



ISSUE DATE: 06/06/18 08:03

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																								
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE	..... 0.....   .....40.....																								
32 DSN COVERAGE	1710  -----43 [D]-----  2240																								
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 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 25												JUN 26												