

VOYAGER Space Flight Operations Schedule (SFOS)
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Issue Date: May 30, 2018

For the Period: 05/31/18 to 06/18/18 (18/151 – 18/169)

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

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 JUNE 1, 2018 152-153																												
S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 44s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 48s												0000 RTLT 39h 11m 54s															
FDS MODE XB DATA RATE(MI)	CR-5T												40(30)															
31 DSN COVERAGE	0710 14 [D]										0330 - 0700 | 14 [D]																	
32 DSN COVERAGE	0915 | 34 [DAR] | 1305 0915 | 35 [DA] | 1305										0050 | 43 [D] | 0235																	
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)															
VGR COVERAGE	ON CALL												VGR															
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 01														JUN 02													

ISSUE DATE: 05/29/18 11:58

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												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												

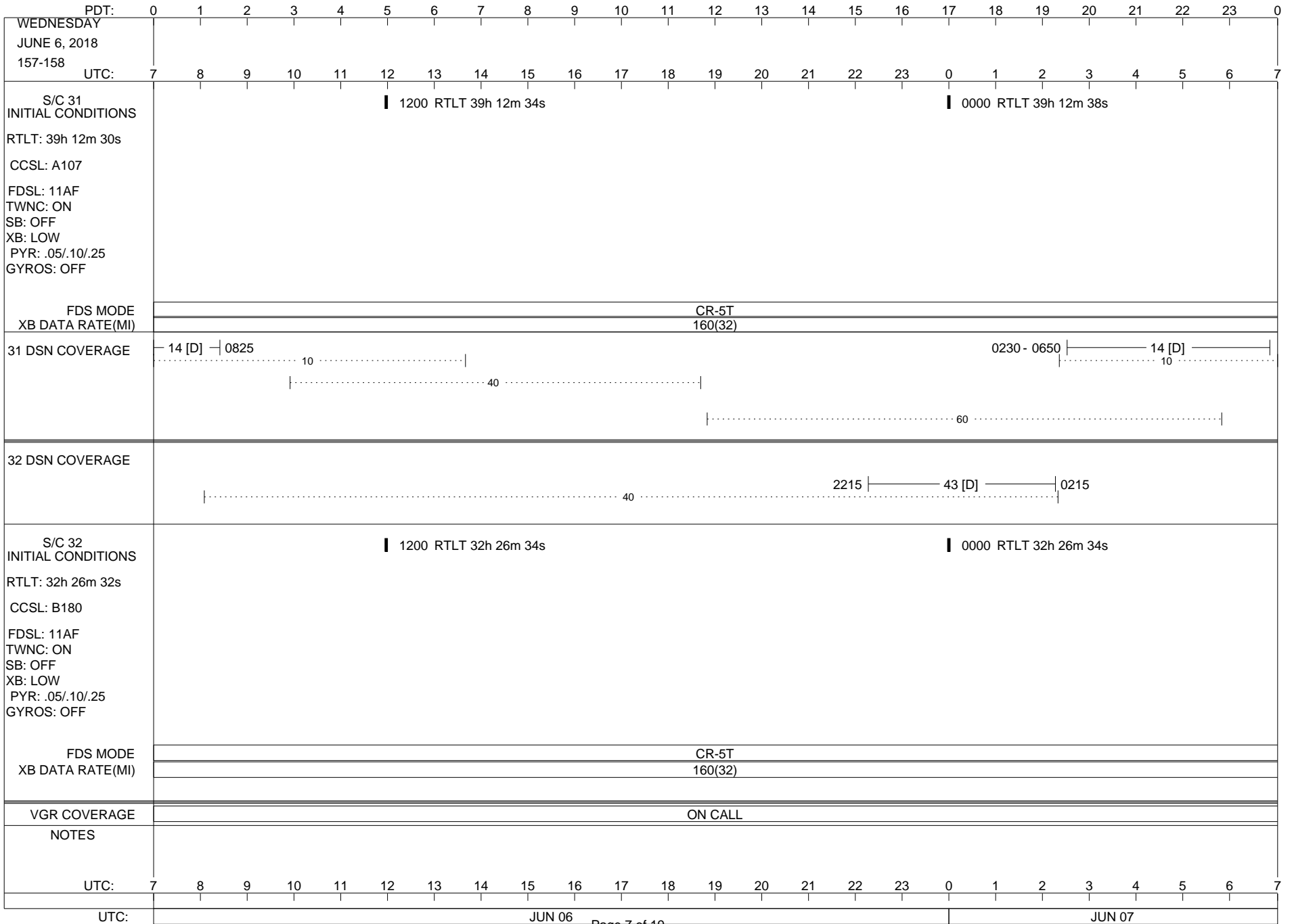
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SUNDAY JUNE 3, 2018 154-155	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 12m 2s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 12m 6s												0000 RTLT 39h 12m 10s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
31 DSN COVERAGE	0725 14 [D] .....| |.....40.....| |.....60.....|												0400 .....| 14 [D] ..... |.....10.....|												
32 DSN COVERAGE	0820 |-----43 [D]-----| 1220 |.....40.....|												0055 |---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)																								
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 03												JUN 04												

ISSUE DATE: 05/29/18 11:58

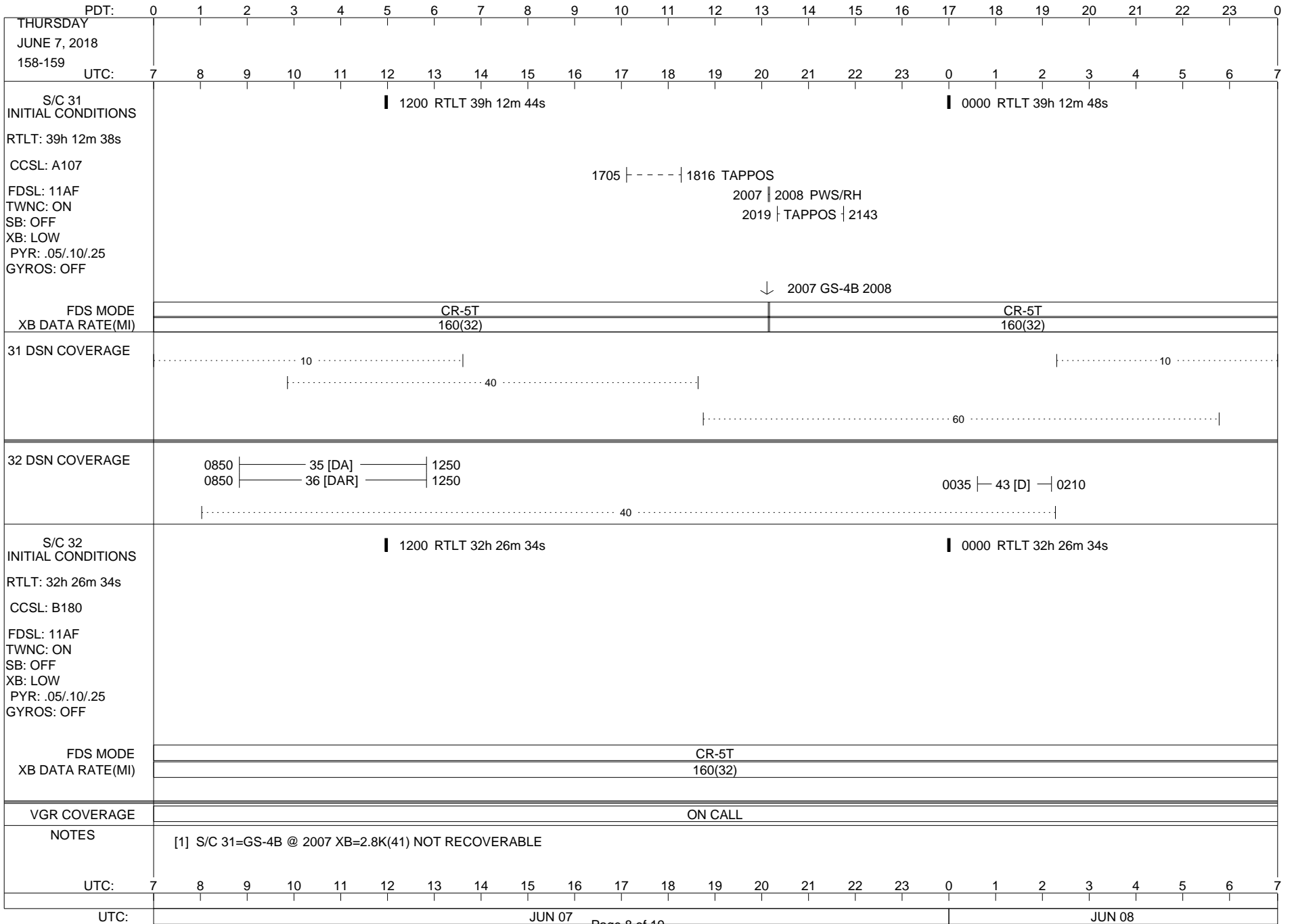
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MONDAY JUNE 4, 2018 155-156																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 39h 12m 10s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 39h 12m 16s												█ 0000 RTLT 39h 12m 20s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	14 [D] | 0825 |-----| |-----| |-----| |-----|										0230 |-----| 14 [D] |-----| 0450 0430 - 0630 |-----| 24 [DA] |-----| 0430 - 0630 |-----| 26 [DAR] |-----| |-----| |-----| |-----| |-----|															
32 DSN COVERAGE	0815 |-----| 43 [D] |-----| 1215 |-----| |-----| |-----|																									
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)													
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 04													JUN 05												

ISSUE DATE: 05/29/18 11:58

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												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 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												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												▼ 2342 DUMMY (5 MIN BRACKETED 08:09)												
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												

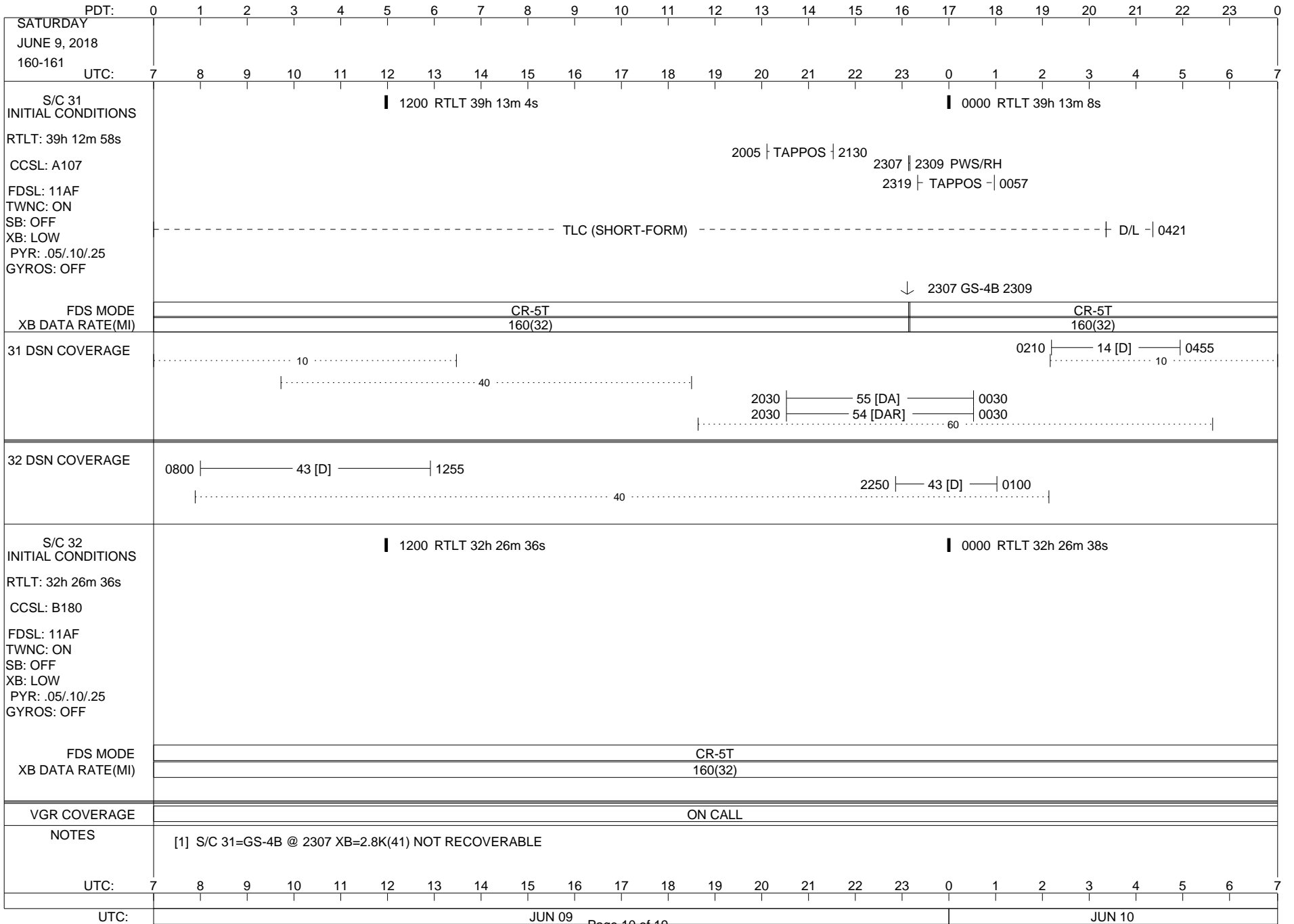


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FRIDAY JUNE 8, 2018 159-160																												
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7			
S/C 31 INITIAL CONDITIONS RTLT: 39h 12m 48s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	| 1200 RTLT 39h 12m 54s												| 0000 RTLT 39h 12m 58s															
	▼ 1115 DUMMY (02:28)												U/L 1140 | - | - - - - - TLC (SHORT-FORM) - - - - -															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	0900 |----- 14 [T] -----| 1330										0350 - 0620 |----- 14 [D] -----|																	
	|----- 10 -----|										|----- 10 -----|																	
	|----- 40 -----|										|----- 60 -----|																	
32 DSN COVERAGE	1115 |----- 35 [DA] -----| 1515										0030 | 43 [D] | 0145																	
	1115 |----- 36 [DAR] -----| 1515										|----- 40 -----|																	
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 36s												| 0000 RTLT 32h 26m 36s															
	1335 | | 1344 CCSTIMB FINE																											
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 08														JUN 09													

ISSUE DATE: 05/29/18 11:58



ISSUE DATE: 05/29/18 11:58

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													CR-5T													
XB DATA RATE(MI)													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													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 10													JUN 11												

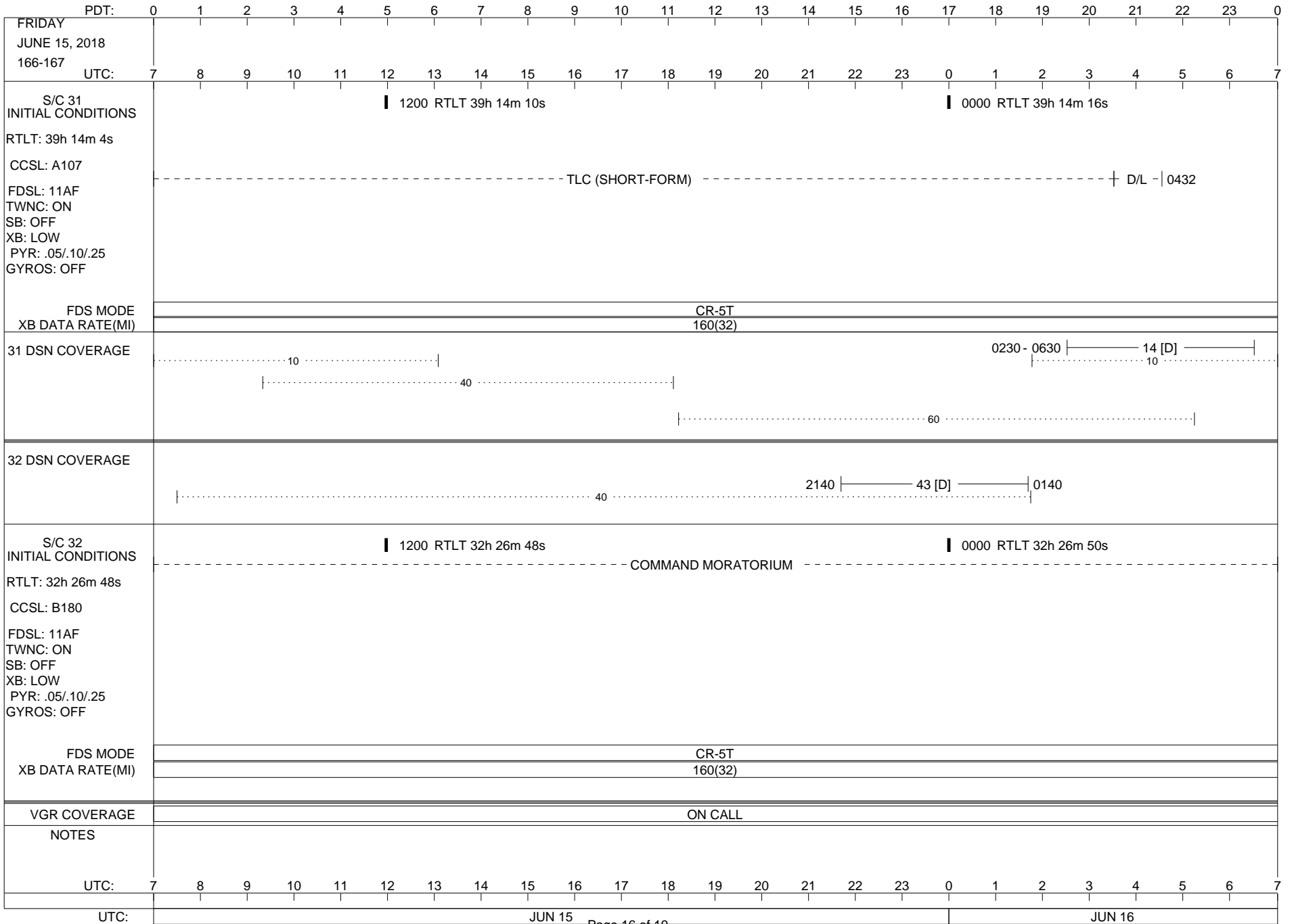
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MONDAY JUNE 11, 2018 162-163	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 13m 20s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 13m 24s												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.....|										1940 |-----43 [D]-----| 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)																								
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												

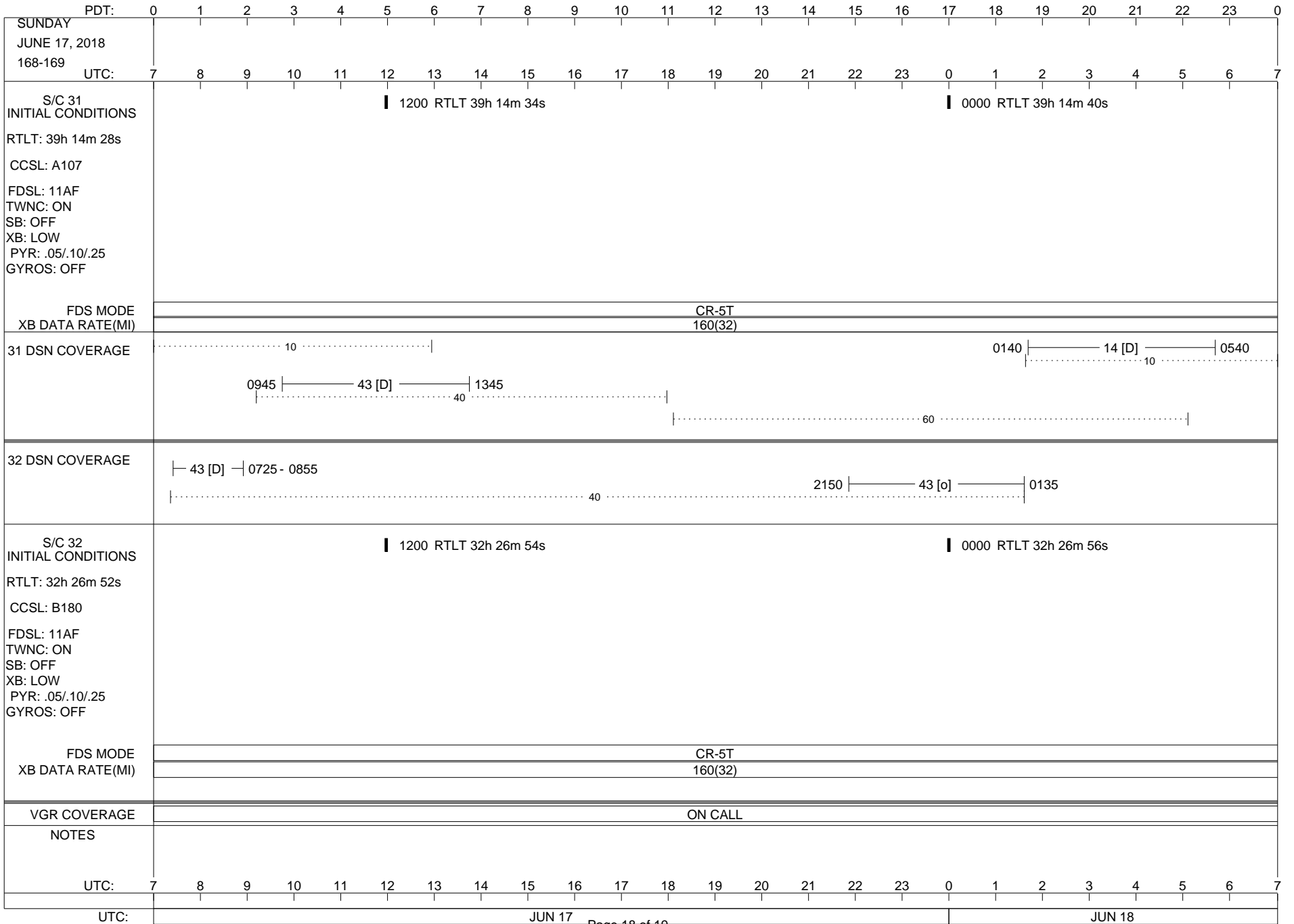
ISSUE DATE: 05/29/18 11:58

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 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												
	1331 | 1331 PWS/RH																								
	↓ 1331 GS-4B 1331																								
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	.....|										0225 - 0645 |----- 14 [D] -----|														
	|.....40.....|										|.....60.....|														
32 DSN COVERAGE	0915 | 43 [D] | 1040										2110 |----- 43 [D] -----| 0155														
	|.....40.....|										|.....|													
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												
	----- COMMAND MORATORIUM -----																								
FDS MODE	CR-5T																								
XB DATA RATE(MI)	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												

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 JUNE 14, 2018 165-166																												
S/C 31 INITIAL CONDITIONS RTLTL: 39h 13m 52s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 13m 58s												0000 RTLT 39h 14m 4s															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
31 DSN COVERAGE	1100 |-----| 43 [T] |-----| 1500												0150-0615 |-----| 14 [D] |-----|															
32 DSN COVERAGE	43 [D] |-----| 0735 - 0955												2130 |-----| 43 [D] |-----| 0145															
S/C 32 INITIAL CONDITIONS RTLTL: 32h 26m 44s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 26m 46s												0000 RTLT 32h 26m 48s 0006 |-----| COMMAND MORATORIUM |-----|															
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)															
VGR COVERAGE	ON CALL												ON CALL															
NOTES	[1] S/C 31=GS-4B @ 1944 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 14														JUN 15													

ISSUE DATE: 05/29/18 11:58





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 18, 2018 169-170																									
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 40s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 39h 14m 46s</p> <p style="text-align: center;">0857 | - | 0929 SHUNT POWER TEST</p>																								
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	<p>..... 10 .....</p> <p> |..... 40</p>																								
32 DSN COVERAGE	<p>|----- 43 [D] -----| 0720 - 1120</p>																								
S/C 32 INITIAL CONDITIONS RTLT: 32h 26m 56s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	<p style="text-align: center;">█ 1200 RTLT 32h 26m 58s</p> <p style="text-align: center;">0850 | - | 0922 SHUNT POWER TEST</p>																								
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 18												JUN 19												