

<b>VOYAGER</b> <b>Space Flight Operations Schedule (SFOS)</b>
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Issue Date: July 25, 2018

For the Period: 07/26/18 to 08/13/18 (18/207 – 18/225)

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.	

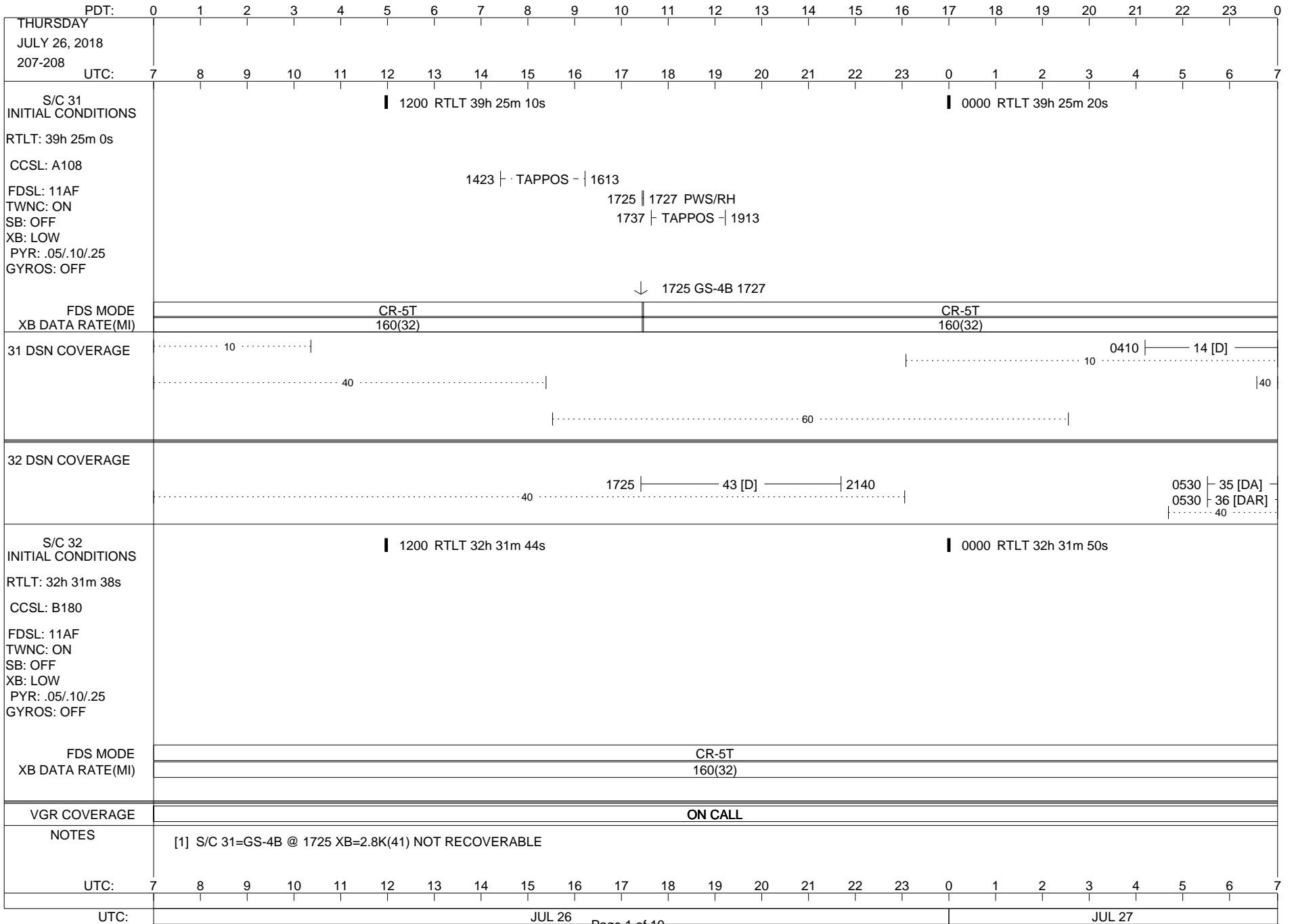
**LEGEND:**

- ∇ = 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

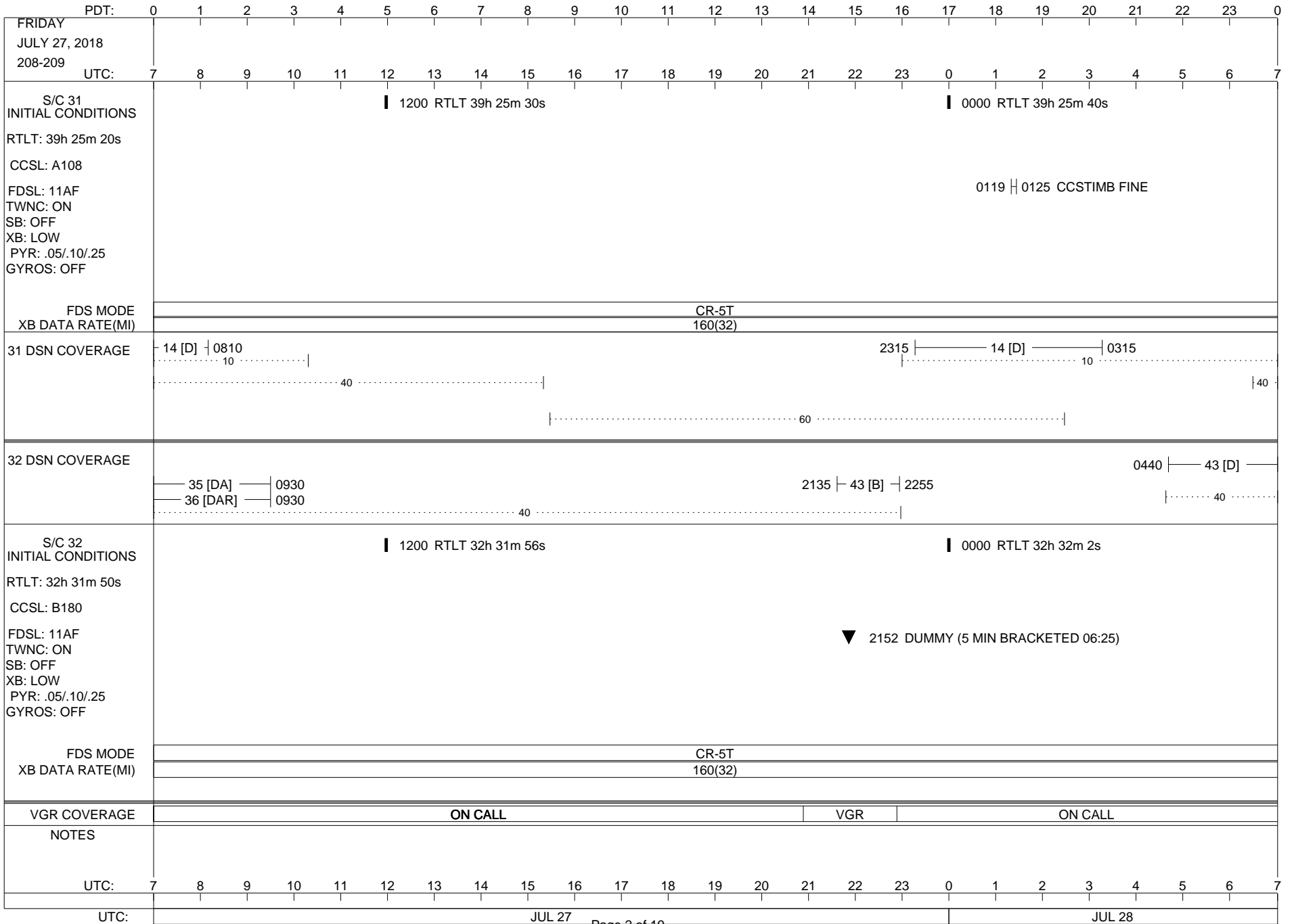
Posted at [http://voyager.jpl.nasa.gov/mission/soesfos/tracking\\_schedule.html](http://voyager.jpl.nasa.gov/mission/soesfos/tracking_schedule.html)

02/27/17

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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 JULY 28, 2018 209-210	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 25m 40s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 25m 50s												0000 RTLT 39h 26m 0s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	.....10.....										.....10.....										0135  -----14 [D]-----		.....40.....			
32 DSN COVERAGE	-----43 [D]----- 0840										.....40.....										0435 - 0645  -----43 [D]-----		.....40.....			
S/C 32 INITIAL CONDITIONS RTLT: 32h 32m 2s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 32m 8s												0000 RTLT 32h 32m 14s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																									
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 2025 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:	JUL 28													JUL 29												

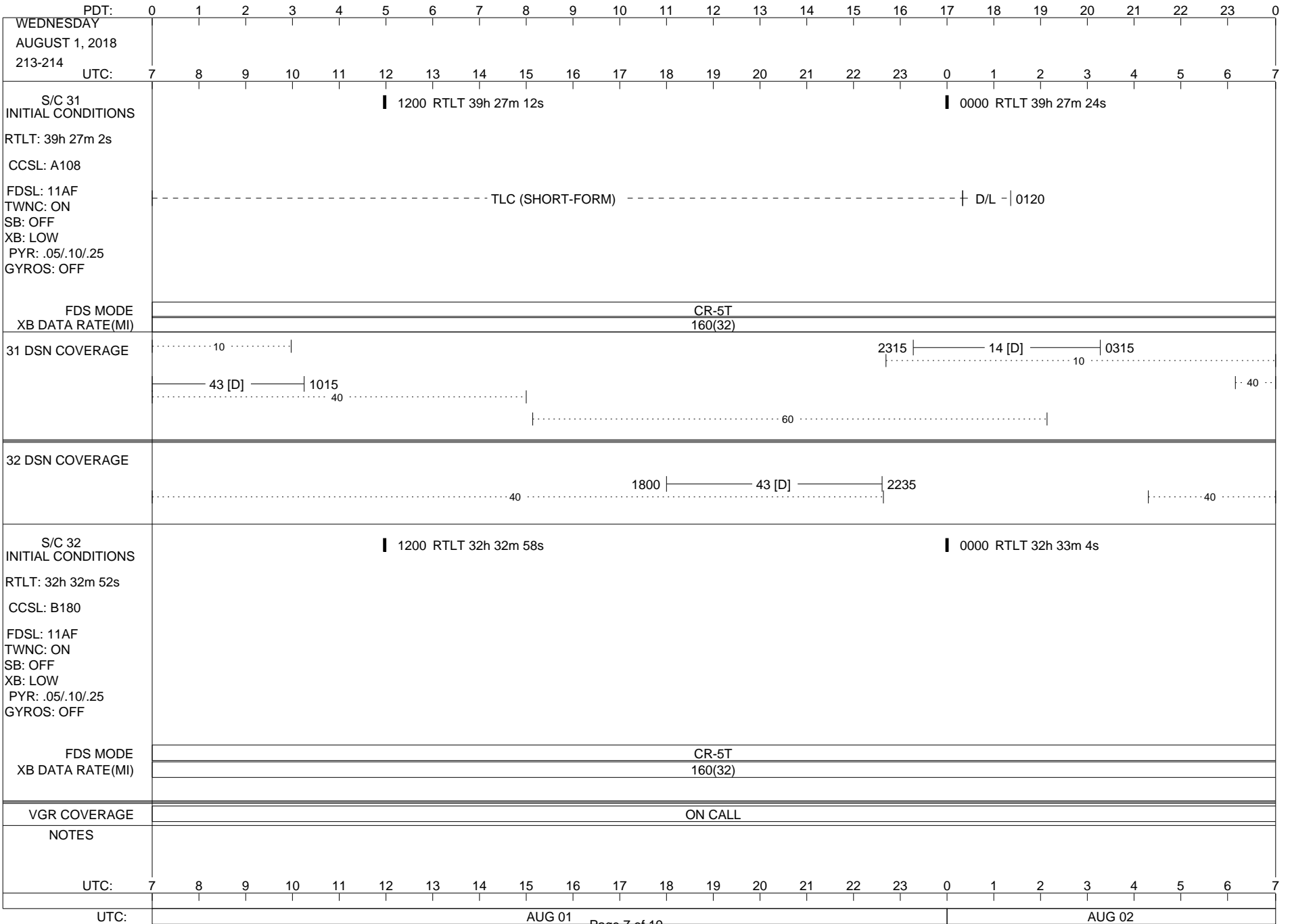
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	
SUNDAY JULY 29, 2018 210-211	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 39h 26m 0s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 26m 10s												0000 RTLT 39h 26m 22s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	0705 14 [D] .....    ..... 40 .....												2255  ----- 14 [D] -----  0255   ..... 10 .....    ..... 60 .....													
32 DSN COVERAGE	..... 40 .....												1825  ----- 43 [D] -----  2245   ..... 40 .....													
S/C 32 INITIAL CONDITIONS RTLT: 32h 32m 14s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 32m 20s												0000 RTLT 32h 32m 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:	JUL 29													JUL 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
MONDAY JULY 30, 2018 211-212																									
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 26m 22s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	1200 RTLT 39h 26m 32s												0000 RTLT 39h 26m 42s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	..... 10 .....												2330  —— 14 [D] ——  0150												
	..... 40 .....												..... 10 .....												
	..... 60 .....												43 [T] 0620  —— 40 ..												
32 DSN COVERAGE	..... 40 .....												1740  —— 43 [D] ——  2140												
	..... 40 .....												..... 40 .....												
S/C 32 INITIAL CONDITIONS RTLT: 32h 32m 26s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/.25 GYROS: OFF	1200 RTLT 32h 32m 32s												0000 RTLT 32h 32m 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:	JUL 30												JUL 31												



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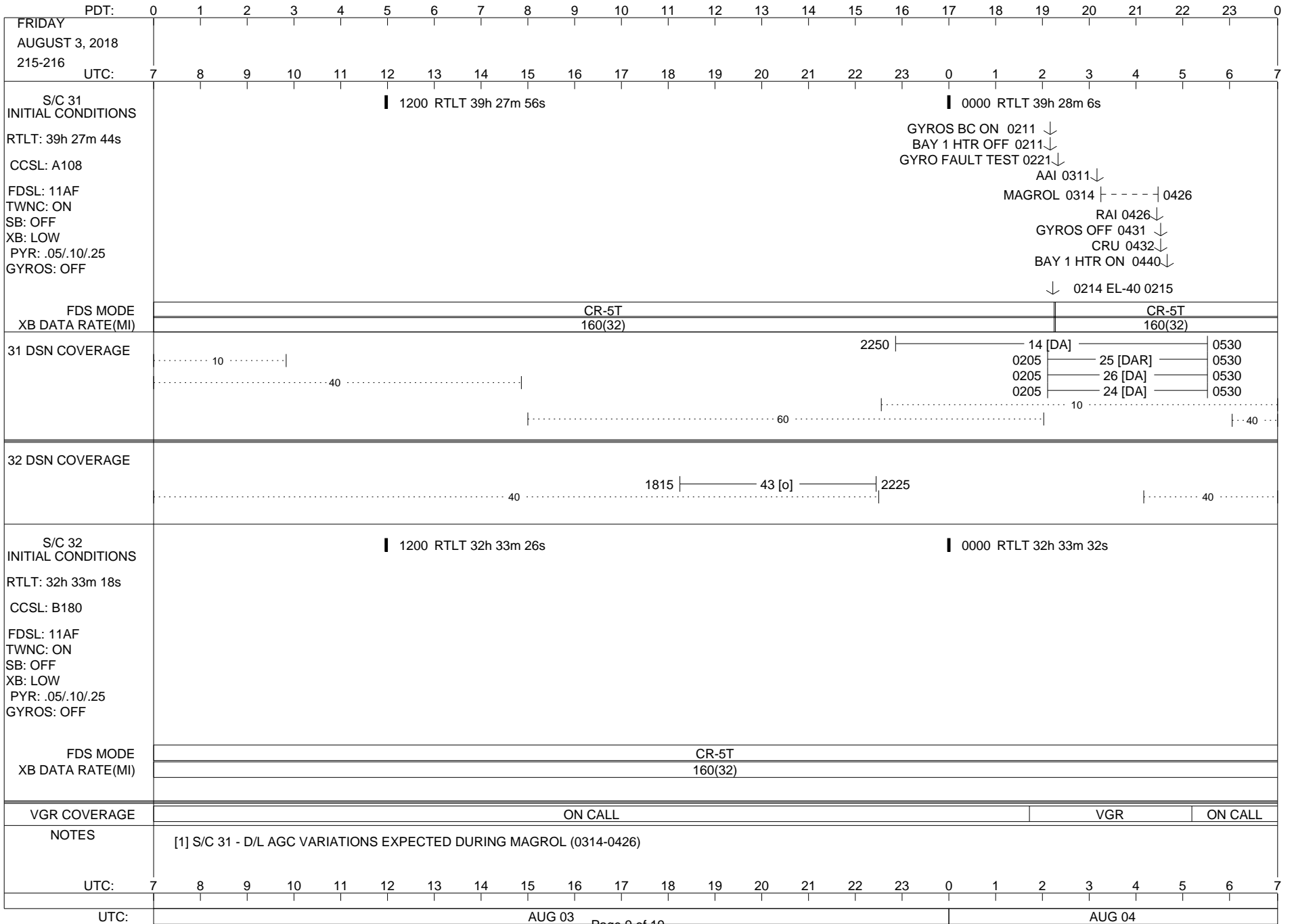




ISSUE DATE: 07/25/18 11:32

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 AUGUST 2, 2018 214-215																											
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 27m 24s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 39h 27m 34s												0000 RTLTL 39h 27m 44s														
	1401   TAPPOS   1536												1702   1704 PWS/RH														
													1714   TAPPOS   1836														
													↓ 1702 GS-4B 1704														
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE	..... 10 .....												..... 0200  ----- 14 [D] -----  0600														
	..... 40 .....												..... 10 .....														
	..... 60 .....												..... 40 .....														
32 DSN COVERAGE	..... 40 .....												1810  ----- 43 [D] -----  2215														
	..... 40 .....												..... 40 .....														
S/C 32 INITIAL CONDITIONS RTLTL: 32h 33m 4s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 32h 33m 12s												0000 RTLTL 32h 33m 18s														
FDS MODE													CR-5T														
XB DATA RATE(MI)													160(32)														
VGR COVERAGE													ON CALL														
NOTES	[1] S/C 31=GS-4B @ 1702 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:	AUG 02														AUG 03												

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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 AUGUST 4, 2018 216-217	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 28m 6s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 28m 16s												0000 RTLT 39h 28m 26s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	10												0330   14   10												
	40												1955   54 [DAR]   2150 1955   55 [DA]   2150												
													60												
32 DSN COVERAGE	40												1630   43 [D]   2225												
													0405   43 [D]   0605												
S/C 32 INITIAL CONDITIONS RTLT: 32h 33m 32s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 33m 38s												0000 RTLT 32h 33m 46s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																							VGR	
NOTES	[1] S/C 31=GS-4B @ 2003 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:	AUG 04												AUG 05												

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 AUGUST 5, 2018 217-218	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 28m 26s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 28m 38s												0000 RTLT 39h 28m 48s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	0715 14   ..... 10 .....     ..... 40 .....     ..... 60 .....												..... 10 .....     ..... 40 .....													
32 DSN COVERAGE	..... 40 .....												1700   ..... 43 [D] .....   2220   ..... 40 .....													
S/C 32 INITIAL CONDITIONS RTLT: 32h 33m 46s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 33m 52s												0000 RTLT 32h 34m 0s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
VGR COVERAGE	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:	AUG 05												AUG 06													





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			
WEDNESDAY AUGUST 8, 2018 220-221																												
S/C 31 INITIAL CONDITIONS RTLT: 39h 29m 32s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 29m 42s														0000 RTLT 39h 29m 54s													
	0747   -- TAPPOS --   1005														↓ 2351 BAY 1 HTR OFF ↓ 2355 X/B HI POWER ↓ 0014 YAW=.05 0024 - 0642  -----PLAYBACK-----  YAW=.10 0652 ↓													
FDS MODE	CR-5T														PB-14													
XB DATA RATE(MI)	160(32)														1.4K(39)													
31 DSN COVERAGE	..... 10 .....   ----- 43 [D] -----   1100 ..... 40 .....   ..... 60 .....   ..... 40 .....														2325  ----- 14 [DA] ----- 2325  ----- 24 [DA] ----- 2325  ----- 25 [DAR] ----- ..... 10 .....   ..... 40 .....													
32 DSN COVERAGE	..... 40 .....  ----- 1745  ----- 43 [D] -----  2205 ..... 40 .....																											
S/C 32 INITIAL CONDITIONS RTLT: 32h 34m 28s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 34m 36s														0000 RTLT 32h 34m 44s													
															* 2009    2013 B181 CHKSUM * 2038   2045 CCSTIM FINE * 2056    2059 COARSE * EL-40 1935 ↓      ↓      2106 CR-5T													
FDS MODE	CR-5T							EL-40							CR-5T													
XB DATA RATE(MI)	160(32)							40(30)							160(32)													
VGR COVERAGE	ON CALL							VGR							ON CALL							VGR						
NOTES	[1] S/C 32=EL-40 @ 1935 XB=40(30)														[3] S/C 31=PB-14 @ 0024 XB=1.4K(39)													
	[2] S/C 32=CR-5T @ 2106 XB=160(32)														[4] S/C 31=CR-5T @ 0642 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			
UTC:	AUG 08														AUG 09													

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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			
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 AUGUST 9, 2018 221-222																												
S/C 31 INITIAL CONDITIONS RTLT: 39h 29m 54s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: HI PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 30m 4s												0000 RTLT 39h 30m 16s															
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
31 DSN COVERAGE																												
32 DSN COVERAGE																												
S/C 32 INITIAL CONDITIONS RTLT: 32h 34m 44s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 34m 50s												0000 RTLT 32h 34m 58s															
FDS MODE															CR-5T													
XB DATA RATE(MI)															160(32)													
VGR COVERAGE	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:	AUG 09														AUG 10													



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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	
FRIDAY AUGUST 10, 2018 222-223																										
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 30m 16s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 39h 30m 26s												█ 0000 RTLT 39h 30m 38s								
FDS MODE XB DATA RATE(MI)																										
31 DSN COVERAGE																										
32 DSN COVERAGE																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 34m 58s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF						█ 1200 RTLT 32h 35m 6s												█ 0000 RTLT 32h 35m 14s								
FDS MODE XB DATA RATE(MI)																										
VGR COVERAGE																										
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:																										

ISSUE DATE: 07/25/18 11:32

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 AUGUST 11, 2018 223-224	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 30m 38s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 30m 48s												0000 RTLT 39h 31m 0s													
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)													
31 DSN COVERAGE	.....10 .....												.....10 .....0410  -----14 [D]-----													
	.....40 .....												.....40 .....													
	.....60 .....												.....60 .....													
32 DSN COVERAGE	-----43 [H,o]----- 0715- 1115												.....40 .....													
	.....40 .....												.....40 .....													
S/C 32 INITIAL CONDITIONS RTLT: 32h 35m 14s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 35m 22s												0000 RTLT 32h 35m 28s													
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:	AUG 11													AUG 12												

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 AUGUST 12, 2018 224-225																									
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 31m 0s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 31m 10s												0000 RTLT 39h 31m 22s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
31 DSN COVERAGE	14 [D]   0910 .....  .....  40 .....												2310   14 [D]   0330 .....  10 .....												
32 DSN COVERAGE	.....  40 1545   43 [D]   2145 .....												.....  40 .....												
S/C 32 INITIAL CONDITIONS RTLT: 32h 35m 28s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 35m 36s												0000 RTLT 32h 35m 44s												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												160(32)												
VGR COVERAGE	ON CALL												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:	AUG 12												AUG 13												

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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		
MONDAY AUGUST 13, 2018 225-226																											
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 31m 22s CCSL: A108 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 31m 34s																										
FDS MODE														CR-5T													
XB DATA RATE(MI)														160(32)													
31 DSN COVERAGE	..... 10 .....  ..... 40 .....																										
32 DSN COVERAGE	..... 1455  ----- 43 [D] -----  2140 ..... 40 .....																										
S/C 32 INITIAL CONDITIONS RTLT: 32h 35m 44s CCSL: B180 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 32h 35m 52s																										
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:	AUG 13													AUG 14													