

<b>VOYAGER</b> <b>Space Flight Operations Schedule (SFOS)</b>
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Issue Date: May 22, 2018

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

<b>DSN OPSCHIEF</b>	<b>230-102</b>	<b>SCIENCE</b>	<b>FLIGHT TEAM</b>	<b>600-100</b>
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<b>DSOT</b>	<b>230-102</b>	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.	
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**LEGEND:**

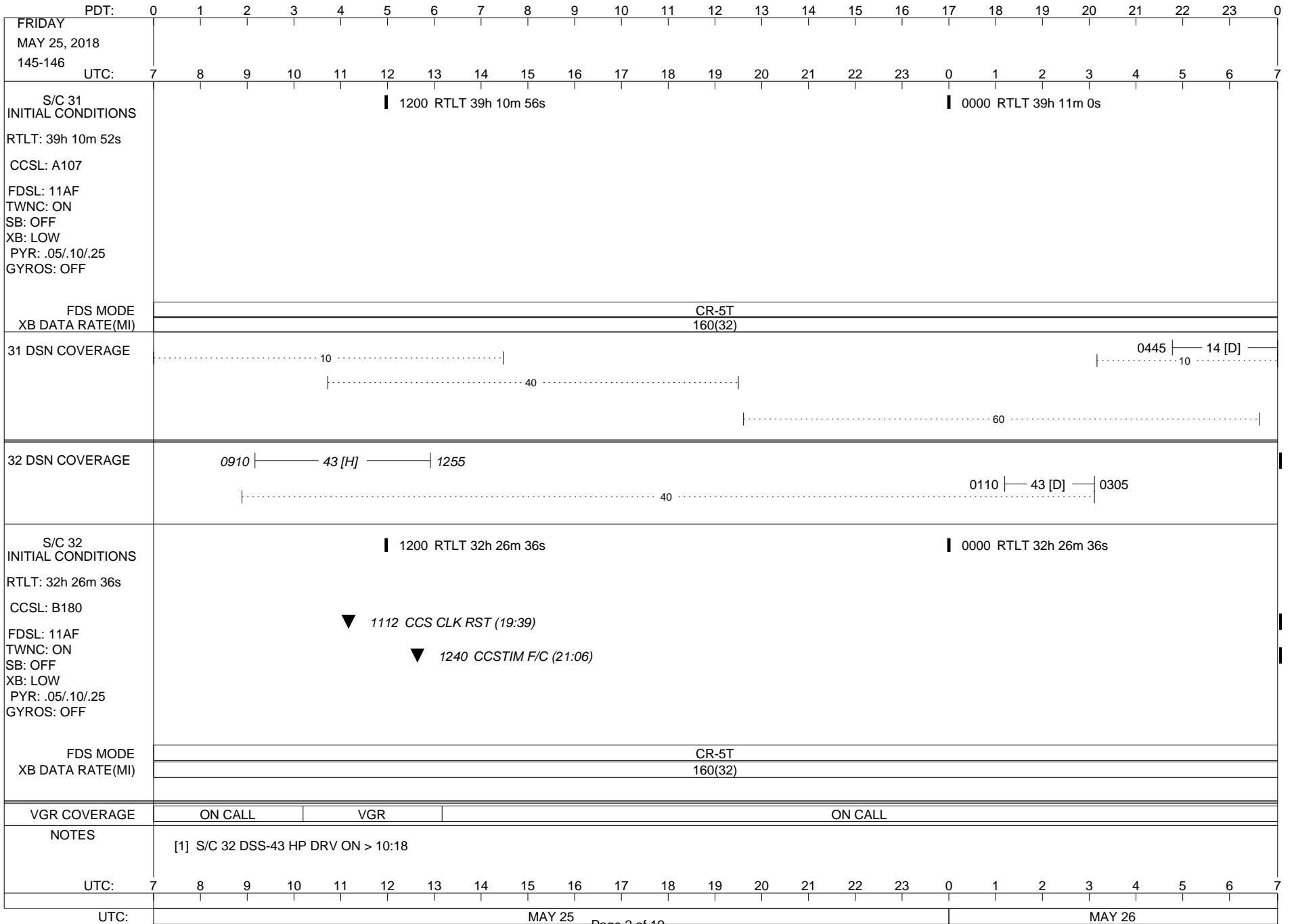
- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- \* = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- A = Arrayed station
- B = BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- 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)

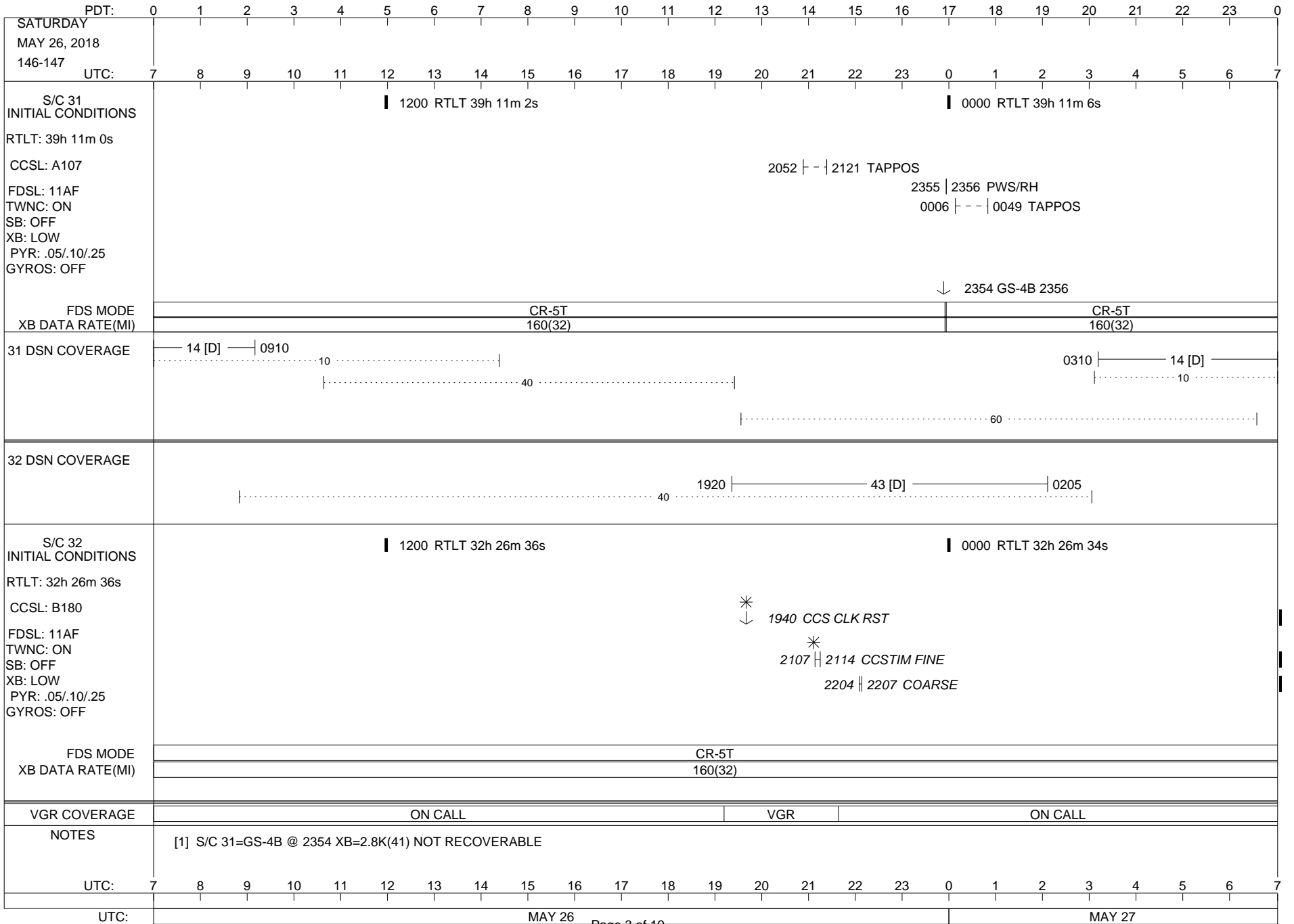
02/27/17

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THURSDAY MAY 24, 2018 144-145																									
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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	-----10-----										-----10-----														
	-----40-----										-----60-----														
	-----36 [DAR]-----										-----65 [DAR]-----														
	-----34 [DA]-----										-----54 [DA]-----														
	-----1340-----										-----0140-----														
32 DSN COVERAGE	-----40-----										-----60-----														
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												

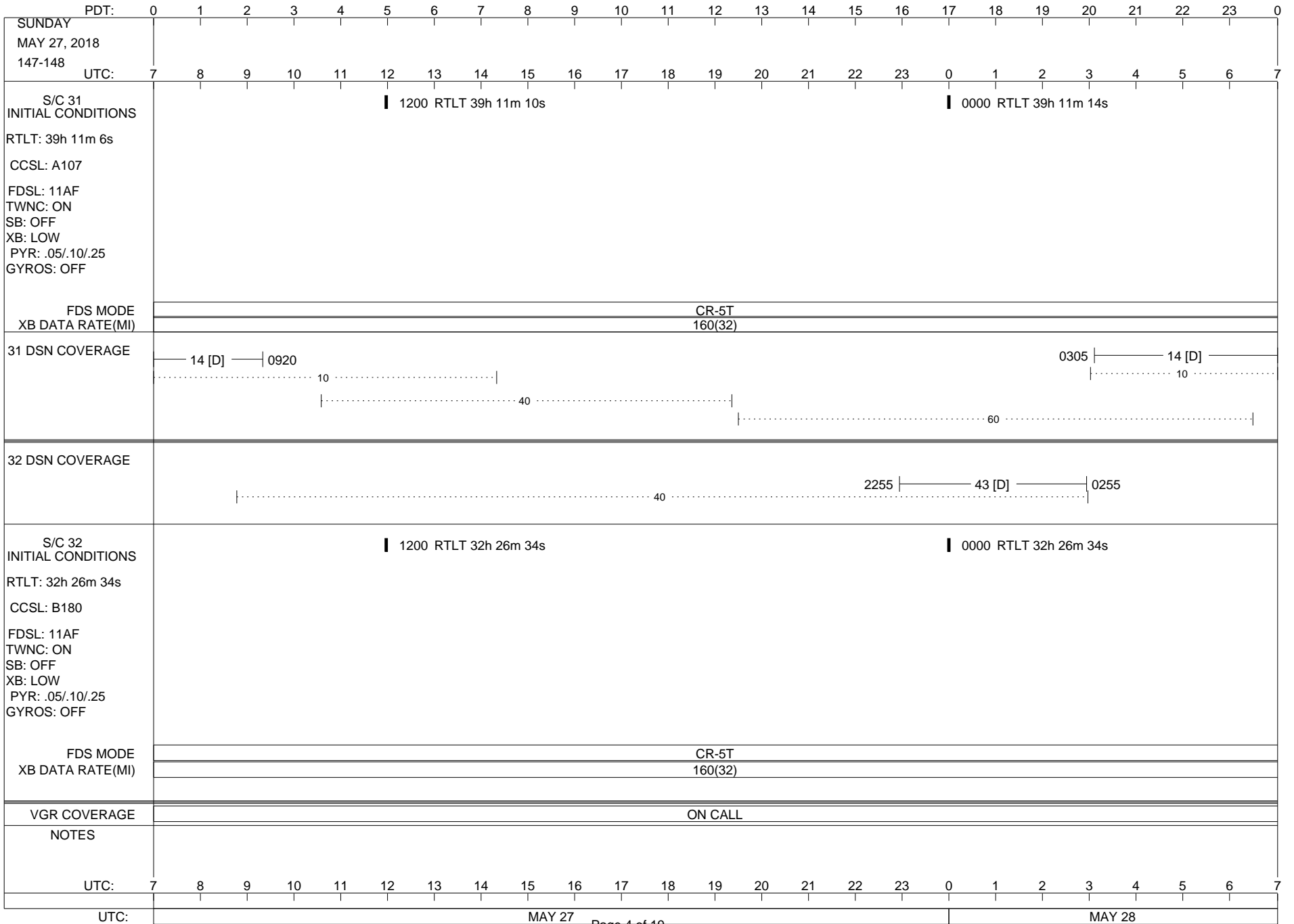
ISSUE DATE: 05/24/18 12:37



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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 MAY 28, 2018 148-149																											
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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																										
XB DATA RATE(MI)	160(32)																										
31 DSN COVERAGE	0705 14 [D]   .....   .....   .....										0345   14 [D]   .....   .....																
32 DSN COVERAGE	1640   43 [D]   2040   .....																										
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																										
XB DATA RATE(MI)	160(32)																										
VGR COVERAGE	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												

ISSUE DATE: 05/24/18 12:37

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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			
<b>TUESDAY</b> MAY 29, 2018 149-150																													
S/C 31 <b>INITIAL CONDITIONS</b> RTLT: 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													
FDS MODE XB DATA RATE(MI)		CR-5T 160(32)														CR-5T 160(32)													
<b>31 DSN COVERAGE</b>		14 [D] 0840														0415 14 [D]													
<b>32 DSN COVERAGE</b>		1545 43 [D] 1945																											
S/C 32 <b>INITIAL CONDITIONS</b> 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)													
<b>VGR COVERAGE</b>		ON CALL							VGR							ON CALL													
<b>NOTES</b>		[1] S/C 31=GS-4B @ 1417 XB=2.8K(41) NOT RECOVERABLE																											
UTC:		MAY 29														MAY 30													

ISSUE DATE: 05/24/18 12:37

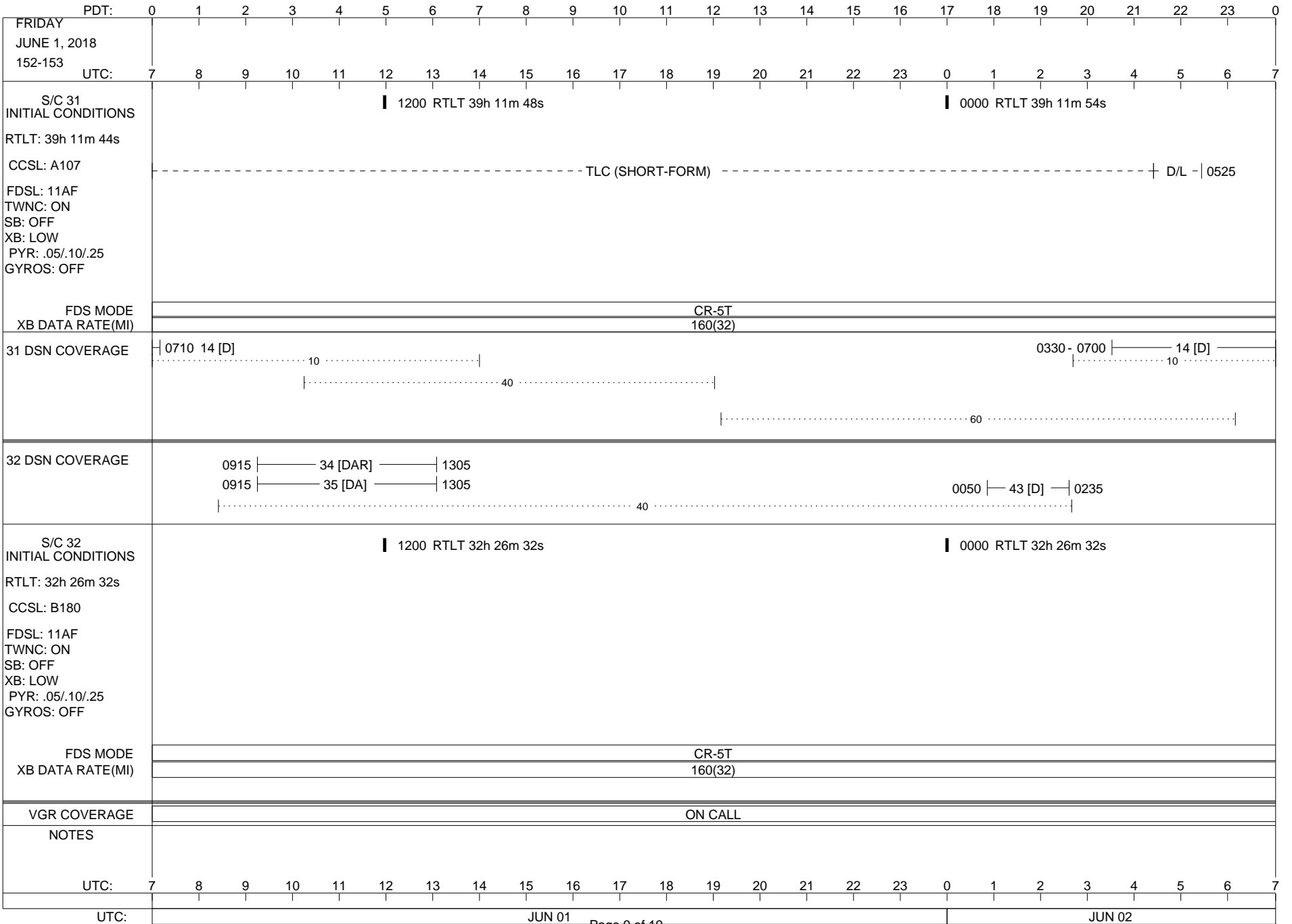
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WEDNESDAY MAY 30, 2018 150-151																									
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 28s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 32s												0000 RTLT 39h 11m 36s												
FDS MODE													CR-5T												
XB DATA RATE(MI)													160(32)												
31 DSN COVERAGE	14 [D] 0950 .....  .....  .....  .....												.....  .....  .....  .....												
32 DSN COVERAGE	1040 43 [D] 1440 .....  .....  .....  .....												.....  .....  .....  .....												
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												
	1321    1327 AACs 6 MIN FULMRO REPLAY FROM 2017 DOY 353																								
	1306 EL-40 ↓ ↓												1329 CR-5T												
FDS MODE	CR-5T												CR-5T												
XB DATA RATE(MI)	160(32)												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

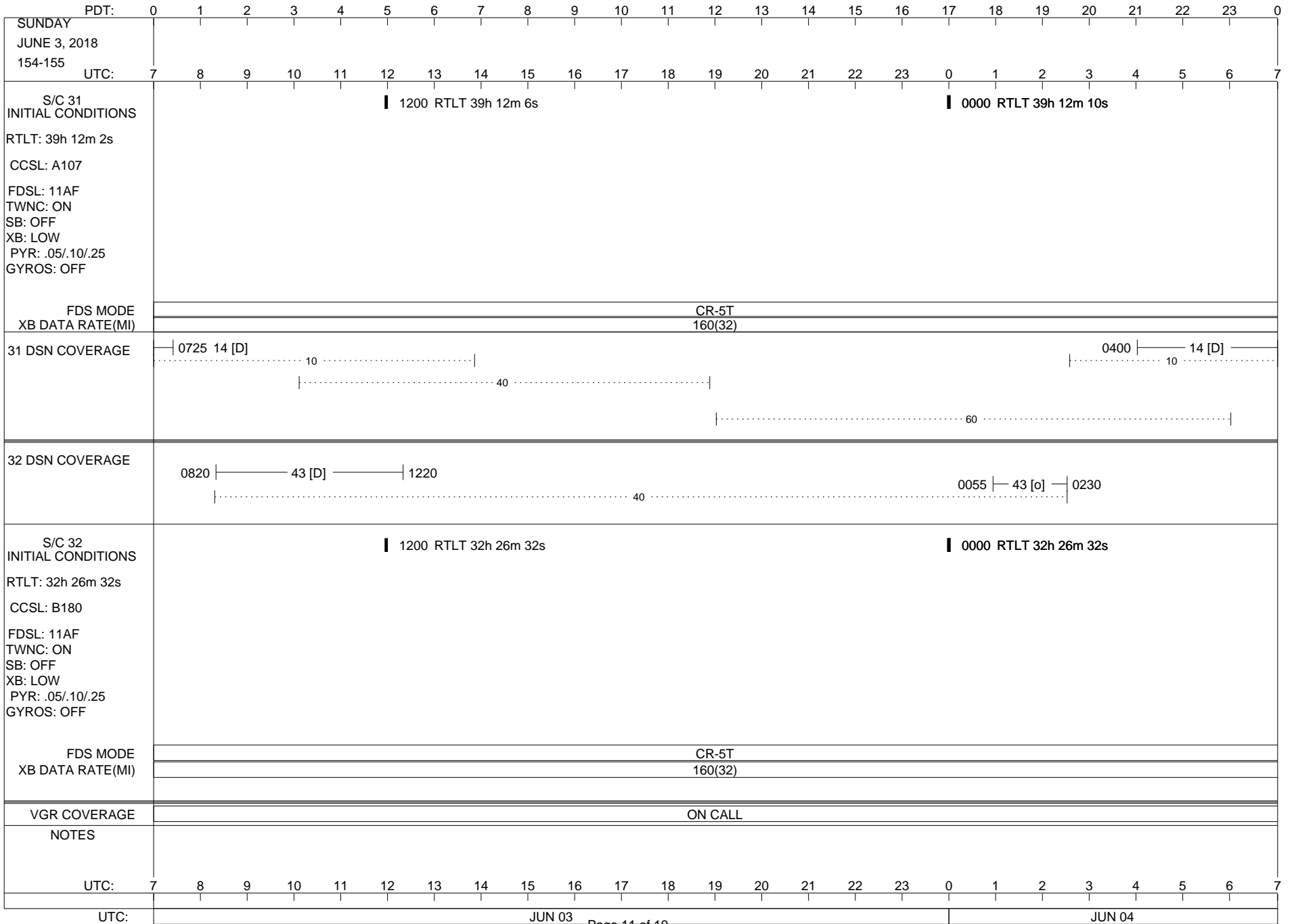
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THURSDAY MAY 31, 2018 151-152																										
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	
S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 36s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 40s ▼ 1220 DUMMY (03:32) U/L 1245   -   ----- TLC (SHORT-FORM) -----												0000 RTLT 39h 11m 44s 1729   ----   1825 TAPPOS 2031   2032 PWS/RH 2042   ----   2153 TAPPOS ↓ 2030 GS-4B 2032													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	0745  -----  14 [T]  -----  1345  -----  10  -----   -----  40  -----												0245  -----  14 [D]  -----   -----  10  -----   -----  60  -----													
32 DSN COVERAGE	0840  -----  43 [D]  -----  1245  -----  40  -----												0055  -----  43 [D]  -----  0240  -----  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						VGR						ON CALL													
NOTES	[1] S/C 31=GS-4B @ 2030 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 31												JUN 01													

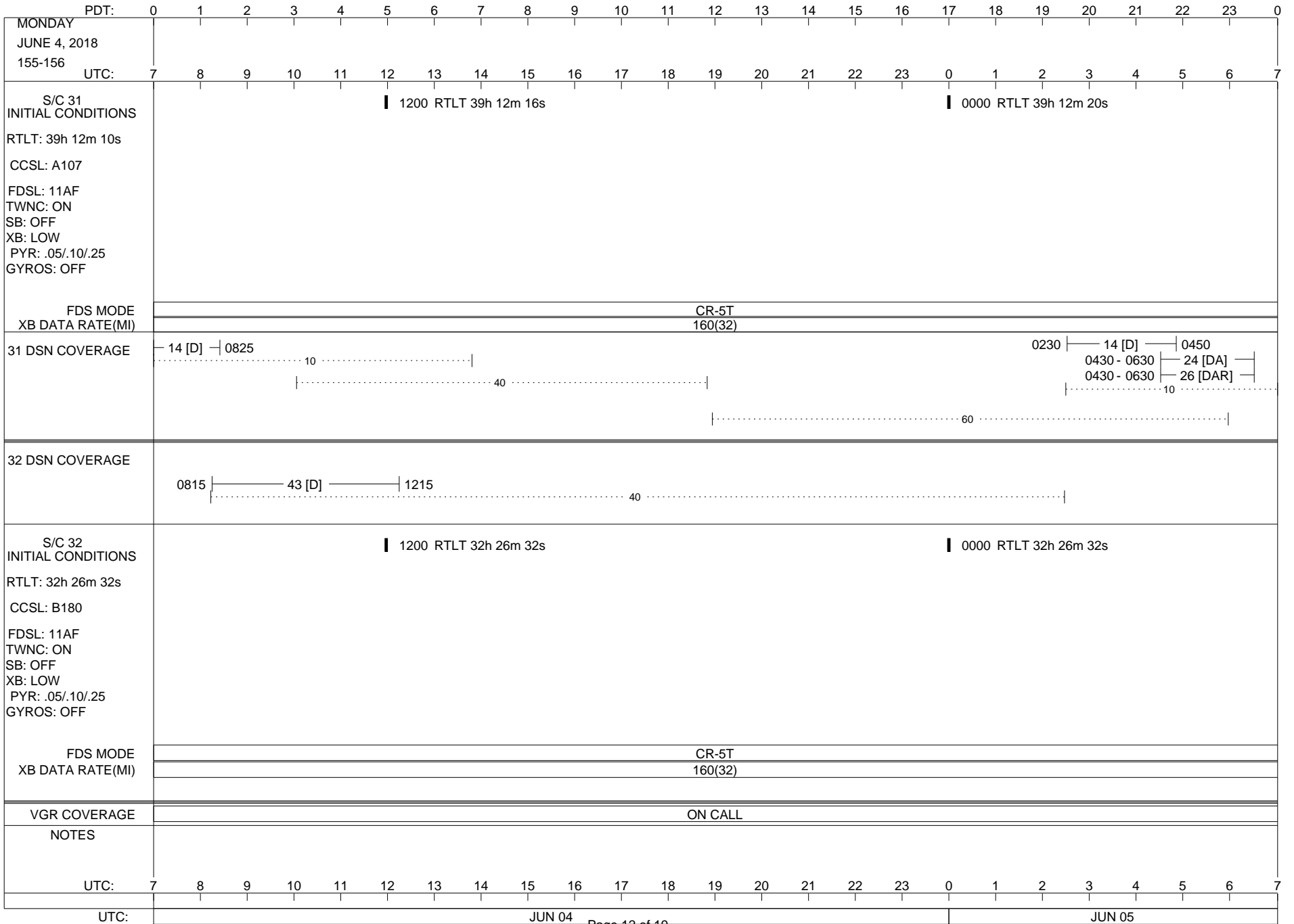
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SATURDAY JUNE 2, 2018 153-154	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 11m 54s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 11m 58s												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												





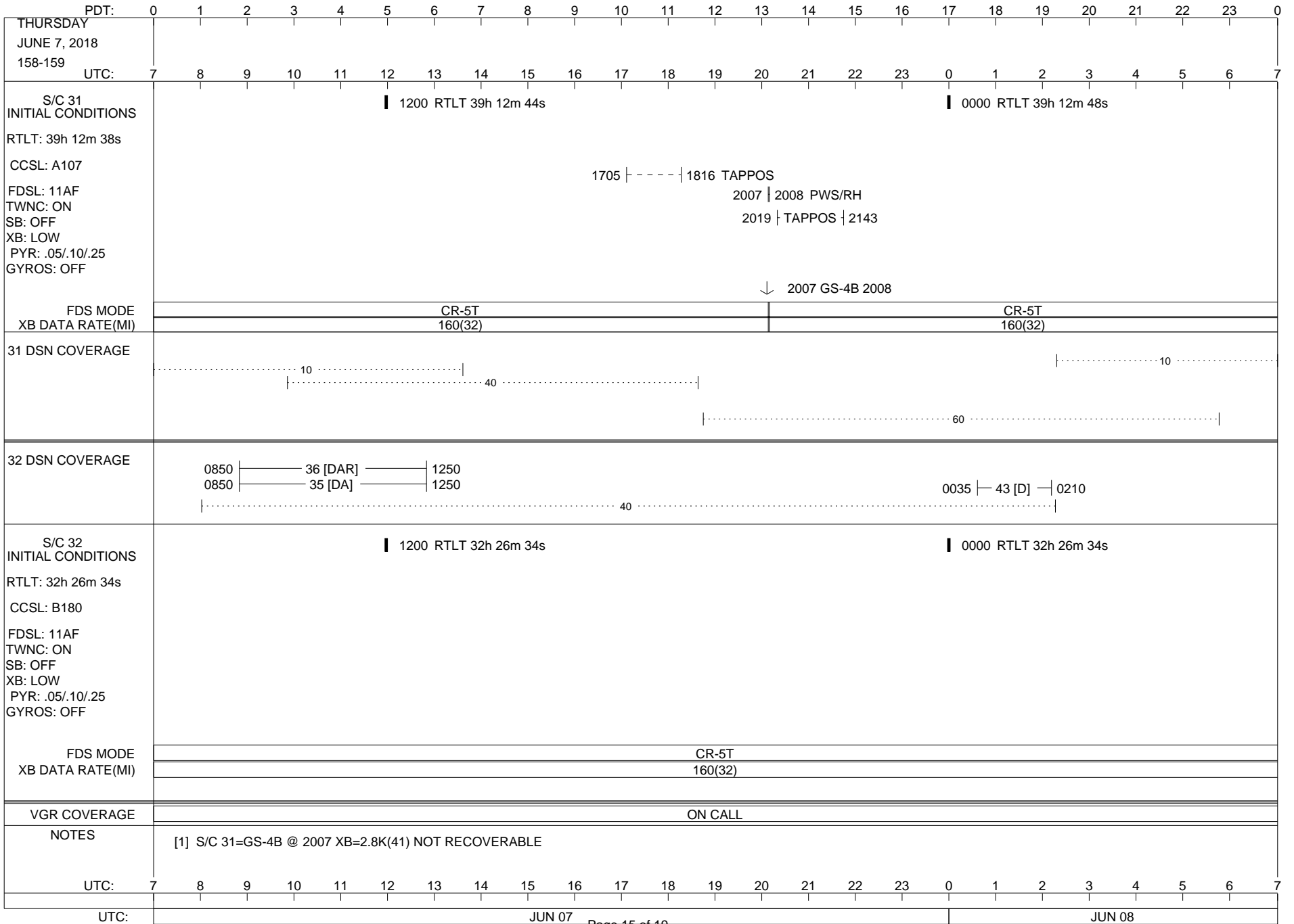
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TUESDAY JUNE 5, 2018 156-157	UTC: 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7
S/C 31 INITIAL CONDITIONS RTLT: 39h 12m 20s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 12m 24s												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												

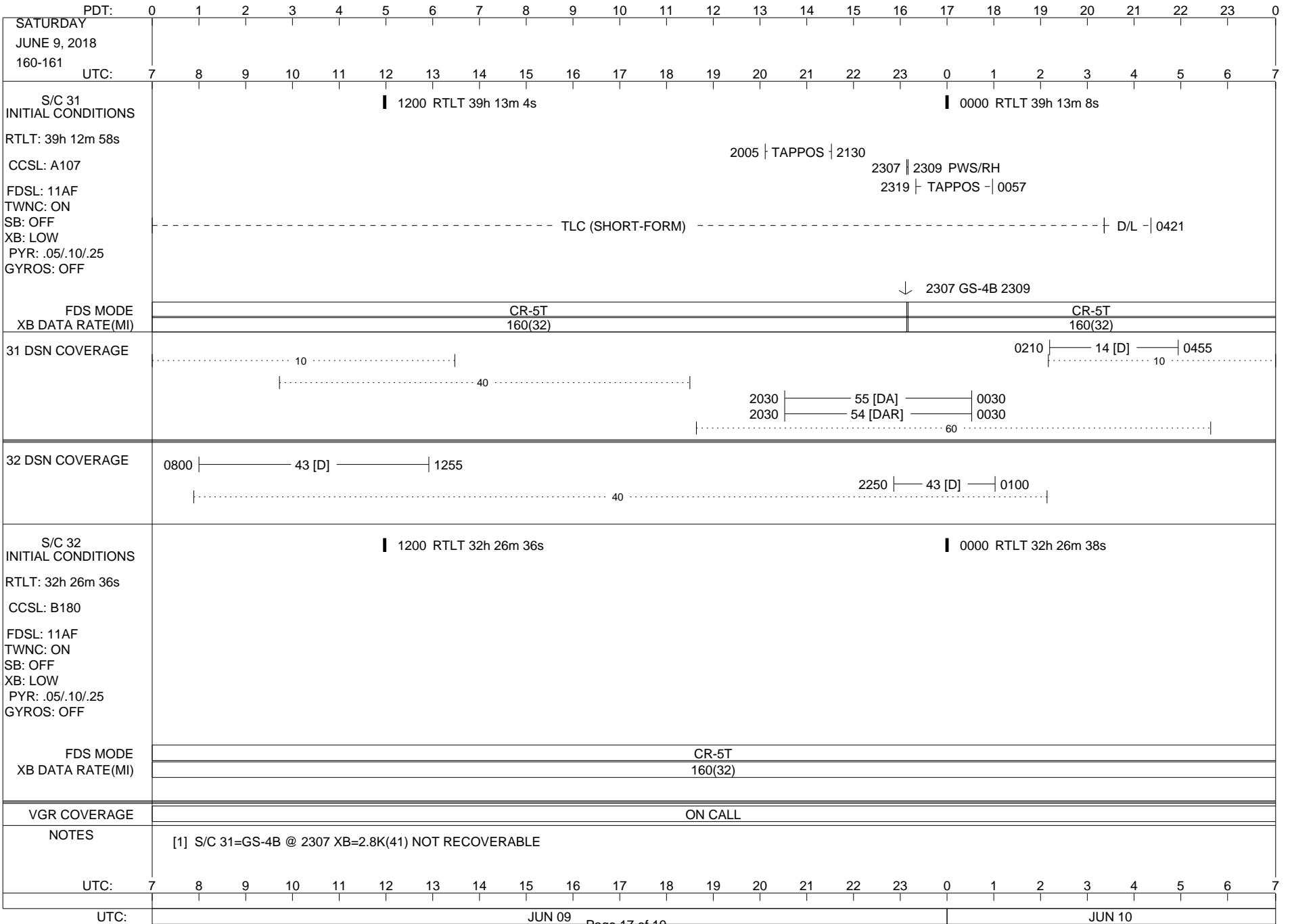
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FRIDAY JUNE 8, 2018 159-160																												
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S/C 31 INITIAL CONDITIONS RTLT: 39h 12m 48s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 12m 54s												0000 RTLT 39h 12m 58s															
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)															
31 DSN COVERAGE	0900  ----- 14 [T] -----  1330  ----- 10 -----   ----- 40 -----												0350 - 0620  ----- 14 [D] -----   ----- 10 -----   ----- 60 -----															
32 DSN COVERAGE	1115  ----- 36 [DAR] -----  1515 1115  ----- 35 [DA] -----  1515  ----- 40 -----												0030  ----- 43 [D] -----  0145  ----- 10 -----															
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															
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: 05/24/18 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
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 .....    .....  40 .....    .....  60 .....												0210  -----  14 [D]  -----  0610  -----  10  -----												
32 DSN COVERAGE	0750  -----  43 [D]  -----  1255   .....  40 .....												2250  -----  43 [D]  -----  0200   .....												
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													