

VOYAGER

Space Flight Operations Schedule (SFOS)

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

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																																																																																			
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		<table border="0"> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">1200 RTLT 39h 11m 40s</td> <td style="text-align: center;"> </td> <td style="text-align: center;">0000 RTLT 39h 11m 44s</td> </tr> <tr> <td style="text-align: center;">▼</td> <td style="text-align: center;">1220 DUMMY (03:32)</td> <td style="text-align: center;">▼</td> <td style="text-align: center;">1243 EL-40, CCS FULMRO, CR-5T (03:55)</td> </tr> <tr> <td colspan="4">U/L 1315 - ----- TLC (SHORT-FORM) -----</td> </tr> <tr> <td colspan="4" style="text-align: center;">1729 - - - 1825 TAPPOS</td> </tr> <tr> <td colspan="4" style="text-align: center;">2031 2032 PWS/RH</td> </tr> <tr> <td colspan="4" style="text-align: center;">2042 - - - - 2153 TAPPOS</td> </tr> <tr> <td colspan="4" style="text-align: center;">↓ 2030 GS-4B 2032</td> </tr> <tr> <td colspan="2">FDS MODE</td> <td colspan="12" style="text-align: center;">CR-5T</td> <td colspan="12" style="text-align: center;">CR-5T</td> </tr> <tr> <td colspan="2">XB DATA RATE(MI)</td> <td colspan="12" style="text-align: center;">160(32)</td> <td colspan="12" style="text-align: center;">160(32)</td> </tr> </table>																													1200 RTLT 39h 11m 40s		0000 RTLT 39h 11m 44s	▼	1220 DUMMY (03:32)	▼	1243 EL-40, CCS FULMRO, CR-5T (03:55)	U/L 1315 - ----- TLC (SHORT-FORM) -----				1729 - - - 1825 TAPPOS				2031 2032 PWS/RH				2042 - - - - 2153 TAPPOS				↓ 2030 GS-4B 2032				FDS MODE		CR-5T												CR-5T												XB DATA RATE(MI)		160(32)												160(32)											
	1200 RTLT 39h 11m 40s		0000 RTLT 39h 11m 44s																																																																																																										
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↓ 2030 GS-4B 2032																																																																																																													
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XB DATA RATE(MI)		160(32)												160(32)																																																																																															
31 DSN COVERAGE		<table border="0"> <tr> <td style="text-align: center;">0745 ----- 14 [T] ----- 1345</td> <td style="text-align: center;">0245 ----- 14 [D] ----- </td> </tr> <tr> <td style="text-align: center;"> ----- 10 ----- </td> <td style="text-align: center;"> ----- 10 ----- </td> </tr> <tr> <td style="text-align: center;"> ----- 40 ----- </td> <td style="text-align: center;"> ----- 60 ----- </td> </tr> </table>																												0745 ----- 14 [T] ----- 1345	0245 ----- 14 [D] -----	----- 10 -----	----- 10 -----	----- 40 -----	----- 60 -----																																																																										
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----- 40 -----	----- 60 -----																																																																																																												
32 DSN COVERAGE		<table border="0"> <tr> <td style="text-align: center;">0840 ----- 43 [D] ----- 1245</td> <td style="text-align: center;">0055 ----- 43 [D] ----- 0240</td> </tr> <tr> <td style="text-align: center;"> ----- 40 ----- </td> <td style="text-align: center;"> ----- 40 ----- </td> </tr> </table>																												0840 ----- 43 [D] ----- 1245	0055 ----- 43 [D] ----- 0240	----- 40 -----	----- 40 -----																																																																												
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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		<table border="0"> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">1200 RTLT 32h 26m 32s</td> <td style="text-align: center;"> </td> <td style="text-align: center;">0000 RTLT 32h 26m 32s</td> </tr> </table>																													1200 RTLT 32h 26m 32s		0000 RTLT 32h 26m 32s																																																																												
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FDS MODE XB DATA RATE(MI)		<table border="0"> <tr> <td colspan="12" style="text-align: center;">CR-5T</td> </tr> <tr> <td colspan="12" style="text-align: center;">160(32)</td> </tr> </table>																												CR-5T												160(32)																																																																			
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160(32)																																																																																																													
VGR COVERAGE		ON CALL							VGR							ON CALL																																																																																													
NOTES		<p>[1] S/C 31=GS-4B @ 2030 XB=2.8K(41) NOT RECOVERABLE</p>																																																																																																											
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UTC:		MAY 31														JUN 01																																																																																													

ISSUE DATE: 05/29/18 11:58

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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
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ISSUE DATE: 05/29/18 11:58

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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]4060												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																								
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UTC:	JUN 02												JUN 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
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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]												0400 14 [D]												
	10												10												
	40												60												
32 DSN COVERAGE	0820 43 [D] 1220												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																									
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ISSUE DATE: 05/29/18 11:58

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JUNE 4, 2018
155-156
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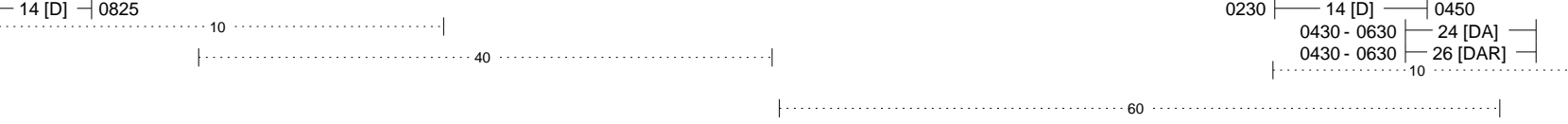
S/C 31
INITIAL CONDITIONS
RTLTL: 39h 12m 10s
CCSL: A107
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 39h 12m 16s
0000 RTLT 39h 12m 20s

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

31 DSN COVERAGE



32 DSN COVERAGE



S/C 32
INITIAL CONDITIONS
RTLTL: 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

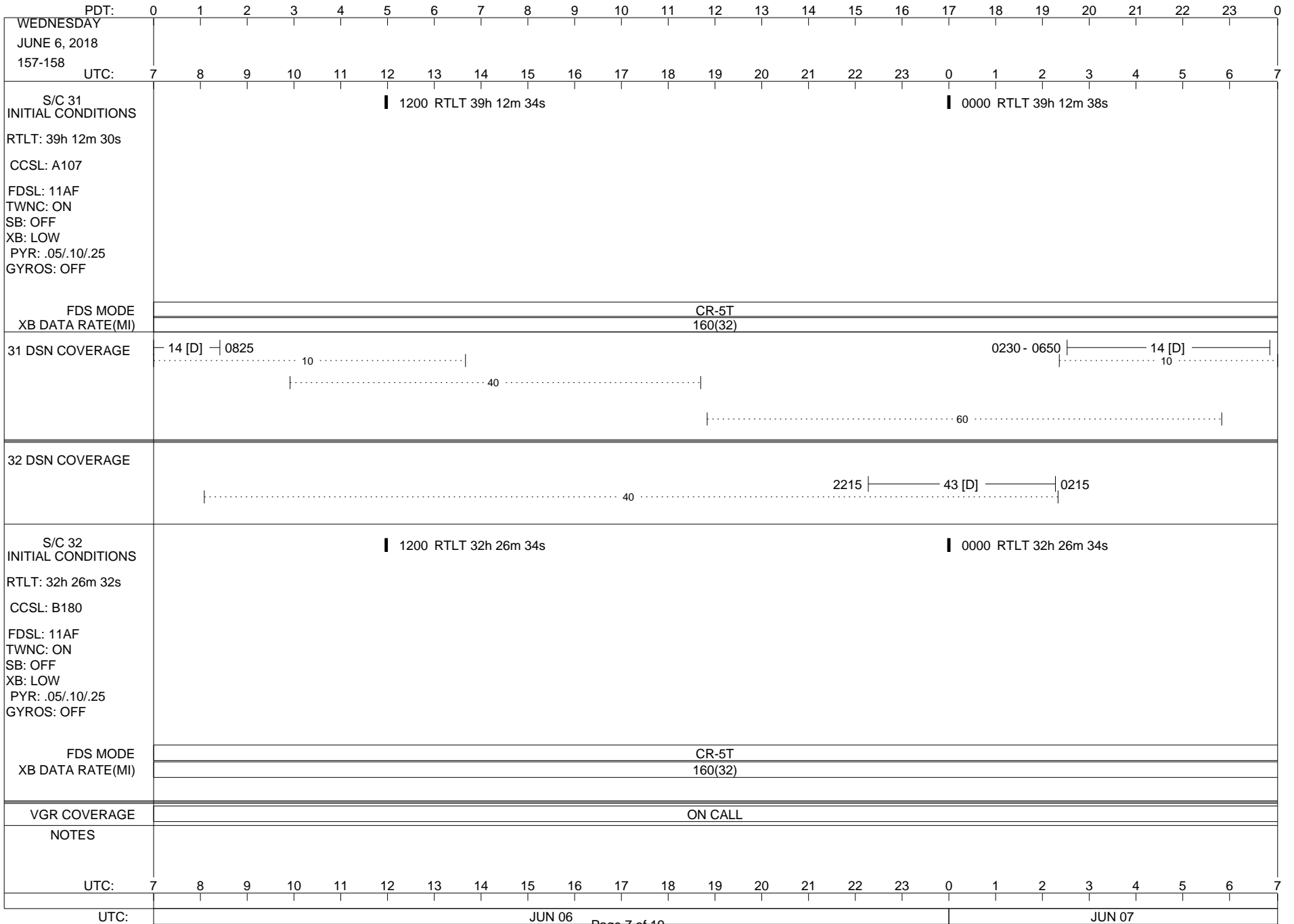
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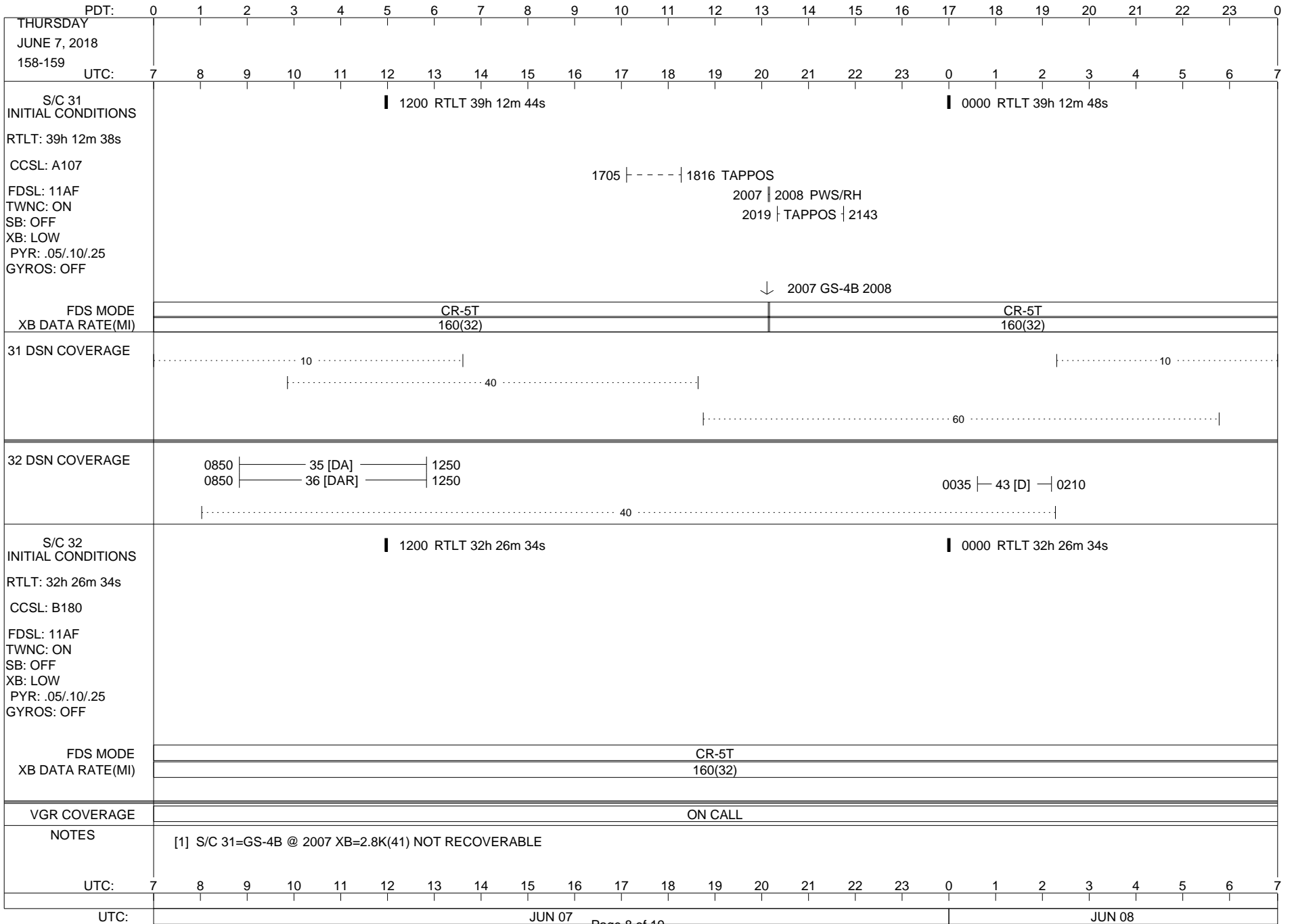
UTC: JUN 04 Page 5 of 19 JUN 05

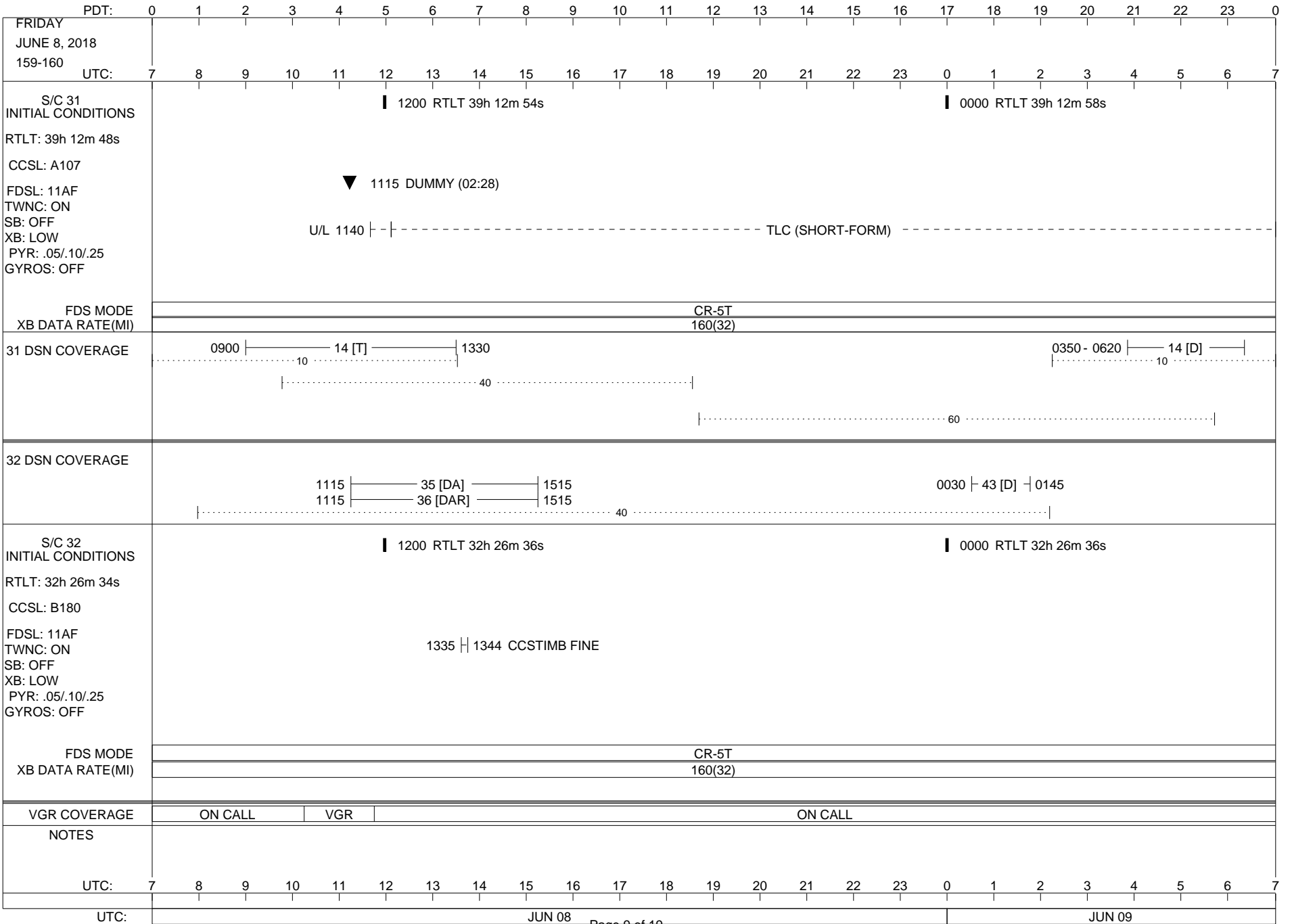
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S/C 31 INITIAL CONDITIONS RTLT: 39h 12m 20s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 12m 24s												0000 RTLT 39h 12m 30s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE 10 40 60												0425 ----- 14 [D] ----- 10												
32 DSN COVERAGE	0810 ----- 43 [D] ----- 1225 40												2320 ----- 43 [B] ----- 0220 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 @ 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												Page 6 of 19						JUN 06						

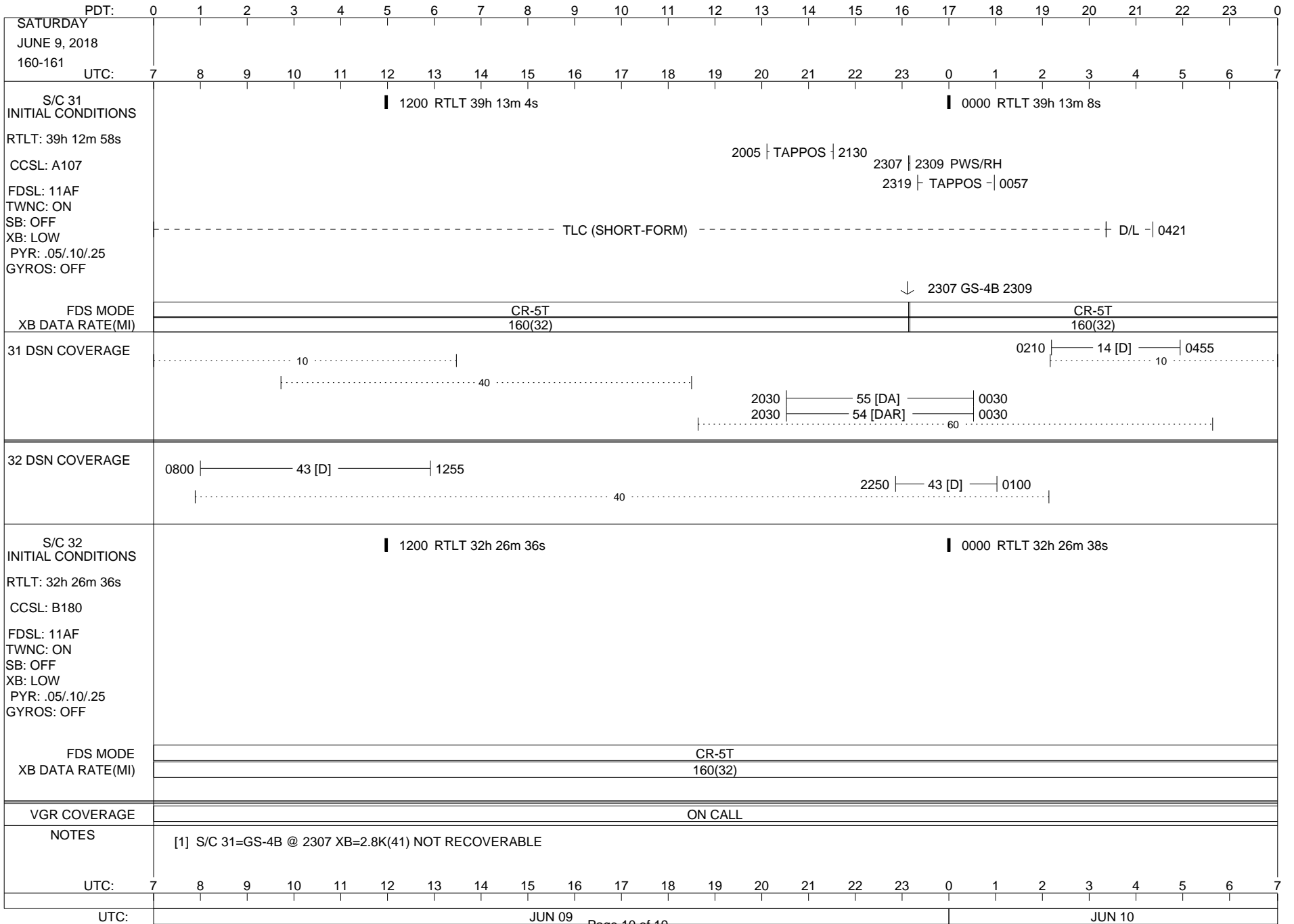


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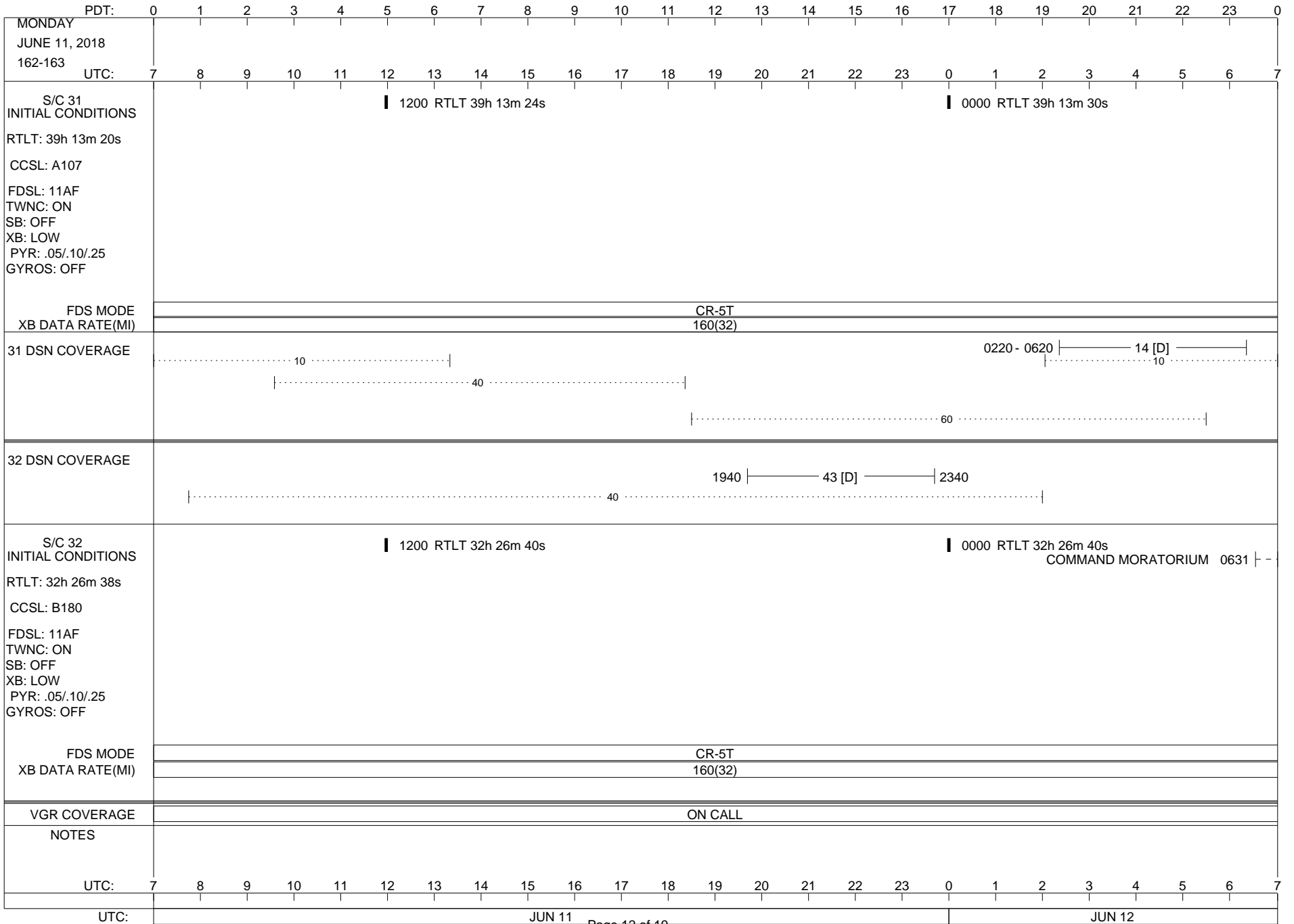


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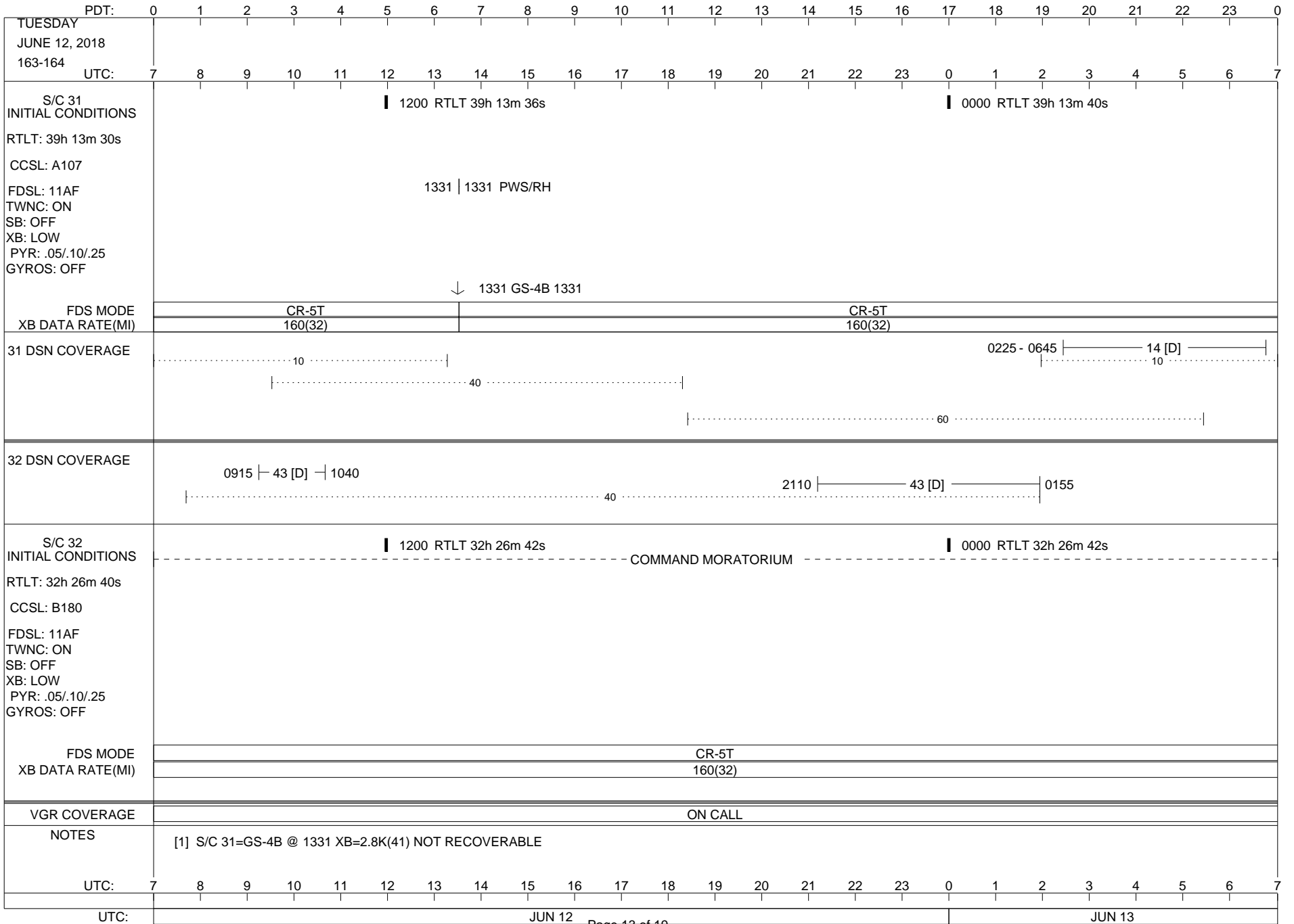


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S/C 31 INITIAL CONDITIONS RTLTL: 39h 13m 8s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 39h 13m 14s												0000 RTLTL 39h 13m 20s												
FDS MODE XB DATA RATE(MI)													CR-5T 160(32)												
31 DSN COVERAGE 10 40 60												0210 ----- 14 [D] ----- 0610 ----- 10 -----												
32 DSN COVERAGE	0750 ----- 43 [D] ----- 1255 40												2250 ----- 43 [D] ----- 0200 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 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												



ISSUE DATE: 05/29/18 11:58



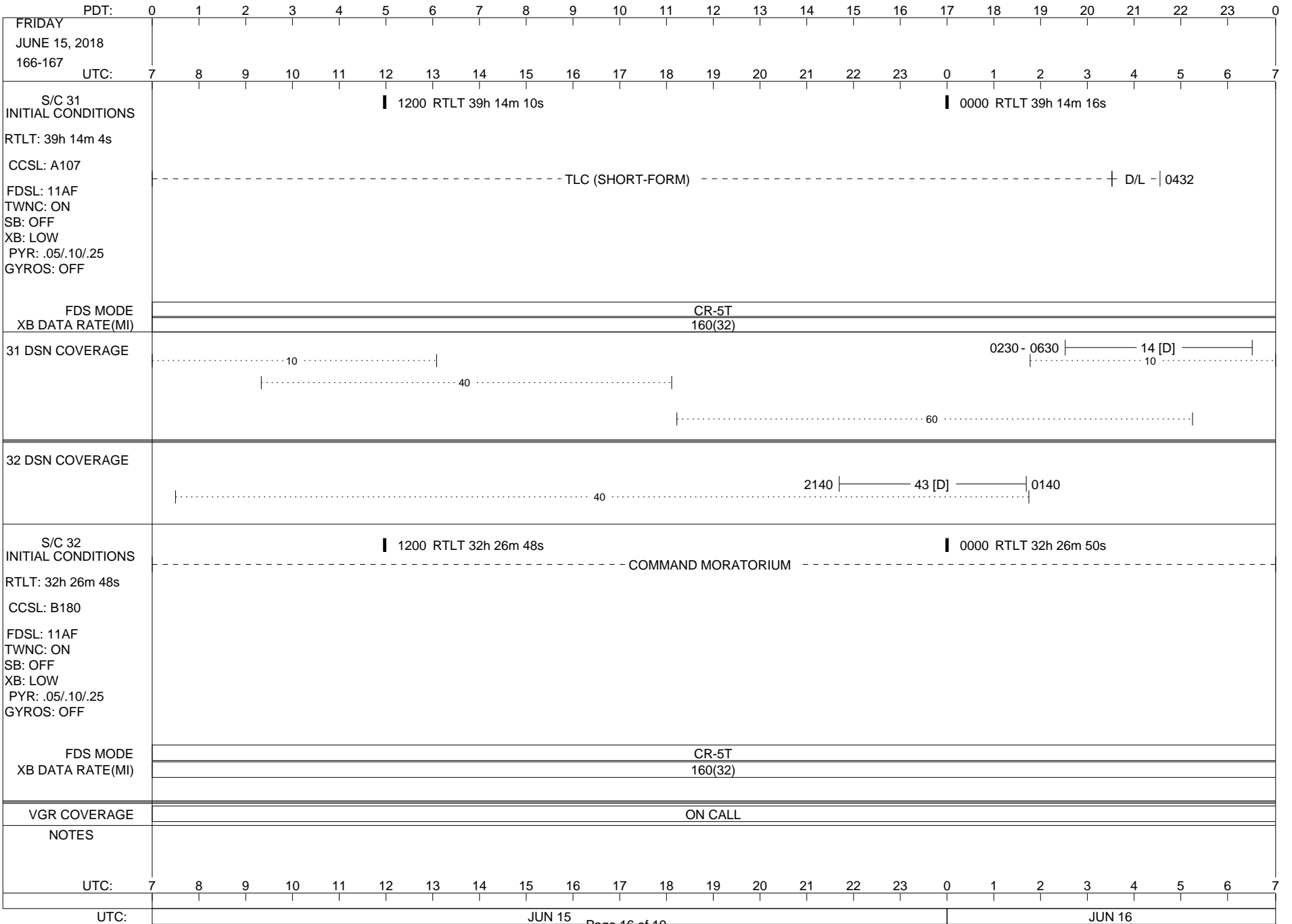
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WEDNESDAY JUNE 13, 2018 164-165																												
S/C 31 INITIAL CONDITIONS RTLT: 39h 13m 40s CCSL: A107 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 39h 13m 46s														0000 RTLT 39h 13m 52s													
FDS MODE XB DATA RATE(MI)															CR-5T 160(32)													
31 DSN COVERAGE																												
32 DSN COVERAGE																												
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													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)							EL-40 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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ISSUE DATE: 05/29/18 11:58

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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												
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 @ 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
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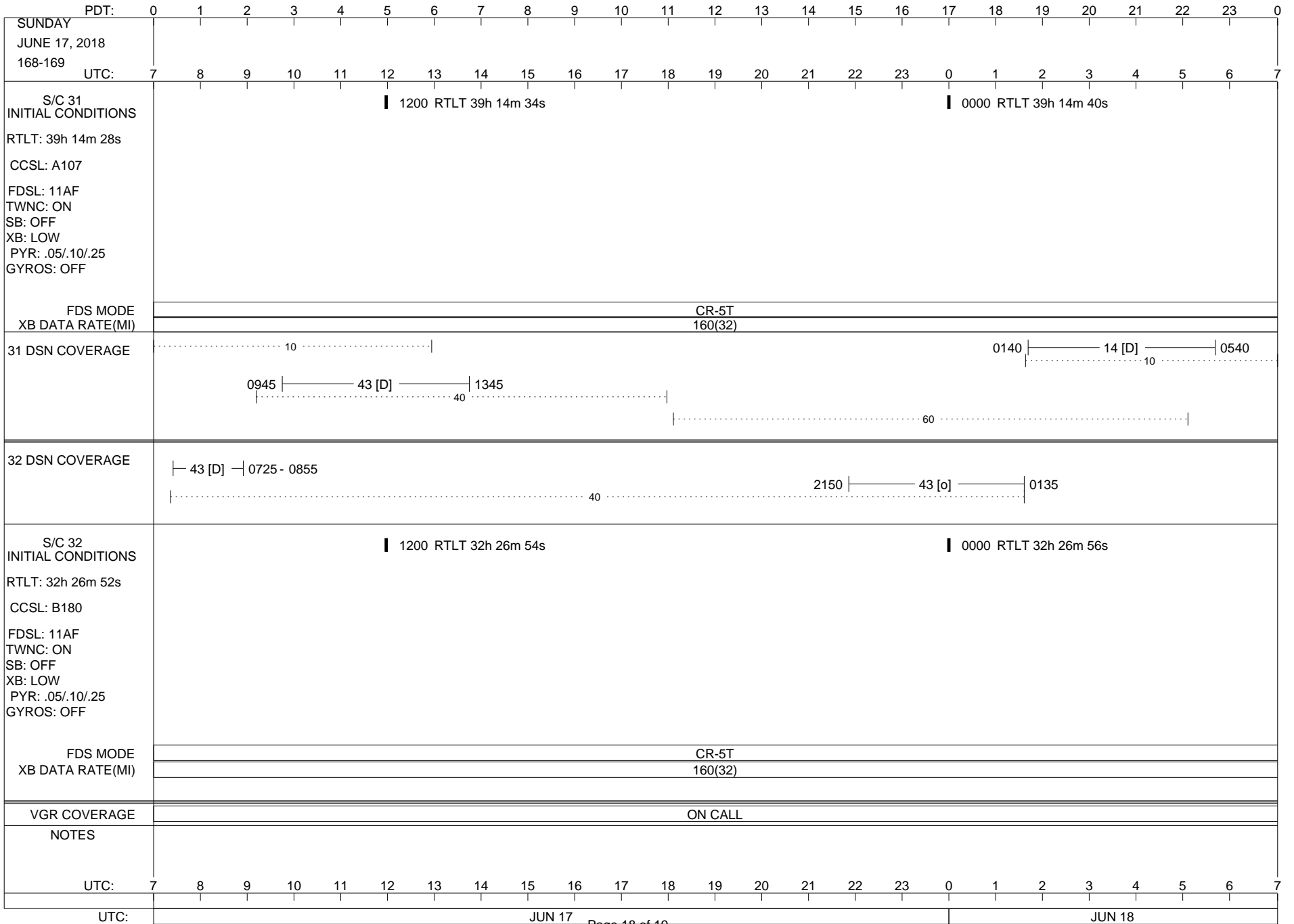
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ISSUE DATE: 05/29/18 11:58

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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 40 60 10</p>																											
32 DSN COVERAGE	<p>0800 ----- 43 [DAR] ----- 1230 0815 --- 36 [DA] --- 1030 40 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 [2] S/C 32 = D/L AGC & 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													

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 XB DATA RATE(MI)														CR-5T 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 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 18													JUN 19													