

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 23, 2009

For the Period: 09/14/09 to 10/12/09 (09-267 – 09-285)

DSN OPSCHIEF (1) 230-102

SCIENCE

FLIGHT TEAM (15) 600-100

DSOT (1) 230-102

- *Zsarina.Bulchand@jpl.nasa.gov
- *gdyke@airmail.ftops.jpl.nasa.gov
- *John.M.Grant@jpl.nasa.gov
- *dmcclena@airmail.ftops.jpl.nasa.gov
- *pquach@airmail.ftops.jpl.nasa.gov
- *mrobles@airmail.ftops.jpl.nasa.gov
- *rwilliam@airmail.ftops.jpl.nasa.gov

- CRS *bryant@mail630.gsfc.nasa.gov
- LECP *r.decker@jhupl.edu
- UVS *holberg@argus.lpl.arizona.edu
- MAG *u2mha@lepvox.gsfc.nasa.gov
- PLS *vgr@space.mit.edu
- PWS *wsk@space.physics.uiowa.edu
- *Leonard.F.Burlaga@nasa.gov
- *Donald-Gurnett@uiowa.edu

- Hall, J.
- Howard, S. (3)
- Ludwig, R. (2)
- Massey, Ed
- Matsumoto, S.
- Medina, E.
- Peralta, F.
- Poynter, R.
- Weeks, T.
- Wong, R.
- Yang, L
- Zottarelli, L.

*odivers1@san.rr.com

OTHER

- * KMassey@jgld.gdscc.nasa.gov
- * Belinda.Arroyo@jpl.nasa.gov
- * DSN-MPSETA@jjpl.jpl.nasa.gov

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 = 7-Point BLF
- D = Downlink only pass
- H = High Power Transmitter
- R = Array Reference Antenna
- T = TLC Uplink
- U = Uplink only pass
- [o] = Ramp-through

*Electronic Copy Only
(17 – Dist/N: Paper Copies)
04/02/09

ISSUE DATE: 09/28/09 17:28

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
SEPTEMBER 24, 2009

267-268 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

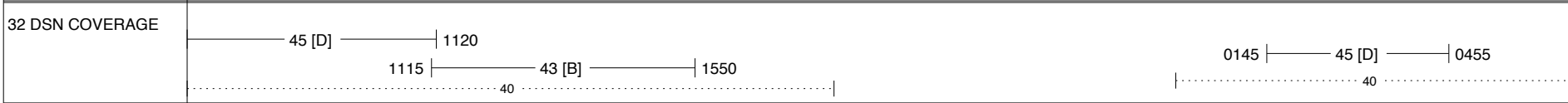
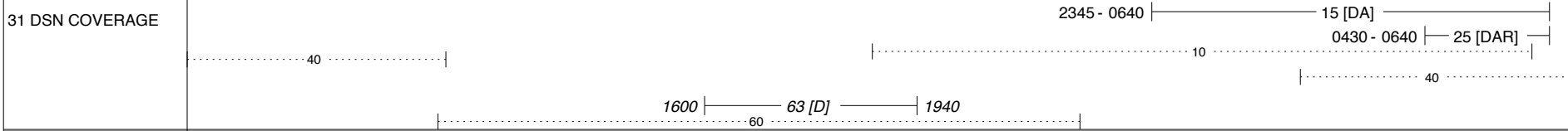
S/C 31
INITIAL CONDITIONS
RTLT: 30h 52m 46s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 52m 58s
0000 RTLT 30h 53m 10s

----- TLC (LONG-FORM) ----- + D/L -| 0336

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)



S/C 32
INITIAL CONDITIONS
RTLT: 24h 55m 40s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 24h 55m 50s
0000 RTLT 24h 56m 2s

▼ 1332 DUMMY (5 MIN BRACKETED 14:29)

FDS MODE
XB DATA RATE(MI)

CR-5T
160(32)

VGR COVERAGE

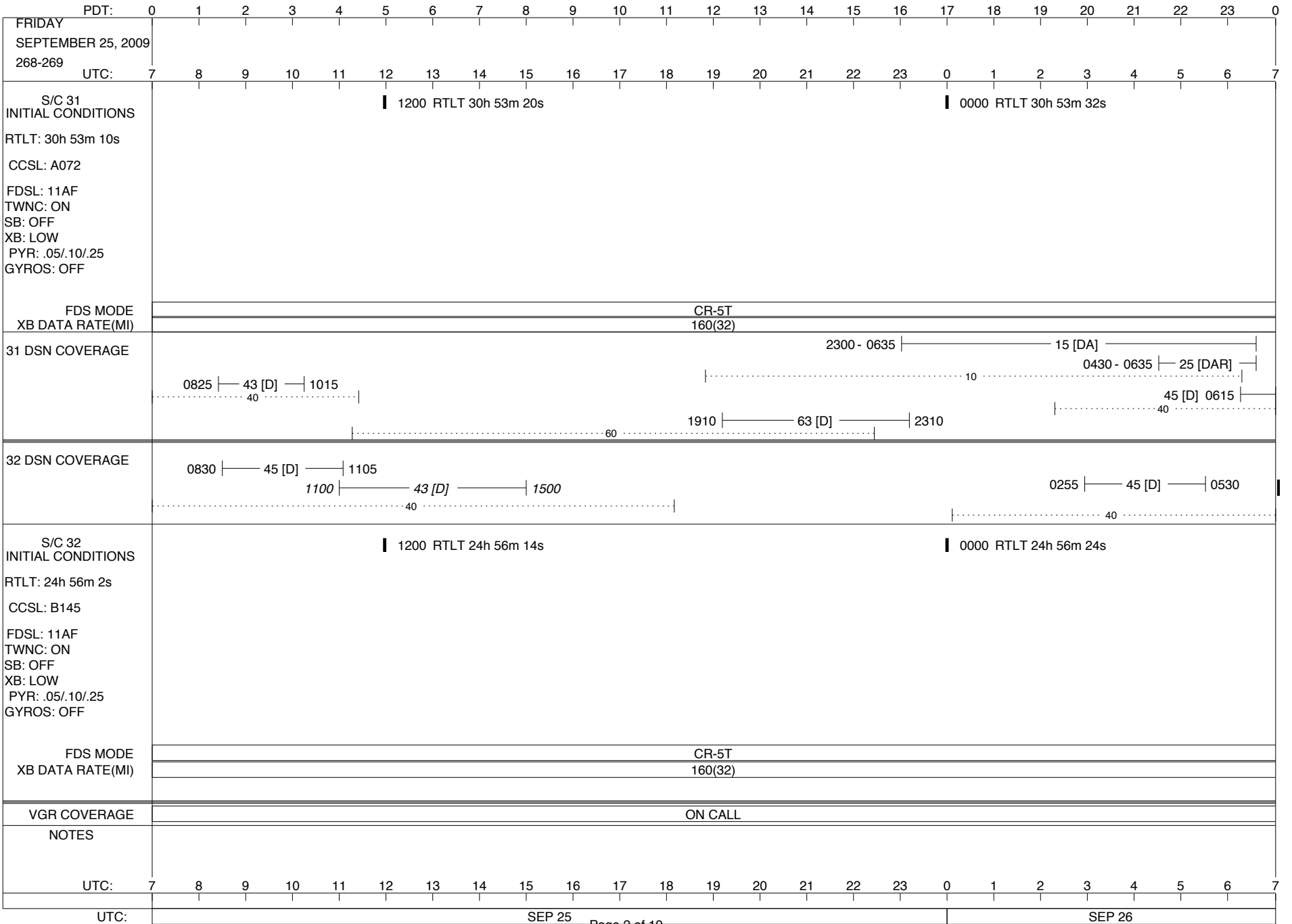
ON CALL	VGR	ON CALL
---------	-----	---------

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: SEP 24 Page 1 of 19 SEP 25

ISSUE DATE: 09/28/09 17:28



ISSUE DATE: 09/28/09 17:28

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 SEPTEMBER 26, 2009 269-270																										
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: 30h 53m 32s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 53m 44s												0000 RTLT 30h 53m 56s													
	| 0731 - 0745 TAPPOS 1033 | 1034 PWS/RH 1240 | 1241 TAPPOS																									
	↓ 1033 GS-4B 1034																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	45 [D] 0910 40												0200 - 0630 15 [DA] 0420 - 0630 25 [DAR] 10 1640 63 [D] 2120 60 40													
32 DSN COVERAGE	43 [D] 0715 - 1230 1210 45 [D] 1735 40												43 [o] 0700 40													
S/C 32 INITIAL CONDITIONS RTLTL: 24h 56m 24s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 56m 36s												0000 RTLT 24h 56m 48s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1033 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:	SEP 26														SEP 27											

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 SEPTEMBER 27, 2009 270-271																									
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: 30h 53m 56s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 30h 54m 6s												0000 RTLTL 30h 54m 18s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	<p>0700 - 1400 (43 [o]) 1340 - 1525 (45 [D]) 1450 - 2130 (63 [D]) 2345 - 0415 (15 [D]) 0415 - 0625 (25 [DA]) 0415 - 0625 (26 [DAR]) Durations: 40, 60, 10, 40</p>																								
32 DSN COVERAGE	<p>0700 - 1400 (43 [o]) 1340 - 1525 (45 [D]) 1655 - 1850 (43 [D]) 0350 - 0700 (45 [D]) Durations: 40, 40</p>																								
S/C 32 INITIAL CONDITIONS RTLTL: 24h 56m 48s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLTL 24h 56m 58s												0000 RTLTL 24h 57m 10s												
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:	SEP 27												SEP 28												

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 SEPTEMBER 28, 2009 271-272																										
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: 30h 54m 18s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 54m 30s												0000 RTLT 30h 54m 40s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)													
31 DSN COVERAGE	40												2330 | 14 [D] | 0300 0300 - 0620 | 15 [DA] | 0415 - 0620 | 25 [DAR] | 10													
32 DSN COVERAGE	0720 45 [D] | 1105 | 45 [D] | 1615 43 [D] | 0700 - 1130 | 40												1730 | 63 [T] | 2255 60													
S/C 32 INITIAL CONDITIONS RTLT: 24h 57m 10s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 57m 22s												0000 RTLT 24h 57m 32s													
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												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:	SEP 28												SEP 29													

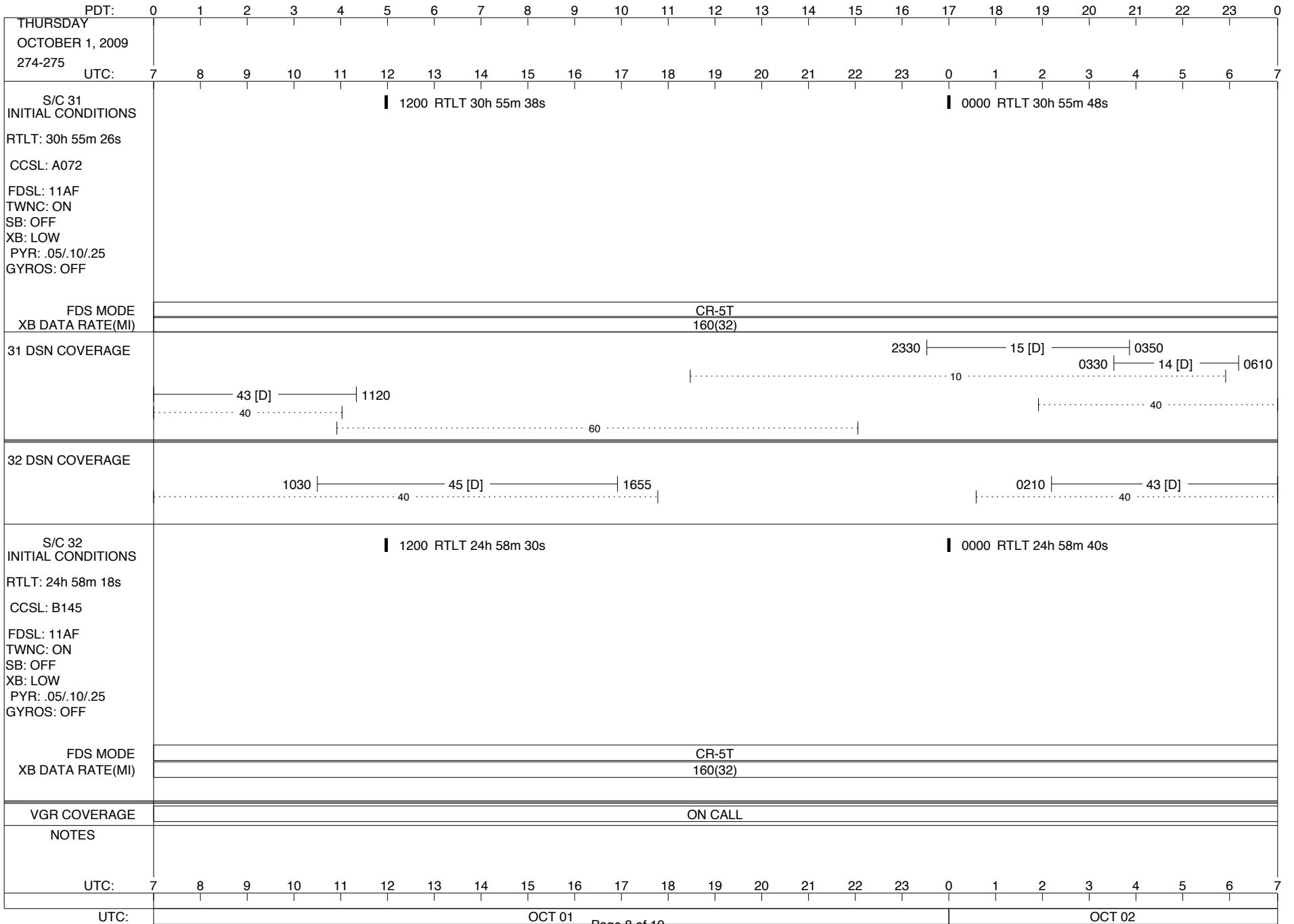
ISSUE DATE: 09/28/09 17:28

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 SEPTEMBER 29, 2009 272-273																										
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: 30h 54m 40s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 54m 52s												0000 RTLT 30h 55m 4s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	40												0055 | 15 [D] | 0410 0355 - 0620 | 14 [D] | 1700 | 63 [D] | 1905 60													
32 DSN COVERAGE	1050 | 34 [D] | 1420 40												0505 | 45 [D] | 40													
S/C 32 INITIAL CONDITIONS RTLT: 24h 57m 32s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 24h 57m 44s												0000 RTLT 24h 57m 56s													
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
VGR COVERAGE	ON CALL												ON CALL													
NOTES	[1] S/C 31=GS-4B @ 0410 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:	SEP 29													SEP 30												

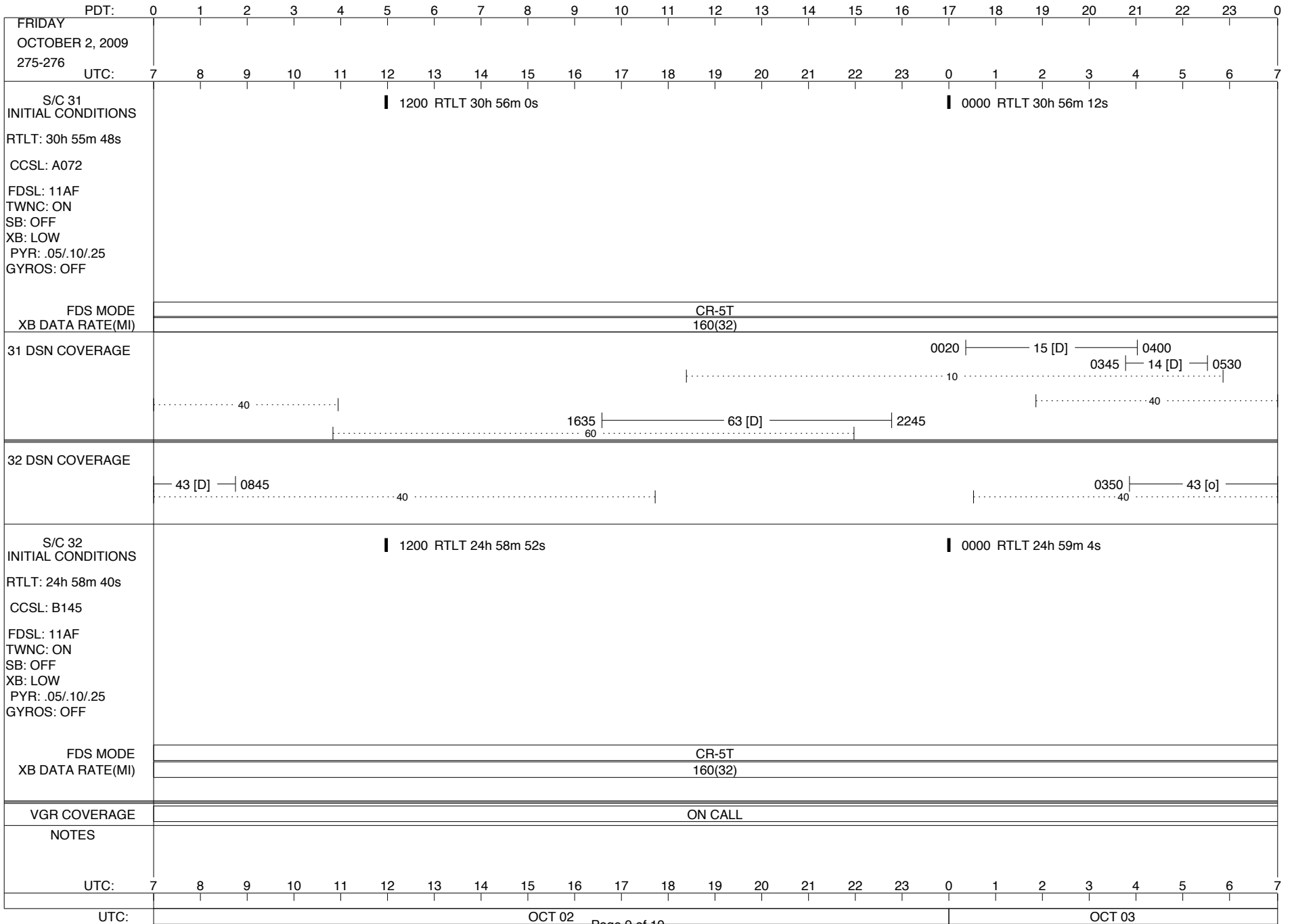
ISSUE DATE: 09/28/09 17:28

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																													
SEPTEMBER 30, 2009																													
273-274																													
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		1200 RTLT 30h 55m 14s														0000 RTLT 30h 55m 26s													
RTLT: 30h 55m 4s																													
CCSL: A072																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
31 DSN COVERAGE																													
32 DSN COVERAGE																													
S/C 32 INITIAL CONDITIONS		1200 RTLT 24h 58m 6s														0000 RTLT 24h 58m 18s													
RTLT: 24h 57m 56s																													
CCSL: B145																													
FDSL: 11AF																													
TWNC: ON																													
SB: OFF																													
XB: LOW																													
PYR: .05/.10/.25																													
GYROS: OFF																													
FDS MODE																CR-5T													
XB DATA RATE(MI)																160(32)													
VGR COVERAGE		ON CALL							VGR							ON CALL													
NOTES		[1] TELECOM 0161 Demo																											
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:		SEP 30														OCT 01													

ISSUE DATE: 09/28/09 17:28



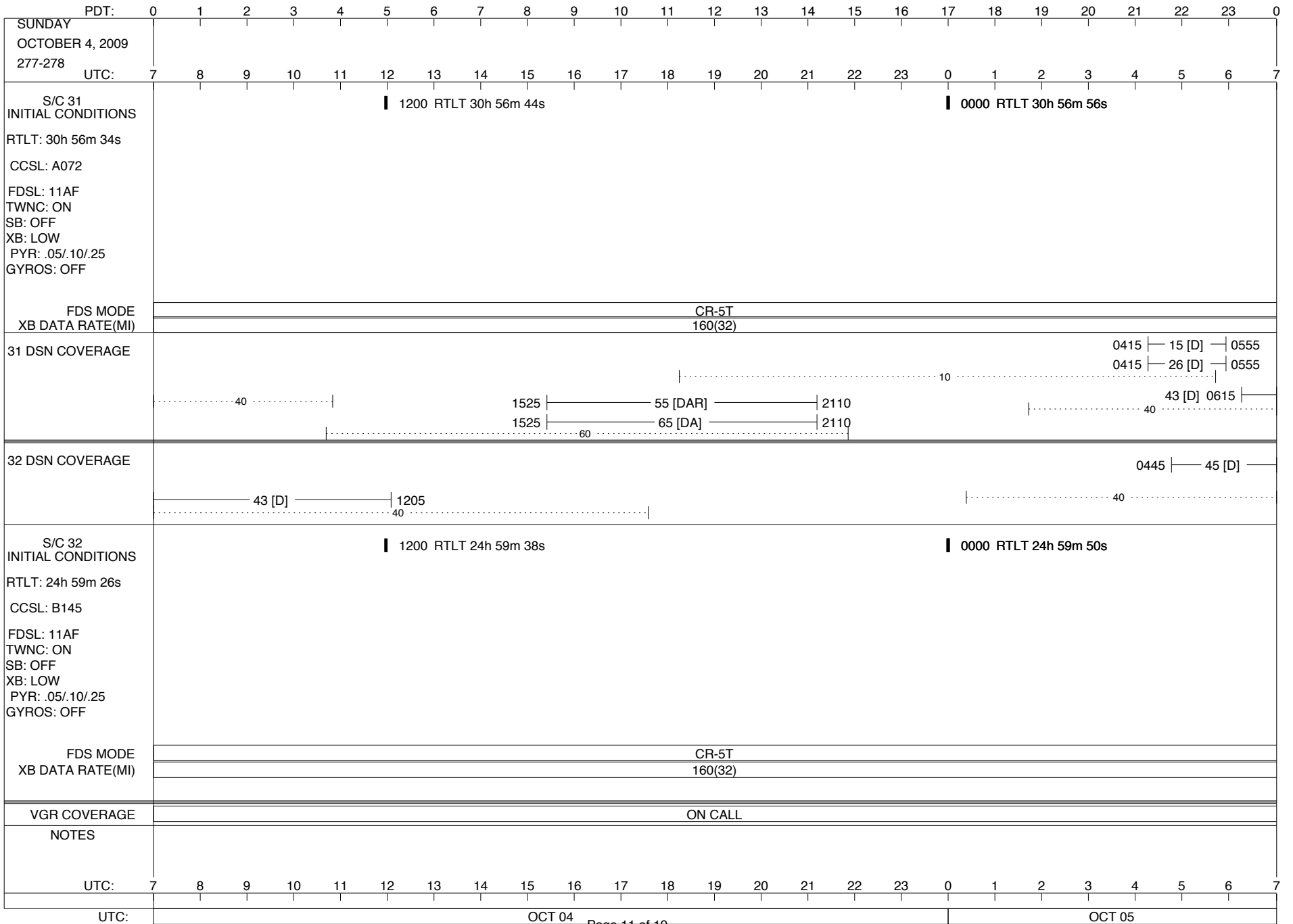
ISSUE DATE: 09/28/09 17:28



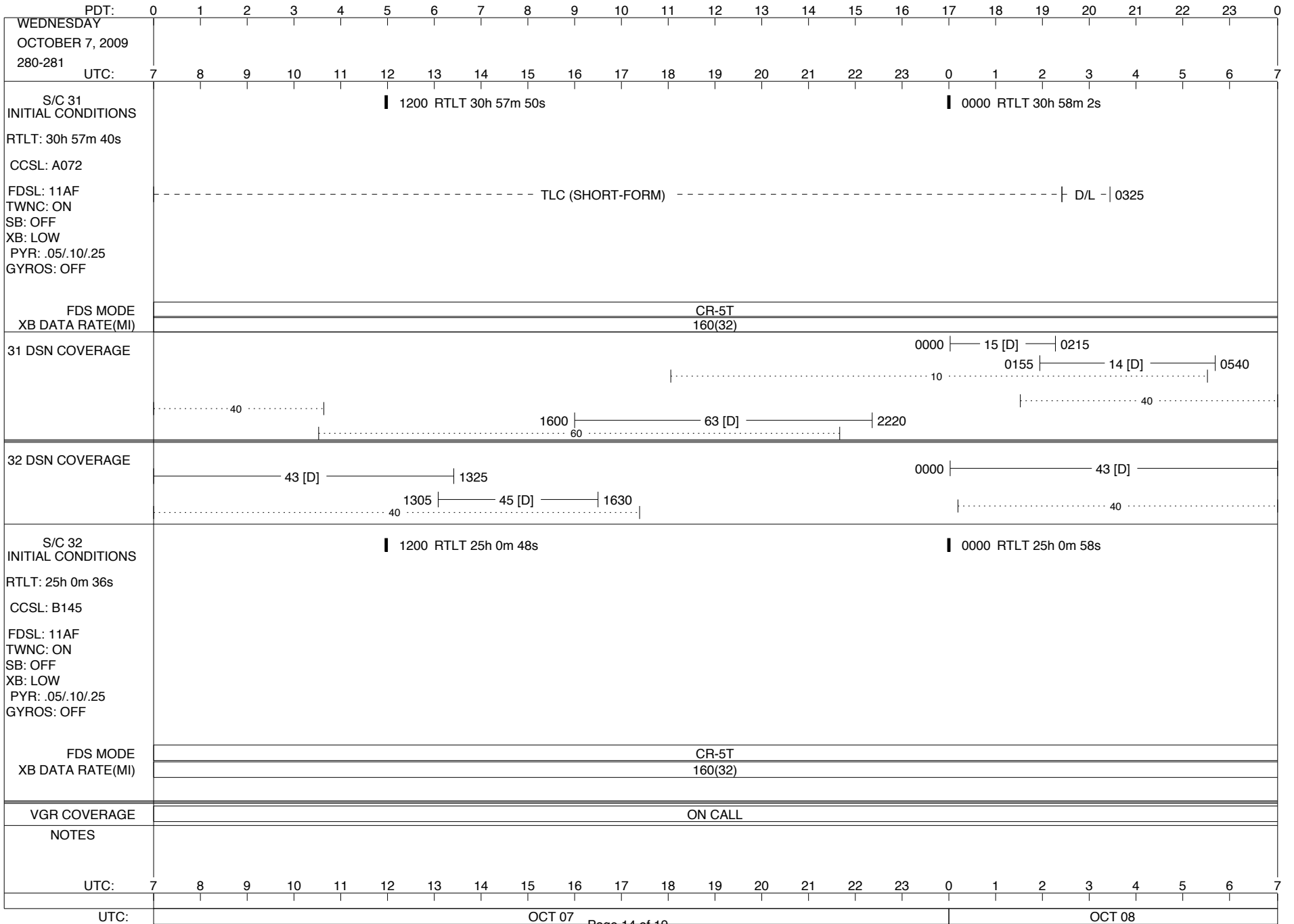
ISSUE DATE: 09/28/09 17:28

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 OCTOBER 3, 2009 276-277																										
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: 30h 56m 12s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 30h 56m 22s												█ 0000 RTLT 30h 56m 34s													
	| | 0708 - 0721 TAPPOS 1010 | 1011 PWS/RH 1218 | - | 1245 TAPPOS																									
	↓ 1010 GS-4B 1011																									
FDS MODE	CR-5T												CR-5T													
XB DATA RATE(MI)	160(32)												160(32)													
31 DSN COVERAGE	..... 40 .....												..... 10											
	1415 |----- 55 [DAR] -----| 2230												0335 |----- 15 [DA] -----| 0605 0420 |----- 25 [DAR] -----| 0605													
	1415 |----- 65 [DA] -----| 2230												..... 40												
	..... 60																								
32 DSN COVERAGE	..... 40 .....												..... 40											
	43 [o] -----| 1535												0145 - 0635 |----- 45 [D] -----|													
	..... 40 .....												..... 40 [D] 0615 |-----													
S/C 32 INITIAL CONDITIONS RTLT: 24h 59m 4s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	█ 1200 RTLT 24h 59m 16s												█ 0000 RTLT 24h 59m 26s													
FDS MODE													CR-5T													
XB DATA RATE(MI)													160(32)													
VGR COVERAGE													ON CALL													
NOTES	[1] S/C 31=GS-4B @ 1010 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:	OCT 03													OCT 04												

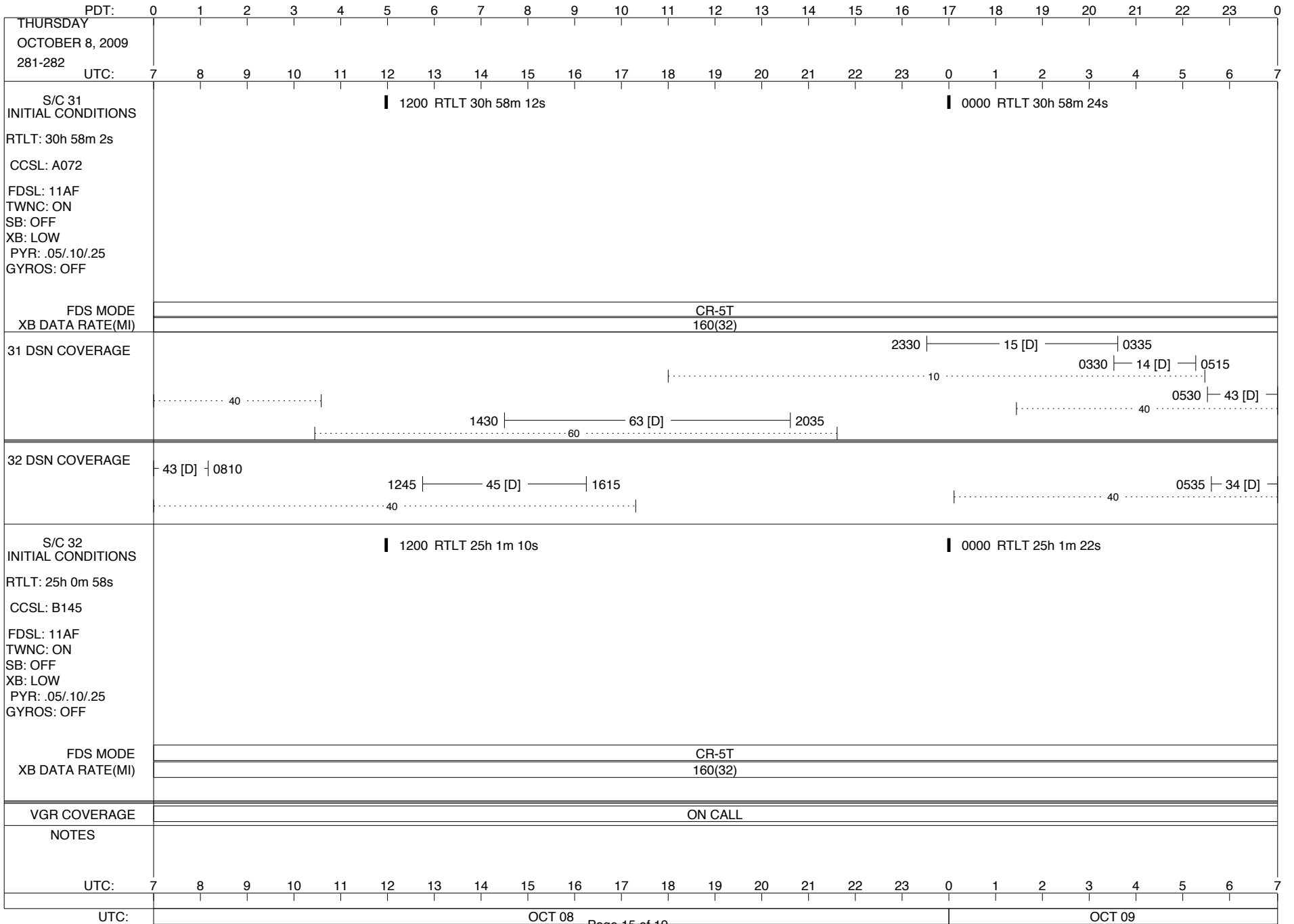
ISSUE DATE: 09/28/09 17:28



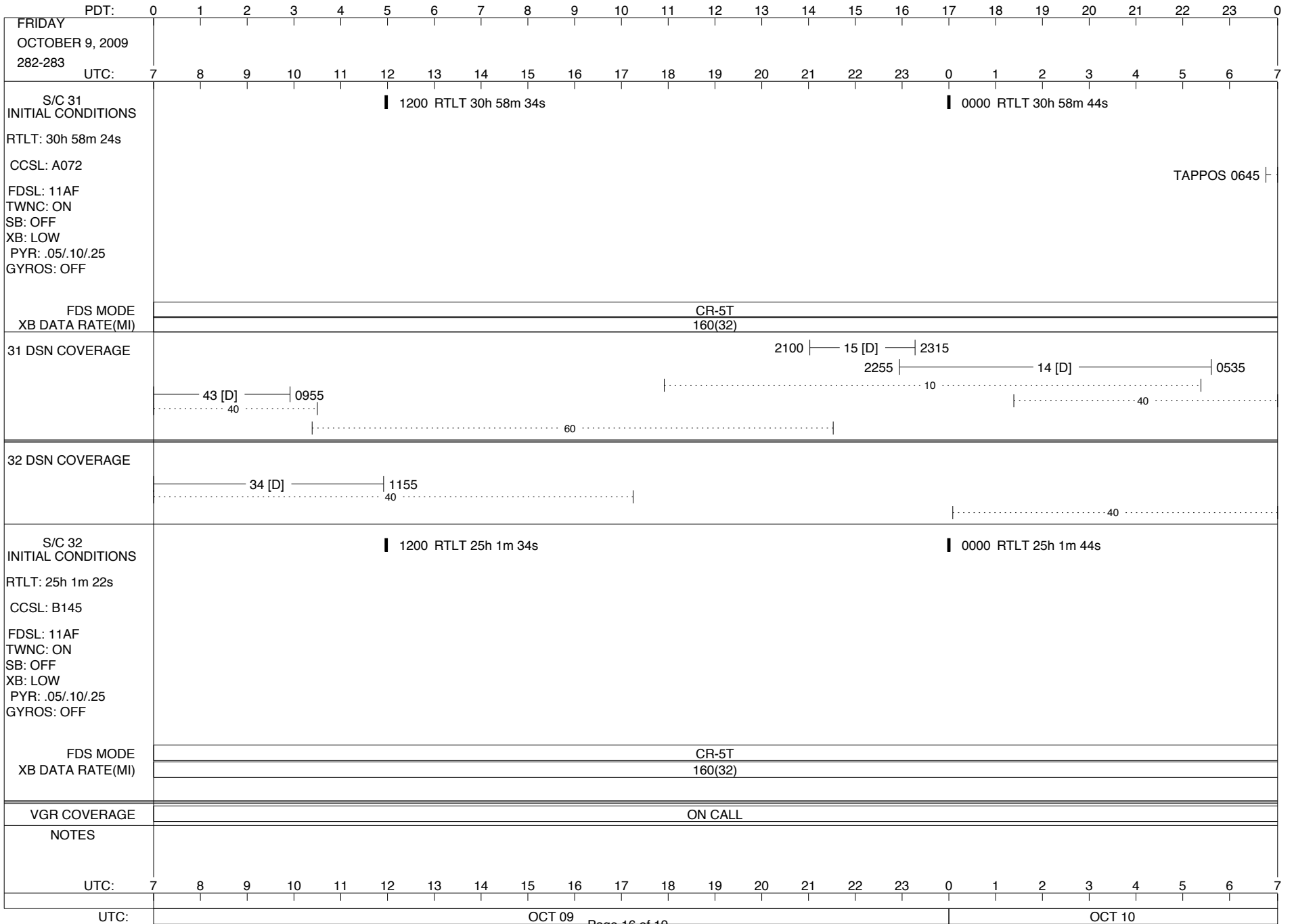
PDT:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0		
TUESDAY OCTOBER 6, 2009 279-280	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
UTC:	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7		
S/C 31 INITIAL CONDITIONS RTLT: 30h 57m 18s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 30h 57m 28s												0000 RTLT 30h 57m 40s														
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
31 DSN COVERAGE	40												0105 | 15 [D] | 0240 0240 | 25 [DA] | 0550 0240 | 26 [DAR] | 0550 1645 | 63 [T] | 2220 60														
32 DSN COVERAGE	45 [D] | 1635 40												0535 | 43 [D] | 40														
S/C 32 INITIAL CONDITIONS RTLT: 25h 0m 12s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	1200 RTLT 25h 0m 24s												0000 RTLT 25h 0m 36s														
FDS MODE	CR-5T												CR-5T														
XB DATA RATE(MI)	160(32)												160(32)														
VGR COVERAGE	ON CALL												ON CALL														
NOTES	[1] S/C 31=GS-4B @ 0347 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:	OCT 06														OCT 07												



ISSUE DATE: 09/28/09 17:28



ISSUE DATE: 09/28/09 17:28



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 OCTOBER 10, 2009 283-284	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: 30h 58m 44s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 30h 58m 56s												0000 RTLTL 30h 59m 6s												
0726 TAPPOS 0948 | 0948 PWS/RH 1155 | - - - | 1250 TAPPOS ↓ 0948 GS-4B 0948																									
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)												CR-5T 160(32)												
31 DSN COVERAGE	<p>2105 |-----| 14 [D] |-----| 0355</p> <p>..... 10 40</p> <p>..... 40</p> <p>1645 |-----| 63 [D] |-----| 2125</p> <p>..... 60</p>																								
32 DSN COVERAGE	<p>0750 |-----| 34 [o] |-----| 1325</p> <p>..... 40</p> <p>1305 |-----| 45 [D] |-----| 1620</p> <p>..... 40</p> <p>..... 40</p> <p>..... 34 [D] 0635 |-----</p>																								
S/C 32 INITIAL CONDITIONS RTLTL: 25h 1m 44s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/10/25 GYROS: OFF	1200 RTLTL 25h 1m 56s												0000 RTLTL 25h 2m 8s												
FDS MODE XB DATA RATE(MI)	CR-5T 160(32)																								
VGR COVERAGE	ON CALL																								
NOTES	[1] S/C 31=GS-4B @ 0948 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:	OCT 10												OCT 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
SUNDAY OCTOBER 11, 2009 284-285																									
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: 30h 59m 6s CCSL: A072 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 30h 59m 16s												| 0000 RTLT 30h 59m 28s												
FDS MODE	CR-5T																								
XB DATA RATE(MI)	160(32)																								
31 DSN COVERAGE	..... 40												2140 |----- 15 [D] -----| 0350 10											
	..... 1600 |----- 63 [D] -----| 2200 60												0130 |----- 43 [D] -----| ..... 40											
32 DSN COVERAGE	34 [D] | 0805												0345 |----- 34 [D] -----|												
	0745 |----- 45 [D] -----| 1450 40 .....												..... 40											
S/C 32 INITIAL CONDITIONS RTLT: 25h 2m 8s CCSL: B145 FDSL: 11AF TWNC: ON SB: OFF XB: LOW PYR: .05/.10/.25 GYROS: OFF	| 1200 RTLT 25h 2m 20s												| 0000 RTLT 25h 2m 30s												
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:	OCT 11												OCT 12												

ISSUE DATE: 09/28/09 17:28

