# VOYAGER
# Space Flight Operations Schedule (SFOS)

Issue Date: May 28, 2014 For the Period: 05/29/14 to 06/16/21 (14-149 – 14-167)

**DSN OPSCHIEF (1) 230-102**

**DSOT (1) 230-102**

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

**OTHER**

* KMassey@jgld.gdscc.nasa.gov
* Belinda.Arroyo@jpl.nasa.gov
*DL-DSSN-MPSETA@dsn.nasa.gov

**SCIENCE**

CRS *bryant@mail630.gsfc.nasa.gov
LECP *r.decker@jhuapl.edu
UVS *holburg@argus.lpl.arizona.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

**FLIGHT TEAM (14) 600-100**

Dodd, S.
Hall, J.
Howard, S. (3)
Ludwig, R. (2)
Matsumoto, S.
Medina
Peralta, F.
Weeks, T.
Wong, R.
Yang, L.
Zottarelli, L.
*odivers@san.rr.com

**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

*Electronic Copy Only
(16 – Dist/N: Paper Copies)
09/08/10

ISSUE DATE: 06/04/14 16:11

THURSDAY
MAY 29, 2014
149-150

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

**S/C 31 INITIAL CONDITIONS**

RTLT: 35h 13m 30s
CCSL: A091
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 35h 13m 34s
- 0000 RTLT 35h 13m 38s
- TLC (SHORT-FORM)
- D/L 0106
- 1754 – 1823 TAPPOS
- 2056 2057 PWS/RH
- 2108 – 2151 TAPPOS
- 2056 GS-4B 2057

FDS MODE: CR-5T | CR-5T
XB DATA RATE(MI): 160(32) | 160(32)

**31 DSN COVERAGE**

- 14 [D] 0705 - 1150
- 10
- 10
- 40
- 0200 - 0625 63 [D]
- 60

**32 DSN COVERAGE**

- 1235 34 [D] 1905
- 1945 43 [D] 2240
- 40

**S/C 32 INITIAL CONDITIONS**

RTLT: 28h 55m 26s
CCSL: B164
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

- 1200 RTLT 28h 55m 26s
- 0000 RTLT 28h 55m 24s
- COMMAND MORATORIUM
- 2000 GYROS AC ON
- 2000 GYRO INIT
- 2010 GYRO FAULT TEST

FDS MODE: VGR
XB DATA RATE(MI): 160(32)

**VGR COVERAGE**: ON CALL | VGR | ON CALL

**NOTES**

[1] S/C 31=GS-4B @ 2056 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 29 | MAY 30

ISSUE DATE: 06/04/14 16:11

FRIDAY
MAY 30, 2014
150-151

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

S/C 31
INITIAL CONDITIONS

RTLT: 35h 13m 38s

CCSL: A091

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 13m 42s

0000 RTLT 35h 13m 46s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1010 — 14 [D] — 1345
10
40
60
0545 — 14 [D]
10

32 DSN COVERAGE

1540 — 43 [o] — 2240
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 55m 24s

CCSL: B164

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: AC ON

1200 RTLT 28h 55m 24s

0000 RTLT 28h 55m 24s

COMMAND MORATORIUM — 1504

FDS MODE: VGR

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: MAY 30 | MAY 31

ISSUE DATE: 06/04/14 16:11

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

SATURDAY
MAY 31, 2014
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: 35h 13m 46s

CCSL: A091

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 13m 50s

0000 RTLT 35h 13m 54s

2054 2137 TAPPOS

2356 2357 PWS/RH

0008 0105 TAPPOS

2356 GS-4B 2357

FDS MODE: CR-5T | CR-5T

XB DATA RATE(MI): 160(32) | 160(32)

31 DSN COVERAGE

14 [D] 1405
10

1545 43 [D] 1855
40

10

0150 63 [D] 0535
60

32 DSN COVERAGE

1505 45 [D] 2000

1940 43 [D] 2240
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 55m 24s

CCSL: B164

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: AC ON

1200 RTLT 28h 55m 24s

0000 RTLT 28h 55m 24s

2000 GYRO INIT

FDS MODE: VGR

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 2356 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

ISSUE DATE: 06/04/14 16:11

SUNDAY
JUNE 1, 2014
152-153

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

S/C 31
INITIAL CONDITIONS

RTLT: 35h 13m 54s

CCSL: A091

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 13m 58s

0000 RTLT 35h 14m 4s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0800 — 24 [DA] — 1205
0800 — 25 [DAR] — 1205
10
40
0445 — 14 [D]
10
2245 — 63 [D] — 0505
60

32 DSN COVERAGE

0850 — 43 [o] — 1520
40
1920 — 43 [D] — 2240

S/C 32
INITIAL CONDITIONS

RTLT: 28h 55m 24s

CCSL: B164

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: AC ON

1200 RTLT 28h 55m 24s

0000 RTLT 28h 55m 24s

FDS MODE: VGR

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 01 | JUN 02

ISSUE DATE: 06/04/14 16:11

MONDAY
JUNE 2, 2014
153-154

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

**S/C 31 INITIAL CONDITIONS**

RTLT: 35h 14m 4s
CCSL: A091
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 14m 8s

0000 RTLT 35h 14m 12s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

**31 DSN COVERAGE**

14 [D] 1205
10
10
40
0145 - 0625 63 [D]
60

**32 DSN COVERAGE**

1115 34 [o] 1955
40

**S/C 32 INITIAL CONDITIONS**

RTLT: 28h 55m 24s
CCSL: B164
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: AC ON

1200 RTLT 28h 55m 24s

0000 RTLT 28h 55m 24s

2000 GYRO INIT

FDS MODE: VGR

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 02 | JUN 03

ISSUE DATE: 06/04/14 16:11

TUESDAY
JUNE 3, 2014
154-155

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

**S/C 31 INITIAL CONDITIONS**

RTLT: 35h 14m 12s
CCSL: A091
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 14m 16s
0000 RTLT 35h 14m 22s
U/L 1325
TLC (SHORT-FORM)
1419 1420 PWS/RH
1650 DUMMY (04:04)
1419 GS-4B 1420

FDS MODE: CR-5T | CR-5T
XB DATA RATE(MI): 160(32) | 160(32)

**31 DSN COVERAGE**

0925 14 [T] 1355 1610 43 1655
10
10
40
60

**32 DSN COVERAGE**

1145 34 [o] 2145
40

**S/C 32 INITIAL CONDITIONS**

RTLT: 28h 55m 24s
CCSL: B164
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: AC ON

1200 RTLT 28h 55m 24s
0000 RTLT 28h 55m 24s

FDS MODE: VGR
XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

[1] S/C 31=GS-4B @ 1419 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 03 | JUN 04

ISSUE DATE: 06/04/14 16:11

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

WEDNESDAY
JUNE 4, 2014
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: 35h 14m 22s

CCSL: A091

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 14m 26s

0000 RTLT 35h 14m 30s

TLC (SHORT-FORM)

D/L 0207

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

*0745* — *14 [D]* — *1335*
10

14 [D] 0645
10

40

0140 — 63 [D] — 0445
60

32 DSN COVERAGE

*1125* — *34 [D]* — *1905*
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 55m 24s

CCSL: B164

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: AC ON

1200 RTLT 28h 55m 24s

0000 RTLT 28h 55m 24s

2000 GYRO INIT

FDS MODE: VGR

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 04 | JUN 05

ISSUE DATE: 06/04/14 16:11

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

THURSDAY
JUNE 5, 2014
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: 35h 14m 30s

CCSL: A091

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 14m 36s

0000 RTLT 35h 14m 40s

1731 – 1814 TAPPOS

2032 2033 PWS/RH

2044 – 2141 TAPPOS

2032 GS-4B 2033

FDS MODE: CR-5T | CR-5T

XB DATA RATE(MI): 160(32) | 160(32)

31 DSN COVERAGE

14 [D] 1255
10
40
0310 14 [D]
10
0135 63 [D] 0310
60

32 DSN COVERAGE

1240 34 [D] 2135
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 55m 24s

CCSL: B164

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: AC ON

1200 RTLT 28h 55m 24s

0000 RTLT 28h 55m 24s

0808 – COMMAND MORATORIUM –

FDS MODE: VGR

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 2032 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: 06/04/14 16:11

FRIDAY
JUNE 6, 2014
157-158

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

**S/C 31 INITIAL CONDITIONS**

RTLT: 35h 14m 40s
CCSL: A091
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 35h 14m 44s
- 0000 RTLT 35h 14m 50s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

**31 DSN COVERAGE**

- 14 [D] 1250
- 10
- 10
- 40
- 0035 63 [D] 0440
- 60

**32 DSN COVERAGE**

- 1215 45 [D] 1715
- 1730 43 [D] 2240
- 40

**S/C 32 INITIAL CONDITIONS**

RTLT: 28h 55m 24s
CCSL: B164
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: AC ON

- 1200 RTLT 28h 55m 26s
- 0000 RTLT 28h 55m 26s
- COMMAND MORATORIUM
- 1233 GYRO SWAP BC ON
- 1234 GYRO INIT
- 1243 GYRO FAULT TEST
- 1300 BAY 1 HTR OFF
- 1304 X/B HI POWER
- 1337 – 1343 CCSTIM(B)

FDS MODE: VGR

XB DATA RATE(MI): 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 06 | JUN 07

ISSUE DATE: 06/04/14 16:11

SATURDAY
JUNE 7, 2014
158-159

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

**S/C 31 INITIAL CONDITIONS**

RTLT: 35h 14m 50s
CCSL: A091
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 14m 54s
0000 RTLT 35h 15m 0s
2031 – 2128 TAPPOS
2332 2334 PWS/RH
2344 – 0055 TAPPOS
2332 GS-4B 2334

FDS MODE: CR-5T | CR-5T
XB DATA RATE(MI): 160(32) | 160(32)

**31 DSN COVERAGE**

0905 – 14 [D] – 1340
10
40
60
0255 – 14 [D]
10

**32 DSN COVERAGE**

1420 – 34 [o] – 2300
40

**S/C 32 INITIAL CONDITIONS**

RTLT: 28h 55m 26s
CCSL: B164
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 28h 55m 26s
0000 RTLT 28h 55m 26s
0808 COMMAND MORATORIUM

FDS MODE: VGR
XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 2332 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 07 | JUN 08

ISSUE DATE: 06/04/14 16:11

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
JUNE 8, 2014
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: 35h 15m 0s

CCSL: A091

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 15m 4s

0000 RTLT 35h 15m 10s

U/L 2150 TLC (SHORT-FORM)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 1055
10
40
1850 63 [T] 0245
60
15 [DAR] 0605
25 [DA] 0605
10

32 DSN COVERAGE

1600 43 [o] 2240
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 55m 26s

CCSL: B164

FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 28h 55m 26s

0000 RTLT 28h 55m 28s

FDS MODE: VGR

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 08 | JUN 09

ISSUE DATE: 06/04/14 16:11

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 9, 2014
160-161

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: 35h 15m 10s

CCSL: A091

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 15m 16s

0000 RTLT 35h 15m 20s

TLC (SHORT-FORM)

1620 DUMMY (03:35)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

15 [DAR] 1100
25 [DA] 1100
10
40
1555 43 1640
60
10

32 DSN COVERAGE

1315 45 [D] 2300
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 55m 28s

CCSL: B164

FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 28h 55m 28s

0000 RTLT 28h 55m 28s

FDS MODE: VGR

XB DATA RATE(MI): 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 09 | JUN 10

ISSUE DATE: 06/04/14 16:11

TUESDAY
JUNE 10, 2014
161-162

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

**S/C 31 INITIAL CONDITIONS**

RTLT: 35h 15m 20s
CCSL: A091
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 15m 26s
0000 RTLT 35h 15m 32s
TLC (SHORT-FORM)
D/L 1033
1355 1356 PWS/RH
1355 GS-4B 1356

FDS MODE: CR-5T | CR-5T
XB DATA RATE(MI): 160(32) | 160(32)

**31 DSN COVERAGE**

0925 14 [D] 1325
10
40
10
0000 63 [D] 0600
60

**32 DSN COVERAGE**

1355 45 [D] 2145
40

**S/C 32 INITIAL CONDITIONS**

RTLT: 28h 55m 28s
CCSL: B164
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 28h 55m 30s
0000 RTLT 28h 55m 30s
1333 GYRO INIT

FDS MODE: VGR
XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1355 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 10 | JUN 11

ISSUE DATE: 06/04/14 16:11

WEDNESDAY
JUNE 11, 2014
162-163

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

**S/C 31 INITIAL CONDITIONS**

RTLT: 35h 15m 32s
CCSL: A091
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 15m 36s

0000 RTLT 35h 15m 42s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

**31 DSN COVERAGE**

0815 — 15 [DAR] — 1140
0815 — 26 [DA] — 1140
10
1140 — 14 [D] — 1320
40
0505 — 14 [D]
10
0110 — 63 [D] — 0525
60

**32 DSN COVERAGE**

1525 — 43 [B] — 1750
1730 — 34 [D] — 2250
40

**S/C 32 INITIAL CONDITIONS**

RTLT: 28h 55m 30s
CCSL: B164
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 28h 55m 32s

0000 RTLT 28h 55m 32s

1537 DUMMY (5 MIN BRACKETED 20:33)

FDS MODE: VGR

XB DATA RATE(MI): 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 11 | JUN 12

ISSUE DATE: 06/04/14 16:11

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

THURSDAY
JUNE 12, 2014
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: 35h 15m 42s

CCSL: A091

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 15m 48s

0000 RTLT 35h 15m 54s

1707 – 1804 TAPPOS

2008 2010 PWS/RH

2021 – 2131 TAPPOS

2008 GS-4B 2010

FDS MODE: CR-5T | CR-5T

XB DATA RATE(MI): 160(32) | 160(32)

31 DSN COVERAGE

14 [D] 0945
10

40

0330 14 [D]
10

0050 63 [D] 0405
60

32 DSN COVERAGE

1515 34 [D] 1800
1750 45 [D] 2145
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 55m 32s

CCSL: B164

FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 28h 55m 34s

0000 RTLT 28h 55m 34s

1516 – COMMAND MORATORIUM –

FDS MODE: VGR

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 2008 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

ISSUE DATE: 06/04/14 16:11

FRIDAY
JUNE 13, 2014
164-165

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

**S/C 31 INITIAL CONDITIONS**

RTLT: 35h 15m 54s
CCSL: A091
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 35h 15m 58s
- 0000 RTLT 35h 16m 4s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

**31 DSN COVERAGE**

- 14 [D] — 1000 (10)
- (40)
- 0540 — 14 [D] (10)
- 0110 — 65 [DA] — 0435
- 0110 — 55 [DAR] — 0435 (60)

**32 DSN COVERAGE**

- 1310 — 43 [D] — 2240 (40)

**S/C 32 INITIAL CONDITIONS**

RTLT: 28h 55m 34s
CCSL: B164
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

- 1200 RTLT 28h 55m 36s
- 0000 RTLT 28h 55m 36s
- COMMAND MORATORIUM
- 1316 TEMP CRS CMD WORD UPD
- 1343 AAI
- 1346 — MAGROL — 1942
- 1935 RAI
- 1942 GYROS OFF
- 1942 CRU
- 1954 RESTORE CRS CMD WORDS

FDS MODE: VGR

XB DATA RATE(MI): 160(32)

**VGR COVERAGE**: ON CALL | VGR | ON CALL

**NOTES**

[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (1346-1941)

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 13 | JUN 14

ISSUE DATE: 06/04/14 16:11

SATURDAY
JUNE 14, 2014
165-166

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

**S/C 31 INITIAL CONDITIONS**

RTLT: 35h 16m 4s
CCSL: A091
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 16m 10s
0000 RTLT 35h 16m 16s
2008 – 2118 TAPPOS
2309 2310 PWS/RH
2321 TAPPOS 0046
2309 GS-4B 2310

FDS MODE: CR-5T | CR-5T
XB DATA RATE(MI): 160(32) | 160(32)

**31 DSN COVERAGE**

14 [D] 1310 (10)
(40)
(10)
0025 65 [DA] 0430
0025 55 [DAR] 0430
1810 63 [D] 2055 (60)

**32 DSN COVERAGE**

1145 43 [o] 1515 (40) 1825 43 [D] 2240

**S/C 32 INITIAL CONDITIONS**

RTLT: 28h 55m 36s
CCSL: B164
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 28h 55m 38s
0000 RTLT 28h 55m 38s
COMMAND MORATORIUM 1446

FDS MODE: VGR
XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 2309 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: 06/04/14 16:11

SUNDAY
JUNE 15, 2014
166-167

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

S/C 31
INITIAL CONDITIONS

RTLT: 35h 16m 16s

CCSL: A091

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 16m 22s

0000 RTLT 35h 16m 28s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0850 — 24 [DAR] — 1200
0850 — 25 [DA] — 1200
10
40
1945 — 63 [D] — 0025
60
0145 - 0645 — 14 [D]
10

32 DSN COVERAGE

1645 — 45 [D] — 2240
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 55m 38s

CCSL: B164

FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 28h 55m 40s

0000 RTLT 28h 55m 42s

FDS MODE: VGR

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 15 | JUN 16

ISSUE DATE: 06/04/14 16:11

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 16, 2014
167-168

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: 35h 16m 28s

CCSL: A091

FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 35h 16m 34s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0835 — 25 [DAR] — 1200
0835 — 26 [DA] — 1200
10
40

32 DSN COVERAGE

43 [D] 0735 - 0840
1905 — 43 [D] — 2305

S/C 32
INITIAL CONDITIONS

RTLT: 28h 55m 42s

CCSL: B164

FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 28h 55m 42s

FDS MODE: VGR

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 16 | JUN 17