VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: February 25, 2004

For the Period: 02/26/04 to 03/14/04 (04-057 - 04-074)

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 (2)

Espejo, P. 507-215
Wallace, L 507-215
* KMassey@jgld.gdscc.nasa.gov
* Byron.G.Yetter@jpl.nasa.gov
* Belinda.Arroyo@jpl.nasa.gov
* Ruben.P.Espinueva@jpl.nasa.gov
* Karen.E.Yetter@jpl.nasa.gov
* MCarmichael@jftl.jpl.nasa.gov

SCIENCE (1)

Wong, R. 600-100
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 (17) 600-100

Hall, J.
Hogle, T. (2)
Howard, S. (3)
Ludwig, R. (2)
Massey, Ed
Matsumoto, S.
Medina (AACS)
Poynter, R.
Presley (3) (DSE)
Weeks, T.
Zottarelli, L.
*charlotte.m.weiss@jpl.nasa.gov
*odivers@san.rr.com

NOPES (1)

Millner, I 507-120

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
D = Downlink only pass
A = Arrayed station
U = Uplink only pass
B = BLF
[o] = Ramp-through
H = High Power Transmitter
T = TLC Uplink

*Electronic Copy Only
(23 – Dist/N: Paper Copies)
11/25/03

ISSUE DATE: 02/25/04 06:26

THURSDAY
FEBRUARY 26, 2004
057-058

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 17m 12s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 25h 17m 10s — TLC (SHORT-FORM) — 0000 RTLT 25h 17m 6s — D/L

S/C 31 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -23.228 secs

ROLLREF = RIGIL KENTAURUS

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

31 DSN COVERAGE

1000 — 26 [D] — 1900
10
40
60
0210 — 65 [D]
60

32 DSN COVERAGE

1730 — 43 [D] — 1930
1920 — 45 [D] — 0440
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 18m 4s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 20h 18m 4s — 0000 RTLT 20h 18m 2s

S/C 32 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -3:08.116 min

ROLLREF = VEGA

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

VGR COVERAGE: ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: FEB 26 | FEB 27

ISSUE DATE: 02/25/04 06:26

FRIDAY
FEBRUARY 27, 2004
058-059

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 17m 6s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 25h 17m 4s
- 0000 RTLT 25h 17m 2s
- 0815 D/L
- 0042 – – – 0124 TAPPOS
- 0345 | 0346 PWS/RH
- TAPPOS 0552 – – 0620
- 0345 GS-4B 0346

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

31 DSN COVERAGE

- 1000 – 26 [D] – 1850
- 10
- 40
- 0855 65 [D]
- 60
- 0100 – 63 [D]
- 60

32 DSN COVERAGE

- 2035 – 45 [D] – 0435
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 18m 2s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 20h 18m 0s
- 0000 RTLT 20h 18m 0s

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

VGR COVERAGE: **ON CALL**

NOTES

[1] S/C 31=GS-4B @ 0345 XB=2.8K(41) NOT RECOVERABLE

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: FEB 27 | FEB 28

ISSUE DATE: 02/25/04 06:26

SATURDAY
FEBRUARY 28, 2004
059-060

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 17m 2s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 25h 17m 0s

0000 RTLT 25h 16m 58s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0905 — 15 [D] — 1940
10
40
0830 63 [D]
60
0055 — 63 [D]
60

32 DSN COVERAGE

1525 — 43 [o] — 0435
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 18m 0s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 20h 17m 58s

0000 RTLT 20h 17m 56s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: FEB 28 | FEB 29

ISSUE DATE: 02/25/04 06:26

SUNDAY
FEBRUARY 29, 2004
060-061

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 16m 58s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 25h 16m 56s

0000 RTLT 25h 16m 54s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0900 — 15 [D] — 1930
10
40
0825 63 [D]
60
0045 — 63 [D]
60

32 DSN COVERAGE

1440 — 43 [D] — 0350
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 17m 56s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 20h 17m 54s

0000 RTLT 20h 17m 54s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: FEB 29 | MAR 01

ISSUE DATE: 02/25/04 06:26

PST: 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
MARCH 1, 2004
061-062

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31
INITIAL CONDITIONS

RTLT: 25h 16m 54s

CCSL: A050

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

1200 RTLT 25h 16m 52s

0000 RTLT 25h 16m 50s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0900 — 15 [D] — 1930
10
40

0830 63 [D]
60

0340 — 55 [D]
60

32 DSN COVERAGE

1500 — 43 [D] — 2045
2025 — 45 [D] — 0645
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 17m 54s

CCSL: B123

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

1200 RTLT 20h 17m 52s

0000 RTLT 20h 17m 50s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 01 | MAR 02

ISSUE DATE: 02/25/04 06:26

TUESDAY
MARCH 2, 2004
062-063

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 16m 50s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 25h 16m 48s
- 0000 RTLT 25h 16m 46s
- 1600 GYROS BC ON
- 1600 GYRO INIT
- 1610 GYRO FAULT TEST
- 2121 | 2121 PWS/RH
- 2121 GS-4B 2121

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

31 DSN COVERAGE

- 0925 — 15 [D] — 1925 (10)
- (40)
- 55 [D] — 0940 (60)
- 0335 — 55 [D] (60)

32 DSN COVERAGE

- 1430 — 43 [D] — 0340 (40)

S/C 32 INITIAL CONDITIONS

RTLT: 20h 17m 50s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 20h 17m 48s
- 0000 RTLT 20h 17m 46s
- 2014 | 2014 PWS/RH
- **2014** GS-4B 2014

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 @ 2121 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 32=GS-4B @ 2014 XB=2.8K(41) NOT RECOVERABLE

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 02 | MAR 03

ISSUE DATE: 02/25/04 06:26

PST: 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
MARCH 3, 2004
063-064

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 16m 46s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 25h 16m 42s
- 0000 RTLT 25h 16m 40s
- 1312 – 1632 PESCAL
- 1312 – 1454 PLSCAL
- 1312 – 1614 MAGCAL

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

31 DSN COVERAGE

- 0845 – 15 [D] – 1925 (10, 40)
- 55 [D] – 0905 (60)
- 0145 – 65 [D] (60)

32 DSN COVERAGE

- 1615 – 45 [D] – 1945
- 1925 – 43 [B] – 0040 (40)

S/C 32 INITIAL CONDITIONS

RTLT: 20h 17m 46s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 20h 17m 44s
- 0000 RTLT 20h 17m 42s
- 1952 DUMMY (5 MIN BRACKETED 16:10)
- 2256 – CMD MORATORIUM

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 03 | MAR 04

ISSUE DATE: 02/25/04 06:26

THURSDAY
MARCH 4, 2004
064-065

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 16m 40s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 25h 16m 38s

0000 RTLT 25h 16m 36s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0930 — 25 [D] — 1825
10
40
65 [D] 0905
60
0330 — 55 [D]
60

32 DSN COVERAGE

1505 — 45 [D] — 0320
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 17m 42s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 20h 17m 40s

0000 RTLT 20h 17m 38s

CMD MORATORIUM
1842 GYRO AC ON
1843 GYRO INIT
1853 GYRO FAULT TEST

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 04 | MAR 05

ISSUE DATE: 02/25/04 06:26

FRIDAY
MARCH 5, 2004
065-066

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 16m 36s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 25h 16m 34s
0000 RTLT 25h 16m 32s
U/L 0530
DUMMY (03:17) 0200
TLC (SHORT-FORM)
0216 ALL DB=.05
0232
0310 ASCAL
0232 AAI
0528
0556 TAPPOS
0307 RAI
0310 CRU
0312 CR-5T 0320
0018
0100 TAPPOS
0318 YAW=.10
0318 ROLL=.25
0318 GYRO FAULT TEST
0320
0321 PWS/RH
0200
0320 GS-4B 0321

FDS MODE	CR-5T	EL-40	CR-5T
XB DATA RATE(MI)	160(32)	40(30)	160(32)

31 DSN COVERAGE

0930 — 26 [D] — 1545 (10)
(40)
0835 55 [D] (60)
0030 — 63 [T] (60)

32 DSN COVERAGE

1745 — 45 [D] — 0415 (40)

S/C 32 INITIAL CONDITIONS

RTLT: 20h 17m 38s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AC ON

1200 RTLT 20h 17m 36s
0000 RTLT 20h 17m 34s
CMD MORATORIUM
2255

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

VGR COVERAGE	ON CALL	VGR	ON CALL

NOTES

[1] S/C 31 - D/L /SNR VARIATIONS EXPECTED DURING ASCAL (0232-0310)
[2] S/C 31=EL-40 @ 0200 XB=40(30)
[3] S/C 31=CR-5T @ 0312 XB=160(32)
[4] S/C 31=GS-4B @ 0320 XB=2.8K(41) NOT RECOVERABLE

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 05 | MAR 06

ISSUE DATE: 02/25/04 06:26

PST: 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
MARCH 6, 2004
066-067

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31
INITIAL CONDITIONS

RTLT: 25h 16m 32s

CCSL: A050

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

1200 RTLT 25h 16m 30s

0000 RTLT 25h 16m 28s

TLC (SHORT-FORM)

- 0744 D/L

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

15 [D] 0840 - 1905
10
40

0835 63 [T]
60

0030 63 [D]
60

32 DSN COVERAGE

1850 45 [D] 0005
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 17m 34s

CCSL: B123

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

1200 RTLT 20h 17m 32s

1843 GYRO INIT

0000 RTLT 20h 17m 30s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 06 | MAR 07

ISSUE DATE: 02/25/04 06:26

SUNDAY
MARCH 7, 2004
067-068

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 16m 28s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 25h 16m 26s

0000 RTLT 25h 16m 24s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0905 — 15 [D] — 1905
10
40
0815 63 [D]
60
0020 - 0750 — 63 [D]
60

32 DSN COVERAGE

1430 — 43 [o] — 2240
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 17m 30s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AC ON

1200 RTLT 20h 17m 28s

0000 RTLT 20h 17m 26s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 07 | MAR 08

ISSUE DATE: 02/25/04 06:26

PST: 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
MARCH 8, 2004
068-069

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31
INITIAL CONDITIONS

RTLT: 25h 16m 24s

CCSL: A050

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

1200 RTLT 25h 16m 22s

0000 RTLT 25h 16m 18s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0920 — 25 [D] — 1810
10
40
10
0315 — 55 [D]
60
60

32 DSN COVERAGE

1555 — 43 [B] — 2045
2025 — 45 [D] — 0355
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 17m 26s

CCSL: B123

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

1200 RTLT 20h 17m 24s

0000 RTLT 20h 17m 22s

1843 GYRO INIT

1852 DUMMY (5 MIN BRACKETED 15:10)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 08 | MAR 09

ISSUE DATE: 02/25/04 06:26

TUESDAY
MARCH 9, 2004
069-070

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 16m 18s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 25h 16m 16s
0000 RTLT 25h 16m 14s
2056 2057 PWS/RH
0920 14/15 ARRAY TEST 1540
2056 GS-4B 2057

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

31 DSN COVERAGE

0855 15 [D A 3] 1630
0920 14 [D A 3] 1540
10
10
40
55 [D] 0915
60
0315 - 0755 55 [D]
60

32 DSN COVERAGE

1440 45 [D] 0435
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 17m 22s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AC ON

1200 RTLT 20h 17m 20s
0000 RTLT 20h 17m 18s
1949 1950 PWS/RH
2001 2111 TAPPOS
2103 PLSCAL 2245
2103 MAGCAL 0005
2103 PESCAL 0023
2301 COMMAND MORATORIUM
1949 GS-4B 1950

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 @ 2056 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 32=GS-4B @ 1949 XB=2.8K(41) NOT RECOVERABLE
[3] S/C 31 DSS-14/15 ARRAY TEST

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 09 | MAR 10

ISSUE DATE: 02/25/04 06:26

WEDNESDAY
MARCH 10, 2004
070-071

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 16m 14s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 25h 16m 12s
1400 GYRO INIT
0000 RTLT 25h 16m 10s

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

31 DSN COVERAGE

0910 — 25 [D] — 1545
10
40
10
0120 — 65 [D]
60
60

32 DSN COVERAGE

1845 — 43 [D] — 0345
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 17m 18s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AC ON

1200 RTLT 20h 17m 16s
0000 RTLT 20h 17m 12s
1843 GYRO INIT
1849 BAY 1 HTR OFF
1853 X/B HI POWER
1949 YAW=.05
1957 — PLAYBACK — 0233
COMMAND MORATORIUM
0247 YAW=.10

FDS MODE	CR-5T	PB-14 (1957)	CR-5T (0233)
XB DATA RATE(MI)	160(32)	1.4K(39)	160(32)

VGR COVERAGE	ON CALL	VGR	ON CALL

NOTES

[1] S/C 32=PB-14 @ 1957 XB=1.4K(39)

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 10 | MAR 11

ISSUE DATE: 02/25/04 06:26

PST: 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
MARCH 11, 2004
071-072

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31
INITIAL CONDITIONS

RTLT: 25h 16m 10s

CCSL: A050

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

1200 RTLT 25h 16m 8s

0000 RTLT 25h 16m 6s

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

31 DSN COVERAGE

0910 — 26 [D] — 1505
10
40
10
65 [D] — 0905
60
0115 — 65 [D]
60

32 DSN COVERAGE

1825 — 45 [D] — 0440
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 17m 12s

CCSL: B123

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

1200 RTLT 20h 17m 10s

1821 — 1828 TAPPOS
1832 GYRO FAULT TEST STOP
1842 GYRO A OFF
1842 GYROS BC ON
1843 GYRO INIT
1852 GYRO FAULT TEST
1943 — 1947 CCSTIM(B)
COMMAND MORATORIUM

0000 RTLT 20h 17m 8s

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 11 | MAR 12

ISSUE DATE: 02/25/04 06:26

FRIDAY
MARCH 12, 2004
072-073

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 16m 6s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 25h 16m 4s
0000 RTLT 25h 16m 2s
2354 – 0036 TAPPOS
0256 0257 PWS/RH
0503 – 0532 TAPPOS
0256 GS-4B 0257

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

31 DSN COVERAGE

0900 – 26 [D] – 1245
1225 – 25 [D] – 1545
10
40
10
65 [D] – 0915
60
0300 – 55 [D]
60

32 DSN COVERAGE

2030 – 43 [D] – 0145
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 17m 8s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 20h 17m 6s
0000 RTLT 20h 17m 4s
COMMAND MORATORIUM – 2225

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 0256 XB=2.8K(41) NOT RECOVERABLE

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 12 | MAR 13

ISSUE DATE: 02/25/04 06:26

SATURDAY
MARCH 13, 2004
073-074

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31
INITIAL CONDITIONS

RTLT: 25h 16m 2s

CCSL: A050

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

1200 RTLT 25h 16m 0s

0000 RTLT 25h 15m 58s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0900 — 25 [D] — 1750
10
10
40

55 [D] | 0900
60

0110 — 65 [D]
60

32 DSN COVERAGE

1510 — 43 [D] — 0040
40

0020 — 45 [D] — 0440

S/C 32
INITIAL CONDITIONS

RTLT: 20h 17m 4s

CCSL: B123

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

1200 RTLT 20h 17m 0s

0000 RTLT 20h 16m 58s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 13 | MAR 14

ISSUE DATE: 02/25/04 06:26

SUNDAY
MARCH 14, 2004
074-075

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 15m 58s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 25h 15m 56s
- 1559 GYRO INIT
- 0000 RTLT 25h 15m 54s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

- 0920 — 15 [D] — 1840
- 10
- 40
- 10
- 65 [D] — 0940
- 60
- 0250 — 55 [D]
- 60

32 DSN COVERAGE

- 1810 — 45 [D] — 0430
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 16m 58s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 20h 16m 56s
- 0000 RTLT 20h 16m 54s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 14 | MAR 15

ISSUE DATE: 02/25/04 06:26

MONDAY
MARCH 15, 2004
075-076

PST: 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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

S/C 31 INITIAL CONDITIONS

RTLT: 25h 15m 54s
CCSL: A050
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 25h 15m 52s

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

31 DSN COVERAGE

15 [D] 0830 - 1835
10

0850 55 [D]
60

32 DSN COVERAGE

1355 43 [D] 2045

S/C 32 INITIAL CONDITIONS

RTLT: 20h 16m 54s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 20h 16m 50s
1958 ALL DB=.05
2014 AAI
2049 RAI
2100 YAW=.10
2100 ROLL=.25
2102 GYRO FAULT TEST

1943 2055

FDS MODE	CR-5T	EL-40	CR-5T
XB DATA RATE(MI)	160(32)	40(30)	160(32)

VGR COVERAGE: ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

UTC: MAR 15 | MAR 16