VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: May 6, 2004

For the Period: 05/06/04 to 05/23/04 (04-127 - 04-144)

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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
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
(21 – Dist/N: Paper Copies)
04/02/04

ISSUE DATE: 05/06/04 13:00

THURSDAY
MAY 6, 2004
127-128

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: 25h 14m 54s
CCSL: A051
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 25h 14m 56s

0000 RTLT 25h 14m 58s

S/C 31 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -23.134 secs

ROLLREF = RIGIL KENTAURUS

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

26 [D] 1400 (10)
(40)
(60)
14 [D] 0645 (10)
2235 63 [D] (60)

32 DSN COVERAGE

1505 43 [B] 0035
0015 34 [D] 0210
(40)

S/C 32 INITIAL CONDITIONS

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

1200 RTLT 20h 11m 44s

1757 DUMMY (5 MIN BRACKETED 14:09)

0000 RTLT 20h 11m 40s

S/C 32 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -3:16.723 min

ROLLREF = VEGA

FDS MODE: CR-5T

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: MAY 06 | MAY 07

ISSUE DATE: 05/06/04 13:00

FRIDAY
MAY 7, 2004
128-129

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: 25h 14m 58s
CCSL: A051
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 25h 14m 58s
- 0000 RTLT 25h 15m 0s
- 0848 AAI
- 0851 – MAGROL – 1447
- 1440 RAI
- 1447 CRU
- 1447 GYROS OFF
- 2041 – 2056 TAPPOS
- 2344 – 2345 PWS/RH
- 0151 – 0151 TAPPOS
- **2344** GS-4B 2345

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

31 DSN COVERAGE

- 14 [D] – 1540 (10)
- 26 [D] 0640 (10)
- (40)
- 0705 63 [D] (60)
- 2245 - 0700 – 65 [D] (60)

32 DSN COVERAGE

- 1200 – 45 [D] – 0245 (40)

S/C 32 INITIAL CONDITIONS

RTLT: 20h 11m 40s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 20h 11m 38s
- 0000 RTLT 20h 11m 36s

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

[1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0851-1447)
[2] S/C 31=GS-4B @ 2344 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 07 | MAY 08

ISSUE DATE: 05/06/04 13:00

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 8, 2004
129-130

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: 25h 15m 0s

CCSL: A051

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

1200 RTLT 25h 15m 2s

0000 RTLT 25h 15m 4s

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

31 DSN COVERAGE

26 [D] 1410 (10)

40

26 [D] 0605 (10)

0700 65 [D] (60)

2235 - 0625 63 [D] (60)

32 DSN COVERAGE

1205 43 [o] 1600

2130 45 [D] 0235

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 11m 36s

CCSL: B123

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

1200 RTLT 20h 11m 34s

0000 RTLT 20h 11m 32s

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: MAY 08 | MAY 09

ISSUE DATE: 05/06/04 13:00

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
MAY 9, 2004
130-131

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: 25h 15m 4s

CCSL: A051

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

1200 RTLT 25h 15m 6s

0000 RTLT 25h 15m 8s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

26 [D] 1405
10
40
10
2010 63 [D] 0130
0110 - 0655 65 [D]
60
60

32 DSN COVERAGE

1040 45 [D] 0235
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 11m 32s

CCSL: B123

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

1200 RTLT 20h 11m 30s

0000 RTLT 20h 11m 28s

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: MAY 09 | MAY 10

ISSUE DATE: 05/06/04 13:00

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 10, 2004
131-132

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: 25h 15m 8s

CCSL: A051

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

1200 RTLT 25h 15m 10s
1301 1343 TAPPOS
0000 RTLT 25h 15m 12s
2310 DUMMY (00:25)
U/L 0100 TLC (SHORT-FORM)

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

31 DSN COVERAGE

0800 25 [D] 1405
10
40
14 [DA] 0630
15 [DA] 0700
10
2245 - 0625 63 [T]
60
60

32 DSN COVERAGE

1115 43 [D] 2145
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 11m 28s

CCSL: B123

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

1200 RTLT 20h 11m 26s
0000 RTLT 20h 11m 24s

FDS MODE: CR-5T
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: MAY 10 | MAY 11

ISSUE DATE: 05/06/04 13:00

TUESDAY
MAY 11, 2004
132-133

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: 25h 15m 12s
CCSL: A051
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 25h 15m 14s
0000 RTLT 25h 15m 18s
0730 YAW=.05
PLAYBACK 0741 - 1017
1027 YAW=.10
TLC (SHORT-FORM)
D/L 0343
1301 TAPPOS 1424
1720 1721 PWS/RH
0741
1017
1720 GS-4B 1721

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

31 DSN COVERAGE

14 [DA] 1445
15 [DA] 0700 - 1030
10
40
2245 - 0645 65 [D]
60
60
10

32 DSN COVERAGE

1345 43 [B] 0010
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 11m 24s
CCSL: B123
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 20h 11m 22s
0000 RTLT 20h 11m 20s
1610 1611 PWS/RH
1657 DUMMY (13:09)
1610 GS-4B 1611

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

VGR COVERAGE	VGR	ON CALL	VGR	ON CALL

NOTES

[1] S/C 31=PB-14 @ 0741 XB=1.4K(39)
[2] S/C 31=GS-4B @ 1720 XB=2.8K(41) NOT RECOVERABLE
[3] S/C 32=GS-4B @ 1610 XB=2.8K(41) NOT RECOVERABLE
[4] S/C 31 DSS-15 15/14 ARRAY PRIME TO VGRTISB1

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 11 | MAY 12

ISSUE DATE: 05/06/04 13:00

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
MAY 12, 2004
133-134

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: 25h 15m 18s

CCSL: A051

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

1200 RTLT 25h 15m 20s

0000 RTLT 25h 15m 22s

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

31 DSN COVERAGE

25 [D] 0710 - 1355 (10)

40

25 [D] 0620 (10)

2215 - 0630 65 [D] (60)

60

32 DSN COVERAGE

1130 43 [D] 2325 (40)

S/C 32
INITIAL CONDITIONS

RTLT: 20h 11m 20s

CCSL: B123

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

1200 RTLT 20h 11m 18s

0000 RTLT 20h 11m 16s

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: MAY 12 | MAY 13

ISSUE DATE: 05/06/04 13:00

THURSDAY
MAY 13, 2004
134-135

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: 25h 15m 22s

CCSL: A051

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

1200 RTLT 25h 15m 24s

0000 RTLT 25h 15m 26s

1545 X/B LOW POWER
1549 BAY 1 HTR ON

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

25 [D] 1350 (10)

25 [D] 0620 (10)

1415 45 [D] 1710 (40)

60

2225 - 0640 65 [D] (60)

32 DSN COVERAGE

1755 45 [D] 0140 (40)

S/C 32
INITIAL CONDITIONS

RTLT: 20h 11m 16s

CCSL: B123

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

1200 RTLT 20h 11m 14s

0000 RTLT 20h 11m 12s

FDS MODE: CR-5T

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: MAY 13 | MAY 14

ISSUE DATE: 05/06/04 13:00

FRIDAY
MAY 14, 2004
135-136

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: 25h 15m 26s

CCSL: A051

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

1200 RTLT 25h 15m 30s

0000 RTLT 25h 15m 32s

2018 2031 TAPPOS

2320 2321 PWS/RH

0127 0154 TAPPOS

2320 GS-4B 2321

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

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

31 DSN COVERAGE

25 [D] 1345 (10)

(40)

26 [D] 0615 (10)

2245 - 0635 65 [D] (60) (60)

32 DSN COVERAGE

1020 45 [D] 1720 (40)

S/C 32
INITIAL CONDITIONS

RTLT: 20h 11m 12s

CCSL: B123

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

1200 RTLT 20h 11m 10s

0000 RTLT 20h 11m 8s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 2320 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 14 | MAY 15

ISSUE DATE: 05/06/04 13:00

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 15, 2004
136-137

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: 25h 15m 32s

CCSL: A051

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

1200 RTLT 25h 15m 34s

0000 RTLT 25h 15m 38s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

26 [D] 1345
10
40
0555 25 [D]
10
2210 - 0615 65 [D]
60
60

32 DSN COVERAGE

1255 43 [o] 1910
40
2320 45 [D] 0220

S/C 32
INITIAL CONDITIONS

RTLT: 20h 11m 8s

CCSL: B123

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

1200 RTLT 20h 11m 6s

0000 RTLT 20h 11m 4s

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: MAY 15 | MAY 16

ISSUE DATE: 05/06/04 13:00

SUNDAY
MAY 16, 2004
137-138

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: 25h 15m 38s

CCSL: A051

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

1200 RTLT 25h 15m 40s

0000 RTLT 25h 15m 42s

U/L 0100 TLC (SHORT-FORM)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

25 [D] 1340
10
10
40
2335 63 [T]
60
60

32 DSN COVERAGE

1015 45 [D] 2350
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 11m 4s

CCSL: B123

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

1200 RTLT 20h 11m 2s

0000 RTLT 20h 11m 2s

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: MAY 16 | MAY 17

ISSUE DATE: 05/06/04 13:00

MONDAY
MAY 17, 2004
138-139

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: 25h 15m 42s
CCSL: A051
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 25h 15m 46s

0000 RTLT 25h 15m 48s

TLC (SHORT-FORM) — D/L — 0343

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

26 [D] — 0715 - 1335 (10)

0525 — 25 [D] (10)

40

0735 63 [T] (60)

2220 — 65 [D] — 0545 (60)

32 DSN COVERAGE

1155 — 43 [H] — 2145

2125 — 45 [D] — 0005

40

S/C 32 INITIAL CONDITIONS

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

1200 RTLT 20h 11m 0s

0000 RTLT 20h 10m 58s

1848 DUMMY (15:01)

1856 CCSL B124 (15:08)

0956

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 17 | MAY 18

ISSUE DATE: 05/06/04 13:00

TUESDAY
MAY 18, 2004
139-140

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: 25h 15m 48s
CCSL: A051
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 25h 15m 52s
0000 RTLT 25h 15m 54s
1656 1657 PWS/RH
1656 GS-4B 1657

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

31 DSN COVERAGE

25 [D] 1330 (10)
(40)
0600 25 [D] (10)
2205 - 0615 65 [D] (60)

32 DSN COVERAGE

1005 45 [D] 0110 (40)

S/C 32 INITIAL CONDITIONS

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

1200 RTLT 20h 10m 56s
0000 RTLT 20h 10m 54s
1520 1537 CCS CHKSUM
1546 1547 PWS/RH
1546 GS-4B 1547

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 @ 1656 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 32=GS-4B @ 1546 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 18 | MAY 19

ISSUE DATE: 05/06/04 13:00

WEDNESDAY
MAY 19, 2004
140-141

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: 25h 15m 54s

CCSL: A051

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

1200 RTLT 25h 15m 58s

0000 RTLT 25h 16m 0s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

25 [D] 1330
10
40
0555 25 [D]
10
2220 - 0615 65 [D]
60

32 DSN COVERAGE

0930 43 [D] 2155
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 10m 54s

CCSL: B123

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

1200 RTLT 20h 10m 54s

0000 RTLT 20h 10m 52s

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: MAY 19 | MAY 20

ISSUE DATE: 05/06/04 13:00

THURSDAY
MAY 20, 2004
141-142

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: 25h 16m 0s

CCSL: A051

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

1200 RTLT 25h 16m 4s

0000 RTLT 25h 16m 8s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

25 [D] 1325
10
40
10
2220 65 [D] 0610
60

32 DSN COVERAGE

1735 45 [D] 0010
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 10m 52s

CCSL: B123

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

1200 RTLT 20h 10m 50s

0000 RTLT 20h 10m 50s

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: MAY 20 | MAY 21

ISSUE DATE: 05/06/04 13:00

FRIDAY
MAY 21, 2004
142-143

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: 25h 16m 8s

CCSL: A051

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

1200 RTLT 25h 16m 10s

0000 RTLT 25h 16m 14s

1954 – 2035 TAPPOS

2256 2257 PWS/RH

0104 – 0158 TAPPOS

2256 GS-4B 2257

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

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

31 DSN COVERAGE

25 [D] 0730 - 1320
10
40

0545 25 [D]
10

2215 55 [D] 0425
60

32 DSN COVERAGE

1040 34 [D] 1430
1410 45 [D] 2020
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 10m 50s

CCSL: B123

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

1200 RTLT 20h 10m 48s

0000 RTLT 20h 10m 46s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 2256 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 21 | MAY 22

ISSUE DATE: 05/06/04 13:00

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 22, 2004
143-144

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: 25h 16m 14s

CCSL: A051

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

1200 RTLT 25h 16m 18s

0000 RTLT 25h 16m 22s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

25 [D] 1315 (10, 40)

0545 25 [D] (10)

2205 65 [D] 0605 (60)

32 DSN COVERAGE

1015 45 [D] 2055 (40)

S/C 32
INITIAL CONDITIONS

RTLT: 20h 10m 46s

CCSL: B123

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

1200 RTLT 20h 10m 46s

0000 RTLT 20h 10m 44s

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: MAY 22 | MAY 23

ISSUE DATE: 05/06/04 13:00

SUNDAY
MAY 23, 2004
144-145

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: 25h 16m 22s

CCSL: A051

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

1200 RTLT 25h 16m 24s

0000 RTLT 25h 16m 28s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

25 [D] 1310 — 10

40

0525 25 [D] — 10

2235 63 [D] 0545 — 60

32 DSN COVERAGE

1315 45 [D] 0100 — 40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 10m 44s

CCSL: B123

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

1200 RTLT 20h 10m 44s

0000 RTLT 20h 10m 42s

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: MAY 23 | MAY 24

ISSUE DATE: 05/06/04 13:00

MONDAY
MAY 24, 2004
145-146

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: 25h 16m 28s

CCSL: A051

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

1200 RTLT 25h 16m 32s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

25 [D] 1225

10

40

32 DSN COVERAGE

S/C 32
INITIAL CONDITIONS

RTLT: 20h 10m 42s

CCSL: B123

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

1200 RTLT 20h 10m 42s

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: MAY 24 | MAY 25