VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: September 1, 2004 For the Period: 09/02/04 to 09/19/04 (04-246 - 04-263)

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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: 09/01/04 13:49

THURSDAY
SEPTEMBER 2, 2004
246-247

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 46m 0s

CCSL: A052

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

1200 RTLT 25h 46m 12s

0000 RTLT 25h 46m 22s

S/C 31 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -23.634 secs

ROLLREF = RIGIL
KENTAURUS

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

0005 - 0630 — 25 [D]

10

40

40

1900 — 63 [D] — 0025

60

32 DSN COVERAGE

1010 — 43 [D] — 1715

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 26m 28s

CCSL: B125

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

1200 RTLT 20h 26m 38s

0000 RTLT 20h 26m 48s

1813 — COMMAND MORATORIUM

S/C 32 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -3:32.034 min

ROLLREF = VEGA

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 02 | SEP 03

ISSUE DATE: 09/01/04 13:49

FRIDAY
SEPTEMBER 3, 2004
247-248

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 46m 22s

CCSL: A052

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

1200 RTLT 25h 46m 34s
0000 RTLT 25h 46m 46s
1409 TAPPOS 1614
1711 1712 PWS/RH
1919 TAPPOS 2110
1711 GS-4B 1712

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

31 DSN COVERAGE

10
40
2330 - 0620
25 [D]
10
40
1410
65 [D]
2310
60

32 DSN COVERAGE

1015
43 [D]
1925
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 26m 48s

CCSL: B125

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

1200 RTLT 20h 26m 58s
0000 RTLT 20h 27m 8s
COMMAND MORATORIUM
1400 1401 AACS MRO
1410 GYROS AC ON
1411 GYRO INIT

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

VGR COVERAGE	**ON CALL**	VGR	ON CALL

NOTES

[1] S/C 31=GS-4B @ 1711 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 03 | SEP 04

ISSUE DATE: 09/01/04 13:49

SATURDAY
SEPTEMBER 4, 2004
248-249

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 46m 46s

CCSL: A052

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

1200 RTLT 25h 46m 58s

0000 RTLT 25h 47m 10s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

1520 — 55 [D] — 2120

60

0045 - 0620 — 26 [D]

10

40

32 DSN COVERAGE

1135 — 43 [D] — 1925

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 27m 8s

CCSL: B125

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

1200 RTLT 20h 27m 18s

COMMAND MORATORIUM — 1743

0000 RTLT 20h 27m 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: SEP 04 | SEP 05

ISSUE DATE: 09/01/04 13:49

SUNDAY
SEPTEMBER 5, 2004
249-250

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 47m 10s

CCSL: A052

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

1200 RTLT 25h 47m 22s

0000 RTLT 25h 47m 34s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

0045 - 0615 — 25 [D]

10

40

1520 — 55 [D] — 2115

60

32 DSN COVERAGE

1015 — 43 [D] — 1920

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 27m 30s

CCSL: B125

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

1200 RTLT 20h 27m 40s

1411 GYRO INIT

0000 RTLT 20h 27m 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: SEP 05 | SEP 06

ISSUE DATE: 09/01/04 13:49

MONDAY
SEPTEMBER 6, 2004
250-251

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 47m 34s

CCSL: A052

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

1200 RTLT 25h 47m 46s

0000 RTLT 25h 47m 58s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

60

2135 — 24 [D] — 2325

10

0155 — 25 [D] — 0610

40

32 DSN COVERAGE

1145 — 43 [D] — 1440

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 27m 50s

CCSL: B125

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

1200 RTLT 20h 28m 0s

0000 RTLT 20h 28m 12s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

JPL HOLIDAY

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 06 | SEP 07

ISSUE DATE: 09/01/04 13:49

TUESDAY
SEPTEMBER 7, 2004
251-252

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 47m 58s
CCSL: A052
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 25h 48m 10s
0000 RTLT 25h 48m 22s
1048 1049 PWS/RH
1048 GS-4B 1049

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

31 DSN COVERAGE

10
40
2230 25 [D] 0610
10
40
1535 65 [D] 2215
60

32 DSN COVERAGE

1125 43 [D] 1845
40
43 [D] 0645
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 28m 12s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AC ON

1200 RTLT 20h 28m 22s
0000 RTLT 20h 28m 32s
0931 0932 PWS/RH
1056 COMMAND MORATORIUM
1412 GYRO INIT
TAPPOS 0510 - 0621
BAY 1 HTR OFF 0654
X/B HI POWER 0658
0931 GS-4B 0932

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

VGR COVERAGE	ON CALL VGR

NOTES

[1] S/C 31=GS-4B @ 1048 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 32=GS-4B @ 0931 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 07 | SEP 08

ISSUE DATE: 09/01/04 13:49

WEDNESDAY
SEPTEMBER 8, 2004
252-253

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 48m 22s
CCSL: A052
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 25h 48m 34s
0000 RTLT 25h 48m 46s
1914 GYROS BC ON
1915 GYRO INIT
1924 GYRO FAULT TEST
2000 DUMMY (21:49)
U/L 2100 — TLC (SHORT-FORM)

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

31 DSN COVERAGE

10
40
1525 — 55 [D] — 1730
1850 — 63 [T] — 0000
60
2350 — 25 [D] — 0605
10
40

32 DSN COVERAGE

43 [D] — 1525
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 28m 32s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: AC ON

1200 RTLT 20h 28m 44s
0000 RTLT 20h 28m 54s
0754 YAW=.05
COMMAND MORATORIUM
0803 — PLAYBACK — 1438
1453 YAW=.10
TAPPOS 0626

0803
1438

FDS MODE	CR-5T	PB-14	CR-5T
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 @ 0803 XB=1.4K(39)

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 08 | SEP 09

ISSUE DATE: 09/01/04 13:49

THURSDAY
SEPTEMBER 9, 2004
253-254

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 48m 46s

CCSL: A052

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

1200 RTLT 25h 48m 58s

0000 RTLT 25h 49m 10s

TLC (SHORT-FORM)

D/L 0016

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

2215 25 [D] 2355

2330 - 0645 15 [D]

10

40

1650 65 [D] 2245

60

32 DSN COVERAGE

1010 43 [o] 1810

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 28m 54s

CCSL: B125

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

1200 RTLT 20h 29m 4s

0000 RTLT 20h 29m 16s

1113 COMMAND MORATORIUM

1029 COMMAND MORATORIUM

TAPPOS 0837

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 09 | SEP 10

ISSUE DATE: 09/01/04 13:49

FRIDAY
SEPTEMBER 10, 2004
254-255

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 49m 10s

CCSL: A052

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

1200 RTLT 25h 49m 22s
1346 TAPPOS 1524
1649 1650 PWS/RH
1856 TAPPOS 2020
0000 RTLT 25h 49m 34s
1649 GS-4B 1650

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

31 DSN COVERAGE

2120 - 0645
15 [D]
10
10
40
40
1305
65 [D]
2055
60

32 DSN COVERAGE

43 [B]
0715 - 1810
40
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 29m 16s

CCSL: B125

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

1200 RTLT 20h 29m 26s
1043 COMMAND MORATORIUM
0712 GYROS BC ON
0713 GYRO INIT
0722 GYRO FAULT TEST
0811 0818 CCSTIM(B)
1552 DUMMY (14:22)
0000 RTLT 20h 29m 36s

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

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

NOTES

[1] S/C 31=GS-4B @ 1649 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 10 | SEP 11

ISSUE DATE: 09/01/04 13:49

SATURDAY
SEPTEMBER 11, 2004
255-256

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 49m 34s

CCSL: A052

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

1200 RTLT 25h 49m 46s

0000 RTLT 25h 49m 58s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

2245 — 26 [D] — 0550

10

40

1520 — 55 [D] — 2050

60

32 DSN COVERAGE

1145 — 43 [D] — 1835

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 29m 36s

CCSL: B125

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

1200 RTLT 20h 29m 48s

0000 RTLT 20h 29m 58s

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 11 | SEP 12

ISSUE DATE: 09/01/04 13:49

SUNDAY
SEPTEMBER 12, 2004
256-257

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 49m 58s

CCSL: A052

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

1200 RTLT 25h 50m 8s

0000 RTLT 25h 50m 20s

2015 GYRO INIT

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

2215 - 0635

15 [D]

10

40

1545

65 [D]

2235

60

32 DSN COVERAGE

0955

43 [D]

1620

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 29m 58s

CCSL: B125

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

1200 RTLT 20h 30m 10s

0000 RTLT 20h 30m 20s

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 12 | SEP 13

ISSUE DATE: 09/01/04 13:49

MONDAY
SEPTEMBER 13, 2004
257-258

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 50m 20s

CCSL: A052

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

1200 RTLT 25h 50m 32s

0000 RTLT 25h 50m 44s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

0025 — 25 [D] — 0545

10

40

1530 — 55 [D] — 2045

60

32 DSN COVERAGE

0900 — 43 [o] — 1700

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 30m 20s

CCSL: B125

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

1200 RTLT 20h 30m 32s

0000 RTLT 20h 30m 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: SEP 13 | SEP 14

ISSUE DATE: 09/01/04 13:49

TUESDAY
SEPTEMBER 14, 2004
258-259

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 50m 44s
CCSL: A052
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 25h 50m 56s
- 0000 RTLT 25h 51m 8s
- 2200 BAY 1 HTR OFF
- 2204 X/B HI POWER
- 0217 PLSCAL 0359
- 0217 MAGCAL 0519
- 0217 PESCAL 0537
- PWS/RH 0650 - 0651
- 0210
- 0650 GS-4B 0651

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

31 DSN COVERAGE

- 2230 - 0625 — 15 [D]
- 10
- 40
- 40
- 1655 — 65 [D] — 2230
- 60

32 DSN COVERAGE

- 0750 — 43 [D] — 1830
- 40
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 30m 42s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 20h 30m 54s
- 0000 RTLT 20h 31m 4s
- 0829 ALL DB=.05
- 0845 AAI
- 0846 0923 ASCAL
- 0920 RAI
- 0923 CRU
- 0931 YAW=.10
- 0931 ROLL=.25
- 0933 GYRO FAULT TEST
- PWS/RH 0532 0533
- 0814
- 0926
- 0532 GS-4B 0533

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

VGR COVERAGE		VGR	ON CALL	VGR	ON CALL

NOTES

[1] S/C 31=GS-4B @ 0650 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 32=EL-40 @ 0813 XB=40(30)
[3] S/C 32 - D/L /SNR VARIATIONS EXPECTED DURING ASCAL (0846-0923)
[4] S/C 32=GS-4B @ 0532 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 14 | SEP 15

ISSUE DATE: 09/01/04 13:49

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 15, 2004
259-260

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 51m 8s
CCSL: A052
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 25h 51m 20s
- 0000 RTLT 25h 51m 32s
- 1641 AAI
- 1644 – MAGROL – 2239
- 1900 DUMMY (20:52)
- U/L 2140 – TLC (SHORT-FORM)
- 2232 RAI
- 2239 GYROS OFF
- 2239 CRU
- 2300 X/B LOW POWER
- 2304 BAY 1 HTR ON

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

31 DSN COVERAGE

- 1950 - 0620 – 15 [D]
  - 10
  - 40
  - 40
- 1615 – 63 [T] – 2330
  - 60

32 DSN COVERAGE

- 1005 – 43 [D] – 1440
  - 40
  - 40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 31m 4s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 20h 31m 16s
- 0000 RTLT 20h 31m 26s

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 (1644-2239)

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 15 | SEP 16

ISSUE DATE: 09/01/04 13:49

THURSDAY
SEPTEMBER 16, 2004
260-261

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 51m 32s

CCSL: A052

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

1200 RTLT 25h 51m 44s

0000 RTLT 25h 51m 56s

TLC (SHORT-FORM)

D/L 0029

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2330 - 0615 15 [D]

10

40

40

1435 55 [D] 2040

60

32 DSN COVERAGE

1025 43 [B] 1840

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 31m 26s

CCSL: B125

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

1200 RTLT 20h 31m 38s

0000 RTLT 20h 31m 48s

1820 COMMAND MORATORIUM

1647 DUMMY (5 MIN BRACKETED 13:19)

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: SEP 16 | SEP 17

ISSUE DATE: 09/01/04 13:49

FRIDAY
SEPTEMBER 17, 2004
261-262

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 51m 56s
CCSL: A052
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 25h 52m 6s
0000 RTLT 25h 52m 18s

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

31 DSN COVERAGE

2100 - 0615 — 15 [D]
10
40
40
1430 — 55 [D] — 2030
60

32 DSN COVERAGE

0750 — 43 [D] — 1830
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 31m 48s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 20h 32m 0s
0000 RTLT 20h 32m 12s
COMMAND MORATORIUM
0824 AAI
0827 — MAGROL — 1422
1415 RAI
1422 GYROS OFF
1422 CRU
1433 ‖ 1434 AACS MRO GSAVE DATA

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

VGR COVERAGE: VGR | ON CALL

NOTES

[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0827-1422)

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 17 | SEP 18

ISSUE DATE: 09/01/04 13:49

SATURDAY
SEPTEMBER 18, 2004
262-263

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 52m 18s

CCSL: A052

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

1200 RTLT 25h 52m 30s

0000 RTLT 25h 52m 42s

0948 – 1058 TAPPOS

1250 – 1251 PWS/RH

1458 – 1554 TAPPOS

1250 GS-4B 1251

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

31 DSN COVERAGE

2100 – 25 [D] – 0520

10

40

40

1425 – 55 [D] – 2025

60

32 DSN COVERAGE

1005 – 43 [D] – 1835

40

40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 32m 12s

CCSL: B125

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

1200 RTLT 20h 32m 22s

0000 RTLT 20h 32m 34s

COMMAND MORATORIUM – 1750

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

VGR COVERAGE	ON CALL

NOTES

[1] S/C 31=GS-4B @ 1250 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 18 | SEP 19

ISSUE DATE: 09/01/04 13:49

SUNDAY
SEPTEMBER 19, 2004
263-264

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 52m 42s

CCSL: A052

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

1200 RTLT 25h 52m 54s

0000 RTLT 25h 53m 6s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2310 — 26 [D] — 0515
10
40
40
1800 — 65 [D] — 2210
60

32 DSN COVERAGE

0750 — 43 [D] — 1615
40
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 32m 34s

CCSL: B125

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

1200 RTLT 20h 32m 44s

0000 RTLT 20h 32m 56s

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 19 | SEP 20

ISSUE DATE: 09/01/04 13:49

MONDAY
SEPTEMBER 20, 2004
264-265

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 53m 6s

CCSL: A052

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

1200 RTLT 25h 53m 18s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

40

1600 — 55 [D] — 2020
60

32 DSN COVERAGE

0805 — 43 — 1645
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 32m 56s

CCSL: B125

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

1200 RTLT 20h 33m 8s

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 20 | SEP 21