VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: October 20, 2004

For the Period: 10/21/04 to 11/07/04 (04-295 - 04-312)

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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
(20 – Dist/N: Paper Copies)
09/08/04

ISSUE DATE: 10/26/04 17:02

THURSDAY
OCTOBER 21, 2004
295-296

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: 26h 4m 20s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 26h 4m 30s

0000 RTLT 26h 4m 40s

TLC (SHORT-FORM) — D/L — 2232

S/C 31 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -23.896 secs

ROLLREF = RIGIL KENTAURUS

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1910 — 24 [D] — 2350
40
2330 — 15 [D] — 0350
10
40
1650 — 65 [D] — 1930
1405 — 55 [D] — 1710
60

32 DSN COVERAGE

43 [D] — 0725 - 1205
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 44m 58s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 20h 45m 8s

0000 RTLT 20h 45m 20s

1755 — COMMAND MORATORIUM

S/C 32 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -3:38.223 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: OCT 21 | OCT 22

ISSUE DATE: 10/26/04 17:02

FRIDAY
OCTOBER 22, 2004
296-297

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: 26h 4m 40s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 26h 4m 50s
0000 RTLT 26h 5m 0s

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

31 DSN COVERAGE

1845 — 15 [D] — 0345
10
40
40
1710 — 65 [D] — 1905
1300 — 55 [D] — 1730
60

32 DSN COVERAGE

1020 — 43 [D] — 1615
40
0030 — 34 [D] — 0545
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 45m 20s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 20h 45m 32s
0000 RTLT 20h 45m 44s
COMMAND MORATORIUM
1410 GYROS BC ON
1411 GYRO INIT
1420 GYRO FAULT TEST

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: OCT 22 | OCT 23

ISSUE DATE: 10/26/04 17:02

SATURDAY
OCTOBER 23, 2004
297-298

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: 26h 5m 0s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 26h 5m 8s
0000 RTLT 26h 5m 18s
0754 – 0903 TAPPOS
1057 1058 PWS/RH
1304 TAPPOS 1426
1057 GS-4B 1058

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

31 DSN COVERAGE

1840 – 25 [D] – 0240
10
40
40
1115 – 65 [D] – 1900
60

32 DSN COVERAGE

0900 – 34 [o] – 1435
40
0030 – 34 [D] – 0245
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 45m 44s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 20h 45m 56s
0000 RTLT 20h 46m 6s
COMMAND MORATORIUM – 1725

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1057 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 23 | OCT 24

ISSUE DATE: 10/26/04 17:02

SUNDAY
OCTOBER 24, 2004
298-299

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: 26h 5m 18s

CCSL: A053

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

1200 RTLT 26h 5m 28s

0000 RTLT 26h 5m 38s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1830 — 25 [D] — 0240

0220 — 15 [D] — 0335

40 10 40

1655 — 63 [D] — 1850

60

32 DSN COVERAGE

0945 — 43 [o] — 1605

40 40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 46m 6s

CCSL: B125

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

1200 RTLT 20h 46m 18s

0000 RTLT 20h 46m 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 24 | OCT 25

ISSUE DATE: 10/26/04 17:02

MONDAY
OCTOBER 25, 2004
299-300

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: 26h 5m 38s

CCSL: A053

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

1200 RTLT 26h 5m 46s

0000 RTLT 26h 5m 56s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1830 — 15 [D] — 0335
10
40
40
1300 — 63 [D] — 1800
60

32 DSN COVERAGE

43 [B] — 0740 - 1610
40
40
43 [D] 0630

S/C 32
INITIAL CONDITIONS

RTLT: 20h 46m 30s

CCSL: B125

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

1200 RTLT 20h 46m 42s

0000 RTLT 20h 46m 52s

1437 DUMMY (5 MIN BRACKETED 11:24)

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: OCT 25 | OCT 26

ISSUE DATE: 10/26/04 17:02

TUESDAY
OCTOBER 26, 2004
300-301

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: 26h 5m 56s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 26h 6m 6s
0000 RTLT 26h 6m 14s
0433 | 0434 PWS/RH
0433 GS-4B 0434

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

31 DSN COVERAGE

2150 — 15 [D] — 0330
10
40
40
1645 — 63 [D] — 2055
60

32 DSN COVERAGE

43 [D] — 1440
40
0015 - 0635 — 34 [D]
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 46m 52s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 20h 47m 4s
1511 GYRO INIT
0000 RTLT 20h 47m 16s
0316 | 0317 PWS/RH
0316 GS-4B 0317

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

VGR COVERAGE	ON CALL

NOTES

[1] S/C 31=GS-4B @ 0433 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 32=GS-4B @ 0316 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 26 | OCT 27

ISSUE DATE: 10/26/04 17:02

WEDNESDAY
OCTOBER 27, 2004
301-302

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: 26h 6m 14s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 26h 6m 24s
- 0000 RTLT 26h 6m 34s
- 1745 DUMMY (19:52)
- 1826 – 1937 TAPPOS
- U/L 1845 – TLC (SHORT-FORM)
- 2010 BAY 1 HTR OFF
- 2014 X/B HI POWER
- 2110 YAW=.05
- 2119 – PLAYBACK – 0354
- 0409 YAW=.10
- 2119
- 0354

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

31 DSN COVERAGE

- *2025 – 25 [D] – 2135*
- 40
- 10
- 40
- 1645 – 63 [T] – 2045
- 60

32 DSN COVERAGE

- 43 [D] – 0720 - 1530
- 40
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 47m 16s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 20h 47m 28s
- 0000 RTLT 20h 47m 38s
- 1752 – COMMAND MORATORIUM

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

VGR COVERAGE	ON CALL	VGR	ON CALL	VGR	ON CALL

NOTES

[1] S/C 31=PB-14 @ 2119 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:	OCT 27	OCT 28

ISSUE DATE: 10/26/04 17:02

THURSDAY
OCTOBER 28, 2004
302-303

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: 26h 6m 34s

CCSL: A053

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

1200 RTLT 26h 6m 42s

0000 RTLT 26h 6m 52s

1942 TAPPOS 2158

TLC (SHORT-FORM) D/L 2219

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2040 26 [D] 0220
10
40
40
1630 63 [D] 2045
1245 54 [D] 1700
60

32 DSN COVERAGE

43 [D] 0720 - 1550
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 47m 38s

CCSL: B125

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

1200 RTLT 20h 47m 50s

0000 RTLT 20h 48m 2s

COMMAND MORATORIUM

0811 AAI

0814 MAGROL 1409

1402 RAI

1409 CRU

1409 GYROS OFF

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 (0814-1409)

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 28 | OCT 29

ISSUE DATE: 10/26/04 17:02

FRIDAY
OCTOBER 29, 2004
303-304

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: 26h 6m 52s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 26h 7m 0s
- 0000 RTLT 26h 7m 10s
- 2028 GYROS BC ON
- 2029 GYRO INIT
- 2038 GYRO FAULT TEST
- 2132 – 2138 CCSTIM(B)

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

31 DSN COVERAGE

- 2020 – 26 [D] – 0220
- 10
- 40
- 40
- 60

32 DSN COVERAGE

- 43 [D] – 0720 - 1555
- 40
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 48m 2s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 20h 48m 12s
- 0000 RTLT 20h 48m 24s
- COMMAND MORATORIUM – 1721

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: OCT 29 | OCT 30

ISSUE DATE: 10/26/04 17:02

SATURDAY
OCTOBER 30, 2004
304-305

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: 26h 7m 10s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 26h 7m 18s
0000 RTLT 26h 7m 28s
0731 - 0800 TAPPOS
1034 1035 PWS/RH
1241 1255 TAPPOS
1034 GS-4B 1035

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

31 DSN COVERAGE

1730 — 15 [D] — 0315
10
40
40
60

32 DSN COVERAGE

43 [o] — 0735 - 1550
40
43 [D] 0630
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 48m 24s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 20h 48m 36s
0000 RTLT 20h 48m 46s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1034 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 30 | OCT 31

ISSUE DATE: 10/26/04 17:02

SUNDAY
OCTOBER 31, 2004
305-306

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

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

S/C 31
INITIAL CONDITIONS

RTLT: 26h 7m 28s

CCSL: A053

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

1200 RTLT 26h 7m 36s

0000 RTLT 26h 7m 46s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1830 — 15 [D] — 0310
10
40
40
1010 — 65 [D] — 1850
60

32 DSN COVERAGE

43 [D] — 0900
40
1240 — 43 [D] — 1530
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 48m 46s

CCSL: B125

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

1200 RTLT 20h 48m 58s

0000 RTLT 20h 49m 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

UTC: OCT 31 | NOV 01

ISSUE DATE: 10/26/04 17:02

MONDAY
NOVEMBER 1, 2004
306-307

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

UTC: 6 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: 26h 7m 46s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 26h 7m 54s
- 0000 RTLT 26h 8m 2s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

- 2110 — 26 [D] — 0205
- 10
- 40
- 40
- 1440 — 65 [D] — 1905
- 60

32 DSN COVERAGE

- 0730 — 43 [B] — 1535
- 40
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 49m 8s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 20h 49m 20s
- 0000 RTLT 20h 49m 32s
- ▼ 1427 dummy (5 MIN BRACKETED 11:17)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

UTC: 6 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: NOV 01 | NOV 02

ISSUE DATE: 10/26/04 17:02

TUESDAY
NOVEMBER 2, 2004
307-308

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

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: 26h 8m 2s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 26h 8m 12s
0000 RTLT 26h 8m 20s
2145 ALL DB=.05
2201 AAI
2202 2239 ASCAL
2236 RAI
2239 CRU
2247 YAW=.10
2247 ROLL=.25
2249 GYRO FAULT TEST
0410 0411 PWS/RH
2130 2242
0410 GS-4B 0411

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

31 DSN COVERAGE

1800 — 15 [D] — 0300
10
40
40
1330 — 65 [D] — 1820
60

32 DSN COVERAGE

0930 — 34 [D] — 1400
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 49m 32s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 20h 49m 42s
0000 RTLT 20h 49m 54s
0254 0255 PWS/RH
0254 GS-4B 0254

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 - D/L /SNR VARIATIONS EXPECTED DURING ASCAL (2201-2239)
[2] S/C 31=EL-40 @ 2129 XB=40(30)
[3] S/C 31=GS-4B @ 0410 XB=2.8K(41) NOT RECOVERABLE
[4] S/C 32=GS-4B @ 0254 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: NOV 02 | NOV 03

ISSUE DATE: 10/26/04 17:02

WEDNESDAY
NOVEMBER 3, 2004
308-309

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

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: 26h 8m 20s

CCSL: A053

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

1200 RTLT 26h 8m 28s

0000 RTLT 26h 8m 36s

1700 DUMMY (19:09)

U/L 1800 TLC (SHORT-FORM)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1800 15 [D] 0300
10
40
40
1625 63 [T] 2020
1400 54 [D] 1645
60

32 DSN COVERAGE

43 [D] 0715 - 1505
40
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 49m 54s

CCSL: B125

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

1200 RTLT 20h 50m 4s

0000 RTLT 20h 50m 16s

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: NOV 03 | NOV 04

ISSUE DATE: 10/26/04 17:02

THURSDAY
NOVEMBER 4, 2004
309-310

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

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: 26h 8m 36s

CCSL: A053

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

1200 RTLT 26h 8m 46s

0000 RTLT 26h 8m 54s

TLC (SHORT-FORM) D/L 2136

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1830 25 [D] 0155
10
40
40
1620 65 [D] 1850
60

32 DSN COVERAGE

43 [D] 0715 - 1530
40
40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 50m 16s

CCSL: B125

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

1200 RTLT 20h 50m 26s

0000 RTLT 20h 50m 38s

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: NOV 04 | NOV 05

ISSUE DATE: 10/26/04 17:02

FRIDAY
NOVEMBER 5, 2004
310-311

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

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: 26h 8m 54s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 26h 9m 2s
0000 RTLT 26h 9m 10s
0331 RAI
0338 GYROS OFF
0338 CRU
2139 AAI
2142 MAGROL 0338

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

31 DSN COVERAGE

1930 24 [AD] 2345
2030 15 [AD] 2345
40
10
2325 43 [D] 0400
1615 65 [D] 1850
40
60

32 DSN COVERAGE

0930 43 [D] 1525
40
0445 43 [D]
40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 50m 38s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 20h 50m 48s
0000 RTLT 20h 51m 0s

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 (2142-0337)

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: NOV 05 | NOV 06

ISSUE DATE: 10/26/04 17:02

SATURDAY
NOVEMBER 6, 2004
311-312

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

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: 26h 9m 10s
CCSL: A053
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 26h 9m 18s
- 0000 RTLT 26h 9m 26s
- 0708 - 0709 TAPPOS
- 1011 1012 PWS/RH
- 1218 1231 TAPPOS
- 1011 GS-4B 1012

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

31 DSN COVERAGE

- 1750 — 15 [D] — 0245
  - 10
  - 40
- 1620 — 63 [D] — 1800
- 40 — 0940 — 65 [D] — 1640
  - 60

32 DSN COVERAGE

- 43 [D] — 1515
  - 40
  - 40

S/C 32 INITIAL CONDITIONS

RTLT: 20h 51m 0s
CCSL: B125
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 20h 51m 10s
- 0000 RTLT 20h 51m 22s

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: NOV 06 | NOV 07

ISSUE DATE: 10/26/04 17:02

SUNDAY
NOVEMBER 7, 2004
312-313

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

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: 26h 9m 26s

CCSL: A053

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

1200 RTLT 26h 9m 34s

0000 RTLT 26h 9m 44s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1945 — 15 [D] — 0240

10

40

40

1605 — 63 [D] — 2005

60

32 DSN COVERAGE

1130 — 43 [D] — 1505

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 51m 22s

CCSL: B125

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

1200 RTLT 20h 51m 32s

0000 RTLT 20h 51m 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: NOV 07 | NOV 08

ISSUE DATE: 10/26/04 17:02

MONDAY
NOVEMBER 8, 2004
313-314

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

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: 26h 9m 44s

CCSL: A053

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

1200 RTLT 26h 9m 52s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

40

1245 — 54 [D] — 1615

60

32 DSN COVERAGE

43 — 0725 - 1505

40

S/C 32
INITIAL CONDITIONS

RTLT: 20h 51m 44s

CCSL: B125

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

1200 RTLT 20h 51m 54s

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: NOV 08 | NOV 09