VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: September 2, 2009 For the Period: 09/03/09 to 09/21/09 (09-246 – 09-264)

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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
A = Arrayed station
B = 7-Point 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
(17 – Dist/N: Paper Copies)
04/02/09

ISSUE DATE: 09/08/09 22:11

THURSDAY
SEPTEMBER 3, 2009
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: 30h 44m 32s

CCSL: A072

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

1200 RTLT 30h 44m 44s

0000 RTLT 30h 44m 54s

TLC (SHORT-FORM)

D/L 0227

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0735 14 [D]
10
40
60
2330 15 [D] 0320
0300 14 [D]
10
40
2000 55 [DAR] 2235
2000 65 [DA] 2235

32 DSN COVERAGE

45 [D] 1155
40
1505 45 [D] 1645
0450 45 [D]
40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 48m 12s

CCSL: B145

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

1200 RTLT 24h 48m 22s

0000 RTLT 24h 48m 32s

1542 COMMAND MORATORIUM

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 03 | SEP 04

ISSUE DATE: 09/08/09 22:11

FRIDAY
SEPTEMBER 4, 2009
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: 30h 44m 54s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 45m 6s
0000 RTLT 30h 45m 18s
1214 TAPPOS 1352
1517 1518 PWS/RH
1724 TAPPOS 1848
1517 GS-4B 1518

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

31 DSN COVERAGE

0735 14 [D] (10)
1010 43 [D] 1245 (40)
1705 63 [D] 0030 (60)
0010 15 [D] 0335
0315 - 0650 *14 [D]* (10) (40)

32 DSN COVERAGE

45 [D] 1750 (40)
(40)

S/C 32 INITIAL CONDITIONS

RTLT: 24h 48m 32s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 24h 48m 42s
0000 RTLT 24h 48m 52s
COMMAND MORATORIUM
1559 GYROS AC ON
1601 GYRO INIT
1610 GYRO FAULT TEST

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

[1] S/C 31=GS-4B @ 1517 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 04 | SEP 05

ISSUE DATE: 09/08/09 22:11

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
SEPTEMBER 5, 2009
248-249

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: 30h 45m 18s

CCSL: A072

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

1200 RTLT 30h 45m 30s

0000 RTLT 30h 45m 42s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0300 25 [DA]
0300 26 [DAR]
10
10
40
40
1640 63 [D] 2350
60

32 DSN COVERAGE

0815 43 [o] 1730
1745 45 [D] 1900
40
40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 48m 52s

CCSL: B145

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

1200 RTLT 24h 49m 2s

0000 RTLT 24h 49m 12s

COMMAND MORATORIUM 1511

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: 09/08/09 22:11

SUNDAY
SEPTEMBER 6, 2009
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: 30h 45m 42s

CCSL: A072

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

1200 RTLT 30h 45m 54s

0000 RTLT 30h 46m 6s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0735 25 [DA]
0735 26 [DAR]
10
40
0000 15 [D] 0605
10
45 [D] 0700
40
1910 63 [D] 0020
60

32 DSN COVERAGE

0800 45 [D] 1615
40
40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 49m 12s

CCSL: B145

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

1200 RTLT 24h 49m 22s

0000 RTLT 24h 49m 32s

1601 GYRO INIT

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 06 | SEP 07

ISSUE DATE: 09/08/09 22:11

MONDAY
SEPTEMBER 7, 2009
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: 30h 46m 6s

CCSL: A072

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

1200 RTLT 30h 46m 18s

0000 RTLT 30h 46m 30s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

45 [D] 0700 - 1025
40

1340 63 [D] 2200
60

0145 14 [D]
10

40

32 DSN COVERAGE

0800 43 [o] 1845
40

40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 49m 32s

CCSL: B145

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

1200 RTLT 24h 49m 44s

0000 RTLT 24h 49m 54s

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 07 | SEP 08

ISSUE DATE: 09/08/09 22:11

TUESDAY
SEPTEMBER 8, 2009
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: 30h 46m 30s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 46m 42s
0000 RTLT 30h 46m 54s
0853 | 0854 PWS/RH
0853 GS-4B 0854

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

31 DSN COVERAGE

0740 14 [D] (10, 40)
0135 15 [D] 0250
0230 - 0650 14 [D] (10)
43 [D] 0630 (40)
1855 63 [D] 2350 (60)

32 DSN COVERAGE

0855 45 [D] 1715 (40)
(40)

S/C 32 INITIAL CONDITIONS

RTLT: 24h 49m 54s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AC ON

1200 RTLT 24h 50m 4s
0000 RTLT 24h 50m 14s
1602 GYRO INIT

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

VGR COVERAGE: ON CALL

NOTES
[1] S/C 31=GS-4B @ 0853 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 08 | SEP 09

ISSUE DATE: 09/08/09 22:11

WEDNESDAY
SEPTEMBER 9, 2009
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: 30h 46m 54s

CCSL: A072

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

1200 RTLT 30h 47m 6s

0000 RTLT 30h 47m 18s

2129 GYROS AB ON
2130 GYRO INIT
2139 GYRO FAULT TEST

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0055 — 15 [D] — 0445
10

10
43 [D] — 1245
40

45 [D] 0700
40

1430 — 63 [D] — 2145
60

32 DSN COVERAGE

0800 — 34 [o] — 1405
1345 — 43 [B] — 2000
40

40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 50m 14s

CCSL: B145

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

1200 RTLT 24h 50m 24s

0000 RTLT 24h 50m 36s

1432 DUMMY (5 MIN BRACKETED 15:23)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL | VGR | 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 09 | SEP 10

ISSUE DATE: 09/08/09 22:11

THURSDAY
SEPTEMBER 10, 2009
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: 30h 47m 18s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AB ON

- 1200 RTLT 30h 47m 30s
- 0000 RTLT 30h 47m 42s
- 2130 DUMMY (04:18)
- U/L 2245 — TLC (SHORT-FORM)

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

31 DSN COVERAGE

- 10
- 45 [D] — 0700 - 1015 (40)
- 1805 — 63 [T] — 2345 (60)
- 2330 — 15 [DA] (10)
- 0530 — 25 [DAR] (40)

32 DSN COVERAGE

- 0800 — 43 [o] — 1410 (40)
- 1350 — 45 [D] — 1625
- 0215 — 43 [o] (40)

S/C 32 INITIAL CONDITIONS

RTLT: 24h 50m 36s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AC ON

- 1200 RTLT 24h 50m 46s
- 0000 RTLT 24h 50m 56s
- 1602 GYRO INIT

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 10 | SEP 11

ISSUE DATE: 09/08/09 22:11

FRIDAY
SEPTEMBER 11, 2009
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: 30h 47m 42s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AB ON

1200 RTLT 30h 47m 52s
0000 RTLT 30h 48m 4s
TLC (SHORT-FORM)
D/L
1152 1301 TAPPOS
1454 1455 PWS/RH
1701 1757 TAPPOS
1454 GS-4B 1455

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

31 DSN COVERAGE

0725 15 [DA]
0725 25 [DAR]
10
45 [D]
0705 - 1010
40
1745 63 [D] 2345
60
0115 14 [D] 0315
0255 15 [DA]
0520 26 [DAR]
10
40

32 DSN COVERAGE

43 [o] 1410
40
0510 43 [o]
40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 50m 56s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AC ON

1200 RTLT 24h 51m 6s
0000 RTLT 24h 51m 18s
0803 GYRO SWAP BC ON
0804 GYRO INIT
0813 GYRO FAULT TEST
0903 0910 CCSTIM(B)

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

VGR COVERAGE: VGR | ON CALL

NOTES

[1] S/C 31=GS-4B @ 1454 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 11 | SEP 12

ISSUE DATE: 09/08/09 22:11

SATURDAY
SEPTEMBER 12, 2009
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: 30h 48m 4s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AB ON

- 1200 RTLT 30h 48m 16s
- 0000 RTLT 30h 48m 28s
- 0701 D/L
- 2130 GYRO INIT

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

31 DSN COVERAGE

- 0730 15 [DA]
- 0730 26 [DAR]
- 10
- 40
- 1340 — 63 [D] — 2005
- 60
- 2030 — 55 [DAR] — 2235
- 2030 — 65 [DA] — 2235
- 2230 — 15 [D] — 0300
- 0240 - 0645 — 14 [D]
- 10
- 43 [D] 0625
- 40

32 DSN COVERAGE

- 0720 43 [o]
- 1025 — 45 [D] — 1610
- 40
- 0155 — 43 [D] — 0540
- 0520 — 45 [D]
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 51m 18s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 24h 51m 28s
- 0000 RTLT 24h 51m 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: SEP 12 | SEP 13

ISSUE DATE: 09/08/09 22:11

SUNDAY
SEPTEMBER 13, 2009
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: 30h 48m 28s

CCSL: A072

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

1200 RTLT 30h 48m 40s

0000 RTLT 30h 48m 52s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10
43 [D] 0805
40

2120 15 [D] 0535
0510 25 [DA]
0510 26 [DAR]
10
40

1740 63 [D] 2140
60

32 DSN COVERAGE

45 [D] 0800
40

1130 43 [o] 1525

0545 45 [D]
40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 51m 38s

CCSL: B145

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

1200 RTLT 24h 51m 50s

0000 RTLT 24h 52m 0s

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: 09/08/09 22:11

MONDAY
SEPTEMBER 14, 2009
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: 30h 48m 52s

CCSL: A072

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

1200 RTLT 30h 49m 4s

0000 RTLT 30h 49m 16s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0720 25 [DA]
0720 26 [DAR]
10
40
1830 63 [D] 2340
60
0200 15 [D]
0510 25 [D]
10
40

32 DSN COVERAGE

45 [D] 1600
40
43 [D] 0630
40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 52m 0s

CCSL: B145

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

0757
1200 RTLT 24h 52m 10s
COMMAND MORATORIUM
0000 RTLT 24h 52m 22s

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 14 | SEP 15

ISSUE DATE: 09/08/09 22:11

TUESDAY
SEPTEMBER 15, 2009
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: 30h 49m 16s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AB ON

1200 RTLT 30h 49m 28s
0000 RTLT 30h 49m 40s
2130 GYRO INIT
0046 MAGCAL 0349
0046 PESCAL 0406
0455 0456 PWS/RH
0455 GS-4B 0455

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

31 DSN COVERAGE

0715 15 [D]
0715 25 [D]
10 40
2315 15 [DA]
10
0510 25 [DAR]
45 [D] 0615
40
1750 63 [D] 2340
60

32 DSN COVERAGE

43 [D] 1400
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 52m 22s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 24h 52m 32s
COMMAND MORATORIUM
0000 RTLT 24h 52m 44s
0820 BAY 1 HTR OFF
0824 X/B HI POWER
0920 ALL DB=.05
AAI 0936
ASCAL 0937 1014
RAI 1011
CRU 1014
1217 1225 3 CCSA FULL MRO'S
YAW=.10 1022
ROLL=.25 1022
1024 GYRO FAULT TEST
0905 1017 1157 EH-12 1227

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

NOTES

[1] S/C 31=GS-4B @ 0455 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 32=D/L /SNR VARIATIONS EXPECTED DURING ASCAL (0936-1013)
[3] S/C 32=EL-40 @ 0905 XB=40(30)
[4] S/C 32=CR-5T @ 1017 XB=160(32)
[5] S/C 32=EH-12 @ 1157 XB=1.2K(39)
[6] S/C 32=CR-5T @ 1227 XB=160(32)

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: 09/08/09 22:11

WEDNESDAY
SEPTEMBER 16, 2009
259-260

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: 30h 49m 40s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AB ON

- 1200 RTLT 30h 49m 52s
- 0000 RTLT 30h 50m 2s
- U/L 1930 – TLC (LONG-FORM)
- BAY 1 HTR OFF 2110
- X/B HI POWER 2114
- DUMMY (04:20) 2130
- AAI 2140
- 2143 – MAGROL – 0339
- 0332 RAI
- 0339 GYROS OFF
- 0339 CRU
- X/B LOW POWER 0359
- BAY 1 HTR ON 0403

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

31 DSN COVERAGE

- 0715 15 [DA]
- 0715 25 [DAR]
- 45 [D] – 0855 (40)
- 1455 – 63 [T] – 2340 (60)
- 2330 – 25 [D] – 0120
- 0100 – 14 [D] (10)
- (40)

32 DSN COVERAGE

- 0755 – 43[o,B] – 1605 (40)
- 0605 43 [o] (40)

S/C 32 INITIAL CONDITIONS

RTLT: 24h 52m 44s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

- 0731 COMMAND MORATORIUM
- 1200 RTLT 24h 52m 54s
- 0000 RTLT 24h 53m 4s
- 1432 DUMMY (5 MIN BRACKETED 15:27)

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=D/L AGC VARIATIONS EXPECTED DURING MAGROL (2143-0339)

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: 09/08/09 22:11

THURSDAY
SEPTEMBER 17, 2009
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: 30h 50m 2s

CCSL: A072

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

1200 RTLT 30h 50m 14s

0000 RTLT 30h 50m 26s

TLC (LONG-FORM)

D/L 0348

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0705 14 [D]

40

60

10

2330 15 [DA]

0500 25 [DAR]

40

2135 63 [D] 2335

32 DSN COVERAGE

43 [o] 1210

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 53m 4s

CCSL: B145

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

1200 RTLT 24h 53m 16s

0000 RTLT 24h 53m 26s

1449 COMMAND MORATORIUM

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 17 | SEP 18

ISSUE DATE: 09/08/09 22:11

FRIDAY
SEPTEMBER 18, 2009
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: 30h 50m 26s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 50m 38s
0000 RTLT 30h 50m 50s

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

31 DSN COVERAGE

0705 15 [DA]
0705 25 [DAR]
40
60
10
0145 - 0700 15 [DA]
0500 - 0700 25 [DAR]
40
1955 63 [D] 2335

32 DSN COVERAGE

0800 43 [D] 1615
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 53m 26s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 24h 53m 38s
0000 RTLT 24h 53m 48s
COMMAND MORATORIUM
0914 AAI
0917 MAGROL 1513
1506 RAI
1513 GYROS OFF
1513 CRU
1528 X/B LOW POWER
1532 BAY 1 HTR ON

FDS MODE: CR-5T
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 (0917-1513)

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: 09/08/09 22:11

SATURDAY
SEPTEMBER 19, 2009
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: 30h 50m 50s

CCSL: A072

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

1200 RTLT 30h 51m 2s

0000 RTLT 30h 51m 14s

0753 – 0835 TAPPOS

1056 1056 PWS/RH

1303 – 1331 TAPPOS

1056 GS-4B 1056

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

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

31 DSN COVERAGE

0700 15 [DA]

0700 25 [DAR]

40

0215 - 0655 15 [DA]

0450 - 0655 25 [DAR]

10

40

1435 63 [D] 2335

60

32 DSN COVERAGE

1015 43 [D] 1600

1540 45 [D] 1745

40

40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 53m 48s

CCSL: B145

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

1200 RTLT 24h 54m 0s

0000 RTLT 24h 54m 10s

COMMAND MORATORIUM 1438

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1056 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 19 | SEP 20

ISSUE DATE: 09/08/09 22:11

SUNDAY
SEPTEMBER 20, 2009
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: 30h 51m 14s

CCSL: A072

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

1200 RTLT 30h 51m 24s

0000 RTLT 30h 51m 36s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2345 — 15 [D] — 0510
0450 - 0615 — 25 [DA]
0450 - 0615 — 26 [DAR]
40
10
40
1750 — 63 [D] — 2210
60

32 DSN COVERAGE

0810 — 43 [D] — 1555
1535 — 45 [D] — 1800
40
40
0615 — 43

S/C 32
INITIAL CONDITIONS

RTLT: 24h 54m 10s

CCSL: B145

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

1200 RTLT 24h 54m 22s

0000 RTLT 24h 54m 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: SEP 20 | SEP 21

ISSUE DATE: 09/08/09 22:11

MONDAY
SEPTEMBER 21, 2009
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: 30h 51m 36s

CCSL: A072

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

1200 RTLT 30h 51m 48s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

40

1920 — 63 [D] — 2325

60

32 DSN COVERAGE

43 — 1100

40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 54m 32s

CCSL: B145

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

1200 RTLT 24h 54m 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: SEP 21 | SEP 22