VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: August 26, 2009 For the Period: 08/27/09 to 09/14/09 (09-239 – 09-257)

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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: 09/02/09 19:33

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

THURSDAY
AUGUST 27, 2009
239-240

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 41m 46s

CCSL: A072

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

1200 RTLT 30h 41m 58s

0000 RTLT 30h 42m 10s

TLC (SHORT-FORM)

D/L 0510

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0750 15 [DA]

0745 26 [DAR]

10

40

1600 63 [D] 2205

60

2155 55 [DAR] 0000

2155 65 [DA] 0000

10

0330 14 [D]

40

32 DSN COVERAGE

34 [o] 1110

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 45m 56s

CCSL: B145

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

1200 RTLT 24h 46m 4s

0000 RTLT 24h 46m 14s

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: AUG 27 | AUG 28

ISSUE DATE: 09/02/09 19:33

FRIDAY
AUGUST 28, 2009
240-241

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 42m 10s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 42m 22s
0000 RTLT 30h 42m 32s
1237 TAPPOS 1442
1539 1540 PWS/RH
1747 TAPPOS 1938
1539 GS-4B 1540

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

31 DSN COVERAGE

0745 14 [D] (10)
0810 45 [D] 0940 (40)
1830 63 [D] 2000 (60)
2210 15 [D] 0320
0300 - 0635 14 [D] (10)
(40)

32 DSN COVERAGE

0820 43 [o] 1430 (40)
(40)

S/C 32 INITIAL CONDITIONS

RTLT: 24h 46m 14s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 24h 46m 24s
0000 RTLT 24h 46m 34s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1539 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: AUG 28 | AUG 29

ISSUE DATE: 09/02/09 19:33

SATURDAY
AUGUST 29, 2009
241-242

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 42m 32s

CCSL: A072

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

1200 RTLT 30h 42m 44s

0000 RTLT 30h 42m 56s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

0925 — 1055 43 [Canceled]

40

2340 — 14 [D] — 0215

0155 - 0635 — 15 [D]

10

45 [D] 0615

40

1835 — 63 [D] — 0000

60

32 DSN COVERAGE

0930 — 45 [Canceled] — 1155

0940 — 43 [o] — 1425

40

0545 — 34 [o]

40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 46m 34s

CCSL: B145

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

1200 RTLT 24h 46m 44s

0000 RTLT 24h 46m 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: AUG 29 | AUG 30

ISSUE DATE: 09/02/09 19:33

SUNDAY
AUGUST 30, 2009
242-243

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 42m 56s

CCSL: A072

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

1200 RTLT 30h 43m 8s

0000 RTLT 30h 43m 20s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2340 — 15 [D] — 0250

0245 — 14 [D]

10

10

45 [D] — 1100

40

40

1835 — 63 [D] — 0000

60

32 DSN COVERAGE

34 [o] — *1555*

40

0255 — 43 [H]

40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 46m 52s

CCSL: B145

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

1200 RTLT 24h 47m 2s

0000 RTLT 24h 47m 12s

DUMMY (06:27) 0540

EL-40 (06:43) 0555

HPOINT 2 (07:04) 0617

CCSMRO MINI-SEQUENCE (07:24) 0636

CR-5T (07:39) 0652

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL | VGR

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: AUG 30 | AUG 31

ISSUE DATE: 09/02/09 19:33

MONDAY
AUGUST 31, 2009
243-244

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 43m 20s

CCSL: A072

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

1200 RTLT 30h 43m 32s

0000 RTLT 30h 43m 44s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0750 14 [D]
10
40
1800 63 [D] 2355
60
0135 15 [DA]
26 [DAR] 0610
10
40

32 DSN COVERAGE

43 [H] 1420
40
34 [D] 0605
40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 47m 12s

CCSL: B145

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

1200 RTLT 24h 47m 22s

0000 RTLT 24h 47m 32s

0644 EL-40

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL VGR

NOTES

[1] S/C 32=EL-40 @ 0643 XB=40(30)

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: AUG 31 | SEP 01

ISSUE DATE: 09/02/09 19:33

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

TUESDAY
SEPTEMBER 1, 2009
244-245

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 43m 44s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 43m 56s
0000 RTLT 30h 44m 8s
0916 | 0917 PWS/RH
0916 GS-4B 0917

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

31 DSN COVERAGE

15 [DA] | 0810
0810 26 [DAR]
10
40
2315 | 15 [D] | 0025
0145 | 14 [D]
10
1815 | 63 [D] | 2335
60
40

32 DSN COVERAGE

34 [D] | 0905
1240 | 43 [H] | 1625
40
0145 | 43 [D] | 0345
40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 47m 32s
CCSL: B145
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 24h 47m 42s
0000 RTLT 24h 47m 52s
0727 - 0732 HPOINTS UPD 2 & CCS MRO MINI-SEQUENCE CHKSUM - ECR 108641
1315 EL-40 (14:02)
1335 TLMPRG (14:22) - ECR 108662
1355 CR-5T (14:42)
1503 | 1511 12 CCSA SID MRO'S
1522 | 1531 12 CCSB SID MRO'S
0740 CR-5T

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

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

NOTES

[1] S/C 32=CR-5T @ 0740 XB=160(32)
[2] S/C 31=GS-4B @ 0916 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 01 | SEP 02

ISSUE DATE: 09/02/09 19:33

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 2, 2009
245-246

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 8s

CCSL: A072

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

1200 RTLT 30h 44m 20s

0000 RTLT 30h 44m 32s

1715 DUMMY (23:59)

U/L 1815 *TLC (SHORT-FORM)*

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

31 DSN COVERAGE

14 [D] *0810*
10
40
1615 *63 [T]* *1845*
60
0245 14 [D]
10
40

32 DSN COVERAGE

1250 45 [D] 1820
40
45 [D] 0630
40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 47m 52s

CCSL: B145

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

1200 RTLT 24h 48m 2s

0000 RTLT 24h 48m 12s

1423 TLMPRG - ECR 108662

EL-40 1403 *1443 CR-5T*

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

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

NOTES

[1] S/C 32=EL-40 @ 1403 XB=40(30)
[2] S/C 32=CR-5T @ 1443 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 02 | SEP 03

ISSUE DATE: 09/02/09 19:33

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
0420 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: 09/02/09 19:33

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

FRIDAY
SEPTEMBER 4, 2009
247-248

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: 09/02/09 19:33

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: 09/02/09 19:33

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] 0605
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: 09/02/09 19:33

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
SEPTEMBER 7, 2009
250-251

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] 1020
40

1340 63 [D] 2350
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: 09/02/09 19:33

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: 09/02/09 19:33

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] 0630
40
1430 — 63 [D] — 2145
60

32 DSN COVERAGE

0800 — 34 [o] — 1405
1330 — 43 [D] — 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

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 09 | SEP 10

ISSUE DATE: 09/02/09 19:33

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] 1015

40

1805 63 [T] 2345

60

2330 15 [DA]

10

0530 25 [DAR]

40

32 DSN COVERAGE

0800 43 [o] 1410

1350 45 [D] 1625

40

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: 09/02/09 19:33

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
1152 – 1301 TAPPOS
1454 1455 PWS/RH
1701 – 1757 TAPPOS
TLC (SHORT-FORM) – D/L
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: 09/02/09 19:33

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

2130 GYRO INIT

0701 D/L

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

0115 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: 09/02/09 19:33

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

1740 63 [D] 2140

60

40

32 DSN COVERAGE

45 [D] 0800

1130 43 [o] 1525

40

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: 09/02/09 19:33

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

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

32 DSN COVERAGE

45 [D] 1600
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

1200 RTLT 24h 52m 10s

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