VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: March 13, 2013 For the Period: 03/14/13 to 04/01/13 (13-073 – 13-091)

DSN OPSCHIEF (1) 230-102

DSOT (1) 230-102

*Zsarina.Bulchand@jpl.nasa.gov
*gdyke@airmail.fltops.jpl.nasa.gov
*John.M.Grant@jpl.nasa.gov
*dmcclena@airmail.fltops.jpl.nasa.gov
*pquach@airmail.fltops.jpl.nasa.gov
*mrobles@airmail.fltops.jpl.nasa.gov
*rwilliam@airmail.fltops.jpl.nasa.gov

OTHER

* KMassey@jgld.gdscc.nasa.gov
* Belinda.Arroyo@jpl.nasa.gov
* !DL-DSN-MPSETA@dsn.nasa.gov

SCIENCE

CRS *bryant@mail630.gsfc.nasa.gov
LECP *r.decker@jhuapl.edu
UVS *holberg@argus.lpl.arizona.edu
MAG *u2mha@lepvax.gsfc.nasa.gov
PLS *vgr@space.mit.edu
PWS *wsk@space.physics.uiowa.edu
*Leonard.F.Burlaga@nasa.gov
*Donald-Gurnett@uiowa.edu

FLIGHT TEAM (14) 600-100

Dodd, S.
Hall, J.
Howard, S. (3)
Ludwig, R. (2)
Matsumoto, S.
Medina, E.
Peralta, F.
Weeks, T.
Wong, R.
Yang, L
Zottarelli, L.
*odivers1@san.rr.com

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
(16 – Dist/N: Paper Copies)
09/08/10

ISSUE DATE: 03/13/13 13:46

THURSDAY
MARCH 14, 2013
073-074

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: 34h 13m 24s
CCSL: A086
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 34h 13m 22s
- 1156 IMPLEMENT ECR 112128
- 1207 IMPLEMENT ECR 112315
- 1216 – 1228 TLMPRG
- 1235 – 1237 ECR 112315 SID MRO'S
- 1335 – 1337 ECR 112315 REDUNDANT SID MRO'S
- 1349 – 1359 ECR 112128 SID MRO'S
- EL-40 1202
- 1402 CR-5T
- 0000 RTLT 34h 13m 20s

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

31 DSN COVERAGE

- 0750 – 14 [D] – 1445
- 10
- 40
- 60
- 0115 – 65 [DA] – 0335
- 0115 – 55 [DAR] – 0335
- 60

32 DSN COVERAGE

- 1845 – 34 [DA] – 0215
- 1845 – 45 [DAR] – 0105
- 40 40

S/C 32 INITIAL CONDITIONS

RTLT: 28h 8m 8s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

- 1200 RTLT 28h 8m 6s
- 0000 RTLT 28h 8m 4s
- 0700 – COMMAND MORATORIUM
- 1921 AAI
- 1924 – MAGROL – 0120
- 0113 RAI
- 0120 CRU
- 0120 GYROS STAY ON
- 0122 X/B LOW POWER
- 0126 BAY 1 HTR ON
- 0145 GYRO SWAP AC ON
- 0146 GYRO INIT
- 0155 GYRO FAULT TEST

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=EL-40 XB=40(30) @ 1202
[2] S/C 31=CR-5T XB=160(32) @ 1402
[3] S/C 32 D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1924-0119)

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: MAR 14 | MAR 15

ISSUE DATE: 03/13/13 13:46

FRIDAY
MARCH 15, 2013
074-075

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: 34h 13m 20s

CCSL: A086

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

1200 RTLT 34h 13m 18s

0000 RTLT 34h 13m 16s

2158 TAPPOS 0015

0101 0102 PWS/RH

0308 TAPPOS 0511

0101 GS-4B 0102

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

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

31 DSN COVERAGE

0840 15 [DA] 1345
0840 25 [DAR] 1345
10
40
0010 63 [D] 0535
60
60

32 DSN COVERAGE

1525 34 [D] 2005
40
40 40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 8m 4s

CCSL: B157

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

1200 RTLT 28h 8m 2s

0000 RTLT 28h 8m 0s

COMMAND MORATORIUM 2137

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 0101 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: MAR 15 | MAR 16

ISSUE DATE: 03/13/13 13:46

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
MARCH 16, 2013
075-076

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: 34h 13m 16s

CCSL: A086

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

1200 RTLT 34h 13m 14s

0000 RTLT 34h 13m 12s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0835 — 25 [DA] — 1400
0835 — 26 [DAR] — 1400
10
40
0120 — 63 [D] — 0425
60
60

32 DSN COVERAGE

1525 — 45 [D] — 1950
40
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 8m 0s

CCSL: B157

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

1200 RTLT 28h 7m 58s

0000 RTLT 28h 7m 56s

0146 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: MAR 16 | MAR 17

ISSUE DATE: 03/13/13 13:46

SUNDAY
MARCH 17, 2013
076-077

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: 34h 13m 12s

CCSL: A086

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

1200 RTLT 34h 13m 10s

0000 RTLT 34h 13m 8s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 0740 - 1310

10

40

0030 - 0615 63 [D]

60

60

32 DSN COVERAGE

40

1520 45 [D] 2345

40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 7m 56s

CCSL: B157

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

1200 RTLT 28h 7m 54s

0000 RTLT 28h 7m 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: MAR 17 | MAR 18

ISSUE DATE: 03/13/13 13:46

MONDAY
MARCH 18, 2013
077-078

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: 34h 13m 8s
CCSL: A086
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 34h 13m 6s

0000 RTLT 34h 13m 4s

1345 DUMMY (23:58)

U/L 1410 — TLC (SHORT-FORM)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1055 — 14 [T] — 1440
10
40
0055 — 65 [DA] — 0540
0055 — 55 [DAR] — 0540
60
60

32 DSN COVERAGE

40
1515 — 34 [D] — 1925
40

S/C 32 INITIAL CONDITIONS

RTLT: 28h 7m 50s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: AC ON

1200 RTLT 28h 7m 48s

0000 RTLT 28h 7m 46s

0146 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: MAR 18 | MAR 19

ISSUE DATE: 03/13/13 13:46

TUESDAY
MARCH 19, 2013
078-079

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: 34h 13m 4s
CCSL: A086
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 34h 13m 2s
0000 RTLT 34h 13m 0s
TLC (SHORT-FORM)
D/L 0151
1836 1837 PWS/RH
1849 DTR MAINT 0013
0017 0019 TAPPOS
1836 GS-4B 1837

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

31 DSN COVERAGE

0825 24 [DA] 1305
0825 26 [DAR] 1305
10
40
2355 63 [D] 0510
60
60

32 DSN COVERAGE

1510 45 [D] 2005
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 28h 7m 46s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: AC ON

1200 RTLT 28h 7m 44s
0000 RTLT 28h 7m 42s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1836 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: MAR 19 | MAR 20

ISSUE DATE: 03/13/13 13:46

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
MARCH 20, 2013
079-080

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: 34h 13m 0s

CCSL: A086

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

1200 RTLT 34h 12m 58s

0000 RTLT 34h 12m 56s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 0725 - 1235

10

40

2350 - 0645 63 [D]

60

60

32 DSN COVERAGE

1505 45 [D] 2005

40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 7m 42s

CCSL: B157

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

1200 RTLT 28h 7m 40s

0000 RTLT 28h 7m 38s

2213 COMMAND MORATORIUM

0146 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: MAR 20 | MAR 21

ISSUE DATE: 03/13/13 13:46

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
MARCH 21, 2013
080-081

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: 34h 12m 56s

CCSL: A086

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

1200 RTLT 34h 12m 54s

0000 RTLT 34h 12m 52s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0815 — 15 [DA] — 1230
0815 — 25 [DAR] — 1230
10
40
2345 — 63 [D] — 0540
60
60

32 DSN COVERAGE

1520 — 45 [D] — 2045
40
0130 — 45 [D] — 0445

S/C 32
INITIAL CONDITIONS

RTLT: 28h 7m 38s

CCSL: B157

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

1200 RTLT 28h 7m 34s

0000 RTLT 28h 7m 32s

COMMAND MORATORIUM

0150 GYROS OFF

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: MAR 21 | MAR 22

ISSUE DATE: 03/13/13 13:46

FRIDAY
MARCH 22, 2013
081-082

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: 34h 12m 52s
CCSL: A086
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 34h 12m 50s
- 0000 RTLT 34h 12m 48s
- 2134 – TAPPOS – 2351
- 0036 – 0037 PWS/RH
- 0244 – TAPPOS – 0447
- 0036 GS-4B 0037

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

31 DSN COVERAGE

- 0810 – 24 [DA] – 1225
- 0810 – 25 [DAR] – 1225
- 10
- 40
- 0040 – 65 [DAR] – 0500
- 0040 – 55 [DA] – 0500
- 60
- 80

32 DSN COVERAGE

- 1505 – 34 [D] – 2015
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 28h 7m 32s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

- 1200 RTLT 28h 7m 30s
- 0000 RTLT 28h 7m 28s
- COMMAND MORATORIUM – 2143

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 0036 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: MAR 22 | MAR 23

ISSUE DATE: 03/13/13 13:46

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
MARCH 23, 2013
082-083

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: 34h 12m 48s

CCSL: A086

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

1200 RTLT 34h 12m 46s

0000 RTLT 34h 12m 44s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0810 — 24 [DAR] — 1235
0810 — 26 [DA] — 1235
10
40
2340 - 0615 — 63 [D]
60
60

32 DSN COVERAGE

1455 — 45 [D] — 2105
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 7m 28s

CCSL: B157

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

1200 RTLT 28h 7m 26s

0000 RTLT 28h 7m 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: MAR 23 | MAR 24

ISSUE DATE: 03/13/13 13:46

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
MARCH 24, 2013
083-084

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: 34h 12m 44s

CCSL: A086

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

1200 RTLT 34h 12m 42s

0000 RTLT 34h 12m 40s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0805 — 15 [DA] — 1455
0805 — 24 [DAR] — 1455
10
40
0030 — 63 [D] — 0555
60
60

32 DSN COVERAGE

1450 — 34 [D] — 1950
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 7m 22s

CCSL: B157

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

1200 RTLT 28h 7m 20s

0000 RTLT 28h 7m 18s

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: MAR 24 | MAR 25

ISSUE DATE: 03/13/13 13:46

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
MARCH 25, 2013
084-085

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: 34h 12m 40s

CCSL: A086

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

1200 RTLT 34h 12m 38s

0000 RTLT 34h 12m 36s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0805 — 25 [DAR] — 1445
0805 — 26 [DA] — 1445
10
10
40
2345 - 0620 — 63 [D]
60
60

32 DSN COVERAGE

1830 — 45 [D] — 2045
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 7m 18s

CCSL: B157

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

1200 RTLT 28h 7m 16s

0000 RTLT 28h 7m 12s

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: MAR 25 | MAR 26

ISSUE DATE: 03/13/13 13:46

TUESDAY
MARCH 26, 2013
085-086

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: 34h 12m 36s
CCSL: A086
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 34h 12m 34s
0000 RTLT 34h 12m 34s
0045 DUMMY (10:58)
1812 1813 PWS/RH
U/L 0105 TLC (SHORT-FORM)
1812 GS-4B 1813

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

31 DSN COVERAGE

0755 15 [DA] 1325
0755 26 [DAR] 1325
10
10
40
0020 - 0615 63 [T]
60
60

32 DSN COVERAGE

1445 34 [D] 1945
40

S/C 32 INITIAL CONDITIONS

RTLT: 28h 7m 12s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 28h 7m 10s
0000 RTLT 28h 7m 8s

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

VGR COVERAGE	ON CALL	VGR	ON CALL

NOTES

[1] S/C 31=GS-4B @ 1812 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: MAR 26 | MAR 27

ISSUE DATE: 03/13/13 13:46

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
MARCH 27, 2013
086-087

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: 34h 12m 34s

CCSL: A086

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

1200 RTLT 34h 12m 32s

0000 RTLT 34h 12m 30s

TLC (SHORT-FORM)

1027 MAGCAL 1330
1027 PESCAL 1348

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

31 DSN COVERAGE

0810 15 [DAR] 1430
0810 25 [DA] 1430
10
40
60
2325 63 [D] 0610
60
14 [D] 0655
10

32 DSN COVERAGE

1440 34 [D] 2045
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 7m 8s

CCSL: B157

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

1200 RTLT 28h 7m 6s

0000 RTLT 28h 7m 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: MAR 27 | MAR 28

ISSUE DATE: 03/13/13 13:46

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
MARCH 28, 2013
087-088

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: 34h 12m 30s

CCSL: A086

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

1200 RTLT 34h 12m 28s

0000 RTLT 34h 12m 26s

TLC (SHORT-FORM) D/L 1246

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 1225
10
40
10
0035 65 [DA] 0455
0035 55 [DAR] 0455
60
60

32 DSN COVERAGE

1435 34 [o] 1920
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 7m 2s

CCSL: B157

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

1200 RTLT 28h 7m 0s

0000 RTLT 28h 6m 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: MAR 28 | MAR 29

ISSUE DATE: 03/13/13 13:46

FRIDAY
MARCH 29, 2013
088-089

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: 34h 12m 26s
CCSL: A086
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 34h 12m 24s
0000 RTLT 34h 12m 24s
2110 TAPPOS 2259
0012 0013 PWS/RH
0220 TAPPOS 0355
0012 GS-4B 0013

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

31 DSN COVERAGE

0745 24 [DA] 1225
0745 26 [DAR] 1225
10
40
14 [D] 0650
10
2320 63 [D] 0605
60
60

32 DSN COVERAGE

1430 45 [D] 1810
1800 34 [D] 2115
40

S/C 32 INITIAL CONDITIONS

RTLT: 28h 6m 58s
CCSL: B157
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 28h 6m 56s
0000 RTLT 28h 6m 52s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 0012 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: MAR 29 | MAR 30

ISSUE DATE: 03/13/13 13:46

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
MARCH 30, 2013
089-090

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: 34h 12m 24s

CCSL: A086

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

1200 RTLT 34h 12m 22s

0000 RTLT 34h 12m 20s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 1330
10
40
10
0010 65 [DAR] 0410
0010 55 [DA] 0410
60
60

32 DSN COVERAGE

1430 45 [D] 1910
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 6m 52s

CCSL: B157

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

1200 RTLT 28h 6m 50s

0000 RTLT 28h 6m 48s

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: MAR 30 | MAR 31

ISSUE DATE: 03/13/13 13:46

SUNDAY
MARCH 31, 2013
090-091

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: 34h 12m 20s

CCSL: A086

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

1200 RTLT 34h 12m 18s

0000 RTLT 34h 12m 16s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

15 [DA] 0735 - 0925
26 [DAR] 0735 - 0925
10
40
60
2310 - 0635
63 [D]
60
14 [D] 0640
10

32 DSN COVERAGE

1425
45 [D]
2040
40

S/C 32
INITIAL CONDITIONS

RTLT: 28h 6m 48s

CCSL: B157

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

1200 RTLT 28h 6m 44s

0000 RTLT 28h 6m 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: MAR 31 | APR 01

ISSUE DATE: 03/13/13 13:46

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
APRIL 1, 2013
091-092

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: 34h 12m 16s

CCSL: A086

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

1200 RTLT 34h 12m 16s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 1315

10

40

60

32 DSN COVERAGE

S/C 32
INITIAL CONDITIONS

RTLT: 28h 6m 42s

CCSL: B157

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

1200 RTLT 28h 6m 40s

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: APR 01 | APR 02