VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: May 4, 2016

For the Period: 05/05/16 to 05/22/16 (16-126 – 16-143)

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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 = 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: 05/05/16 00:17

THURSDAY
MAY 5, 2016
126-127

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: 37h 10m 32s
CCSL: A099
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 37h 10m 34s
0000 RTLT 37h 10m 34s
0949 AAI
0959 LECP OBS 1323
1336 RAI
1352 GYRO FAULT TEST
2150 DUMMY (11:01)
U/L 2230 TLC (SHORT-FORM)
2250 AAI
2253 MAGROL 0449
RAI 0442
GYROS STAY ON 0449
CRU 0449
GYRO FAULT TEST 0459
NO-OP MAGROLS 0504
DMRO 0506 0533
DMRO - REDUNDANT 0542 0608
1852 1918 TAPPOS
PWS/RH 2154 2155
TAPPOS 2206 2218
2154 GS-4B 2155

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

31 DSN COVERAGE

0850 26 [DA] 1420
1315 1420 24 [DAR]
10
10
2045 - 0645 63 [TA]
2230 54 [DA] 0500
2230 55 [DAR] 0500
60
40
60

32 DSN COVERAGE

1520 34 [D] 2330
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 41m 56s
CCSL: B171
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 30h 41m 54s
0000 RTLT 30h 41m 52s

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

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

NOTES

[1] S/C 31=GS-4B @ 2154 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (2253-0449)

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: MAY 05 | MAY 06

ISSUE DATE: 05/05/16 00:17

FRIDAY
MAY 6, 2016
127-128

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: 37h 10m 34s

CCSL: A099

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

1200 RTLT 37h 10m 36s

0000 RTLT 37h 10m 38s

TLC (SHORT-FORM)

1211 RE-ENA MAGROLS

1221 – 1247 DMRO

1257 – 1324 DMRO - REDUNDANT

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

26 [D] 0725 - 1330

10

40

10

60

60

32 DSN COVERAGE

1015 – 43 [D] – 1155

40

2320 – 43 [D] – 0405

S/C 32 INITIAL CONDITIONS

RTLT: 30h 41m 52s

CCSL: B171

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

1200 RTLT 30h 41m 50s

0000 RTLT 30h 41m 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: MAY 06 | MAY 07

ISSUE DATE: 05/05/16 00:17

SATURDAY
MAY 7, 2016
128-129

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: 37h 10m 38s
CCSL: A099
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 37h 10m 38s
0000 RTLT 37h 10m 40s
TLC (SHORT-FORM) D/L 1309
2152 2205 TAPPOS
0054 0055 PWS/RH
0106 0107 TAPPOS
0054 GS-4B 0055

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

31 DSN COVERAGE

25 [DA] 0710 - 1410
1305 1410 24 [DAR]
10
40
10
60
60

32 DSN COVERAGE

1615 34 [o] 2320
0135 0240 34 [DAR]
0135 0240 45 [DA]
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 41m 48s
CCSL: B171
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 30h 41m 46s
0000 RTLT 30h 41m 44s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 0054 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: MAY 07 | MAY 08

ISSUE DATE: 05/05/16 00:17

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
MAY 8, 2016
129-130

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: 37h 10m 40s

CCSL: A099

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

1200 RTLT 37h 10m 42s

0000 RTLT 37h 10m 44s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1015 — 15 [DA] — 1510
1300 — 24 [DAR] — 1510
1355 — 25 [DA] — 1510
10
40
60
2035 — 63 [D] — 2345
60
10

32 DSN COVERAGE

2115 — 35 [DA] — 0255
2315 — 34 [DAR] — 0255
40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 41m 44s

CCSL: B171

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

1200 RTLT 30h 41m 42s

0000 RTLT 30h 41m 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: MAY 08 | MAY 09

ISSUE DATE: 05/05/16 00:17

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
MAY 9, 2016
130-131

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: 37h 10m 44s

CCSL: A099

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

1200 RTLT 37h 10m 46s

0000 RTLT 37h 10m 46s

0819 AAI

0829 LECP OBS 1245

1258 RAI

1314 GYRO FAULT TEST

2044 AAI

2054 LECP OBS 2353

0006 RAI

0022 GYRO FAULT TEST

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0805 25 [DAR] 1400

0805 26 [DA] 1400

10

40

10

2030 63 [D] 0030

60

60

32 DSN COVERAGE

1140 43 [o] 2240

40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 41m 40s

CCSL: B171

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

1200 RTLT 30h 41m 38s

0000 RTLT 30h 41m 36s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: 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: MAY 09 | MAY 10

ISSUE DATE: 05/05/16 00:17

TUESDAY
MAY 10, 2016
131-132

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: 37h 10m 46s
CCSL: A099
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 37h 10m 48s
0000 RTLT 37h 10m 50s
1009 AAI
1019 – – – – LECP OBS – – – – – 1409
1422 RAI
1438 GYRO FAULT TEST
1517 1518 PWS/RH
1517 GS-4B 1518

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

31 DSN COVERAGE

0955 24 [DAR] 1500
0955 26 [DA] 1500
1355 1500 15 [DA]
10
40
60
10
60

32 DSN COVERAGE

2100 45 [DA] 0230
2310 34 [DAR] 0230
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 41m 36s
CCSL: B171
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 30h 41m 36s
0000 RTLT 30h 41m 34s

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: MAY 10 | MAY 11

ISSUE DATE: 05/05/16 00:17

WEDNESDAY
MAY 11, 2016
132-133

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: 37h 10m 50s
CCSL: A099
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 37h 10m 52s
0000 RTLT 37h 10m 54s
0834 AAI
0844 LECP OBS 1233
1246 RAI
1303 GYRO FAULT TEST
1311 GYROS OFF
1844 1926 TAPPOS
2227 YAW=.05
2237 PLAYBACK 0455
YAW=.10 0504
2237
0455

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

31 DSN COVERAGE

0820 25 [DA] 1355
0820 26 [DAR] 1355
10
2030 - 0645 63 [DA]
2155 55 [DA] 0455
2155 65 [DAR] 0455
40
60
10
60

32 DSN COVERAGE

1100 43 [B] 1515
40
2050 34 [D] 2305

S/C 32 INITIAL CONDITIONS

RTLT: 30h 41m 34s
CCSL: B171
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 30h 41m 32s
0000 RTLT 30h 41m 30s
1137 CRS RECONFIG (5 MIN BRACKETED 18:19)

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 @ 2237 XB=1.4K(39)
[2] S/C 31=CR-5T @ 0455 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: MAY 11 | MAY 12

ISSUE DATE: 05/05/16 00:17

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
MAY 12, 2016
133-134

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: 37h 10m 54s

CCSL: A099

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

1200 RTLT 37h 10m 56s

0000 RTLT 37h 10m 58s

2110 DUMMY (10:21)

0754 0813 TAPPOS

U/L 2135 TLC (SHORT-FORM)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

10

2045 63 [T] 2305

60

60

32 DSN COVERAGE

1710 45 [DA] 0220

2300 35 [DAR] 0220

40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 41m 30s

CCSL: B171

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

1200 RTLT 30h 41m 28s

0000 RTLT 30h 41m 28s

1819 CRS RECONFIG

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL | VGR | | 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: MAY 12 | MAY 13

ISSUE DATE: 05/05/16 00:17

FRIDAY
MAY 13, 2016
134-135

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: 37h 10m 58s

CCSL: A099

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

1200 RTLT 37h 11m 0s

0000 RTLT 37h 11m 2s

TLC (SHORT-FORM)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0855 — 24 [DA] — 1435
1240 — 26 [DAR] — 1435
1345 — 1435 25 [DA]
10
40
60
60
0350 — 14 [D]
10

32 DSN COVERAGE

1655 — 35 [D] — 2255
0035 — 43 [D] — 0320
40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 41m 28s

CCSL: B171

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

1200 RTLT 30h 41m 26s

0000 RTLT 30h 41m 24s

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: MAY 13 | MAY 14

ISSUE DATE: 05/05/16 00:17

SATURDAY
MAY 14, 2016
135-136

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: 37h 11m 2s
CCSL: A099
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 11m 4s

0000 RTLT 37h 11m 6s

TLC (SHORT-FORM) D/L 1214

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0750 14 [D]
1045 24 [D] 1245
10
40
60
2010 63 [D] 0010
60
26 [D] 0615
10

32 DSN COVERAGE

0940 43 [o] 1405
2030 34 [D] 2255
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 41m 24s
CCSL: B171
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 30h 41m 22s

0000 RTLT 30h 41m 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: MAY 14 | MAY 15

ISSUE DATE: 05/05/16 00:17

SUNDAY
MAY 15, 2016
136-137

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: 37h 11m 6s

CCSL: A099

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

1200 RTLT 37h 11m 10s

0000 RTLT 37h 11m 12s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

26 [D] 1240
10
40
10
2215 63 [D] 0545
60
60

32 DSN COVERAGE

1640 45 [D] 2250
0030 43 [D] 0330
40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 41m 22s

CCSL: B171

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

1200 RTLT 30h 41m 20s

0000 RTLT 30h 41m 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: MAY 15 | MAY 16

ISSUE DATE: 05/05/16 00:17

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
MAY 16, 2016
137-138

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: 37h 11m 12s

CCSL: A099

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

1200 RTLT 37h 11m 14s

0000 RTLT 37h 11m 16s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1020 — 26 [D] — 1235

10

10

40

0000 — 65 [DA] — 0600

54 [DAR] 0450 — 0600

60

60

32 DSN COVERAGE

1800 — 35 [D] — 2055

40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 41m 18s

CCSL: B171

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

1200 RTLT 30h 41m 18s

0000 RTLT 30h 41m 16s

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: MAY 16 | MAY 17

ISSUE DATE: 05/05/16 00:17

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
MAY 17, 2016
138-139

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: 37h 11m 16s

CCSL: A099

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

1200 RTLT 37h 11m 20s

0000 RTLT 37h 11m 22s

1354 ENA AHELI2
1357 1358 2 AHELI2 SID MRO'S

1405 X/B LOW POWER
1409 BAY 1 HTR ON

1417 GYROS AC ON
1417 GYRO INIT
1427 GYRO FAULT TEST

1453 1454 PWS/RH

1453 GS-4B 1454

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

31 DSN COVERAGE

10 10

1330 1445 34 [DAR]
1330 1445 45 [DA]
40

0155 65 [DAR] 0555
0155 55 [DA] 0555

60 60

32 DSN COVERAGE

0930 43 [D] 1440
1540 34 [D] 1710
2115 35 [D] 2235
40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 41m 16s

CCSL: B171

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

1200 RTLT 30h 41m 14s

0000 RTLT 30h 41m 14s

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

[1] S/C 31=GS-4B @ 1453 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: MAY 17 | MAY 18

ISSUE DATE: 05/05/16 00:17

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
MAY 18, 2016
139-140

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: 37h 11m 22s

CCSL: A099

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

1200 RTLT 37h 11m 24s

0000 RTLT 37h 11m 28s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

0325 14 [D] 0555

10

40

60

60

32 DSN COVERAGE

1035 43 [B] 1405

1835 35 [D] 2235

0015 43 [D] 0320

40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 41m 14s

CCSL: B171

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

1200 RTLT 30h 41m 12s

0000 RTLT 30h 41m 10s

1332 DUMMY (5 MIN BRACKETED 20:14)

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: MAY 18 | MAY 19

ISSUE DATE: 05/05/16 00:17

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
MAY 19, 2016
140-141

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: 37h 11m 28s

CCSL: A099

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

1200 RTLT 37h 11m 30s

0000 RTLT 37h 11m 32s

U/L 1215 TLC (LONG-FORM)

1415 DUMMY (03:27)

1417 GYRO INIT

1805 1831 TAPPOS

2107 2108 PWS/RH

2118 2131 TAPPOS

2107 GS-4B 2108

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

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

31 DSN COVERAGE

1055 14 [T] 1455

10

40

60

60

0325 14 [D]

10

32 DSN COVERAGE

1445 34 [D] 2045

2045 45 [D] 2145

40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 41m 10s

CCSL: B171

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

1200 RTLT 30h 41m 10s

0000 RTLT 30h 41m 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 @ 2107 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: MAY 19 | MAY 20

ISSUE DATE: 05/05/16 00:17

FRIDAY
MAY 20, 2016
141-142

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: 37h 11m 32s

CCSL: A099

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

1200 RTLT 37h 11m 36s

0000 RTLT 37h 11m 38s

TLC (LONG-FORM)

D/L 0255

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0725 14 [D]

10

10

40

0010 65 [DAR] 0545

0010 55 [DA] 0545

60

32 DSN COVERAGE

1505 34 [o] 2230

40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 41m 8s

CCSL: B171

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

1200 RTLT 30h 41m 8s

0000 RTLT 30h 41m 6s

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: MAY 20 | MAY 21

ISSUE DATE: 05/05/16 00:17

SATURDAY
MAY 21, 2016
142-143

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: 37h 11m 38s
CCSL: A099
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AC ON

- 1200 RTLT 37h 11m 42s
- 0000 RTLT 37h 11m 44s
- 1417 GYRO INIT
- 2105 – 2117 TAPPOS
- 0007 – 0008 PWS/RH
- 0018 – 0020 TAPPOS
- 0006 GS-4B 0008

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

31 DSN COVERAGE

- 10
- 40
- 0025 – 54 [DA] – 0540
- 0025 – 65 [DAR] – 0540
- 60
- 10

32 DSN COVERAGE

- 1400 – 34 [D] – 0145
- 2225 – 35 [D] – 0145
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 41m 6s
CCSL: B171
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

- 1200 RTLT 30h 41m 6s
- 0000 RTLT 30h 41m 4s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 0006 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: MAY 21 | MAY 22

ISSUE DATE: 05/05/16 00:17

SUNDAY
MAY 22, 2016
143-144

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: 37h 11m 44s

CCSL: A099

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

1200 RTLT 37h 11m 48s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

32 DSN COVERAGE

2000 — 45 [D] — 2220

S/C 32
INITIAL CONDITIONS

RTLT: 30h 41m 4s

CCSL: B171

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

1200 RTLT 30h 41m 4s

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: MAY 22 | MAY 23