VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: October 12, 2016

For the Period: 10/13/16 to 10/31/16 (16-287 – 16-305)

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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: 10/19/16 07:23

THURSDAY
OCTOBER 13, 2016
287-288

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 56m 12s

CCSL: A100

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

1200 RTLT 37h 56m 24s

0000 RTLT 37h 56m 34s

TLC (SHORT-FORM)

TAPPOS 0627 - 0642

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

1950 24 [DAR] 2350
1950 25 [DA] 2350

40 10 40 60

32 DSN COVERAGE

35 [D] 0715 - 1035

1350 43 [B] 1735

40 40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 10m 54s

CCSL: B173

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

1200 RTLT 31h 11m 6s

0000 RTLT 31h 11m 18s

1427 DUMMY (5 MIN BRACKETED 21:39)

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 13 | OCT 14

ISSUE DATE: 10/19/16 07:23

FRIDAY
OCTOBER 14, 2016
288-289

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 56m 34s

CCSL: A100

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

1200 RTLT 37h 56m 44s

0000 RTLT 37h 56m 54s

TLC (SHORT-FORM) D/L 1519

0930 0930 PWS/RH
0941 0942 TAPPOS

0929 GS-4B 0930

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

31 DSN COVERAGE

10

40

40

1015 63 [D] 1415

60

32 DSN COVERAGE

34 [o] 0625

0805 34 [DAR] 1655

0910 36 [DA] 1655

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 11m 18s

CCSL: B173

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

1200 RTLT 31h 11m 28s

0000 RTLT 31h 11m 40s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 0929 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 14 | OCT 15

ISSUE DATE: 10/19/16 07:23

SATURDAY
OCTOBER 15, 2016
289-290

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 56m 54s

CCSL: A100

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

1200 RTLT 37h 57m 6s

0000 RTLT 37h 57m 16s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

40

1250 63 [D] 1830

60

32 DSN COVERAGE

34 [o] 1025

1430 35 [DA] 1655

1430 36 [DAR] 1655

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 11m 40s

CCSL: B173

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

1200 RTLT 31h 11m 50s

0000 RTLT 31h 12m 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: OCT 15 | OCT 16

ISSUE DATE: 10/19/16 07:23

SUNDAY
OCTOBER 16, 2016
290-291

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 57m 16s

CCSL: A100

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

1200 RTLT 37h 57m 26s

0000 RTLT 37h 57m 36s

0928 0929 TAPPOS

1230 1231 PWS/RH

1241 1254 TAPPOS

1229 GS-4B 1231

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

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

31 DSN COVERAGE

1945 25 [DAR] 2345
1945 26 [DA] 2345

40 10 0530 43 [D] 40 60

32 DSN COVERAGE

1050 35 [DA] 1650
1050 36 [DAR] 1650

40 40 36 [D] 0615

S/C 32
INITIAL CONDITIONS

RTLT: 31h 12m 2s

CCSL: B173

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

1200 RTLT 31h 12m 14s

0000 RTLT 31h 12m 24s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1229 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 16 | OCT 17

ISSUE DATE: 10/19/16 07:23

MONDAY
OCTOBER 17, 2016
291-292

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 57m 36s

CCSL: A100

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

1200 RTLT 37h 57m 46s

0000 RTLT 37h 57m 58s

BEGIN SEQUENCE A101 0408

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

43 [D] 0930

40

1945 63 [D] 2120

60

32 DSN COVERAGE

36 [D] 1020

40

1410 43 [D] 1710

40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 12m 24s

CCSL: B173

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

1200 RTLT 31h 12m 36s

0000 RTLT 31h 12m 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: OCT 17 | OCT 18

ISSUE DATE: 10/19/16 07:23

TUESDAY
OCTOBER 18, 2016
292-293

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 57m 58s
CCSL: A101
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 58m 8s
0000 RTLT 37h 58m 18s
1549 IMPLEMENT ECR 114355 START TBL
1550 1554 IMPLEMENT ECR 114373 E-0296 SAMPLING
1628 1700 SHUNT POWER TEST
1633 1647 LR DTR SLEW
1648 1649 PWSREC W/O MODE CHG
1650 SW TRK
1651 1652 HR DTR SLEW
1653 TRK CHG
0253 0254 PWS/RH
0253 GS-4B 0254

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

31 DSN COVERAGE

10
40
0115 43 [D] 0300
40
1435 63 [D] 2120
60

32 DSN COVERAGE

1300 43 [D] 1715
40
0445 34 [DAR]
0445 36 [DA]
40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 12m 48s
CCSL: B173
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 31h 12m 58s
0000 RTLT 31h 13m 10s
0447 - 0630 PLSCAL
0447 MAGCAL
0447 PESCAL

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES
[1] S/C 31=GS-4B @ 0253 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 18 | OCT 19

ISSUE DATE: 10/19/16 07:23

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
OCTOBER 19, 2016
293-294

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 58m 18s

CCSL: A101

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

1200 RTLT 37h 58m 28s

0000 RTLT 37h 58m 38s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0010 — 14 [D] — 0430

10

40

40

60

32 DSN COVERAGE

34 [DAR] 0845
36 [DA] 0845

40

1445 35 [DA] 1640
1445 45 [DAR] 1640

40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 13m 10s

CCSL: B173

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

0750 MAGCAL
0807 PESCAL

1515 1547 SHUNT POWER TEST

1200 RTLT 31h 13m 22s

0000 RTLT 31h 13m 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: OCT 19 | OCT 20

ISSUE DATE: 10/19/16 07:23

THURSDAY
OCTOBER 20, 2016
294-295

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 58m 38s
CCSL: A101
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 58m 48s

0000 RTLT 37h 58m 58s

2105 DUMMY (11:04)

U/L 2355 — TLC (SHORT-FORM)

TAPPOS 0604 | 0606

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2040 — 14 [T] — 0025

10

40

40

60

32 DSN COVERAGE

0900 — 34 [o] — 1010

1320 — 43 [B] — 1705

40

40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 13m 32s
CCSL: B173
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 31h 13m 44s

0000 RTLT 31h 13m 54s

1402 DUMMY (5 MIN BRACKETED 21:16)

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: OCT 20 | OCT 21

ISSUE DATE: 10/19/16 07:23

FRIDAY
OCTOBER 21, 2016
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: 37h 58m 58s
CCSL: A101
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 59m 8s
0000 RTLT 37h 59m 18s
TLC (SHORT-FORM)
0906 0908 PWS/RH
0918 0931 TAPPOS
0906 GS-4B 0908

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

31 DSN COVERAGE

10
40
40
1425 63 [D] 2105
60

32 DSN COVERAGE

36 [D] 0730 - 1135
0550 34 [o]
1355 43 [D] 1700
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 13m 54s
CCSL: B173
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 31h 14m 6s
0000 RTLT 31h 14m 18s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 0906 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 21 | OCT 22

ISSUE DATE: 10/19/16 07:23

SATURDAY
OCTOBER 22, 2016
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: 37h 59m 18s

CCSL: A101

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

1200 RTLT 37h 59m 28s

0000 RTLT 37h 59m 38s

TLC (SHORT-FORM) D/L 1522

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

40

1420 63 [D] 2100

60

32 DSN COVERAGE

34 [o] 1000

1255 35 [DA] 1635

1255 45 [DAR] 1635

0600 45 [D]

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 14m 18s

CCSL: B173

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

1200 RTLT 31h 14m 28s

0000 RTLT 31h 14m 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: OCT 22 | OCT 23

ISSUE DATE: 10/19/16 07:23

SUNDAY
OCTOBER 23, 2016
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: 37h 59m 38s
CCSL: A101
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 59m 48s
0000 RTLT 37h 59m 58s
0905 – 0917 TAPPOS
1206 – 1208 PWS/RH
1218 – 1245 TAPPOS
1206 GS-4B 1208

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

31 DSN COVERAGE

1710 – 14 [D] – 2210
10
40
40
60

32 DSN COVERAGE

45 [D] – 1000
40
1345 – 43 [D] – 1655
2320 – 34 [DAR] – 0320
2320 – 45 [DA] – 0320
40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 14m 40s
CCSL: B173
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 31h 14m 50s
0000 RTLT 31h 15m 2s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1206 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: 10/19/16 07:23

MONDAY
OCTOBER 24, 2016
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: 37h 59m 58s

CCSL: A101

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

1200 RTLT 38h 0m 6s

0000 RTLT 38h 0m 16s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

0355 43 [D]
40

0935 63 [D] 1335
60

32 DSN COVERAGE

36 [D] 0640

1425 35 [DA] 1620
1425 36 [DAR] 1620

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 15m 2s

CCSL: B173

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

1200 RTLT 31h 15m 14s

0000 RTLT 31h 15m 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: OCT 24 | OCT 25

ISSUE DATE: 10/19/16 07:23

TUESDAY
OCTOBER 25, 2016
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: 38h 0m 16s

CCSL: A101

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

1200 RTLT 38h 0m 26s

0000 RTLT 38h 0m 36s

2355 DUMMY (13:56)

U/L 0120 TLC (SHORT-FORM)

0230 0231 PWS/RH

0230 GS-4B 0231

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

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

31 DSN COVERAGE

2330 14 [T] 0415

10

0755 43 [D]

40

40

60

32 DSN COVERAGE

36 [D] 0950

1300 43 [B] 1645

40

40

0600 43 [o]

S/C 32
INITIAL CONDITIONS

RTLT: 31h 15m 24s

CCSL: B173

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

1200 RTLT 31h 15m 36s

0000 RTLT 31h 15m 46s

1612 DUMMY (5 MIN BRACKETED 23:28)

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=GS-4B @ 0230 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 25 | OCT 26

ISSUE DATE: 10/19/16 07:23

WEDNESDAY
OCTOBER 26, 2016
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: 38h 0m 36s
CCSL: A101
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 38h 0m 46s
- 0000 RTLT 38h 0m 56s
- 1623 – 1736 TAPPOS
- TLC (SHORT-FORM)
- 1904 BAY 1 HTR OFF
- 1907 YAW=.05
- 1908 X/B HI POWER
- 1916 – PLAYBACK – 0151
- 0205 YAW=.10
- 1916
- 0151

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

31 DSN COVERAGE

- 1745 – 14 [DA] – 0420
- 1830 – 24 [DA] – 0150
- 1830 – 25 [DAR] – 0150
- 40
- 10
- 40
- 60

32 DSN COVERAGE

- 43 [o] – 0830
- 0830 – 34 [D] – 0950
- 1335 – 43 [D] – 1640
- 40
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 15m 46s
CCSL: B173
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

- 1200 RTLT 31h 15m 58s
- 0000 RTLT 31h 16m 8s

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

VGR COVERAGE	ON CALL	VGR	ON CALL

NOTES

[1] S/C 31=PB-14 @ 1916 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 26 | OCT 27

ISSUE DATE: 10/19/16 07:23

THURSDAY
OCTOBER 27, 2016
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: 38h 0m 56s

CCSL: A101

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

1200 RTLT 38h 1m 4s

0000 RTLT 38h 1m 14s

TLC (SHORT-FORM) D/L 1649

1739 TAPPOS 1954

0542 TAPPOS

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

10

40

40

1535 63 [D] 2045

60

32 DSN COVERAGE

0535 45 [D]

1225 43 [D] 1640

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 16m 8s

CCSL: B173

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

1200 RTLT 31h 16m 20s

0000 RTLT 31h 16m 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 27 | OCT 28

ISSUE DATE: 10/19/16 07:23

FRIDAY
OCTOBER 28, 2016
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: 38h 1m 14s
CCSL: A101
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 38h 1m 24s
- 0000 RTLT 38h 1m 32s
- 0759 TAPPOS
- 0844 0845 PWS/RH
- 0855 TAPPOS 1058
- 0843 GS-4B 0845
- 1823 X-TWTA LOW POWER
- 1825 GYROS BC ON
- 1825 GYRO INIT
- 1827 X-TWTA HI POWER
- 1835 GYRO FAULT TEST

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

31 DSN COVERAGE

- 10
- 40
- 40
- 1400 — 63 [D] — 2040
- 60

32 DSN COVERAGE

- 45 [D] — 0940
- 1325 — 43 [D] — 1635
- 40
- 2305 — 35 [DAR] — 0150
- 2305 — 45 [DA] — 0150
- 0530 — 34 [o]
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 16m 30s
CCSL: B173
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

- 1200 RTLT 31h 16m 42s
- 0000 RTLT 31h 16m 52s

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

[1] S/C 31=GS-4B @ 0843 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 28 | OCT 29

ISSUE DATE: 10/19/16 07:23

SATURDAY
OCTOBER 29, 2016
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: 38h 1m 32s

CCSL: A101

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

1200 RTLT 38h 1m 42s

0000 RTLT 38h 1m 52s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0210 14 [D] 0400

10

40

40

0915 63 [D] 1505

60

32 DSN COVERAGE

2300 36 [DAR] 0320

2300 45 [DA] 0320

0525 36 [D]

34 [o] 0935

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 16m 52s

CCSL: B173

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

1200 RTLT 31h 17m 4s

0000 RTLT 31h 17m 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: OCT 29 | OCT 30

ISSUE DATE: 10/19/16 07:23

SUNDAY
OCTOBER 30, 2016
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: 38h 1m 52s
CCSL: A101
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 38h 2m 0s
0000 RTLT 38h 2m 10s
0842 TAPPOS 1045
1144 1145 PWS/RH
1155 TAPPOS 1345
1144 GS-4B 1145

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

31 DSN COVERAGE

2015 14 [D] 2315
10
40
0205 - 0620 35 [DAR]
0205 - 0620 45 [DA]
40
1915 63 [D] 2030
60

32 DSN COVERAGE

36 [D] 0935
1320 43 [D] 1625
40
2255 35 [DA] 0035
2255 45 [DAR] 0035
0530 36 [D]
40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 17m 14s
CCSL: B173
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 31h 17m 26s
0000 RTLT 31h 17m 36s

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

VGR COVERAGE: ON CALL

NOTES
[1] S/C 31=GS-4B @ 1144 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: 10/19/16 07:23

MONDAY
OCTOBER 31, 2016
305-306

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: 38h 2m 10s

CCSL: A101

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

1200 RTLT 38h 2m 18s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

40

60

1915 63 [D] 2025

32 DSN COVERAGE

36 [D] 0930

1315 43 [D] 1620

40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 17m 36s

CCSL: B173

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

1200 RTLT 31h 17m 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: OCT 31 | NOV 01