VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: October 5, 2016

For the Period: 10/04/16 to 10/24/16 (16-280 – 16-298)

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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: 10/13/16 07:10

THURSDAY
OCTOBER 6, 2016
280-281

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 53m 42s
CCSL: A100
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 53m 52s
0000 RTLT 37h 54m 4s
TAPPOS 0650

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

31 DSN COVERAGE

10
40
40
1530 — 63 [D] — 2210
60

32 DSN COVERAGE

45 [D] — 0705 - 1105
40
1450 — 43 [D] — 1800
40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 8m 16s
CCSL: B173
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 31h 8m 28s
0000 RTLT 31h 8m 38s
0700 COMMAND MORATORIUM
1455 — 1745 GYRO CONDITIONING MINI-SEQ
1516 FPGYRO DISA
1517 — 1523 DMRO
1525 BAY 1 HEATER OFF
1526 — 1637 GYROS BC COND
1537 PYR DB = .05/.05/.05 DEG
1638 BAY 1 HEATER ON
1642 PYR DB = .05/.10/.25 DEG
1644 FPGYRO ENA
1646 — 1652 DMRO
EL-40 1455
1745 CR-5T

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

[1] S/C 31=EL-40 @ 1455 XB=40(30)
[2] S/C 31=CR-5T @ 1745 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: OCT 06 | OCT 07

ISSUE DATE: 10/13/16 07:10

FRIDAY
OCTOBER 7, 2016
281-282

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 54m 4s
CCSL: A100
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 54m 14s
0000 RTLT 37h 54m 26s
A101 CHKSUM
1449 1450 AHELI2 MRO'S
0719 TAPPOS
0952 0953 PWS/RH
1504 1508 CCSA SID MRO'S - ECR'S 114281 & 114355
1004 1019 TAPPOS
1522 1523 CCSB SID MRO'S
1531 1535 CCSA SID MRO'S - REDUNDANT
1540 1541 CCSB SID MRO'S - REDUNDANT
0952 GS-4B 0953
EL-40 1350
1550 CR-5T

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

31 DSN COVERAGE

10
40
0415 43 [D] 0605
40
1130 63 [D] 1720
60

32 DSN COVERAGE

34 [o] 0710 - 1105
34 [o] 0655
1445 35 [DA] 1730
1445 36 [DAR] 1730
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 8m 38s
CCSL: B173
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 31h 8m 50s
0000 RTLT 31h 9m 2s
COMMAND MORATORIUM

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

VGR COVERAGE	ON CALL	VGR	ON CALL

NOTES

[1] S/C 31=GS-4B @ 0952 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=EL-40 @ 1350 XB=40(30)
[3] S/C 31=CR-5T @ 1550 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: OCT 07 | OCT 08

ISSUE DATE: 10/13/16 07:10

SATURDAY
OCTOBER 8, 2016
282-283

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 54m 26s
CCSL: A100
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 37h 54m 36s
0000 RTLT 37h 54m 46s

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

31 DSN COVERAGE

1810 — 14 [D] — 2310
10
40
40
60

32 DSN COVERAGE

34 [o] — 1105
1445 — 43 [D] — 1755
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 9m 2s
CCSL: B173
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: OFF

1200 RTLT 31h 9m 12s
0000 RTLT 31h 9m 24s
0936 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: OCT 08 | OCT 09

ISSUE DATE: 10/13/16 07:10

SUNDAY
OCTOBER 9, 2016
283-284

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 54m 46s

CCSL: A100

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

1200 RTLT 37h 54m 58s

0000 RTLT 37h 55m 8s

0950 – 1006 TAPPOS

1253 – 1254 PWS/RH

1304 – 1305 TAPPOS

1252 GS-4B 1254

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

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

31 DSN COVERAGE

0415 – 14 [D] – 0520

10

40

40

1510 – 63 [D] – 2155

60

32 DSN COVERAGE

0750 – 34 [D] – 1100

1350 – 43 [D] – 1750

40

40

S/C 32 INITIAL CONDITIONS

RTLT: 31h 9m 24s

CCSL: B173

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

1200 RTLT 31h 9m 36s

0000 RTLT 31h 9m 46s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1252 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 09 | OCT 10

ISSUE DATE: 10/13/16 07:10

MONDAY
OCTOBER 10, 2016
284-285

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 55m 8s

CCSL: A100

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

1200 RTLT 37h 55m 20s

0000 RTLT 37h 55m 30s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2005 — 24 [DAR] — 0005
2005 — 25 [DA] — 0005
40
10
40
60

32 DSN COVERAGE

0745 — 43 [o1] — 1140
40
40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 9m 46s

CCSL: B173

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

1200 RTLT 31h 9m 58s

0000 RTLT 31h 10m 10s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] SC 32=GYRO COND MINI-SEQ BACKUP U/L TRACK

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 10 | OCT 11

ISSUE DATE: 10/13/16 07:10

TUESDAY
OCTOBER 11, 2016
285-286

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 55m 30s

CCSL: A100

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

1200 RTLT 37h 55m 40s

0000 RTLT 37h 55m 52s

2243 MAGCAL 0145
2243 PESCAL 0203

0316 0316 PWS/RH

0316 GS-4B 0316

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

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

31 DSN COVERAGE

2225 25 [DAR] 0225
2225 26 [DA] 0225
10
40
40
1045 63 [D1] 1500
60

32 DSN COVERAGE

1005 45 [DA] 1715
1035 36 [DAR] 1715
40
40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 10m 10s

CCSL: B173

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

1200 RTLT 31h 10m 20s

0000 RTLT 31h 10m 32s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] A101 BACKUP U/L TRACK

[2] S/C 31=GS-4B @ 0316 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 11 | OCT 12

ISSUE DATE: 10/13/16 07:10

WEDNESDAY
OCTOBER 12, 2016
286-287

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 55m 52s

CCSL: A100

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

1200 RTLT 37h 56m 2s

0000 RTLT 37h 56m 12s

2330 DUMMY (13:26)

U/L 2355 *TLC (SHORT-FORM)*

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2200 14 [T] 0505

10

40

40

60

32 DSN COVERAGE

0945 43 [o] 1735

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 31h 10m 32s

CCSL: B173

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

1200 RTLT 31h 10m 44s

0000 RTLT 31h 10m 54s

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 12 | OCT 13

ISSUE DATE: 10/13/16 07:10

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: 10/13/16 07:10

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

0805 34 [DAR] 1655
0910 36 [DA] 1655
40
34 [o] 0625
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: 10/13/16 07:10

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: 10/13/16 07:10

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

36 [D] 0615

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

40

40

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: 10/13/16 07:10

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
OCTOBER 17, 2016
291-292

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

1410 43 [D] 1710

40

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: 10/13/16 07:10

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
U/L 1530 TLC (LONG-FORM)
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
1730 DUMMY (07:28)
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 - 0625 43 [D] 40
1450 63 [T] 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: 10/13/16 07:10

WEDNESDAY
OCTOBER 19, 2016
293-294

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 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

TLC (LONG-FORM)

0555 - 0656 D/L

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

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

40

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

1200 RTLT 31h 13m 22s

0000 RTLT 31h 13m 32s

0750 MAGCAL

0807 PESCAL

1515 1547 SHUNT POWER TEST

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: 10/13/16 07:10

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

TAPPOS 0604 ‖ 0606

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2025 ├── 14 [D] ──┤ 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

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: 10/13/16 07:10

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

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: 10/13/16 07:10

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

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

40

0600 — 45 [D]

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: 10/13/16 07:10

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
1345 – 43 [D] – 1655
40
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: 10/13/16 07:10

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

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

40

0935 — 63 [D] — 1335

60

32 DSN COVERAGE

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

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

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