VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: October 21, 2015

For the Period: 10/22/15 to 11/9/15 (15-295 – 15-313)

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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: 10/29/15 07:25

THURSDAY
OCTOBER 22, 2015
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: 36h 59m 38s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 36h 59m 48s
0000 RTLT 36h 59m 58s
1845 DUMMY (07:45)
TAPPOS 0559 | 0600
1851 GYRO INIT

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

31 DSN COVERAGE

0035 — 24 [DA] — 0435
0035 — 26 [DAR] — 0435
0300 — 15 [DA] — 0435
40
10
1820 — 63 — 2110
40
60

32 DSN COVERAGE

0930 — 34 [o] — 1215
1240 — 43 [D] — 1655
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 21m 20s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 30h 21m 30s
0000 RTLT 30h 21m 42s
0928 COMMAND MORATORIUM

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 22 | OCT 23

ISSUE DATE: 10/29/15 07:25

FRIDAY
OCTOBER 23, 2015
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: 36h 59m 58s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25/
GYROS: BC ON

- 1200 RTLT 37h 0m 6s
- 0000 RTLT 37h 0m 16s
- 0040 BAY 1 HTR OFF
- 0044 X/B HI POWER
- 0049 AAI
- 0054 – LECP OBS – 0339
- 0344 RAI
- GYRO FAULT TEST 0401
- 0901 | 0902 PWS/RH
- 0913 – 0925 TAPPOS
- 0901 GS-4B 0902

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

31 DSN COVERAGE

- 0030 – 14 [D] – 0430
- 10
- 40
- 40
- 60

32 DSN COVERAGE

- 0340 – 34 [o]
- 1000 – 34 [DA] – 1650
- 1210 – 45 [DAR] – 1650
- 40
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 21m 42s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 30h 21m 54s
- 0000 RTLT 30h 22m 4s
- 1550 GYRO INIT

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

VGR COVERAGE	ON CALL	VGR	ON CALL

NOTES

[1] S/C 31=GS-4B @ 0901 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: 10/29/15 07:25

SATURDAY
OCTOBER 24, 2015
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 0m 16s

CCSL: A097

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

1200 RTLT 37h 0m 26s

0000 RTLT 37h 0m 36s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2300 — 24 [DA] — 0430
2300 — 26 [DAR] — 0430
0250 — 15 [DA] — 0430

40

10

40

1045 — 63 [D] — 1200

60

32 DSN COVERAGE

0730 34 [o]

0915 — 43 [D] — 1325

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 22m 4s

CCSL: B169

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

1200 RTLT 30h 22m 16s

0000 RTLT 30h 22m 26s

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: 10/29/15 07:25

SUNDAY
OCTOBER 25, 2015
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 0m 36s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

- 1200 RTLT 37h 0m 46s
- 0000 RTLT 37h 0m 56s
- 0859 – 0912 TAPPOS
- 1202 – 1202 PWS/RH
- 1213 – 1239 TAPPOS
- 1519 AAI
- 1524 – LECP OBS – 1952
- 1957 RAI
- 2013 GYRO FAULT TEST
- 1202 GS-4B 1202

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

31 DSN COVERAGE

- 10
- 40
- 40
- 1215 – 63 [D] – 2100
- 60

32 DSN COVERAGE

- 0900 – 43 [B] – 1645
- 40
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 22m 26s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 30h 22m 38s
- 0000 RTLT 30h 22m 48s
- 0013 – COMMAND MORATORIUM
- 1551 GYRO INIT
- 1607 DUMMY (5 MIN BRACKETED 22:30)

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

[1] S/C 31=GS-4B @ 1202 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: 10/29/15 07:25

MONDAY
OCTOBER 26, 2015
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: 37h 0m 56s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 37h 1m 6s
0000 RTLT 37h 1m 14s
0944 AAI
0949 LECP OBS 1301
1306 RAI
1322 GYRO FAULT TEST

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

31 DSN COVERAGE

0145 14 [D] 0420
10
40
40
0925 63 [D] 1345
60

32 DSN COVERAGE

0925 34 [DA] 1345
1120 35 [DAR] 1345
40
40
0530 43 [D]

S/C 32 INITIAL CONDITIONS

RTLT: 30h 22m 48s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 30h 23m 0s
0000 RTLT 30h 23m 12s
COMMAND MORATORIUM
BAY 1 HTR OFF 0606
X/B HI POWER 0610
0657

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES
[1] S/C 32=EL-40 @ 0657 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: OCT 26 | OCT 27

ISSUE DATE: 10/29/15 07:25

TUESDAY
OCTOBER 27, 2015
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: 37h 1m 14s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 37h 1m 24s
0000 RTLT 37h 1m 34s
1251 NO-OP BL BLAYBACKS
1254 | 1254 SID MRO
1354 | 1354 SID MRO - REDUNDANT
0224 | 0225 PWS/RH
0225 GS-4B 0225

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

31 DSN COVERAGE

10
40
40
1220 — 63 [D] — 1420
60

32 DSN COVERAGE

0320 — 35 [DA] — 0530
0320 — 34 [DAR]
0530 — 43 [DA]
43 [D] — 1340
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 23m 12s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 30h 23m 22s
0000 RTLT 30h 23m 34s
COMMAND MORATORIUM
0712 ALL DB=.05
0728 AAI
0729 - 0806 ASCAL
0803 RAI
0806 CRU
0814 YAW=.10
0814 ROLL=.25
0815 GYRO FAULT TEST
0809
0350 AAI
0353 — MAGROL

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

VGR COVERAGE: VGR | ON CALL | VGR

NOTES

[1] S/C 31=GS-4B @ 0225 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 32 - D/L /SNR VARIATIONS EXPECTED DURING ASCAL (0729-0806)
[3] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0353-0949)

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: 10/29/15 07:25

WEDNESDAY
OCTOBER 28, 2015
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: 37h 1m 34s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

- 1200 RTLT 37h 1m 44s
- 0000 RTLT 37h 1m 52s
- 1617 – 1728 TAPPOS
- 1649 AAI
- 1654 – LECP OBS – 2006
- 1715 DUMMY (06:17)
- U/L 1745 – TLC (SHORT-FORM)
- 2011 RAI
- 2027 GYRO FAULT TEST

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

31 DSN COVERAGE

- 2045 – 15 [DA] – 0240
- 2045 – 26 [DAR] – 0240
- 40
- 10
- 40
- 1645 – 63 [T] – 2045
- 60

32 DSN COVERAGE

- *34 [DAR]* – *1630*
- *43 [DA]* – *1000*
- *1000* – *35 [DA]* – *1630*
- 40
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 23m 34s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 30h 23m 44s
- 0000 RTLT 30h 23m 56s
- COMMAND MORATORIUM – 0331
- MAGROL – 0949
- 0941 RAI
- 0949 GYROS OFF
- 0949 CRU
- 0951 X/B LOW POWER
- 0955 BAY 1 HTR ON

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: OCT 28 | OCT 29

ISSUE DATE: 10/29/15 07:25

THURSDAY
OCTOBER 29, 2015
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: 37h 1m 52s

CCSL: A097

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

- 1200 RTLT 37h 2m 2s
- 0000 RTLT 37h 2m 12s
- 0536 TAPPOS
- 2351 RE-ENA BL PLAYBACKS
- 1734 – 1827 TAPPOS
- 2354 – 2354 SID MRO
- 0054 – 0054 SID MRO - REDUNDANT
- TLC (SHORT-FORM)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

- 2325 – 25 [DA] – 0410
- 2325 – 26 [DAR] – 0410
- 0230 – 24 [DA] – 0410
- 40
- 10
- 60
- 40

32 DSN COVERAGE

- 1045 – 34 [DAR] – 1350
- 1145 – 45 [DA] – 1350
- 1335 – 43 [D] – 1630
- 40
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 23m 56s

CCSL: B169

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

- 1200 RTLT 30h 24m 6s
- 0000 RTLT 30h 24m 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: OCT 29 | OCT 30

ISSUE DATE: 10/29/15 07:25

FRIDAY
OCTOBER 30, 2015
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: 37h 2m 12s

CCSL: A097

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

1200 RTLT 37h 2m 20s

0000 RTLT 37h 2m 30s

0753 TAPPOS

0838 0839 PWS/RH

0850 TAPPOS 1053

1649 AAI

1654 LECP OBS 1940

1820 GYRO INIT

1829 GYRO FAULT TEST

1919 1926 CCSTIMB FINE

1945 RAI

2001 GYRO FAULT TEST

TLC (SHORT-FORM)

D/L 0815

0838 GS-4B 0839

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

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

31 DSN COVERAGE

2340 14 [D] 0225

10

40

40

1630 63 [D] 2035

60

32 DSN COVERAGE

0825 45 [DA] 1330

1140 34 [DAR] 1330

1330 43 [D] 1625

40

40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 24m 18s

CCSL: B169

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

1200 RTLT 30h 24m 28s

0000 RTLT 30h 24m 40s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

[1] S/C 31=GS-4B @ 0838 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: 10/29/15 07:25

SATURDAY
OCTOBER 31, 2015
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: 37h 2m 30s

CCSL: A097

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

1200 RTLT 37h 2m 38s

0000 RTLT 37h 2m 48s

1852 GYRO INIT

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2030 — 14 [D] — 0310

10

40

40

1800 — 63 [D] — 2035

60

32 DSN COVERAGE

1005 — 34 [DA] — 1220

1130 — 1220 45 [DAR]

1205 — 43 [D] — 1620

40

45 [D] 0700

40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 24m 40s

CCSL: B169

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

1200 RTLT 30h 24m 50s

0000 RTLT 30h 25m 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 31 | NOV 01

ISSUE DATE: 10/29/15 07:25

SUNDAY
NOVEMBER 1, 2015
305-306

PDT: 0 1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

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

S/C 31 INITIAL CONDITIONS

RTLT: 37h 2m 48s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 37h 2m 58s
0000 RTLT 37h 3m 6s
0836 TAPPOS 1040
1139 1140 PWS/RH
1150 TAPPOS 1339
1138 GS-4B 1140

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

31 DSN COVERAGE

2155 14 [D] 0355
10
40
40
60

32 DSN COVERAGE

45 [D] 0700 - 1135
1305 34 [DA] 1615
1305 45 [DAR] 1615
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 25m 2s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 25m 12s
0000 RTLT 30h 25m 24s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1138 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

UTC: NOV 01 | NOV 02

ISSUE DATE: 10/29/15 07:25

PST: 22 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

MONDAY
NOVEMBER 2, 2015
306-307

UTC: 6 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 3m 6s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 37h 3m 16s
0000 RTLT 37h 3m 24s
1853 GYRO INIT

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

31 DSN COVERAGE

2325 — 25 [DAR] — 0355
2325 — 26 [DA] — 0355
0220 — 24 [DA] — 0355
40
10
60
40

32 DSN COVERAGE

1005 — 34 [DA] — 1335
1130 — 45 [DAR] — 1335
1315 — 43 [D] — 1610
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 25m 24s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 25m 34s
0000 RTLT 30h 25m 46s

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

VGR COVERAGE: ON CALL

NOTES

UTC: 6 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: NOV 02 | NOV 03

ISSUE DATE: 10/29/15 07:25

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

TUESDAY
NOVEMBER 3, 2015
307-308

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 3m 24s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25/
GYROS: BC ON

1200 RTLT 37h 3m 32s
0000 RTLT 37h 3m 42s
1936 ALL DB=.05
1952 AAI
1953 2030 ASCAL
2027 RAI
2030 CRU
2038 YAW=.10
2038 ROLL=.25
2040 GYRO FAULT TEST
0202 0202 PWS/RH
1921 2033
0202 GS-4B 0202

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

31 DSN COVERAGE

1840 14 [D] 2105
2350 25 [DA] 0350
2350 26 [DAR] 0350
0215 15 [DA] 0350
10
40
1140 63 [D] 1250
40
60

32 DSN COVERAGE

0930 43 [D] 1540
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 25m 46s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 25m 56s
0000 RTLT 30h 26m 8s

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

VGR COVERAGE	ON CALL	VGR	ON CALL

NOTES

[1] S/C 31 - D/L /SNR VARIATIONS EXPECTED DURING ASCAL (1953-2030)
[2] S/C 31=EL-40 @ 1921 XB=40(30)
[3] S/C 31=GS-4B @ 0202 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: NOV 03 | NOV 04

ISSUE DATE: 10/29/15 07:25

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

WEDNESDAY
NOVEMBER 4, 2015
308-309

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 3m 42s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

- 1200 RTLT 37h 3m 50s
- 0000 RTLT 37h 4m 0s
- 1638 AAI
- 1643 – LECP OBS – 1929
- 1745 DUMMY (06:49)
- U/L 1810 – TLC (SHORT-FORM)
- 1934 RAI
- 1951 GYRO FAULT TEST

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

31 DSN COVERAGE

- 10
- 40
- 40
- 1635 – 63 [T] – 2020
- 60

32 DSN COVERAGE

- 34 [A,o] 0715 - 1245
- 1120 – 45 [DAR] – 1245
- 1235 – 43 [D] – 1605
- 40
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 26m 8s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 30h 26m 18s
- 0000 RTLT 30h 26m 28s

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: NOV 04 | NOV 05

ISSUE DATE: 10/29/15 07:25

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

THURSDAY
NOVEMBER 5, 2015
309-310

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 4m 0s

CCSL: A097

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

1200 RTLT 37h 4m 8s

0000 RTLT 37h 4m 16s

0513 - 0649 TAPPOS

1853 GYRO INIT

TLC (SHORT-FORM)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2210 — 25 [DAR] — 0210
2210 — 26 [DA] — 0210
40
10
40
60

32 DSN COVERAGE

0845 — 34 [DA] — 1320
1120 — 45 [DAR] — 1320
1300 — 43 [D] — 1600
40
40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 26m 28s

CCSL: B169

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

1200 RTLT 30h 26m 40s

0000 RTLT 30h 26m 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: NOV 05 | NOV 06

ISSUE DATE: 10/29/15 07:25

FRIDAY
NOVEMBER 6, 2015
310-311

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

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 4m 16s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 37h 4m 24s
0000 RTLT 37h 4m 34s
1930 AAI
1933 MAGROL 0129
0816 0816 PWS/RH
0827 TAPPOS 0948
0122 RAI
0129 GYROS STAY ON
0129 CRU
0139 GYRO FAULT TEST
TLC (SHORT-FORM)
D/L 0842
0815 GS-4B 0816

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

31 DSN COVERAGE

1900 14 [DAR] 0230
1900 15 [DA] 0230
1900 26 [DA] 0230
10
40
60
40

32 DSN COVERAGE

0830 45 [D] 1115
1210 43 [B] 1555
34 [o] 0625
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 26m 50s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 27m 0s
0000 RTLT 30h 27m 12s
1442 DUMMY (5 MIN BRACKETED 21:09)

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 @ 0815 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=D/L AGC & SNR VARIATIONS EXPECTED DURING MAGROL (1933-0129)

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: NOV 06 | NOV 07

ISSUE DATE: 10/29/15 07:25

SATURDAY
NOVEMBER 7, 2015
311-312

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

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 4m 34s

CCSL: A097

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

1200 RTLT 37h 4m 42s

0000 RTLT 37h 4m 50s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

2335 — 14 [D] — 0335

10

40

40

60

32 DSN COVERAGE

34 [o] — 1110

1330 — 34 [DAR] — 1550

1330 — 45 [DA] — 1550

40

40

S/C 32
INITIAL CONDITIONS

RTLT: 30h 27m 12s

CCSL: B169

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

1200 RTLT 30h 27m 22s

0000 RTLT 30h 27m 34s

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: NOV 07 | NOV 08

ISSUE DATE: 10/29/15 07:25

SUNDAY
NOVEMBER 8, 2015
312-313

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

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 4m 50s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 37h 4m 58s
0000 RTLT 37h 5m 6s
0813 TAPPOS 0935
1116 1117 PWS/RH
1127 - - - - 1235 TAPPOS
1853 GYRO INIT
1115 GS-4B 1117

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

31 DSN COVERAGE

1915 — 25 [DAR] — 0200
1915 — 26 [DA] — 0200
40
10
40
60

32 DSN COVERAGE

45 [D] — 0710 - 1110
1240 — 43 [D] — 1550
34 [o] 0635
40
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 27m 34s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 27m 44s
0000 RTLT 30h 27m 54s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1115 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: NOV 08 | NOV 09

ISSUE DATE: 10/29/15 07:25

MONDAY
NOVEMBER 9, 2015
313-314

PST: 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

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 5m 6s
CCSL: A097
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: BC ON

1200 RTLT 37h 5m 16s
0904 AAI
0909 LECP OBS 1129
1134 RAI
1140 GYROS OFF

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

31 DSN COVERAGE

40
0845 63 1230
60

32 DSN COVERAGE

34 [o] 1105
1320 34 [DAR] 1545
1320 45 [DA] 1545
40

S/C 32 INITIAL CONDITIONS

RTLT: 30h 27m 54s
CCSL: B169
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 28m 4s

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: NOV 09 | NOV 10