VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: July 22, 2009 For the Period: 0723/09 to 8/10/09 (09-204 – 09-222)

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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 = 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
(17 – Dist/N: Paper Copies)
04/02/09

ISSUE DATE: 07/24/09 23:30

THURSDAY
JULY 23, 2009
204-205

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: 30h 28m 54s

CCSL: A072

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

1200 RTLT 30h 29m 4s

0000 RTLT 30h 29m 14s

TLC (SHORT-FORM)
D/L 0817

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

24 [DAR] 0830
25 [DA] 0830
10
0930 45 [D] 1330
40
60
0120 15 [D]
10
40

32 DSN COVERAGE

43 [D] 0850
0835 34 [o] 1755
40
0425 43 [D]
40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 36m 58s

CCSL: B144

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

1200 RTLT 24h 37m 4s

0000 RTLT 24h 37m 10s

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: JUL 23 | JUL 24

ISSUE DATE: 07/24/09 23:30

FRIDAY
JULY 24, 2009
205-206

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: 30h 29m 14s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 29m 24s
0000 RTLT 30h 29m 34s
1431 – – – 1512 TAPPOS
1733 1734 PWS/RH
1940 – – – – 2036 TAPPOS
1733 GS-4B 1734

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

31 DSN COVERAGE

15 [D] 0830
10
40
0040 15 [D]
10
40
2220 63 [D] deleted 0045
60

32 DSN COVERAGE

43 [D] 0805
0830 45 [D] 1700
40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 37m 10s
CCSL: B144
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 24h 37m 14s
0000 RTLT 24h 37m 20s

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

VGR COVERAGE: **ON CALL**

NOTES

[1] S/C 31=GS-4B @ 1733 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: JUL 24 | JUL 25

ISSUE DATE: 07/24/09 23:30

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
JULY 25, 2009
206-207

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: 30h 29m 34s

CCSL: A072

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

1200 RTLT 30h 29m 44s

0000 RTLT 30h 29m 54s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

15 [D] 0845
10
40

0025 15 [D]
10
40

2020 63 [D] 0045
60

32 DSN COVERAGE

1330 34 [D] 1920
40

43 [H] 0645

S/C 32
INITIAL CONDITIONS

RTLT: 24h 37m 20s

CCSL: B144

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

1200 RTLT 24h 37m 26s

0000 RTLT 24h 37m 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: JUL 25 | JUL 26

ISSUE DATE: 07/24/09 23:30

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
JULY 26, 2009
207-208

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: 30h 29m 54s

CCSL: A072

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

1200 RTLT 30h 30m 4s

0000 RTLT 30h 30m 14s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

15 [D] 0855
10
40
0020 15 [D]
10
40
2120 63 [D] 0045
60

32 DSN COVERAGE

43 [H] 1630
1610 45 [D] 1745
40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 37m 32s

CCSL: B144

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

1200 RTLT 24h 37m 40s

0000 RTLT 24h 37m 46s

1143 HPOINT PTR DMRO (12:22)

1243 HPOINT PTR DMRO (13:22)

1345 DUMMY (14:23)

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: JUL 26 | JUL 27

ISSUE DATE: 07/24/09 23:30

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
JULY 27, 2009
208-209

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: 30h 30m 14s

CCSL: A072

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

1200 RTLT 30h 30m 26s

0000 RTLT 30h 30m 36s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

15 [D] 0825
10
40
2330 - 0625
14 [D]
15 [D] 0605
10
40
2115
63 [D]
2350
60

32 DSN COVERAGE

1115
45 [D]
1750
40
43 [D] 0630

S/C 32
INITIAL CONDITIONS

RTLT: 24h 37m 46s

CCSL: B144

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

1200 RTLT 24h 37m 52s

0000 RTLT 24h 37m 58s

1226 1251 HPOINT PTR DRIBBLE MRO

1326 1351 HPOINT PTR DRIBBLE MRO

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: JUL 27 | JUL 28

ISSUE DATE: 07/24/09 23:30

TUESDAY
JULY 28, 2009
209-210

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: 30h 30m 36s

CCSL: A072

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

1200 RTLT 30h 30m 46s

0000 RTLT 30h 30m 56s

1109 | 1110 PWS/RH

1109 GS-4B 1110

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

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

31 DSN COVERAGE

15 [D] 0850 (10)

1100 45 [D] 1310 (40)

1530 63 [D] 1845 (60)

2315 55 [DAR] 0055 (10)

2315 65 [DA] 0055 (40)

0440 24 [DAR]

0440 25 [DA]

32 DSN COVERAGE

43 [D] 1655 (40)

1645 34 [D] 1905

S/C 32
INITIAL CONDITIONS

RTLT: 24h 37m 58s

CCSL: B144

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

1200 RTLT 24h 38m 4s

0000 RTLT 24h 38m 10s

1418 PLSCAL 1600

1418 MAGCAL 1720

1418 PESCAL 1738

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1109 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: JUL 28 | JUL 29

ISSUE DATE: 07/24/09 23:30

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
JULY 29, 2009
210-211

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: 30h 30m 56s

CCSL: A072

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

1200 RTLT 30h 31m 6s

0000 RTLT 30h 31m 16s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

24 [DAR] 0855
25 [DA] 0855
10
0835 45 [D] 1305
40
1600 63 [D] 2045
60
2330 14 [D]
10
40

32 DSN COVERAGE

0830 43 [D] 2045
40
45 [D] 0630

S/C 32
INITIAL CONDITIONS

RTLT: 24h 38m 10s

CCSL: B144

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

1200 RTLT 24h 38m 18s

0000 RTLT 24h 38m 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: JUL 29 | JUL 30

ISSUE DATE: 07/24/09 23:30

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
JULY 30, 2009
211-212

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: 30h 31m 16s

CCSL: A072

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

1200 RTLT 30h 31m 28s

0000 RTLT 30h 31m 38s

2130 DUMMY (04:02)

U/L 2330 TLC (SHORT-FORM)

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 0820
10
40

0000 15 [D]
10
40

1950 63 [T] 0020
60

32 DSN COVERAGE

0500 43 [D]

45 [D] 1745
40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 38m 24s

CCSL: B144

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

1200 RTLT 24h 38m 30s

0000 RTLT 24h 38m 36s

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: JUL 30 | JUL 31

ISSUE DATE: 07/24/09 23:30

FRIDAY
JULY 31, 2009
212-213

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: 30h 31m 38s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 30h 31m 48s
0000 RTLT 30h 31m 58s
TLC (SHORT-FORM)
D/L 0602
1408 1517 TAPPOS
1710 1711 PWS/RH
1917 TAPPOS 2041
0017 GYROS AB ON
0017 GYRO INIT
0027 GYRO FAULT TEST
1710 GS-4B 1711

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

31 DSN COVERAGE

15 [D] 0835
10
40
0015 15 [D] 0405
0345 14 [D]
10
40
2020 63 [D] 0035
60

32 DSN COVERAGE

0745 43 [D]
0800 45 [D] 1440
1750 45 [D] 1925
40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 38m 36s
CCSL: B144
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 24h 38m 44s
0000 RTLT 24h 38m 50s

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

VGR COVERAGE: ON CALL | VGR | ON CALL

NOTES

[1] S/C 31=GS-4B @ 1710 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: JUL 31 | AUG 01

ISSUE DATE: 07/24/09 23:30

SATURDAY
AUGUST 1, 2009
213-214

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: 30h 31m 58s

CCSL: A072

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

1200 RTLT 30h 32m 10s

0000 RTLT 30h 32m 20s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 1010 (10)

1245 43 [D] 1520 (40)

2025 63 [D] 0105 (60)

0045 14 [D] (10) (40)

32 DSN COVERAGE

0835 34 [D] 1535 (40)

1515 45 [D] 1640

S/C 32
INITIAL CONDITIONS

RTLT: 24h 38m 50s

CCSL: B144

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

1200 RTLT 24h 38m 58s

0000 RTLT 24h 39m 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: AUG 01 | AUG 02

ISSUE DATE: 07/24/09 23:30

SUNDAY
AUGUST 2, 2009
214-215

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: 30h 32m 20s

CCSL: A072

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

1200 RTLT 30h 32m 30s

0000 RTLT 30h 32m 42s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 1000 (10, 40)

0020 14 [D] (10, 40)

2020 63 [D] 0020 (60)

32 DSN COVERAGE

1045 43 [D] 2230 (40)

S/C 32
INITIAL CONDITIONS

RTLT: 24h 39m 4s

CCSL: B144

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

1200 RTLT 24h 39m 10s

0000 RTLT 24h 39m 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: AUG 02 | AUG 03

ISSUE DATE: 07/24/09 23:30

MONDAY
AUGUST 3, 2009
215-216

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: 30h 32m 42s

CCSL: A072

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

1200 RTLT 30h 32m 52s

0000 RTLT 30h 33m 4s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 0955 (10)

(40)

0015 15 [D] 0305

0245 14 [D] (10)

(40)

2045 63 [D] 0035 (60)

32 DSN COVERAGE

0915 43 [H] 1645 (40)

S/C 32
INITIAL CONDITIONS

RTLT: 24h 39m 18s

CCSL: B144

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

1200 RTLT 24h 39m 26s

0000 RTLT 24h 39m 32s

1345 DUMMY (14:24)

1400 EL-40 (14:39)

1421 CCSL B145 (15:00)

1456 CR-5T (15:36)

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: AUG 03 | AUG 04

ISSUE DATE: 07/24/09 23:30

TUESDAY
AUGUST 4, 2009
216-217

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: 30h 33m 4s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AB ON

1200 RTLT 30h 33m 14s
0000 RTLT 30h 33m 24s
2130 DUMMY (04:03)
1047 1048 PWS/RH
U/L 2245 TLC (SHORT-FORM)
0117 GYRO INIT
1046 GS-4B 1047

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

31 DSN COVERAGE

14 [D] 0825 (10)
0330 14 [D] (10)
(40)
(40)
2035 63 [T] 0015 (60)

32 DSN COVERAGE

0750 45 [D] 1205
1145 43 [D] 1650 (40)

S/C 32 INITIAL CONDITIONS

RTLT: 24h 39m 32s
CCSL: B144
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

1200 RTLT 24h 39m 40s
0000 RTLT 24h 39m 46s
TBD-TBD B145 CHKSUM
EL-40 1439
1537 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=GS-4B @ 1046 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: AUG 04 | AUG 05

ISSUE DATE: 07/24/09 23:30

WEDNESDAY
AUGUST 5, 2009
217-218

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: 30h 33m 24s

CCSL: A072

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

1200 RTLT 30h 33m 36s

0000 RTLT 30h 33m 46s

TLC (SHORT-FORM)

- 0646 D/L

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0720 14 [D] 10

0805 45 [D] 1235 40

0015 15 [D] 10 40

2025 63 [D] 0030 60

32 DSN COVERAGE

1320 45 [D] 2100 40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 39m 46s

CCSL: B144

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

1200 RTLT 24h 39m 54s

0000 RTLT 24h 40m 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: AUG 05 | AUG 06

ISSUE DATE: 07/24/09 23:30

THURSDAY
AUGUST 6, 2009
218-219

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: 30h 33m 46s

CCSL: A072

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

1200 RTLT 30h 33m 58s

0000 RTLT 30h 34m 8s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

15 [D] 0810 10

40

60

2335 15 [D] 10

40

32 DSN COVERAGE

1035 43 [D] 1650 40

S/C 32
INITIAL CONDITIONS

RTLT: 24h 40m 2s

CCSL: B144

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

1200 RTLT 24h 40m 8s

0000 RTLT 24h 40m 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: AUG 06 | AUG 07

ISSUE DATE: 07/24/09 23:30

FRIDAY
AUGUST 7, 2009
219-220

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: 30h 34m 8s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: AB ON

- 1200 RTLT 30h 34m 20s
- 0000 RTLT 30h 34m 30s
- 0058 BAY 1 HTR OFF
- 0102 X/B HI POWER
- 0128 AAI
- 1345 – TAPPOS – 1522
- 1647 | 1648 PWS/RH
- 1855 – TAPPOS – 2046
- 0130 – MAGROL –
- 1647 GS-4B 1648

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

31 DSN COVERAGE

- 15 [D] – 0805
- 10
- 40
- 0010 – 14 [D]
- 10
- 40
- 2020 – 63 [D] – 0030
- 60

32 DSN COVERAGE

- 0830 – 45 [D] – 1510
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 40m 16s
CCSL: B144
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 24h 40m 24s
- 0000 RTLT 24h 40m 30s

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

VGR COVERAGE: ON CALL

NOTES

[1] S/C 31=GS-4B @ 1647 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0130-0726)

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: AUG 07 | AUG 08

ISSUE DATE: 07/24/09 23:30

SATURDAY
AUGUST 8, 2009
220-221

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: 30h 34m 30s
CCSL: A072
FDSL: 11AF
TWNC: ON
SB: OFF
XB: HI
PYR: .05/.10/.25
GYROS: AB ON

- 1200 RTLT 30h 34m 42s
- 0000 RTLT 30h 34m 52s
- 0727 MAGROL
- 0719 RAI
- 0727 GYROS OFF
- 0727 CRU
- 0747 X/B LOW POWER
- 0751 BAY 1 HTR ON

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

- 0745 14 [D]
- 15 [DA] 0725 - 0945
- 24 [DAR] 0725 - 0945
- 10
- 40
- 0025 15 [D] 0335
- 0315 14 [D]
- 10
- 40
- 2020 63 [D] 0045
- 60

32 DSN COVERAGE

- 1045 43 [D] 1700
- 40

S/C 32 INITIAL CONDITIONS

RTLT: 24h 40m 30s
CCSL: B144
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

- 1200 RTLT 24h 40m 38s
- 0000 RTLT 24h 40m 46s

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: AUG 08 | AUG 09

ISSUE DATE: 07/24/09 23:30

SUNDAY
AUGUST 9, 2009
221-222

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: 30h 34m 52s

CCSL: A072

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

1200 RTLT 30h 35m 4s

0000 RTLT 30h 35m 14s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

14 [D] 0805 (10)

45 [D] 0735 - 1220 (40)

1710 63 [D] 0020 (60)

0315 - 0700 15 [D] (10)

(40)

32 DSN COVERAGE

43 [D] 0715 - 1505 (40)

(40)

S/C 32
INITIAL CONDITIONS

RTLT: 24h 40m 46s

CCSL: B144

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

1200 RTLT 24h 40m 54s

0000 RTLT 24h 41m 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: AUG 09 | AUG 10

ISSUE DATE: 07/24/09 23:30

MONDAY
AUGUST 10, 2009
222-223

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: 30h 35m 14s

CCSL: A072

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

1200 RTLT 30h 35m 26s

FDS MODE: CR-5T

XB DATA RATE(MI): 160(32)

31 DSN COVERAGE

0700 15 [D]
10
40

32 DSN COVERAGE

0755 45 [D] 1245
40
1740 45 [D] 2040

S/C 32
INITIAL CONDITIONS

RTLT: 24h 41m 2s

CCSL: B144

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

1200 RTLT 24h 41m 10s

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: AUG 10 | AUG 11