

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 17, 2003

For the Period: 09/18/03 to 10/05/03 (03-261 - 03-278)

Revised on: September 22, 2003

Distribution: Voyager Ace (1)

The following Pages were changed: September 23, 2003 SC 32 = 03-267/06:22 Baseline PMPCAL added.

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
- D = Downlink only pass
- A = Arrayed station
- U = Uplink only pass
- B = BLF
- [o] = Ramp-through
- H = High Power Transmitter
- T = TLC Uplink

*Electronic Copy Only
(1 – Dist/N: Paper Copies)
9/17/03

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 18, 2003
261-262

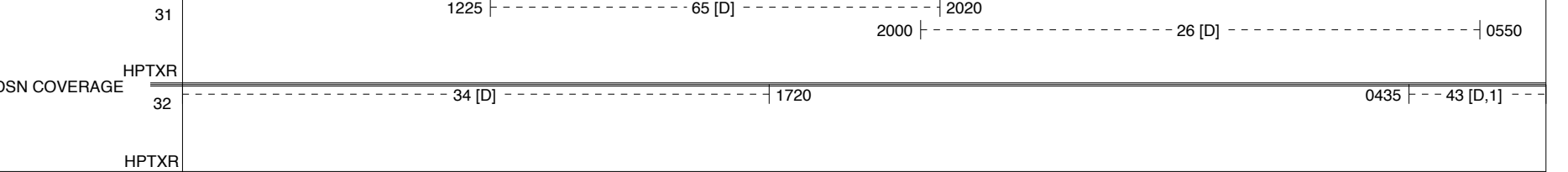
UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 24h 52m 14s | 1200 RTLT=24h 52m 26s | 0000 RTLT=24h 52m 38s

VOYAGER 1
FDSL : 11AF
CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

S/C 31 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -22.810 sec
ROLLREF = RIGIL KENTAURUS

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



RTLT : 19h 39m 56s | 1200 RTLT=19h 40m 8s | 0000 RTLT=19h 40m 20s
1910 |----- COMMAND MORATORIUM -----|

VOYAGER 2
FDSL : 11AF
CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05/ .10/ .25
GYROS : BC ON

S/C 32 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -2:48.482 min
ROLLREF = VEGA

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

VOYAGER COVERAGE |----- ON CALL -----|

NOTES [1] DUAL TLM STREAM SUPPORT

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

ISSUE DATE: 09/22/03 - 08:09

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

FRIDAY
SEPTEMBER 19, 2003
262-263

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

RTLT : 24h 52m 38s
VOYAGER 1
FDSL : 11AF
CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

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

1200 RTLT=24h 52m 50s 0000 RTLT=24h 53m 2s

DSN COVERAGE HPTXR
31 1930 |----- 15 [D] -----| 0430
HPTXR
32 |----- 43 [D,1] -----| 1825 0150 |----- 45 [D] -----|
HPTXR

RTLT : 19h 40m 20s
VOYAGER 2
FDSL : 11AF
CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05/ .10/ .25
GYROS : BC ON

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

1200 RTLT=19h 40m 30s 0000 RTLT=19h 40m 42s
COMMAND MORATORIUM
↓ 0822 AAI
0825 |----- MAGROL -----| 1420
↓ 1413 RAI
↓ 1420 CRU
↓ 1420 GYROS OFF

VOYAGER COVERAGE |----- VGR -----|----- ON CALL -----|

NOTES
[1] DUAL TLM STREAM SUPPORT
[2] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0825-1420)

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

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 20, 2003
263-264

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

RTLTL : 24h 53m 2s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLTL=24h 53m 12s
 0000 RTLTL=24h 53m 24s

1245 | 1246 PWS/RH

0942 | TAPPOS | 1106
 1452 | - - - - | 1602 TAPPOS

1245 GS-4B
 1246

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

31 1120 | - - - - - 63 [D] - - - - - | 1635
 1955 | - - - - - 25 [D] - - - - - | 0105

DSN COVERAGE HPTXR
 32 - - - - 45 [D] - - - - | 1000
 0145 | - - - - - 45 [D] - - - - -

HPTXR

RTLTL : 19h 40m 42s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : HIGH
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLTL=19h 40m 52s
 0000 RTLTL=19h 41m 4s

COMMAND MORATORIUM - - - - - | 1840

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

VOYAGER COVERAGE - - - - - ON CALL - - - - -

NOTES [1] S/C 31=GS-4B @ 1245 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

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 21, 2003
264-265

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

RTLT : 24h 53m 24s

1200 RTLT=24h 53m 36s

0000 RTLT=24h 53m 48s

VOYAGER 1

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1950 |----- 25 [D] -----| 0000

DSN COVERAGE HPTXR

32

45 [D] ---| 0920

0105 |----- 43 [D] -----

0900 |----- 34 [D] -----| 1355

HPTXR

RTLT : 19h 41m 4s

1200 RTLT=19h 41m 16s

0000 RTLT=19h 41m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

VOYAGER 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

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 22, 2003
265-266

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

RTLT : 24h 53m 48s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=24h 54m 0s
 0000 RTLT=24h 54m 10s

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

31 1645 |----- 54 [D] -----| 2050
 2030 |----- 26 [D] -----| 0535
 0600 | 34 [D]

DSN COVERAGE HPTXR
 32 ----- 43 [D] ----- | 1000
 0245 |----- 45 [D] -----|
 0940 |----- 34 [D] -----| 1705
 HPTXR

RTLT : 19h 41m 28s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : HIGH
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=19h 41m 38s
 0000 RTLT=19h 41m 50s

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

VOYAGER 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

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 23, 2003
266-267

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

RTLT : 24h 54m 10s

1200 RTLT=24h 54m 22s

0000 RTLT=24h 54m 34s

VOYAGER 1

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

0622 GS-4B
0622 CR-5T

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1500 |----- 63 [D] -----| 1900

1940 |----- 25 [D] -----| 2330

0030 |----- 24 [D] -----| 0530

DSN COVERAGE

HPTXR

32

34 [D] |----- 0825

45 [D] |----- 0930

0135 |----- 43 [D] -----

HPTXR

0910 |----- 34 [D] -----| 1700

RTLT : 19h 41m 50s

1200 RTLT=19h 42m 2s

0000 RTLT=19h 42m 12s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05/ .10/ .25
GYROS : OFF

1943 |----- COMMAND MORATORIUM -----

PWS/RH 0508 | 0509

PLSCAL 0622 |-----

MAGCAL 0622 |-----

PESCAL 0622 |-----

0508 GS-4B
0509 CR-5T

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

CR-5T

160(32)

VOYAGER COVERAGE

----- ON CALL -----

NOTES

- [1] S/C 32=GS-4B @ 0508 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 0622 XB=2.8K(41) NOT RECOVERABLE
- [3] S/C 31=CR-5T @ 0622 XB=2.8K(41)

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

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 24, 2003
267-268

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

RTLTL : 24h 54m 34s
VOYAGER 1
FDSL : 11AF
CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

↓ 2100 AZ ACT HTR OFF

1200 RTLTL=24h 54m 46s
0000 RTLTL=24h 54m 58s

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

31
DSN COVERAGE HPTXR
1940 |----- 25 [D] -----| 0530

32
HPTXR
43 [D] -----| 1000
1450 |--- 34 [D] ---| 1705

RTLTL : 19h 42m 12s
VOYAGER 2
FDSL : 11AF
CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=19h 42m 24s
0000 RTLTL=19h 42m 36s

----- COMMAND MORATORIUM -----
↓ 1455 X/B LOW POWER
↓ 1459 BAY 1 HTR ON

0804 PLSCAL
MAGCAL -- | 0924
PESCAL --- | 0942

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

VOYAGER 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

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 25, 2003
268-269

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

RTLTL : 24h 54m 58s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLTL=24h 55m 8s
 0000 RTLTL=24h 55m 20s

▼ 0015 DUMMY (01:10)

U/L 0100 | - | - - - - - TLC (SHORT-FORM) - - - - -

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

31 1715 | - - - - - 54 [D] - - - - - | 2040
 2025 | - - - - - 26 [D] - - - - - | 2340
 2345 | - - - - - 14 [T] - - - - - | 0345

HPTXR
 DSN COVERAGE
 32 1045 | - - - - - 43 [o] - - - - - | 1800
 0130 | - - - - - 45 [D] - - - - -

HPTXR

RTLTL : 19h 42m 36s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLTL=19h 42m 48s
 0000 RTLTL=19h 42m 58s

----- COMMAND MORATORIUM ----- | 1916

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

VOYAGER 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

ISSUE DATE: 09/22/03 - 08:09

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

FRIDAY
SEPTEMBER 26, 2003
269-270

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

RTLT : 24h 55m 20s

1200 RTLT=24h 55m 32s

0000 RTLT=24h 55m 44s

VOYAGER 1

- ↓ 1400 GYROS AB ON
- ↓ 1401 GYRO INIT
- ↓ 1410 GYRO FAULT TEST

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

----- TLC (SHORT-FORM) ----- | D/L | 0323

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1230 |----- 65 [D] -----| 1950

1930 |----- 15 [D] -----| 0520

DSN COVERAGE
HPTXR

32

--- 45 [D] ---| 0920

1500 |--- 45 [D] ---| 1720

0120- 0620 |----- 45 [D] -----|

HPTXR

RTLT : 19h 42m 58s

1200 RTLT=19h 43m 10s

0000 RTLT=19h 43m 22s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER 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

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 27, 2003
270-271

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

RTLTL : 24h 55m 44s

1200 RTLTL=24h 55m 54s

0000 RTLTL=24h 56m 6s

VOYAGER 1

1222 || 1223 PWS/RH

FDSL : 11AF

0920 |---| 1016 TAPPOS

1429 |--| 1511 TAPPOS

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : AB ON

1222
GS-4B 1223

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

31

1400 |-----| 54 [D] -----| 1955

2045 |-----| 15 [D] -----| 0450

DSN COVERAGE
HPTXR

32

0940 |-----| 34 [o] -----| 1635

0115 |-----| 45 [D] -----|

HPTXR

RTLTL : 19h 43m 22s

1200 RTLTL=19h 43m 34s

0000 RTLTL=19h 43m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

----- ON CALL -----

NOTES

[1] S/C 31=GS-4B @ 1222 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

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 28, 2003
271-272

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

RTLT : 24h 56m 6s

1200 RTLT=24h 56m 18s

0000 RTLT=24h 56m 28s

VOYAGER 1

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : AB ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

0155 |-----43 [D]-----|0545

2030 |-----26 [D]-----|0105

DSN COVERAGE HPTXR

32

---45 [D]---|0915

0200 |-----45 [D]-----

HPTXR

RTLT : 19h 43m 46s

1200 RTLT=19h 43m 56s

0000 RTLT=19h 44m 8s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER 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

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 29, 2003
272-273

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

RTLT : 24h 56m 28s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : AB ON

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

31 1345 |----- 54 [D] -----| 1950

DSN COVERAGE HPTXR
32 --- 45 [D] --- | 0910

HPTXR
1200 RTLT=19h 44m 20s 0000 RTLT=19h 44m 32s

RTLT : 19h 44m 8s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

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

VOYAGER 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

ISSUE DATE: 09/22/03 - 08:09

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
SEPTEMBER 30, 2003
273-274

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

RTLTL : 24h 56m 52s

VOYAGER 1

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : AB ON

↓ 2016 ALL DB=.05
↓ 2032 AAI
2033 | - - | 2110 ASCAL
U/L 2300 | - | - - - - - TLC (SHORT-FORM) - - - - -

↓ 2108 RAI
↓ 2110 CRU
↓ 2119 ROLL=.25
↓ 2119 YAW=.10
↓ 2110 GYROS OFF

PWS/RH 0559 | 0600

▼ 2215 DUMMY (23:12)

0559
GS-4B 0600

FDS MODE	CR-5T	2001	2113	EL-40	CR-5T	CR-5T
XB DATA RATE (MI)	160(32)			40(30)	160(32)	

DSN COVERAGE	31	1340 - - - - - 54 [D] - - - - - 1930	1910 - - - - - 14 [T,4] - - - - - 0020	0030 - - - - - 24 [D] - - - - - 0400
HPTXR	32	0820 - - - - - 34 [D] - - - - - 1615		

RTLTL : 19h 44m 32s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

0000 RTLTL=19h 44m 56s

0445 | 0446 PWS/RH

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

0445
GS-4B 0446

VOYAGER COVERAGE - - - - - ON CALL - - - - - VGR - - - - - ON CALL - - - - -

NOTES
[1] S/C 31 - D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (2033-2110)
[2] S/C 32=GS-4B @ 0445 XB=2.8K(41) NOT RECOVERABLE
[3] S/C 31=GS-4B @ 0559 XB=2.8K(41) NOT RECOVERABLE
[4] DUAL TLM STREAM SUPPORT

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

ISSUE DATE: 09/22/03 - 08:09

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 1, 2003
274-275

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

RTLT : 24h 57m 14s

1200 RTLT=24h 57m 24s

0000 RTLT=24h 57m 36s

VOYAGER 1

FDSL : 11AF

TLC (SHORT-FORM)

D/L 0125

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1935

26 [D]

0435

1720 54 [D] 1940

DSN COVERAGE HPTXR

32

1035

43 [B]

1735

0310

34 [D]

0125

45 [D]

0330

HPTXR

RTLT : 19h 44m 56s

1200 RTLT=19h 45m 6s

0000 RTLT=19h 45m 18s

VOYAGER 2

▼ 1517 DUMMY (5 MIN BRACKETED 11:03)

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER 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

ISSUE DATE: 09/22/03 - 08:09

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
OCTOBER 2, 2003
275-276

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

RTLT : 24h 57m 36s

1200 RTLT=24h 57m 48s

0000 RTLT=24h 57m 58s

VOYAGER 1

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1445 |----- 54 [D] -----| 1915

2045 |----- 24 [D] -----| 0230

DSN COVERAGE HPTXR

32

----- 34 [D] ----- | 1140

0100 |----- 45 [D] -----

HPTXR

RTLT : 19h 45m 18s

1200 RTLT=19h 45m 30s

0000 RTLT=19h 45m 42s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER 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

ISSUE DATE: 09/22/03 - 08:09

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

FRIDAY
OCTOBER 3, 2003
276-277

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

RTLT : 24h 57m 58s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05 / .10 / .25
 GYROS : OFF

1200 RTLT=24h 58m 10s
 0000 RTLT=24h 58m 20s

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

31 1500 |-----54 [D]-----| 1915
 1930 |-----26 [D]-----| 0155

HPTXR
 DSN COVERAGE 32 ---45 [D]---|0900 0405|-----43 [D]-----

HPTXR

RTLT : 19h 45m 42s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05 / .10 / .25
 GYROS : OFF

1200 RTLT=19h 45m 54s
 0000 RTLT=19h 46m 6s

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

VOYAGER 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

ISSUE DATE: 09/22/03 - 08:09

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
OCTOBER 4, 2003
277-278

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

RTLTL : 24h 58m 20s

1200 RTLTL=24h 58m 32s

0000 RTLTL=24h 58m 42s

VOYAGER 1

1159 | 1200 PWS/RH

FDSL : 11AF

0857 | - | 0925 TAPPOS

1407 | | 1421 TAPPOS

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : OFF

1159
GS-4B 1200

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

31

1325 | - - - - - 54 [D] - - - - -

1930

0150 | - - - - - 43 - - - - -

1925 | - - - - - 26 [D] - - - - - | 2300

DSN COVERAGE
HPTXR

32

43 [D] | 0805

1035 | - - - - - 34 [D] - - - - - | 1605

0340 | - - - - - 34 [D] - - - - -

HPTXR

RTLTL : 19h 46m 6s

1200 RTLTL=19h 46m 18s

0000 RTLTL=19h 46m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

VOYAGER COVERAGE

ON CALL

NOTES

[1] S/C 31=GS-4B @ 1159 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

ISSUE DATE: 09/22/03 - 08:09

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
OCTOBER 5, 2003
278-279

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

RTLT : 24h 58m 42s

1200 RTLT=24h 58m 54s

0000 RTLT=24h 59m 4s

VOYAGER 1

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 43 - 0755

1500 |----- 54 [D] -----| 1925

0125 - 0700 |----- 43 [D] -----

1920 |----- 26 [D] -----| 2315

DSN COVERAGE
HPTXR

32 - - 34 [D] - - | 0855

0045 |----- 45 [D] -----

HPTXR

RTLT : 19h 46m 28s

1200 RTLT=19h 46m 40s

0000 RTLT=19h 46m 52s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER 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