

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: April 16, 2003

For the Period: 04/17/03 to 05/04/03 (03-107 - 03-124)

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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
 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
 (34 – Dist/N: Paper Copies)
 03/27/2003

ISSUE DATE: 04/16/03 - 10:56

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
APRIL 17, 2003
107-108

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 14m 32s

1200 RTLTL=24h 14m 32s

0000 RTLTL=24h 14m 32s

VOYAGER 1

FDSL : 11AF

CCSL : A047
TWNC : ON
SB : OFF XB : HIGH
PYR : .05/ .10/ .25
GYROS : OFF

S/C 31 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -22.359 sec
ROLLREF = RIGIL KENTAURUS

*
↓ 1510 X-BAND LOW POWER
*
↓ 1514 BAY1 HTR ON

▼ 2355 DUMMY (0010)

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31 ----- 26 [D] ----- | 1605
2300 |----- 63 [2] ----- | 0300
25 [D] 0610 |-----

DSN COVERAGE
HPTXR

32 1305 |----- 43 [D] ----- | 1800

HPTXR

RTLTL : 19h 21m 38s

1200 RTLTL=19h 21m 36s

0000 RTLTL=19h 21m 32s

VOYAGER 2

FDSL : 11AF

CCSL : B119
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

S/C 32 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -2:30.111 min
ROLLREF = VEGA

1529 | | 1542 AACs MRO
↓ 1550 GYRO FAULT TEST STOP
1553 | | 1618 CCSB DMRO FCP SWAP TBL U/D LOC
↓ 1600 GYRO INIT
↓ 1600 GYROS BC ON
↓ 1610 GYRO FAULT TEST
* *
AACs MRO 1504 | | 1527 * *
1452 * * 1527 * * 1642 * * 1715
1656 | | 1712 CCS MRO

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

[1] CR-5T [1]
160(32)

CR-5T
160(32)

VOYAGER COVERAGE

----- ON CALL ----- |----- VGR ----- |----- ON CALL ----- |----- VGR ----- |----- ON CALL -----

NOTES

[1] EH-1200, 1.2K(39)
[2] NSP DEMO, TLM AND MON TO FLIGHT BROADCAST AND TDS

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: 04/16/03 - 10:56

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
APRIL 18, 2003
108-109

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 14m 32s

1200 | RTLTL=24h 14m 32s

0000 | RTLTL=24h 14m 32s

0049 | 0050 PWS/RH

VOYAGER 1

FDSL : 11AF

2147 | 2148 TAPPOS

0257 | 0311 TAPPOS

CCSL : A047
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

0049
GS-4B 0050

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

CR-5T

160(32)

31

----- 25 [D] ----- | 1445

2355 | ----- 54 [D] ----- | 0525

HPTXR
DSN COVERAGE

32

1200 | ----- 43 [D] ----- | 1700

0030 | ----- 43 [D] ----- | 0430

HPTXR

RTLTL : 19h 21m 32s

1200 | RTLTL=19h 21m 28s

0000 | RTLTL=19h 21m 26s

VOYAGER 2

FDSL : 11AF

CCSL : B119
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 31=GS-4B @ 0049 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: 04/16/03 - 10:56

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
APRIL 19, 2003
109-110

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 14m 32s

1200 RTLT=24h 14m 32s

0000 RTLT=24h 14m 32s

VOYAGER 1

FDSL : 11AF

CCSL : A047

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

0815 |----- 26 [D] -----| 1600

26 [D] 0605 |-----

DSN COVERAGE
HPTXR

32

1130 |----- 43 [D] -----| 1625

HPTXR

RTLT : 19h 21m 26s

1200 RTLT=19h 21m 22s

0000 RTLT=19h 21m 20s

VOYAGER 2

FDSL : 11AF

CCSL : B119

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : ON

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: 04/16/03 - 10:56

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
APRIL 20, 2003
110-111

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 14m 32s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A047
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

↓ 1108 SLEW->HELIO-1B

1200 RTLT=24h 14m 32s | 0000 RTLT=24h 14m 32s

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

31 ----- 26 [D] ----- | 1555 |----- 0550 | 26 [D] |

DSN COVERAGE HPTXR
 32 1125 |----- 43 [D] ----- | 1800

HPTXR 2235 |----- 43 [o] ----- | 0125

RTLT : 19h 21m 20s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B119
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : ON

1200 RTLT=19h 21m 16s | 0000 RTLT=19h 21m 14s

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: 04/16/03 - 10:56

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
APRIL 21, 2003
111-112

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 14m 32s

1200 RTLT=24h 14m 32s

0000 RTLT=24h 14m 32s

VOYAGER 1

↓ 1108 SLEW->HELIO-2B

FDSL : 11AF

CCSL : A047
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 ----- 26 [D] ----- | 0950

0555 | 26 [D]

DSN COVERAGE HPTXR

32

1235 | ----- 43 [D] ----- | 2145

HPTXR

RTLT : 19h 21m 14s

1200 RTLT=19h 21m 10s

0000 RTLT=19h 21m 6s

VOYAGER 2

FDSL : 11AF

CCSL : B119
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

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: 04/16/03 - 10:56

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
APRIL 22, 2003
112-113

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 14m 32s

1200 RTLTL=24h 14m 32s

0000 RTLTL=24h 14m 32s

VOYAGER 1

↓ 1108 SLEW->HELIO-3B

1825 | 1826 PWS/RH

FDSL : 11AF

CCSL : A047
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1825
GS-4B 1826

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

31

----- 26 [D] ----- | 1445

0550 | 26 [D] |

DSN COVERAGE
HPTXR

32

1745 | ----- 34 [D] ----- | 2115

2240 | ----- 43 [D] ----- | 0415

HPTXR

RTLTL : 19h 21m 6s

1200 RTLTL=19h 21m 4s

0000 RTLTL=19h 21m 0s

VOYAGER 2

1721 | 1722 PWS/RH

FDSL : 11AF

↓ 1500 GYRO INIT

CCSL : B119
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

1721
GS-4B 1722

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 @ 1721 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 1825 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: 04/16/03 - 10:56

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
APRIL 23, 2003
113-114

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 14m 32s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A047
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=24h 14m 32s
 0000 RTLT=24h 14m 32s

↓ 1108 SLEW->HELIO-4B

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

31 ----- 26 [D] ----- | 1540

DSN COVERAGE HPTXR

32 1820 |----- 45 [D,1] -----| 2220
 2200 |----- 43 [B] -----| 0115

HPTXR

RTLT : 19h 21m 0s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B119
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : ON

1200 RTLT=19h 20m 58s
 0000 RTLT=19h 20m 54s

▼ 2227 DUMMY (5 MIN BRACKETED 17:48)

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

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

NOTES
 [1] NSP DEMO, TLM AND MON TO FLIGHT BROADCAST AND TDS

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: 04/16/03 - 10:56

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
APRIL 24, 2003
114-115

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 14m 32s

1200 RTLT=24h 14m 34s

0000 RTLT=24h 14m 34s

VOYAGER 1

↓ 1108 SLEW->HELIO-5B

FDSL : 11AF

▼ 1520 DUMMY (15:35)

CCSL : A047
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1225 |----- 43 -----| 1630

0135 |----- 65 [D] -----|

DSN COVERAGE
HPTXR

32

1740 |----- 34 [D] -----| 0000

0035 |----- 43 [D] -----| 0415

HPTXR

RTLT : 19h 20m 54s

1200 RTLT=19h 20m 52s

0000 RTLT=19h 20m 48s

VOYAGER 2

FDSL : 11AF

CCSL : B119
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

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: 04/16/03 - 10:56

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
APRIL 25, 2003
115-116

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 14m 34s

1200 RTLTL=24h 14m 34s

0000 RTLTL=24h 14m 34s

VOYAGER 1

↓ 1108 SLEW->HELIO-6B

0025 | 0026 PWS/RH

FDSL : 11AF

2123 | 2124 TAPPOS

0233 | 0247 TAPPOS

CCSL : A047
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

U/L 1330 | - - - - - TLC (SHORT-FORM) - - - - -

0025
GS-4B 0026

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

31 65 [D] | 0810

1045 | - - - - - 24 [T] - - - - - | 1540

0130 | - - - - - 65 [D] - - - - -

DSN COVERAGE
HPTXR

32

2005 | - - - - - 43 [D] - - - - - | 0400

HPTXR

RTLTL : 19h 20m 48s

0748 | - - - - - COMMAND MORATORIUM - - - - - |

1200 RTLTL=19h 20m 46s

0000 RTLTL=19h 20m 42s

VOYAGER 2

↓ 2040 AAI

FDSL : 11AF

2043 | - - - - - MAGROL - - - - - | 0239

CCSL : B119
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

↓ 0231 RAI

↓ 0239 CRU

↓ 0239 GYROS OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

VOYAGER COVERAGE

- - - - - ON CALL - - - - - | - - - - - VGR - - - - - | - - - - - ON CALL - - - - -

NOTES

- [1] S/C 31=GS-4B @ 0025 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (2043-0239)

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: 04/16/03 - 10:56

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
APRIL 26, 2003
116-117

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 14m 34s

1200 RTLT=24h 14m 36s

0000 RTLT=24h 14m 36s

VOYAGER 1

↓ 1108 SLEW->HELIO-7B

FDSL : 11AF

CCSL : A047

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

----- TLC (SHORT-FORM) ----- | D/L -| 1512

FDS MODE

CR-5T

XB DATA RATE (MI)

160(32)

31 65 [D] | 0810

26 [D] 0645 |

0750 |----- 26 [D] -----| 1530

2115 |----- 63 [D] -----| 0115

DSN COVERAGE HPTXR

2230 |----- 43 [D] -----| 0345

32

HPTXR

RTLT : 19h 20m 42s

1200 RTLT=19h 20m 40s

0000 RTLT=19h 20m 36s

VOYAGER 2

----- COMMAND MORATORIUM -----

FDSL : 11AF

CCSL : B119

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: 04/16/03 - 10:56

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
APRIL 27, 2003
117-118

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 14m 36s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A047
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

↓ 1108 SLEW->HELIO-8B

1200 RTLT=24h 14m 36s
 0000 RTLT=24h 14m 36s

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

31 ----- 26 [D] ----- 1530 0525 -- 26 [D] --

HPTXR

DSN COVERAGE

32 1700 |----- 45 [D,1] -----| 2100

HPTXR

RTLT : 19h 20m 36s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B119
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

0718 COMMAND MORATORIUM

1200 RTLT=19h 20m 34s
 0000 RTLT=19h 20m 32s

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

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

NOTES
 [1] NSP DEMO, TLM AND MON TO FLIGHT BROADCAST AND TDS

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: 04/16/03 - 10:56

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
APRIL 28, 2003
118-119

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 14m 38s
VOYAGER 1
FDSL : 11AF
CCSL : A047
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=24h 14m 38s
0000 RTLT=24h 14m 38s

↓ 1108 SLEW->HELIO-9B

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

31 ----- 26 [D] ----- 1525 ----- 2145 ----- 65 [D] -----
HPTXR
DSN COVERAGE
32 ----- 1730 ----- 34 [o] ----- 2245 -----
HPTXR

RTLT : 19h 20m 32s
VOYAGER 2
FDSL : 11AF
CCSL : B119
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=19h 20m 28s
0000 RTLT=19h 20m 26s

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: 04/16/03 - 10:56

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 APRIL 29, 2003 119-120	
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 14m 38s VOYAGER 1 FDSL : 11AF CCSL : A047 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=24h 14m 40s ↓ 1108 SLEW->HELIO-10B 1801 1802 PWS/RH U/L 0030 - ----- TLC (SHORT-FORM) ----- ▼ 2230 DUMMY (22:45) 1802 GS-4B 1802 FDS MODE CR-5T CR-5T XB DATA RATE (MI) 160(32) 160(32)
31 DSN COVERAGE HPTXR 32 HPTXR	0750 65 [D] 26 [D] 0730 - 1445 2130 ----- 63 [T] ----- 0105 1045 ----- 43 [B] ----- 2030 2230 ----- 34 [D] ----- 0230 0520 - 25 [D] - -
RTLT : 19h 20m 26s VOYAGER 2 FDSL : 11AF CCSL : B119 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=19h 20m 22s 1657 1658 PWS/RH ▼ 1822 DUMMY (5 MIN BRACKETED 13:43) 1657 GS-4B 1658 FDS MODE CR-5T CR-5T XB DATA RATE (MI) 160(32) 160(32)
VOYAGER COVERAGE	----- ON CALL ----- - VGR - - ON CALL - - VGR - ----- ON CALL -----
NOTES	[1] S/C 32=GS-4B @ 1657 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 1802 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: 04/16/03 - 10:56

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
APRIL 30, 2003
120-121

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 14m 40s

1200 RTLTL=24h 14m 42s

0000 RTLTL=24h 14m 42s

VOYAGER 1

FDSL : 11AF

TLC (SHORT-FORM)

D/L -| 0212

↓ 2308 SLEW->MIDPNT

CCSL : A047

1017 | PLSCAL -| 1159

TWNC : ON

1017 | --- MAGCAL --- | 1319

SB : OFF XB : LOW

1017 | --- PESCAL --- | 1337

PYR : .05/ .10/ .25

GYROS : OFF

0850 | --- | 1001 TAPPOS

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

----- 25 [D] ----- | 1520

2115 | ----- 63 [D] ----- | 0100

0520 | - - 15 [D] - -

0115 | ----- 65 [D] ----- | 0405

DSN COVERAGE
HPTXR

32

1045 | ----- 43 [D] ----- | 1625

1455 | ----- 45 [D,1] ----- | 1855

HPTXR

RTLTL : 19h 20m 20s

1200 RTLTL=19h 20m 16s

0000 RTLTL=19h 20m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B119

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] NSP DEMO, TLM AND MON TO FLIGHT BROADCAST AND TDS

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: 04/16/03 - 10:56

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
MAY 1, 2003
121-122

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 14m 42s

VOYAGER 1

FDSL : 11AF

CCSL : A047
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

↓ 0738 BAY 1 HTR OFF
↓ 0742 X/B HI POWER
↓ 0838 YAW=.05

↓ 1537 YAW=.10

0848 |-----PLAYBACK-----| 1522

1200 RTLTL=24h 14m 44s

0000 RTLTL=24h 14m 44s

FDS MODE
XB DATA RATE (MI)

0847	1522
CR-5T	PB-14
160(32)	1.4K(39)
	CR-5T
	160(32)

31

-----15 [D]-----| 1550

0115 |-----65 [D]-----

DSN COVERAGE
HPTXR

32

1545 |-----34 [D]-----| 0235

HPTXR

RTLTL : 19h 20m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B119
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=19h 20m 12s

0000 RTLTL=19h 20m 8s

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

VOYAGER 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

ISSUE DATE: 04/16/03 - 10:56

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
MAY 2, 2003
122-123

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 14m 44s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A047
 TWNC : ON
 SB : OFF XB : HI
 PYR : .05/ .10 / .25
 GYROS : OFF

↓ 0732 GYRO INIT
 ↓ 0732 GYROS BC ON
 ↓ 0742 GYRO FAULT TEST

0836 || 0842 CCSTIM(B)
 ▼ 0855 DUMMY (09:10)
 || 0710 - 0714 TAPPOS

2059 | | 2113 TAPPOS
 0209 | 0209 TAPPOS
 0002 | 0002 PWS/RH

0002 GS-4B
 0002

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

31 ---| 0750 65 [D] 0505 |--- 25 [D] ---
 0830 |----- 14 [2] -----| 1230
 1115 |----- 26 [D] -----| 1510

HPTXR

DSN COVERAGE

32 1725 |--- 34 [D] ---| 1930
 2220 |----- 43 [D] -----| 0205

HPTXR

RTLT : 19h 20m 8s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B119
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=19h 20m 6s
 0000 RTLT=19h 20m 4s

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

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

NOTES [1] S/C 31=GS-4B @ 0002 XB=2.8K(41) NOT RECOVERABLE
[2] NSP DEMO, TLM AND MON TO FLIGHT BROADCAST AND TDS

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: 04/16/03 - 10:56

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
MAY 3, 2003
123-124

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 14m 48s

1200 RTLT=24h 14m 48s

0000 RTLT=24h 14m 50s

VOYAGER 1

FDSL : 11AF

CCSL : A047
TWNC : ON
SB : OFF XB : HI
PYR : .05/ .10 / .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 ----- 25 [D] ----- | 1505

2115 | ----- 63 [D] ----- | 0105

DSN COVERAGE
HPTXR

32 1300 | ----- 45 [D] ----- | 0230

HPTXR

RTLT : 19h 20m 4s

1200 RTLT=19h 20m 0s

0000 RTLT=19h 19m 58s

VOYAGER 2

FDSL : 11AF

CCSL : B119
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: 04/16/03 - 10:56

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
MAY 4, 2003
124-125

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 14m 50s

1200 RTLT=24h 14m 52s

0000 RTLT=24h 14m 52s

VOYAGER 1

FDSL : 11AF

CCSL : A047
TWNC : ON
SB : OFF XB : HI
PYR : .05/ .10 / .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

----- 15 [D] ----- | 0735 - 1535

2120 |----- 63 [D] ----- | 0050

DSN COVERAGE
HPTXR

32

1720 |----- 34 [D] ----- | 2345

HPTXR

RTLT : 19h 19m 58s

1200 RTLT=19h 19m 56s

0000 RTLT=19h 19m 54s

VOYAGER 2

FDSL : 11AF

CCSL : B119
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