

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: June 4, 2003

For the Period: 06/05/03 to 06/22/03 (03-156 - 03-173)

DSN OPSCHIEF (1) 230-102

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FLIGHT TEAM (26) 600-100

- AACS (1) (Medina)
- DSE (3) (Presley)
- Hall, J.
- Hogle, T. (2)
- Howard, S. (3)
- Ludwig, R. (2)
- Massey, Ed
- Matsumoto, S.
- Poynter, R.
- Weeks, T.
- Weiss, C
- Wong, R. (8)
- Zottarelli, L.
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NOPES (1) 507-120
Millner, I

- 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: 06/04/03 - 09:48

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
JUNE 5, 2003
156-157

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 18m 12s

VOYAGER 1

FDSL : 11AF

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

S/C 31 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -22.298 sec

ROLLREF = RIGIL
KENTAURUS

↓ 2017 ALL DB=.05
↓ 2033 AAI
2034 | - | 2111 ASCAL
↓ 2108 RAI
↓ 2111 CRU
↓ 2119 ROLL=.25
↓ 2119 YAW=.10
U/L 2050 | - | ----- TLC (SHORT-FORM) -----
↓ 2111 GYROS OFF
↓ 2139 PLS SUPL HTR ON

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

31 --- 14 [D] --- 0900
0840 | ----- 26 [D] ----- | 1255
HPTXR 1825 | ----- 63 [T] ----- | 2345
DSN COVERAGE
32 0855 | ----- 45 [D] ----- | 1220
HPTXR 1540 | ----- 43 [D] ----- | 1940

RTLTL : 19h 18m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B120
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: -2:35.775 min

ROLLREF = VEGA

* *
1654 | | 1704 AACs MRO

* *
1710 | - | 1735 CCSTIM

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

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

NOTES [1] S/C 31 - D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (2034-2111)

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: 06/04/03 - 09:48

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

| | |
|--|---|
| <p>FRIDAY JUNE 6, 2003 157-158</p> | |
| <p>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</p> <p>RTLTL : 24h 18m 22s VOYAGER 1 FDSL : 11AF CCSL : A047 TWNC : ON SB : OFF XB : LOW PYR : .05 / .10 / .25 GYROS : OFF</p> <p>FDS MODE XB DATA RATE (MI)</p> | <p>1200 RTLTL=24h 18m 28s</p> <p>0810 SLEW->HELIO-20B</p> <p>1901 1914 TAPPOS</p> <p>2203 2204 PWS/RH</p> <p>0011 0011 TAPPOS</p> <p>↓ 1916 PLS SUPL HTR OFF ↓ 1922 PLS ON ↓ 1923 PLS CONFIG AJ00 ↓ 1930 PLS CONFIG AJ15</p> <p>↓ 2202 PLS CONFIG AJ10/11 ↓ 2208 PLS CONFIG AJ15</p> <p>----- TLC (SHORT-FORM) ----- † D/L - 2236</p> <p>2203 GS-4B 2204</p> <p>CR-5T CR-5T</p> <p>160(32) 160(32)</p> <p>31 ----- 15 [D] ----- 1320</p> <p>1845 ----- 63 [D] ----- 2240</p> <p>0250 ----- 26 [D] -----</p> <p>DSN COVERAGE HPTXR</p> <p>32 0850 ----- 45 [D] ----- 1345</p> <p>1620 ----- 34 [o] ----- 0020</p> <p>HPTXR</p> |
| <p>RTLTL : 19h 18m 28s VOYAGER 2 FDSL : 11AF CCSL : B120 TWNC : ON SB : OFF XB : LOW PYR : .05 / .10 / .25 GYROS : OFF</p> <p>FDS MODE XB DATA RATE (MI)</p> | <p>1200 RTLTL=19h 18m 28s</p> <p>0000 RTLTL=19h 18m 28s</p> <p>CR-5T</p> <p>160 (32)</p> |
| <p>VOYAGER COVERAGE</p> | <p>----- ON CALL ----- † - VGR - † ----- ON CALL -----</p> |
| <p>NOTES</p> | <p>[1] S/C 31=GS-4B @ 2203 XB=2.8K(41) NOT RECOVERABLE</p> |

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: 06/04/03 - 09:48

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
JUNE 7, 2003
158-159

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 18m 34s

↓ 0810 SLEW->HELIO-19A

1200 RTLT=24h 18m 38s

0000 RTLT=24h 18m 44s

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 ----- 26 [D] ----- | 1025

1910 |----- 65 [D] ----- | 0000

0420 |----- 26 [D] -----

DSN COVERAGE
HPTXR

32 1115 |----- 34 [D] ----- | 2100

HPTXR

RTLT : 19h 18m 28s

1200 RTLT=19h 18m 28s

0000 RTLT=19h 18m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B120
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: 06/04/03 - 09:48

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
JUNE 8, 2003
159-160

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 18m 44s

↓ 0810 SLEW->HELIO-18A

1200 RTLT=24h 18m 50s

0000 RTLT=24h 18m 54s

VOYAGER 1

FDSL : 11AF

↓ 0950 PLS CONFIG AJ14

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] ---- | 0945

0245 |----- 26 [D] -----

HPTXR

0925 | - - 43 [D] - - | 1125

2035 |----- 54 [D] ----- | 0315

DSN COVERAGE

32

1015 |----- 34 [D] ----- | 1415

HPTXR

RTLT : 19h 18m 28s

1200 RTLT=19h 18m 28s

0000 RTLT=19h 18m 30s

VOYAGER 2

FDSL : 11AF

CCSL : B120
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: 06/04/03 - 09:48

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
JUNE 9, 2003
160-161

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 18m 54s

↓ 0810 SLEW->HELIO-17A

1200 RTLT=24h 19m 0s

0000 RTLT=24h 19m 6s

VOYAGER 1

FDSL : 11AF

↓ 0950 PLS CONFIG AJ10

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] -| 0820 0815 |----- 14 [D] -----| 1155 1805 |----- 63 [D] -----| 0000 0240 |----- 15 [D] -----|

HPTXR

DSN COVERAGE

32 0800 |----- 43 [D] -----| 1150 1655 |----- 34 [D] -----| 2340

HPTXR

RTLT : 19h 18m 30s

1200 RTLT=19h 18m 30s

0000 RTLT=19h 18m 30s

VOYAGER 2

FDSL : 11AF

CCSL : B120
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: 06/04/03 - 09:48

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
JUNE 10, 2003
161-162

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 19m 6s
VOYAGER 1
FDSL : 11AF
CCSL : A047
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : OFF

1200 RTLTL=24h 19m 12s | 0000 RTLTL=24h 19m 18s

↓ 0810 SLEW->HELIO-16A
1540 | 1541 PWS/RH
↓ 0950 PLS CONFIG AJ07 | ↓ 1545 PLS CONFIG AJ11/07

1540 GS-4B | 1541

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

DSN COVERAGE

HPTXR 31
 ---| 0740 15 [D] |-----| 0235 |-----| 26 [D] |-----|
 |-----| 26 [D] |-----| 0720 - 1230 |-----| 1805 |-----| 63 [D] |-----| 2330

HPTXR 32
 1425 |-----| 34 [D] |-----| 2145

RTLTL : 19h 18m 30s
VOYAGER 2
FDSL : 11AF
CCSL : B120
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : OFF

1200 RTLTL=19h 18m 32s | 0000 RTLTL=19h 18m 32s

1432 | 1433 PWS/RH
1432 GS-4B | 1433

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

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

NOTES
 [1] S/C 32=GS-4B @ 1432 XB=2.8K(41) NOT RECOVERABLE
 [2] S/C 31=GS-4B @ 1540 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: 06/04/03 - 09:48

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
JUNE 11, 2003
162-163

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 19m 18s

↓ 0810 SLEW->HELIO-15A

↓ 2040 CCS MEM U/D ECR 102868

VOYAGER 1

2048 | - | 2113 CCS DMRO

FDSL : 11AF

↓ 1817 PLS CONFIG AJ12

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

▼ 1850 DUMMY (19:10)

U/L 2000 | - | ----- TLC SHORT-FORM -----

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 ----- 26 [D] ----- | 1235 1800 | ----- 63 [T] ----- | 2230 0545 | 14 [D] |

DSN COVERAGE
HPTXR

2215 | ----- 54 [D] ----- | 0145

32 1110 | ----- 34 [D] ----- | 2055

HPTXR

RTLT : 19h 18m 32s

1200 RTLT=19h 18m 32s

0000 RTLT=19h 18m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B120
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: 06/04/03 - 09:48

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
JUNE 12, 2003
163-164

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 19m 30s

1200 RTLT=24h 19m 34s

0000 RTLT=24h 19m 40s

VOYAGER 1

↓ 0810 SLEW->HELIO-14A

FDSL : 11AF

↓ 1815 PLS CONFIG AJ13

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

----- TLC SHORT-FORM ----- | D/L -| 2147

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 ----- 14 [D] ----- | 1100

1800 |----- 63 [D] -----| 0000 0200 |----- 15 [D] -----

DSN COVERAGE HPTXR

32 ----- 1330 |----- 43 [B] -----| 0055

HPTXR

RTLT : 19h 18m 34s

1200 RTLT=19h 18m 34s

1812 |----- COMMAND MORATORIUM -----| 0000 RTLT=19h 18m 34s

VOYAGER 2

FDSL : 11AF

▼ 1622 DUMMY (5 MIN BRACKETED 11:41)

CCSL : B120
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: 06/04/03 - 09:48

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
JUNE 13, 2003
164-165

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 19m 40s

1200 RTLT=24h 19m 46s

0000 RTLT=24h 19m 52s

VOYAGER 1

↓ 0810 SLEW->HELIO-13A

2140 | 2141 PWS/RH

FDSL : 11AF

1838 | | 1852 TAPPOS

2347 | 2348 TAPPOS

CCSL : A047

TWNC : ON

SB : OFF XB : LOW

PYR : .05 / .10 / .25

GYROS : OFF

↓ 2142 PLS CONFIG AJ13

2140
GS-4B 2141

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

31

--- 15 [D] --- | 0925

0905 |----- 25 [D] ----- | 1230

0225 |----- 26 [D] -----

1915 |----- 63 [D] ----- | 2315

DSN COVERAGE
HPTXR

32

1055 |----- 34 [D] ----- | 2350

HPTXR

RTLT : 19h 18m 34s

1200 RTLT=19h 18m 36s

0000 RTLT=19h 18m 36s

VOYAGER 2

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

↓ 1301 GYRO INIT

↓ 1301 GYROS BC ON

↓ 1311 GYRO FAULT TEST

FDSL : 11AF

1401 | | 1407 CCSTIM(B)

CCSL : B120

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

[1] S/C 31=GS-4B @ 2140 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: 06/04/03 - 09:48

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
JUNE 14, 2003
165-166

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 19m 52s

1200 RTLT=24h 20m 0s

0000 RTLT=24h 20m 6s

VOYAGER 1

↓ 0811 SLEW->HELIO-12A

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] | 0800

1750 |----- 63 [D] -----| 2335

2315 |----- 54 [D] -----| 0325

DSN COVERAGE
HPTXR

32

1630 |----- 34 [o] -----| 2350

HPTXR

RTLT : 19h 18m 36s

1200 RTLT=19h 18m 38s

0000 RTLT=19h 18m 38s

----- COMMAND MORATORIUM ----- | 1742

VOYAGER 2

FDSL : 11AF

CCSL : B120
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : BC 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: 06/04/03 - 09:48

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
JUNE 15, 2003
166-167

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 20m 6s

↓ 0811 SLEW->HELIO-11A

VOYAGER 1

FDSL : 11AF

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

1200 RTLT=24h 20m 12s

0000 RTLT=24h 20m 18s

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1050 |----- 43 [D] -----| 1450

0230 |----- 15 [D] -----|

DSN COVERAGE
HPTXR

32

0845 |----- 34 [D] -----| 1540

HPTXR

RTLT : 19h 18m 38s

1200 RTLT=19h 18m 40s

0000 RTLT=19h 18m 42s

VOYAGER 2

FDSL : 11AF

CCSL : B120
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : BC 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: 06/04/03 - 09:48

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
JUNE 16, 2003
167-168

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 20m 18s

1200 RTLTL=24h 20m 24s

0000 RTLTL=24h 20m 30s

VOYAGER 1

↓ 1811 SLEW->MIDPNT

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

15 [D]

1150

0330 25 [D]

1130 34 [D] 1410

1745 63 [D] 2245

DSN COVERAGE
HPTXR

32

0810 45 [D] 1515

1455 34 [D] 2100

HPTXR

RTLTL : 19h 18m 42s

1200 RTLTL=19h 18m 42s

0000 RTLTL=19h 18m 44s

VOYAGER 2

FDSL : 11AF

CCSL : B120
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : BC 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: 06/04/03 - 09:48

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
JUNE 17, 2003
168-169

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

VOYAGER 1

↓ 0811 SLEW->HELIO-10A

1516 | 1517 PWS/RH

1517 GS-4B 1517

FDS MODE CR-5T CR-5T

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

DSN COVERAGE HPTXR

31 -----25 [D]----- | 1210 1740 |-----63 [D]----- | 0135 |-----15 [D]-----

32 0810 |-----45 [D]----- | 1150 1620 |-----43 [B]----- | 0035

HPTXR

VOYAGER 2

1200 RTLT=19h 18m 46s 0000 RTLT=19h 18m 46s

↓ 1401 GYRO INIT

1408 | 1409 PWS/RH

▼ 1722 DUMMY (5 MIN BRACKETED 12:41)

1408 GS-4B 1409

FDS MODE CR-5T CR-5T

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

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

NOTES

[1] S/C 32=GS-4B @ 1408 XB=2.8K(41) NOT RECOVERABLE

[2] S/C 31=GS-4B @ 1517 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: 06/04/03 - 09:48

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
JUNE 18, 2003
169-170

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 20m 44s

↓ 0811 SLEW->HELIO-9A

▼ 1850 DUMMY (19:11)

VOYAGER 1

FDSL : 11AF

U/L 2000 | - | - - - - - TLC SHORT-FORM - - - - -

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 - - - - - 15 [D] - - - - - | 1005 - - - - - 0225 | - - - - - 14 - - - - -

0945 | - - - - - 45 [D] - - - - - | 1510

1730 | - - - - - 63 [T] - - - - - | 2315

DSN COVERAGE

HPTXR

32 0830 | - - - - - 34 [D] - - - - - | 2035

HPTXR

RTLTL : 19h 18m 46s

1200 RTLTL=19h 18m 48s

0000 RTLTL=19h 18m 50s

VOYAGER 2

FDSL : 11AF

CCSL : B120
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : BC 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: 06/04/03 - 09:48

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
JUNE 19, 2003
170-171

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 20m 56s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A047
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05 / .10 / .25
 GYROS : OFF

1200 RTLTL=24h 21m 4s
 0811 SLEW->HELIO-8A
 0000 RTLTL=24h 21m 10s

----- TLC SHORT-FORM ----- | D/L | 2148

FDS MODE
 XB DATA RATE (MI)

CR-5T
 160(32)

31 ----- 14 ----- | 1255
 1730 |----- 63 [D] ----- | 2210
 0345 |----- 25 [D] -----

HPTXR
 DSN COVERAGE

32 0825 |----- 34 [D] ----- | 1235
 1535 |----- 34 [D] ----- | 2045

HPTXR

RTLTL : 19h 18m 50s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B120
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05 / .10 / .25
 GYROS : BC ON

1200 RTLTL=19h 18m 52s
 0000 RTLTL=19h 18m 54s
 0121 |----- COMMAND MORATORIUM -----

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: 06/04/03 - 09:48

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
JUNE 20, 2003
171-172

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 21m 10s

↓ 0811 SLEW->HELIO-7A

VOYAGER 1

2117 | 2118 PWS/RH

FDSL : 11AF

1814 | 1829 TAPPOS

2324 | 2325 TAPPOS

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

2117
GS-4B 2118

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

31

----- 25 [D] ----- | 1155

1850 | ----- 63 [D] ----- | 2205

0150 | ----- 25 [D] -----

2145 | --- 54 [D] --- | 0015

DSN COVERAGE
HPTXR

32

1345 | ----- 43 [B] ----- | 0025

HPTXR

RTLTL : 19h 18m 54s

1200 RTLTL=19h 18m 54s

0000 RTLTL=19h 18m 56s

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

VOYAGER 2

↓ 1411 AAI

1414 | ----- MAGROL ----- | 2010

FDSL : 11AF

↓ 2003 RAI

↓ 2010 CRU

↓ 2010 GYROS OFF

CSSL : B120
TWNC : ON
SB : OFF XB : LOW
PYR : .05 / .10 / .25
GYROS : BC ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

----- VGR ----- |

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

NOTES

[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (1414-2010)

[2] S/C 31=GS-4B @ 2117 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: 06/04/03 - 09:48

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
JUNE 21, 2003
172-173

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 21m 24s

↓ 0811 SLEW->HELIO-6A

1200 RTLT=24h 21m 30s

0000 RTLT=24h 21m 38s

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 | 0715 25 [D]

1800 |----- 63 [D] -----| 2240

0240 |----- 26 [D] -----|

2220 |----- 65 [D] -----| 0300

DSN COVERAGE
HPTXR

32 | 0750 |----- 45 [D] -----| 1310

1610 |----- 34 [D] -----| 2315

HPTXR

1200 RTLT=19h 18m 58s

0000 RTLT=19h 19m 0s

RTLT : 19h 18m 56s

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

| 0051

VOYAGER 2

FDSL : 11AF

CCSL : B120
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: 06/04/03 - 09:48

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
JUNE 22, 2003
173-174

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 21m 38s

↓ 0811 SLEW->HELIO-5A

1200 RTLT=24h 21m 44s

0000 RTLT=24h 21m 52s

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

-----26 [D]-----|1145

1720

-----63 [D]-----

|2305

0235 |-----26 [D]-----

HPTXR

DSN COVERAGE

32

|-----45 [D]-----|0745- 1050

1030

-----43 [D]-----

|1745

HPTXR

RTLT : 19h 19m 0s

1200 RTLT=19h 19m 2s

0000 RTLT=19h 19m 4s

VOYAGER 2

FDSL : 11AF

CCSL : B120
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