

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: May 28, 2003

For the Period: 05/29/03 to 06/15/03 (03-149 - 03-166)

**DSN OPSCHIEF (1) 230-102**

**DSOT (3) 230-102**

- \*Zsarina.Bulchand@jpl.nasa.gov
- \*gdyke@airmail.ftops.jpl.nasa.gov
- \*John.M.Grant@jpl.nasa.gov
- \*dmcclena@airmail.ftops.jpl.nasa.gov
- \*Martin.S.Moffit@jpl.nasa.gov
- \*pquach@airmail.ftops.jpl.nasa.gov
- \*mrobles@airmail.ftops.jpl.nasa.gov
- \*rwilliam@airmail.ftops.jpl.nasa.gov

**OTHER (3)**

- Espejo, P. 507-215
- Massey, K. Goldstone/DSCC/61
- Wallace, L 507-215
- \* Byron.G.Yetter@jpl.nasa.gov
- \* Belinda.Arroyo@jpl.nasa.gov
- \* Lisa.K.Tham@jpl.nasa.gov
- \* Karen.E.Yetter@jpl.nasa.gov

**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.
- \*odivers@san.rr.com

**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: 05/28/03 - 10:32

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 29, 2003  
149-150

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 17m 8s

1200 RTLTL=24h 17m 12s

0000 RTLTL=24h 17m 16s

VOYAGER 1

↓ 1230 YAW=.10

↓ 1859 X/B LOW POWER

↓ 1903 BAY 1 HTR ON

FDSL : 11AF

S/C 31 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -22.460 sec
ROLLREF = RIGIL KENTAURUS

2109 |----| 2207 TAPPOS

↓ 2000 GYROS AB ON

↓ 2001 GYRO INIT

↓ 2010 GYRO FAULT TEST

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

----- PLAYBACK ----- | 1220

FDS MODE  
XB DATA RATE (MI)

PB-14

1.4K(39)

1220

CR-5T

160(32)

31 ----- 14 [D] ----- | 1420

1855 |----- 63 [D] ----- | 0000

0320 |----- 26 [D] -----

2340 |----- 54 [D] ----- | 0340

DSN COVERAGE  
HPTXR

32 0845 |----- 43 [D] ----- | 1200

1355 |----- 34 [D] ----- | 0050

HPTXR

RTLTL : 19h 18m 32s

1200 RTLTL=19h 18m 32s

0000 RTLTL=19h 18m 30s

VOYAGER 2

S/C 32 STATUS

FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -2:34.923 min
ROLLREF = VEGA

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

----- 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: 05/28/03 - 10:32

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 30, 2003  
150-151

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 17m 16s

1200 RTLT=24h 17m 20s

0000 RTLT=24h 17m 26s

2227 | 2228 PWS/RH

VOYAGER 1

FDSL : 11AF

1925 | 1938 TAPPOS

0034 | 0035 TAPPOS

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

2227  
GS-4B 2228

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

31

-----26 [D] ----- | 1310

1845 | ----- 63 [D] ----- | 2300

0315 | ----- 26 [D] -----

DSN COVERAGE  
HPTXR

32

1000 | ----- 34 [o] ----- | 0040

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

[1] S/C 31=GS-4B @ 2227 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: 05/28/03 - 10:32

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 31, 2003  
151-152

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 17m 26s

1200 RTLT=24h 17m 30s

0000 RTLT=24h 17m 34s

VOYAGER 1

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

26 [D] -----| 1320

1840 |----- 63 [D] -----| 2355

0430 |--- 26 [D] ---|

DSN COVERAGE  
HPTXR

32

0955 |----- 43 [D] -----| 1330

1705 |----- 45 [D] -----| 2345

HPTXR

RTLT : 19h 18m 30s

1200 RTLT=19h 18m 30s

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: 05/28/03 - 10:32

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 1, 2003  
152-153

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 17m 34s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A047  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10 / .25  
 GYROS : AB ON

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

1200 RTLT=24h 17m 38s  
 0000 RTLT=24h 17m 44s

DSN COVERAGE HPTXR  
 31 -----26 [D]-----|1120  
 1100 |-----43 [D]-----|1445  
 1840 |-----63 [D]-----|2255  
 32 0935 |-----45 [D]-----|0105  
 HPTXR

RTLT : 19h 18m 28s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B120  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

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

1200 RTLT=19h 18m 28s  
 0000 RTLT=19h 18m 28s

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: 05/28/03 - 10:32

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 2, 2003  
153-154

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 17m 44s

1200 RTLT=24h 17m 48s

0000 RTLT=24h 17m 54s

↓ 2101 GYRO INIT

VOYAGER 1

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 --- 26 [D] --- | 0920 0310 |----- 26 [D] -----

0900 |----- 15 [D] -----| 1210

1925 |----- 65 [D] -----| 0020

DSN COVERAGE HPTXR

32 0910 |----- 45 [D] -----| 0100

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

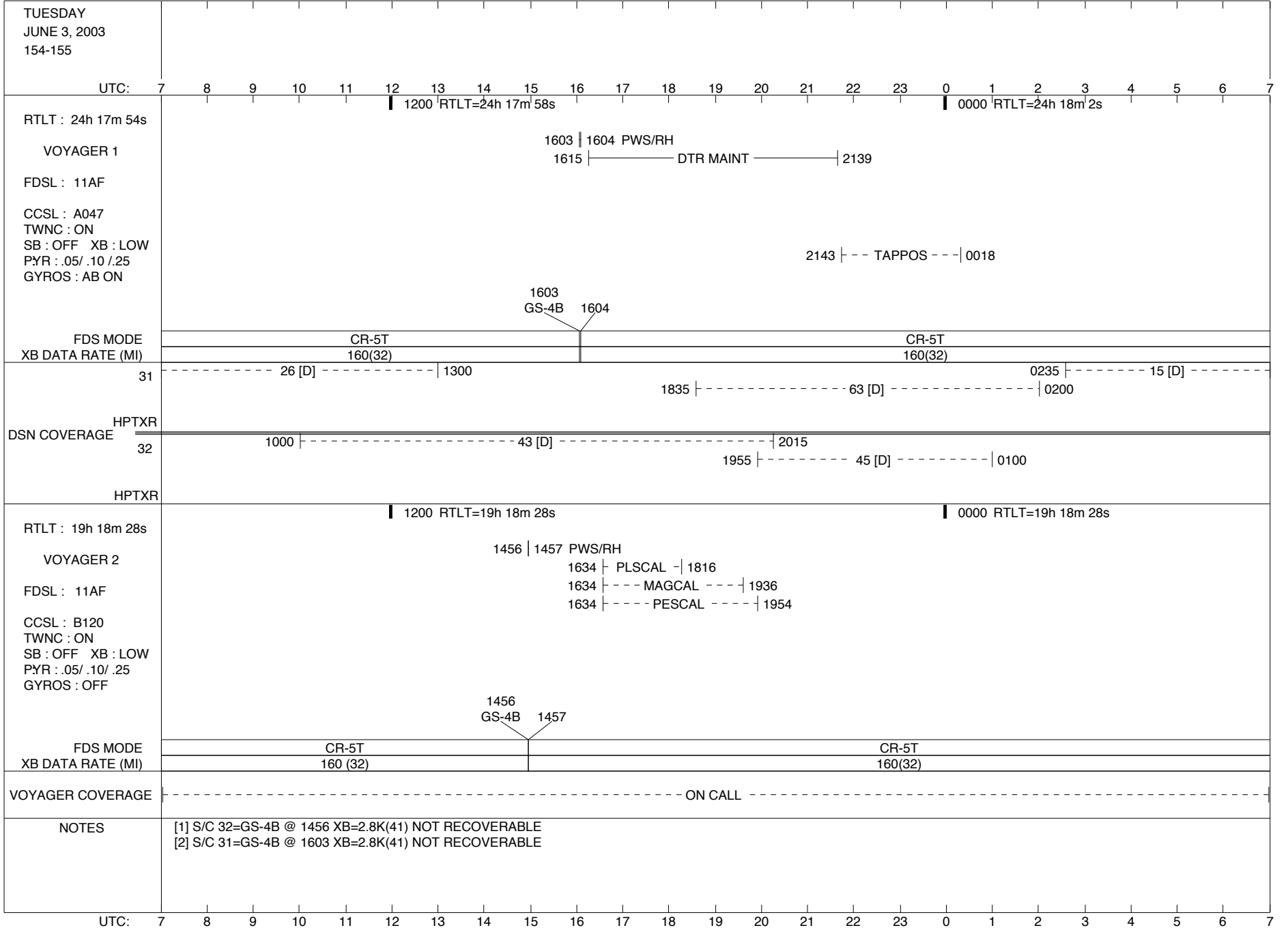
----- ON CALL -----

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: 05/28/03 - 10:32

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



ISSUE DATE: 05/28/03 - 10:32

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 4, 2003  
155-156

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 2s

1200 RTLT=24h 18m 8s

0000 RTLT=24h 18m 12s

VOYAGER 1

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

----- 15 [D] ----- | 1235

1825 | ----- 63 [D] ----- | 2245

0600 | 14 [D]

0255 - 0620 | ----- 26 [D] ----- |

DSN COVERAGE  
HPTXR

32

0835 | ----- 43 [B] ----- | 0130

HPTXR

RTLT : 19h 18m 28s

1200 RTLT=19h 18m 28s

0000 RTLT=19h 18m 28s

VOYAGER 2

▼ 2222 DUMMY CC (5 MIN BRACKETED 17:41)

FDSL : 11AF

▼ 2152 CCSTIM C/F (17:10)

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

▼ 2130 AACS CLEANUP/MRO (16:43)

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: 05/28/03 - 10:32

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

1200 RTLTL=24h 18m 18s

0000 RTLTL=24h 18m 22s

VOYAGER 1

FDSL : 11AF

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

DUMMY (20:03) 1945 ▼

↓ 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

2002 2114

FDS MODE  
XB DATA RATE (MI)

CR-5T

EL-40

CR-5T

160(32)

40(30)

160(32)

31 --- 14 [D] --- | 0900

0840 | ----- 26 [D] ----- | 1255

1825 | ----- 63 [T] ----- | 2345

DSN COVERAGE  
HPTXR

32

0855 | ----- 45 [D] ----- | 1220

1540 | ----- 43 [D] ----- | 1940

HPTXR

RTLTL : 19h 18m 28s

1200 RTLTL=19h 18m 28s

0000 RTLTL=19h 18m 28s

VOYAGER 2

FDSL : 11AF

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

\* \*  
1654 | | 1704 AACS MRO

\* \*  
1710 | - | 1735 CCSTIM

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

----- ON CALL ----- + -- VGR -- + ON CALL + ----- 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: 05/28/03 - 10:32

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 6, 2003  
157-158

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 22s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A047  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05 / .10 / .25  
GYROS : OFF

1200 RTLT=24h 18m 28s  
0000 RTLT=24h 18m 34s

↓ 0810 SLEW->HELIO-20B  
1901 | 1914 TAPPOS  
2203 | 2204 PWS/RH  
0011 | 0011 TAPPOS

↓ 1916 PLS SUPL HTR OFF  
↓ 1922 PLS ON  
↓ 1923 PLS CONFIG  
↓ 1930 PLS CONFIG  
↓ 2202 PLS CONFIG  
↓ 2208 PLS CONFIG

----- TLC (SHORT-FORM) ----- + D/L -| 2236

2203 GS-4B 2204

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

31 ----- 15 [D] ----- | 1320  
1845 |----- 63 [D] ----- | 2240  
0250 |----- 26 [D] -----

DSN COVERAGE HPTXR  
32 0850 |----- 45 [D] ----- | 1345  
1620 |----- 34 [o] ----- | 0020

HPTXR

RTLT : 19h 18m 28s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B120  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05 / .10 / .25  
GYROS : OFF

1200 RTLT=19h 18m 28s  
0000 RTLT=19h 18m 28s

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

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

NOTES [1] S/C 31=GS-4B @ 2203 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: 05/28/03 - 10:32

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

1200 RTLT=24h 18m 38s

0000 RTLT=24h 18m 44s

VOYAGER 1

↓ 0810 SLEW->HELIO-19A

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: 05/28/03 - 10:32

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

VOYAGER 1

FDSL : 11AF

↓ 0950 PLS CONFIG

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: 05/28/03 - 10:32

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

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

0240 |----- 15 [D] -----

0815 |----- 14 [D] -----| 1155

1805 |----- 63 [D] -----| 0000

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: 05/28/03 - 10:32

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

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

↓ 0810 SLEW->HELIO-16A

1540 | 1541 PWS/RH

↓ 0950 PLS CONFIG

↓ 1545 PLS CONFIG

1540  
GS-4B 1541

31 |-----| 0740 15 [D] |-----| 0235 |-----| 26 [D] |-----|

|-----| 26 [D] |-----| 0720 - 1230

1805 |-----| 63 [D] |-----| 2330

DSN COVERAGE  
HPTXR

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

HPTXR

RTLTL : 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)

CR-5T  
160(32)

1200 RTLTL=19h 18m 32s

0000 RTLTL=19h 18m 32s

1432 | 1433 PWS/RH

1432  
GS-4B 1433

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: 05/28/03 - 10:32

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

RTLTL : 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

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 0600 | 14 [D]

DSN COVERAGE  
HPTXR

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

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

HPTXR

RTLTL : 19h 18m 32s

1200 RTLTL=19h 18m 32s

0000 RTLTL=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: 05/28/03 - 10:32

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

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: 05/28/03 - 10:32

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

RTLTL : 24h 19m 40s

1200 RTLTL=24h 19m 46s

0000 RTLTL=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

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] -----

HPTXR

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

DSN COVERAGE

32

1055 |----- 45 [D] ----- | 1355

1605 |----- 34 [D] ----- | 2350

HPTXR

1200 RTLTL=19h 18m 36s

0000 RTLTL=19h 18m 36s

RTLTL : 19h 18m 34s

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

VOYAGER 2

↓ 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: 05/28/03 - 10:32

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

↓ 0811 SLEW->HELIO-12A

1200 RTLT=24h 20m 0s

0000 RTLT=24h 20m 6s

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] | 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  
COMMAND MORATORIUM -----| 1742

0000 RTLT=19h 18m 38s

VOYAGER 2

FDSL : 11AF

CCSL : B120  
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: 05/28/03 - 10:32

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

1200 RTLT=24h 20m 12s

0000 RTLT=24h 20m 18s

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

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

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 : 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