

ISSUE DATE: 04/29/03 - 13:52

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

S/C 31 STATUS

▼ 1520 DUMMY (15:35)

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

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -22.396 sec

ROLLREF = RIGIL  
KENTAURUS

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

S/C 32 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -2:30.729 min

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

ROLLREF = VEGA

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: 04/29/03 - 13:52

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

1200 RTLTL=24h 14m 34s  
0000 RTLTL=24h 14m 34s

↓ 1108 SLEW->HELIO-6B

0025 | 0026 PWS/RH  
2123 | 2124 TAPPOS 0233 | 0247 TAPPOS

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

FDS MODE CR-5T CR-5T  
XB DATA RATE (MI) 160 (32) 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  
VOYAGER 2  
FDSL : 11AF  
CCSL : B119  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : BC ON

1200 RTLTL=19h 20m 46s  
0000 RTLTL=19h 20m 42s

0748 | - - - - - COMMAND MORATORIUM - - - - -  
↓ 2040 AAI  
2043 | - - - - - MAGROL - - - - - | 0239  
↓ 0231 RAI  
↓ 0239 CRU  
↓ 0239 GYROS OFF

FDS MODE CR-5T  
XB DATA RATE (MI) 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: 04/29/03 - 13:52

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: 04/29/03 - 13:52

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

1200 RTLT=24h 14m 36s

0000 RTLT=24h 14m 36s

VOYAGER 1

↓ 1108 SLEW->HELIO-8B

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] ----- | 1530

0525 | - - 26 [D] - -

DSN COVERAGE  
HPTXR

32

1100 | ----- 43 [D] ----- | 1700

HPTXR

RTLT : 19h 20m 36s

| 0718 COMMAND MORATORIUM

1200 RTLT=19h 20m 34s

0000 RTLT=19h 20m 32s

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: 04/29/03 - 13:52

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

1200 RTLT=24h 14m 38s

0000 RTLT=24h 14m 38s

VOYAGER 1

↓ 1108 SLEW->HELIO-9B

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]-----| 1525

2145 |-----65 [D]-----

DSN COVERAGE  
HPTXR

32

1335 |-----34 [o]-----| 2245

HPTXR

RTLT : 19h 20m 32s

1200 RTLT=19h 20m 28s

0000 RTLT=19h 20m 26s

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: 04/29/03 - 13:52

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

RTLTL : 24h 14m 38s

1200 RTLTL=24h 14m 40s

0000 RTLTL=24h 14m 40s

VOYAGER 1

↓ 1108 SLEW->HELIO-10B

1801 || 1802 PWS/RH

U/L 0030 | - | ----- TLC (SHORT-FORM) -----

FDSL : 11AF

▼ 2230 DUMMY (22:45)

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

1802  
GS-4B 1802

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

31 -----| 0750 65 [D] ----- 26 [D] -----| 0730 - 1445 ----- 2130 | ----- 63 [T] -----| 0105 ----- 0520 | - - 25 [D] - -

DSN COVERAGE  
HPTXR

32

1045 | ----- 43 [B] ----- | 2030

2230 | ----- 34 [D] ----- | 0230

HPTXR

RTLTL : 19h 20m 26s

1200 RTLTL=19h 20m 22s

0000 RTLTL=19h 20m 20s

VOYAGER 2

1657 | 1658 PWS/RH

▼ DUMMY (5 MIN BRACKETED 13:43)

FDSL : 11AF

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

1657  
GS-4B 1658

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

CR-5T  
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: 04/29/03 - 13:52

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

CCSL : A047

1017 | PLSCAL -| 1159

↓ 2308 SLEW->MIDPNT

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

1100 | ----- 43 ----- | 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

▼ 1542 DUMMY (NO D/L)

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: 04/29/03 - 13:52

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-----

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: 04/29/03 - 13:52

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

1200 RTLT=24h 14m 46s

0000 RTLT=24h 14m 48s

VOYAGER 1

↓ 0732 GYRO INIT  
↓ 0732 GYROS BC ON

FDSL : 11AF

U/L 1200 | - | - - - - - TLC (SHORT-FORM) - - - - -

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

↓ 0742 GYRO FAULT TEST

2059 | | 2113 TAPPOS

0209 | 0209 TAPPOS

0836 | | 0842 CCSTIM(B)

0002 | 0002 PWS/RH

| | 0710 - 0714 TAPPOS

▼ 0855 DUMMY (09:10)

0002  
GS-4B 0002

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

31 - - - - | 0750 65 [D] 0505 | - - 25 [D] - -

0830 | - - - - - 14 [T,2] - - - - - | 1230  
1115 | - - - - - 26 [D] - - - - - | 1510

DSN COVERAGE  
HPTXR

32

1725 | - - - 34 [D] - - - | 1930

2220 | - - - - - 43 [D] - - - - - | 0205

HPTXR

RTLT : 19h 20m 8s

1200 RTLT=19h 20m 6s

0000 RTLT=19h 20m 4s

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

- - - 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: 04/29/03 - 13:52

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

----- TLC (SHORT-FORM) ----- | D/L | 1343

CCSL : A047  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10 / .25  
GYROS : BC 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: 04/29/03 - 13:52

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

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

1200 RTLT=24h 14m 52s 0000 RTLT=24h 14m 52s

31 |-----15 [D]-----|0735- 1535 0235 |-----65 [D]-----|

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

DSN COVERAGE

32 |-----1720-----34 [D]-----|2345

HPTXR

RTLT : 19h 19m 58s  
 VOYAGER 2  
 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)

1200 RTLT=19h 19m 56s 0000 RTLT=19h 19m 54s

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: 04/29/03 - 13:52

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  
MAY 5, 2003  
125-126

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 52s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A047  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05/ .10 / .25  
 GYROS : BC ON

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

1200 RTLT=24h 14m 54s | 0000 RTLT=24h 14m 56s

DSN COVERAGE HPTXR

31 | 0735 65 [D] | 15 [D] | 0715 - 1305 | 2300 | 54 [D,1] | 0425 | 15 [D] | 0300  
 | 2035 | 63 [D] | 0100

32 | 1020 | 43 [D] | 1235 | 1230 | 34 [o] | 2145

HPTXR

RTLT : 19h 19m 54s  
 VOYAGER 2  
 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)

1200 RTLT=19h 19m 50s | 0000 RTLT=19h 19m 48s

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

NOTES [1] NSP DEMO, TLM AND MON TO FLIGHT BROADCASTS 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: 04/29/03 - 13:52

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  
MAY 6, 2003  
126-127

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

1200 RTLTL=24h 14m 58s | 0000 RTLTL=24h 15m 0s

↓ 0848 ALL DB=.05  
↓ 0904 AAI  
0905 | - - | 0942 ASCAL  
↓ 0939 RAI  
↓ 0942 CRU  
↓ 0950 ROLL=.25  
↓ 0950 YAW=.10  
↓ 0952 GYRO FAULT TEST

1738 | 1738 PWS/RH

0833 0945

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

1738 GS-4B 1738

31 ----- 15 [D] ----- | 1525

DSN COVERAGE HPTXR

32 ----- 1055 | ----- 45 [D] ----- | 0245

HPTXR

RTLTL : 19h 19m 48s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B119  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10 / .25  
GYROS : OFF

1200 RTLTL=19h 19m 46s | 0000 RTLTL=19h 19m 44s

1633 | 1633 PWS/RH  
1810 | PLSCAL - | 1953  
1810 | - - - - MAGCAL - - - - | 2113  
1810 | - - - - - PESCAL - - - - - | 2130

1633 GS-4B 1633

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

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

NOTES  
[1] S/C 31 - D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (0905-0942)  
[2] S/C 32=GS-4B @ 1633 XB=2.8K(41) NOT RECOVERABLE  
[3] S/C 31=GS-4B @ 1738 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: 04/29/03 - 13:52

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  
MAY 7, 2003  
127-128

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 15m 0s

1200 RTLT=24h 15m 0s

0000 RTLT=24h 15m 2s

VOYAGER 1

FDSL : 11AF

U/L 0045 | - | - - - - - TLC (SHORT-FORM) - - - - -

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

▼ 2345 DUMMY (NO D/L)

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

0915 | - - - - - 14 [D,1] - - - - - | 1315

0850 | - - - - - 15 [D] - - - - - | 1520

2045 | - - - - - 63 [D] - - - - -

0450 | - - - 26 [D] - - -

0435

2310 | - - - - - 54 [T,1] - - - - - | 0310

DSN COVERAGE  
HPTXR

32

1320 | - - - - - 34 [D] - - - - - | 2100

2010 | - - - - - 43 [B] - - - - - | 0320

HPTXR

RTLT : 19h 19m 44s

1200 RTLT=19h 19m 40s

0000 RTLT=19h 19m 38s

VOYAGER 2

FDSL : 11AF

▼ 2222 DUMMY (5 MIN BRACKETED 17:42)

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 - - - - - + - - - - VGR - - - - + - - - - ON CALL - - - - -

NOTES

[1] NSP DEMO, TLM AND MON TO FLIGHT BROADCASTS 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: 04/29/03 - 13:52

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 8, 2003  
128-129

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 15m 2s

1200 RTLT=24h 15m 4s

0000 RTLT=24h 15m 6s

VOYAGER 1

FDSL : 11AF

TLC (SHORT-FORM)

D/L -|0228

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

26 [D]

1450

2130

65 [D]

DSN COVERAGE  
HPTXR

32

1200

45 [D]

2205

HPTXR

RTLT : 19h 19m 38s

1200 RTLT=19h 19m 36s

0000 RTLT=19h 19m 34s

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: 04/29/03 - 13:52

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 9, 2003  
129-130

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 15m 6s

VOYAGER 1

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

1200 RTLTL=24h 15m 8s

0000 RTLTL=24h 15m 10s

↓ 0842 AAI  
0845 |-----

MAGROL -----| 1441

↓ 1434 RAI

↓ 1441 CRU

↓ 1441 GYROS OFF

2035 | | 2049 TAPPOS

0145 | 0145 TAPPOS

2338 | 2339 PWS/RH

2338  
GS-4B 2339

CR-5T

160(32)

CR-5T

160(32)

31 | 0720 65 [D]

|----- 15 [D] -----| 0745- 1515

24 [D] 0645 |

DSN COVERAGE  
HPTXR

32

1710 |----- 45 [D] -----| 0235

HPTXR

1115 |----- 34 [D] -----| 1620

RTLTL : 19h 19m 34s

VOYAGER 2

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

1200 RTLTL=19h 19m 32s

0000 RTLTL=19h 19m 30s

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

- [1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0845-1441)
- [2] S/C 31=GS-4B @ 2338 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: 04/29/03 - 13:52

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 10, 2003  
130-131

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 15m 10s

1200 RTLTL=24h 15m 12s

0000 RTLTL=24h 15m 14s

VOYAGER 1

↓ 1108 SLEW->HELIO-11B

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

----- 24 [D] ----- | 1200

2130 |----- 63 [D] -----| 0040

0330 |----- 65 [D] -----

DSN COVERAGE  
HPTXR

32

1000 |---- 43 [D] ----| 1230

1215 |----- 34 [D] -----| 0000

HPTXR

RTLTL : 19h 19m 30s

1200 RTLTL=19h 19m 28s

0000 RTLTL=19h 19m 24s

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: 04/29/03 - 13:52

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 11, 2003  
131-132

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 15m 14s

1200 RTLT=24h 15m 16s

0000 RTLT=24h 15m 18s

VOYAGER 1

↓ 1108 SLEW->HELIO-12B

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 | 0715 65 [D]

|----- 15 [D] -----| 0705 - 1505

2125 |----- 63 [D] -----| 0040

DSN COVERAGE  
HPTXR

32

1035 |----- 45 [D] -----| 1335

1315 |----- 34 [D] -----| 2145

HPTXR

RTLT : 19h 19m 24s

1200 RTLT=19h 19m 22s

0000 RTLT=19h 19m 20s

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