

ISSUE DATE: 04/28/99 - 08:48

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  
APRIL 29, 1999  
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 : 20h 14m 32s      ↓ 0726 YAW=.05  
 VOYAGER 1      |-----PLAYBACK-----| 0735 - 1410  
 FDSL : 11AF      |-----TLC (SHORT-FORM)-----| 1425 YAW=.10  
 CCSL : A031      |-----D/L-----| 0048      DUMMY (01:59) 0545 ▼  
 TWNC : ON      TAPPOS 0558 || 0602  
 SB : OFF XB : HI      GYRO INIT 0620 ↓  
 PYR : .05/ .10/ .25      GYROS BC ON 0620 ↓  
 GYROS : OFF      GYRO FAULT TEST 0630 ↓

S/C 31 STATUS	0735	1410
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -16.864 sec		
ROLLREF = RIGIL KENTAURUS		
FDS MODE	PB-14	CR-5T
XB DATA RATE (MI)	1.4K(39)	160(32)

DSN COVERAGE

31	14 [D]	0720 - 1445	2035	63 [D]	0445	14	0545
32	1100	43 [B]	1830	1900	45 [D]	0310	

HPTXR

RTLT : 15h 54m 28s      1200 RTLT=15h 54m 26s      0000 RTLT=15h 54m 22s  
 VOYAGER 2      ▼ 1127 DUMMY (BRACKETED 5MIN NO D/L)

S/C 32 STATUS	
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: 11.893 sec	
ROLLREF = VEGA	
FDS MODE	CR-5T
XB DATA RATE (MI)	160 (32)

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

NOTES      [1] S/C 31=CR-5T @ 1650 XB=160(32)

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: 04/28/99 - 08:48

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  
APRIL 30, 1999  
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

RTLT : 20h 14m 34s

1200 RTLT=20h 14m 36s

0000 RTLT=20h 14m 38s

↓ 2208 SLEW->ALPHA VIR

↓ 0108 SLEW->HELIO-4C

VOYAGER 1

FDSL : 11AF

|| 0736 - 0739 CCSTIM(B)

CCSL : A031  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10 / .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

2040

UV-5A  
600(36)

31 ----- 14 ----- | 1125

2035 - 0645 |----- 63 [D] ----- |

DSN COVERAGE  
HPTXR

32 ----- 1110 |----- 43 [D] ----- | 1825

1900 |----- 34 [D] ----- | 2145

2125 |----- 45 [D] ----- | 0150

HPTXR

RTLT : 15h 54m 22s

1200 RTLT=15h 54m 20s

0000 RTLT=15h 54m 16s

VOYAGER 2

FDSL : 11AF

CCSL : B103  
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: 04/28/99 - 08:48

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  
MAY 1, 1999  
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

RTLT : 20h 14m 38s

1200 RTLT=20h 14m 38s

0000 RTLT=20h 14m 40s

VOYAGER 1

FDSL : 11AF

CCSL : A031  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10 / .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

UV-5A

600(36)

31

2055 |----- 63 [D] -----| 0350

DSN COVERAGE HPTXR

32

1430 |----- 43 [D] -----| 1810

1815 |----- 34 [o] -----| 0245

HPTXR

RTLT : 15h 54m 16s

1200 RTLT=15h 54m 14s

0000 RTLT=15h 54m 10s

VOYAGER 2

FDSL : 11AF

CCSL : B103  
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: 04/28/99 - 08:48

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  
MAY 2, 1999  
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 : 20h 14m 40s

1200 RTLT=20h 14m 42s

0000 RTLT=20h 14m 42s

VOYAGER 1

FDSL : 11AF

CCSL : A031  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10 / .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

UV-5A

600(36)

31 |-----14 [D]-----| 0725 - 1115

2350 |-----63 [D]-----| 0355

DSN COVERAGE  
HPTXR

32 |-----1045-----43 [D]-----| 1820

1920 |-----34 [o]-----| 0240

HPTXR

RTLT : 15h 54m 10s

1200 RTLT=15h 54m 8s

0000 RTLT=15h 54m 4s

VOYAGER 2

FDSL : 11AF

CCSL : B103  
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: 04/28/99 - 08:48

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  
MAY 3, 1999  
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 : 20h 14m 42s

1200 RTLT=20h 14m 44s

0000 RTLT=20h 14m 46s

VOYAGER 1

FDSL : 11AF

CCSL : A031  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10 / .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

UV-5A

600(36)

31

2115 |----- 63 [D] -----| 0400  
0355 |----- 14 [D] -----|

DSN COVERAGE HPTXR

32

1040 |----- 43 [D] -----| 1820  
2005 |----- 34 [o] -----| 0115

HPTXR

RTLT : 15h 54m 4s

1200 RTLT=15h 54m 2s

0000 RTLT=15h 53m 58s

VOYAGER 2

FDSL : 11AF

CCSL : B103  
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: 04/28/99 - 08:48

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  
MAY 4, 1999  
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

RTLTL : 20h 14m 46s

1200 RTLTL=20h 14m 48s

0000 RTLTL=20h 14m 48s

VOYAGER 1

↓ 0736 ALL DB=.05

1626 | 1626 PWS/RH

↓ 0208 SLEW->HELIO-1C

↓ 0752 AAI

FDSL : 11AF

0753 | - - | 0830 ASCAL

↓ 0827 RAI

CCSL : A031

↓ 0830 CRU

TWNC : ON

↓ 0838 ROLL=.25

SB : OFF XB : HI

↓ 0838 YAW=.10

PYR : .05/ .10 / .25

↓ 0840 GYRO FAULT TEST

GYROS : ON

1626  
GS-4B 1626

FDS MODE  
XB DATA RATE (MI)

0721 0833  
EL-40

CR-5T

CR-5T

40(30)

160(32)

160(32)

DSN COVERAGE  
HPTXR  
31

----- 14 [D] ----- | 1115

2115 | ----- 63 [D] ----- | 0435 | ---- 24 [T] ----

HPTXR

32

1040 | ----- 43 [D] ----- | 1815

1755 | ----- 34 [D] ----- | 0115

HPTXR

RTLTL : 15h 53m 58s

1200 RTLTL=15h 53m 56s

0000 RTLTL=15h 53m 52s

VOYAGER 2

1538 | 1539 PWS/RH

1715 | PLSCAL - | 1858

FDSL : 11AF

1715 | ---- MAGCAL ---- | 2018

1715 | ---- PESCAL ---- | 2035

CCSL : B103

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

1538  
GS-4B 1539

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160 (32)

160(32)

VOYAGER COVERAGE

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

NOTES

- [1] S/C 31=CR-5T @ 0721 XB=40(30)
- [2] S/C 31 - D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (0753-0830)
- [3] S/C 32=GS-4B @ 1538 XB=2.8K(41) NOT RECOVERABLE
- [4] S/C 31=GS-4B @ 1626 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: 04/28/99 - 08:48

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  
MAY 5, 1999  
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

RTLTL : 20h 14m 48s

1200 RTLTL=20h 14m 50s

0000 RTLTL=20h 14m 52s

VOYAGER 1

U/L 1050 | - | ----- TLC (SHORT-FORM) -----

FDSL : 11AF

↓ 1408 SLEW->HELIO-2C

↓ 0208 SLEW->HELIO-3C

CCSL : A031  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

----- 24 [T] ----- | 1445

0430 | --- 24 [D] ---

DSN COVERAGE  
HPTXR

32

1540 | --- 43 [B] --- | 1810

1750 | --- 34 [D] --- | 2110

HPTXR

RTLTL : 15h 53m 52s

1200 RTLTL=15h 53m 50s

0000 RTLTL=15h 53m 48s

VOYAGER 2

▼ 1607 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B103  
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: 04/28/99 - 08:48

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  
MAY 6, 1999  
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 : 20h 14m 52s

1200 RTLTL=20h 14m 54s

0000 RTLTL=20h 14m 56s

VOYAGER 1

-- | TLC (SHORT-FORM)  
| D/L - | 0833

↓ 1408 SLEW->HELIO-4C

↓ 0208 SLEW->HELIO-5C

FDSL : 11AF

CCSL : A031  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

----- 24 [D] ----- | 1120

1100 |----- 14 [D] ----- | 1445

2300 |----- 63 [D] ----- | 0515

DSN COVERAGE  
HPTXR

32

1510 |----- 43 [D] ----- | 1810

1855 |----- 45 [D] ----- | 0130

HPTXR

RTLTL : 15h 53m 48s

1200 RTLTL=15h 53m 44s

0000 RTLTL=15h 53m 42s

VOYAGER 2

FDSL : 11AF

CCSL : B103  
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: 04/28/99 - 08:48

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  
MAY 7, 1999  
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 : 20h 14m 56s

1200 RTLT=20h 14m 58s

0000 RTLT=20h 15m 0s

VOYAGER 1

↓ 0730 AAI

----- MAGROL ----- | 0733 - 1329

FDSL : 11AF

↓ 1322 RAI

↓ 1329 CRU

↓ 1329 GYROS OFF

↓ 1408 SLEW->HELIO-6C

▼ 1435 DUMMY (10:49)

↓ 0208 SLEW->HELIO-7C

CCSL : A031  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

14

| 0705 - 1545

2330

----- 63 [D] ----- | 0340

0340

----- 14 [D] -----

DSN COVERAGE  
HPTXR

32

1320

----- 43 [D] ----- | 1805

1745

----- 42 [D] ----- | 2005

2000

----- 34 [o] ----- | 0220

HPTXR

RTLT : 15h 53m 42s

1200 RTLT=15h 53m 40s

0000 RTLT=15h 53m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B103  
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 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0733-1329)

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: 04/28/99 - 08:48

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  
MAY 8, 1999  
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 : 20h 15m 0s

1200 RTLT=20h 15m 2s

0000 RTLT=20h 15m 4s

VOYAGER 1

↓ 1408 SLEW->HELIO-8C

↓ 0208 SLEW->HELIO-9C

FDSL : 11AF

CCSL : A031  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

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

2000 |----- 63 [D] ----- | 0345

DSN COVERAGE HPTXR

32 ----- 1020 |----- 43 [D] ----- | 1805

2135 |----- 34 [o] ----- | 0215

HPTXR

RTLT : 15h 53m 36s

1200 RTLT=15h 53m 34s

0000 RTLT=15h 53m 32s

VOYAGER 2

FDSL : 11AF

CCSL : B103  
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: 04/28/99 - 08:48

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  
MAY 9, 1999  
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

RTLT : 20h 15m 4s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A031  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLT=20h 15m 6s  
 0000 RTLT=20h 15m 8s

↓ 1408 SLEW->HELIO-10C  
 ↓ 0208 SLEW->MIDPNT-C

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

31 1045 |----- 25 [D] -----| 1450  
 2155 - 0635 |----- 54 [D] -----| 0415 |---- 24 [D] ----|

DSN COVERAGE HPTXR  
 32 1020 |----- 43 [D] -----| 1800  
 1740 |----- 42 [D] -----| 2145  
 HPTXR

RTLT : 15h 53m 32s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B103  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLT=15h 53m 28s  
 0000 RTLT=15h 53m 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: 04/28/99 - 08:48

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  
MAY 10, 1999  
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 : 20h 15m 8s

1200 RTLTL=20h 15m 10s

0000 RTLTL=20h 15m 12s

VOYAGER 1

↓ 1408 SLEW->HELIO-11C

↓ 0208 SLEW->HELIO-12C

FDSL : 11AF

CCSL : A031  
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]

1340

1320 | 15 [D] | 1510

1955 |

63 [D]

| 0315

DSN COVERAGE

HPTXR

32

1015 |

43

| 2145

2125 |

34 [D]

| 0130

HPTXR

RTLTL : 15h 53m 26s

1200 RTLTL=15h 53m 24s

0000 RTLTL=15h 53m 22s

VOYAGER 2

▼ 1900 DUMMY (10:53)

▼ 1908 B103MA MINI-SEQ (11:01)

FDSL : 11AF

CCSL : B103  
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: 04/28/99 - 08:48

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  
MAY 11, 1999  
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

RTLTL : 20h 15m 12s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A031  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : OFF

1200 RTLTL=20h 15m 16s  
0000 RTLTL=20h 15m 18s

↓ 1408 SLEW->HELIO-13C  
1602 | 1603 PWS/RH  
↓ 0208 SLEW->HELIO-14C

1602  
GS-4B 1603

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

31 1155 |----- 15 [D] -----| 1510 1950 |----- 63 [D] -----| 0545

DSN COVERAGE HPTXR

32 1010 |----- 43 [D] -----| 1755 1905 |----- 34 [D] -----| 2345

HPTXR

RTLTL : 15h 53m 22s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B103  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05 / .10 / .25  
GYROS : OFF

1200 RTLTL=15h 53m 20s  
0000 RTLTL=15h 53m 16s

\*  
1116 | | 1134 B103MA MINI-SEQ CHKSUM  
1513 | 1514 PWS/RH

1513  
GS-4B 1514

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 @ 1513 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 1602 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: 04/28/99 - 08:48

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  
MAY 12, 1999  
132-133

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 : 20h 15m 18s

1200 RTLT=20h 15m 20s

0000 RTLT=20h 15m 22s

VOYAGER 1

↓ 1408 SLEW->HELIO-15C

↓ 0208 SLEW->HELIO-16C

FDSL : 11AF

▼ 1430 DUMMY (10:45)

U/L 0440 | - |

TLC (SHORT-FORM) | - - - - - |

CCSL : A031  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

----- 24 ----- | 0715 - 1440

0110 | ----- 63 [T] ----- | 0545

DSN COVERAGE  
HPTXR

32

1440 | ----- 42 [D] ----- | 1855

1905 | ----- 45 [D] ----- | 2145

HPTXR

RTLT : 15h 53m 16s

1200 RTLT=15h 53m 14s

0000 RTLT=15h 53m 12s

VOYAGER 2

FDSL : 11AF

CCSL : B103  
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: 04/28/99 - 08:48

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  
MAY 13, 1999  
133-134

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 : 20h 15m 22s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A031  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLTL=20h 15m 26s  
 0000 RTLTL=20h 15m 28s

↓ 1408 SLEW->HELIO-17C  
 ↓ 1427 X/B LOW POWER  
 ↓ 1431 BAY 1 HTR ON  
 --- TLC (SHORT-FORM) ---

--- D/L -| 0224  
 ↓ 0208 SLEW->HELIO-18C

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

31 0855 | -- 24 [D] --- | 1115 24 [D] 0630 | --

1055 | - - - - - 14 [D] - - - - - | 1445

0125 | - - 63 [D] - - | 0310

32 1000 | - - - - - 43 [D] - - - - - | 2000

1940 | - - - - - 45 [D] - - - - - | 0055

HPTXR

RTLTL : 15h 53m 12s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B103  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLTL=15h 53m 10s  
 0000 RTLTL=15h 53m 8s

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: 04/28/99 - 08:48

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  
MAY 14, 1999  
134-135

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 : 20h 15m 28s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A031  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLT=20h 15m 30s  
 0000 RTLT=20h 15m 34s

↓ 1408 SLEW->HELIO-19C  
 ↓ 0208 SLEW->HELIO-20C

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

DSN COVERAGE HPTXR

31 ----- 24 [D] ----- | 1035  
 1125 |----- 25 [D] ----- | 1430  
 1935 |----- 63 [D] ----- | 0355

32 ----- 1045 |----- 43 [D] ----- | 1745  
 1725 |----- 42 [D] ----- | 2025

HPTXR

RTLT : 15h 53m 8s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B103  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLT=15h 53m 6s  
 0000 RTLT=15h 53m 4s

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: 04/28/99 - 08:48

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  
MAY 15, 1999  
135-136

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 : 20h 15m 34s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A031  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05 / .10 / .25  
GYROS : OFF

1200 RTLTL=20h 15m 36s

0000 RTLTL=20h 15m 38s

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 |----- 24 [D] -----| 0710 - 1300

1935 |----- 63 [D] -----| 0300

DSN COVERAGE  
HPTXR

32 |----- 43 [D] -----| 1335 - 1515

1905 |----- 34 [o] -----| 0150

HPTXR

RTLTL : 15h 53m 4s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B103  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05 / .10 / .25  
GYROS : OFF

1200 RTLTL=15h 53m 2s

0000 RTLTL=15h 53m 0s

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: 04/28/99 - 08:48

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  
MAY 16, 1999  
136-137

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 : 20h 15m 38s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A031  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLTL=20h 15m 42s  
 0000 RTLTL=20h 15m 44s

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

DSN COVERAGE HPTXR  
 31 |----- 24 [D] -----| 0745 - 1055  
 1035 |----- 15 [D] -----| 1450  
 1930 |----- 63 [D] -----| 0300  
 32 |----- 42 [D] -----| 1650  
 1630 |----- 45 [D] -----| 0135  
 HPTXR

RTLTL : 15h 53m 0s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B103  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLTL=15h 52m 58s  
 0000 RTLTL=15h 52m 56s

2257 | TAPPOS | 0036

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