

ISSUE DATE: 07/28/99 - 07:18

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  
JULY 29, 1999  
210-211

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 33m 8s

1200 RTLTL=20h 33m 18s

0000 RTLTL=20h 33m 28s

VOYAGER 1

S/C 31 STATUS

↓ 1417 SLEW->HELIO-9A

↓ 0217 SLEW->HELIO-8A

FDSSL : 11AF

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -17.391 sec

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS :

ROLLREF = RIGIL  
KENTAURUS

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

31 --- 14 [D] --- | 0915

2200 |----- 65 [D] ----- | 0240

0545 | 14 [D] |

DSN COVERAGE  
HPTXR

32 0830 |----- 43 [D] ----- | 1355

1500 |----- 34 [D] ----- | 2055

HPTXR

RTLTL : 15h 58m 6s

1200 RTLTL=15h 58m 12s

0000 RTLTL=15h 58m 20s

VOYAGER 2

S/C 32 STATUS

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: 2.675 sec

FDSSL : 11AF

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

ROLLREF = VEGA

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: 07/28/99 - 07:18

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  
JULY 30, 1999  
211-212

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 33m 28s

1200 RTLT=20h 33m 40s

0000 RTLT=20h 33m 50s

VOYAGER 1

↓ 1417 SLEW->HELIO-7A

▼ 2315 DUMMY (19:48)

U/L 0030 |----- TLC SHORT-FORM -----  
↓ 0054 GYRO INIT  
↓ 0054 GYROS AB ON  
↓ 0104 GYRO FAULT TEST  
0158 || 0202 CCSTIM(B)  
↓ 0218 SLEW->HELIO-6A

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS :

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31 14 [D] -| 0825

2120 |----- 63 [T] -----| 0220  
0200 |----- 24 [D] -----| 0500

DSN COVERAGE HPTXR

32 0830 |----- 43 [D] -----| 1345

1325 |----- 34 [D] -----| 1615

1600 |----- 45 [D] -----| 2110

HPTXR

RTLT : 15h 58m 20s

1200 RTLT=15h 58m 26s

0000 RTLT=15h 58m 34s

VOYAGER 2

FDSL : 11AF

CCSL :  
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: 07/28/99 - 07:18

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  
JULY 31, 1999  
212-213

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 33m 50s

1200 RTLT=20h 34m 0s

0000 RTLT=20h 34m 12s

VOYAGER 1

↓ 1418 SLEW->HELIO-5A

↓ 0218 SLEW->HELIO-4A

FDSL : 11AF

TLC SHORT-FORM -----| D/L -| 2232

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

31

1425 |-----

63 [D] -----|

2320

2300 |-----

24 [D] -----|

0320

0340

14 [D] -----

DSN COVERAGE  
HPTXR

32

1510 |-----

34 [o] -----|

2045

HPTXR

RTLT : 15h 58m 34s

1200 RTLT=15h 58m 40s

0000 RTLT=15h 58m 48s

VOYAGER 2

FDSL : 11AF

CCSL :  
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: 07/28/99 - 07:18

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  
AUGUST 1, 1999  
213-214

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 34m 12s

1200 RTLT=20h 34m 22s

0000 RTLT=20h 34m 34s

VOYAGER 1

↓ 1418 SLEW->HELIO-3A

↓ 0218 SLEW->HELIO-2A

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

31 ----- 14 [D] ----- | 1000

1640 |----- 54 [D] ----- | 0045

0300 |----- 14 [D] -----

DSN COVERAGE  
HPTXR

32 0830 |----- 43 [D] ----- | 1335

1450 |----- 34 [D] ----- | 2040

42 [D] 0630 |-----

HPTXR

RTLT : 15h 58m 48s

1200 RTLT=15h 58m 54s

0000 RTLT=15h 59m 2s

VOYAGER 2

FDSL : 11AF

CCSL :  
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: 07/28/99 - 07:18

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  
AUGUST 2, 1999  
214-215

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 34m 34s

1200 RTLT=20h 34m 44s

0000 RTLT=20h 34m 56s

VOYAGER 1

↓ 1418 SLEW->HELIO-1A

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31 --- 14 [D] --- | 0945

2055 | ----- 63 [D] ----- | 0230

0455 | --- 14 [D] ---

DSN COVERAGE  
HPTXR

32 ----- 42 [D] ----- | 1255

1450 | ----- 34 [D] ----- | 2005

HPTXR

RTLT : 15h 59m 2s

1200 RTLT=15h 59m 10s

0000 RTLT=15h 59m 16s

VOYAGER 2

FDSL : 11AF

CCSL :  
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: 07/28/99 - 07:18

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  
AUGUST 3, 1999  
215-216

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 34m 56s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

1200 RTLT=20h 35m 6s  
0000 RTLT=20h 35m 18s

1124 | 1125 PWS/RH  
↓ 0154 GYRO INIT

1124 GS-4B 1125

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

31 --- 14 [D] --- | 0925  
2115 | - - - - - 63 [D] - - - - - | 0145  
0515 | - - 14 [T] - -

DSN COVERAGE HPTXR  
32 0845 | - - - - - 43 [B] - - - - - | 1415  
1355 | - - - - - 34 [o] - - - - - | 2035

HPTXR

RTLT : 15h 59m 16s  
VOYAGER 2  
FDSL : 11AF  
CCSL :  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLT=15h 59m 24s  
0000 RTLT=15h 59m 32s

1028 | 1029 PWS/RH  
▼ 1332 DUMMY (BRACKETED 5MIN NO D/L)

1028 GS-4B 1029

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 @ 1028 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 1124 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: 07/28/99 - 07:18

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  
AUGUST 4, 1999  
216-217

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 35m 18s

1200 RTLTL=20h 35m 28s

0000 RTLTL=20h 35m 40s

VOYAGER 1

0750 | U/L

TLC (SHORT-FORM)

| D/L | 0554

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 ----- 14 [T] ----- | 0950

1630 | ----- 63 [D] ----- | 2215

0255 | ----- 24 [D] -----

2200 | ----- 14 [D] ----- | 0315

DSN COVERAGE  
HPTXR

32 0830 | ----- 43 [D] ----- | 1325

1305 | ----- 34 [D] ----- | 2030

HPTXR

1200 RTLTL=15h 59m 38s

0000 RTLTL=15h 59m 46s

RTLTL : 15h 59m 32s

VOYAGER 2

FDSL : 11AF

CCSL :  
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: 07/28/99 - 07:18

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  
AUGUST 5, 1999  
217-218

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 35m 40s

1200 RTLT=20h 35m 50s

0000 RTLT=20h 36m 2s

VOYAGER 1

▼ 2030 DUMMY (17:06)

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 -- 24 [D] -- | 0845

1355 | - - - - - 63 - - - - - | 2230

0500 | - - - 14 [D] - - -

DSN COVERAGE  
HPTXR

32

1420 | - - - - - 34 [o] - - - - - | 1955

HPTXR

RTLT : 15h 59m 46s

1200 RTLT=15h 59m 54s

0000 RTLT=16h 0m 2s

VOYAGER 2

FDSL : 11AF

CCSL :  
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: 07/28/99 - 07:18

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  
AUGUST 6, 1999  
218-219

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 36m 2s

1200 RTLTL=20h 36m 12s

0000 RTLTL=20h 36m 24s

VOYAGER 1

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

↓ 0055 BAY 1 HTR OFF

↓ 0059 X/B HI POWER

↓ 0205 AAI

0208 |----- MAGROL -----

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 ---|0740 14 [D]

1600 |----- 63 [D] -----

|0200  
0140 |----- 14 [D] -----

0525 |-- 24 [D] --

|0545

DSN COVERAGE  
HPTXR

32

0845 |----- 45 [D] ----- |2020

HPTXR

RTLTL : 16h 0m 2s

1200 RTLTL=16h 0m 10s

0000 RTLTL=16h 0m 18s

VOYAGER 2

FDSL : 11AF

CCSL :  
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 -----

NOTES

[1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0208-0803)

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: 07/28/99 - 07:18

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  
AUGUST 7, 1999  
219-220

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 36m 24s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05/ .10/ .25  
 GYROS : ON

↓ 0756 RAI  
 ↓ 0803 CRU  
 ↓ 0803 GYROS OFF  
 --- 0803 MAGROL  
 ↓ 0808 X/B LOW POWER  
 ↓ 0812 BAY 1 HTR ON

↓ 1919 SLEW->HELIO-1B

1200 RTLT=20h 36m 36s  
 0000 RTLT=20h 36m 46s

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

31 24 [D] - 0830 1400 |----- 63 [D] -----| 1715 0020 |----- 14 [D] -----|

HPTXR

DSN COVERAGE

32 0840 |----- 45 [D] -----| 1500 1445 |----- 34 [D] -----| 2015

HPTXR

RTLT : 16h 0m 18s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL :  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=16h 0m 26s  
 0000 RTLT=16h 0m 32s

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

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

NOTES [1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0208-0803)

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: 07/28/99 - 07:18

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  
AUGUST 8, 1999  
220-221

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 36m 46s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

↓ 0719 SLEW->HELIO-2B  
 ↓ 1919 SLEW->HELIO-3B

1200 RTLT=20h 36m 58s  
 0000 RTLT=20h 37m 10s

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

DSN COVERAGE

HPTXR 31 --- 14 [D] --- 0935  
 1455 |----- 63 [D] -----| 2205  
 2145 |----- 14 [D] -----| 0440

HPTXR 32  
 1440 |----- 45 [D] -----| 2035

RTLT : 16h 0m 32s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL :  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=16h 0m 40s  
 0000 RTLT=16h 0m 48s

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: 07/28/99 - 07:18

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  
AUGUST 9, 1999  
221-222

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 37m 10s

1200 RTLT=20h 37m 20s

0000 RTLT=20h 37m 32s

VOYAGER 1

↓ 0719 SLEW->HELIO-4B

↓ 1919 SLEW->HELIO-5B

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1400 |----- 63 [D] -----| 2215

2330 |----- 14 [D] -----| 0535

DSN COVERAGE  
HPTXR

32

0800 |----- 43 [D] -----| 1250

1500 |----- 34 [o] -----| 2010

HPTXR

RTLT : 16h 0m 48s

1200 RTLT=16h 0m 58s

0000 RTLT=16h 1m 6s

VOYAGER 2

FDSL : 11AF

CCSL :  
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: 07/28/99 - 07:18

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  
AUGUST 10, 1999  
222-223

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 37m 32s

1200 RTLTL=20h 37m 44s

0000 RTLTL=20h 37m 54s

VOYAGER 1

↓ 0719 SLEW->HELIO-6B  
1101 | 1102 PWS/RH

↓ 1920 SLEW->HELIO-7B

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1101  
GS-4B 1102

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

31

1710 |----- 63 [D] -----| 0155  
0140 |----- 14 [D] -----| 0530

DSN COVERAGE  
HPTXR

32

0845 |----- 43 [B] -----| 1305  
1345 |----- 45 [D] -----| 1955  
0355 |----- 43 [D] -----

HPTXR

RTLTL : 16h 1m 6s

1200 RTLTL=16h 1m 14s

0000 RTLTL=16h 1m 22s

VOYAGER 2

1005 | 1006 PWS/RH

▼ 1207 DUMMY (BRACKETED 5MIN 04:08)

FDSL : 11AF

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

1005  
GS-4B 1006

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=GS-4B @ 1005 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 1101 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: 07/28/99 - 07:18

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  
AUGUST 11, 1999  
223-224

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 37m 54s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

↓ 0720 SLEW->HELIO-8B  
 ↓ 1920 SLEW->HELIO-9B  
 ▼ 1930 DUMMY (16:08)  
 U/L 2000 | - | - - - - - TLC SHORT-FORM - - - - -

FDS MODE  
 XB DATA RATE (MI)

CR-5T  
 160(32)

31 1645 | - - - - - 63 [T] - - - - - 2205 0505 | - - - - - 24 [D] - - - - -  
 0145 | - - - - - 14 [D] - - - - - 0525

DSN COVERAGE HPTXR  
 32 - - - - - 43 [D] - - - - - 1300  
 1340 | - - - - - 45 [D] - - - - - 2020

HPTXR

RTLT : 16h 1m 22s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL :  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=16h 1m 30s 0000 RTLT=16h 1m 38s

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: 07/28/99 - 07:18

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  
AUGUST 12, 1999  
224-225

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 38m 18s

1200 RTLT=20h 38m 28s

0000 RTLT=20h 38m 40s

VOYAGER 1

↓ 0720 SLEW->HELIO-10B

↓ 1920 SLEW->MIDPNT-B

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF  
----- TLC SHORT-FORM ----- | D/L | 1805

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

31 24 [D] | 0820 1545 | ----- 63 [D] ----- | 2205 2330 | ----- 14 [D] -----

DSN COVERAGE HPTXR

32 0920 | ----- 43 [D] ----- | 1255 1435 | ----- 34 [D] ----- | 1955

HPTXR

RTLT : 16h 1m 38s

1200 RTLT=16h 1m 46s

0000 RTLT=16h 1m 56s

VOYAGER 2

FDSL : 11AF

CCSL :  
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: 07/28/99 - 07:18

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  
AUGUST 13, 1999  
225-226

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 38m 40s

1200 RTLTL=20h 38m 52s

0000 RTLTL=20h 39m 4s

VOYAGER 1

↓ 0720 SLEW->HELIO-11B

↓ 1920 SLEW->HELIO-12B

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31 --- 14 [D] --- | 0915

1350 |----- 63 [D] ----- | 2145

2330 |----- 14 [D] ----- | 0530

DSN COVERAGE  
HPTXR

32 |----- 43 [D] ----- | 0725- 1255

1350 |----- 34 [o] ----- | 1955

HPTXR

RTLTL : 16h 1m 56s

1200 RTLTL=16h 2m 4s

0000 RTLTL=16h 2m 12s

VOYAGER 2

FDSL : 11AF

CCSL :  
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: 07/28/99 - 07:18

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  
AUGUST 14, 1999  
226-227

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 39m 4s

1200 RTLTL=20h 39m 14s

0000 RTLTL=20h 39m 26s

VOYAGER 1

↓ 0720 SLEW->HELIO-13B

↓ 1920 SLEW->HELIO-14B

FDSL : 11AF

CCSL : A032

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1515 |----- 54 [D] -----| 2145

2125 |----- 14 [D] -----| 0530

DSN COVERAGE  
HPTXR

32

|----- 43 [D] -----| 0705 - 1250

1335 |----- 45 [D] -----| 2010

HPTXR

RTLTL : 16h 2m 12s

1200 RTLTL=16h 2m 22s

0000 RTLTL=16h 2m 30s

VOYAGER 2

FDSL : 11AF

CCSL :

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: 07/28/99 - 07:18

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  
AUGUST 15, 1999  
227-228

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 39m 26s

1200 RTLT=20h 39m 38s

0000 RTLT=20h 39m 50s

VOYAGER 1

↓ 0720 SLEW->HELIO-15B

↓ 1920 SLEW->HELIO-16B

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1510 |----- 63 [D] -----| 2120

2100 |----- 14 [D] -----| 0515

DSN COVERAGE  
HPTXR

32

|----- 43 [D] -----| 0715 - 1245

1430 |----- 34 [D] -----| 1945

HPTXR

RTLT : 16h 2m 30s

1200 RTLT=16h 2m 38s

0000 RTLT=16h 2m 48s

VOYAGER 2

FDSL : 11AF

CCSL :  
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