

ISSUE DATE: 09/29/99 - 07:44

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  
SEPTEMBER 30, 1999  
273-274

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 57m 28s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

S/C 31 STATUS

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -17.571 sec

ROLLREF = RIGIL  
KENTAURUS

▼ 0110 DUMMY (22:07)  
0210 |---| U/L  
|----- TLC SHORT-FORM -----

---

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

---

31 1230 |----- 63 [D] -----| 1845  
2105 |----- 24 [D] -----| 0100  
0045 |----- 14 [T] -----| 0405

DSN COVERAGE HPTXR

---

32 0810 |----- 42 [o] -----| 1305  
1355 |----- 45 [D] -----| 1650  
0040 |----- 43 [B] -----|

HPTXR

RTLTL : 16h 18m 48s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B105  
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: -4.122 sec

ROLLREF = VEGA

1200 RTLTL=16h 19m 0s  
0000 RTLTL=16h 19m 12s

---

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: 09/29/99 - 07:44

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  
OCTOBER 1, 1999  
274-275

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 57m 50s

1200 RTLT=20h 58m 0s

0000 RTLT=20h 58m 12s

VOYAGER 1

FDSL : 11AF

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

TLC SHORT-FORM

D/L 0403

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

31

1430 |----- 63 [D] -----| 1845

2145 |----- 24 [D] -----| 0455

DSN COVERAGE  
HPTXR

32

43 [B] ---| 0930

0030 |----- 43 [D] -----|

1110 |----- 42 [o] -----| 1420

1400 |----- 45 [D] -----| 1700

HPTXR

RTLT : 16h 19m 12s

1200 RTLT=16h 19m 24s

0000 RTLT=16h 19m 36s

VOYAGER 2

▼ 0852 DUMMY (BRACKETED 5MIN 00:12)

FDSL : 11AF

CCSL : B105  
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: 09/29/99 - 07:44

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  
OCTOBER 2, 1999  
275-276

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 58m 12s

1200 RTLT=20h 58m 22s

0000 RTLT=20h 58m 34s

VOYAGER 1

FDSL : 11AF

CCSL : A032

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

↓ 2230 SLEW->HELIO-1C

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

31

1045 |----- 63 [D] -----

1845

1855 |----- 24 [D] -----| 0455

DSN COVERAGE  
HPTXR

32

--- 43 [D] ---| 0910

0905 |----- 42 [o] -----

| 1420

1400 |----- 45 [D] -----| 1645

0420 |--- 43 [D] ---

HPTXR

RTLT : 16h 19m 36s

1200 RTLT=16h 19m 48s

0000 RTLT=16h 20m 0s

VOYAGER 2

FDSL : 11AF

CCSL : B105

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: 09/29/99 - 07:44

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  
OCTOBER 3, 1999  
276-277

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 58m 34s

1200 RTLT=20h 58m 44s

0000 RTLT=20h 58m 56s

VOYAGER 1

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

1015 |----- 63 [D] -----

| 1815

1850 |----- 24 [D] ----- | 0445

DSN COVERAGE  
HPTXR

32

--- 43 [D] --- | 0920

0940 |----- 42 [D] ----- | 1420

1400 |----- 45 [D] ----- | 1650

0455 |--- 43 [D] ---

HPTXR

RTLT : 16h 20m 0s

1200 RTLT=16h 20m 12s

0000 RTLT=16h 20m 24s

VOYAGER 2

FDSL : 11AF

CCSL : B105

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: 09/29/99 - 07:44

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  
OCTOBER 4, 1999  
277-278

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 58m 56s  
 VOYAGER 1  
 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)

1200 RTLT=20h 59m 6s  
 0000 RTLT=20h 59m 18s

▼ 0019 EL-40 (21:20)  
 ▼ 0034 CCSL A033 (21:34)  
 ▼ 0104 DUMMY (22:03)  
 ▼ 0110 CR-5T (22:09)

31 1015 |----- 63 [D] -----| 1815  
 1845 |----- 24 [D] -----| 0005  
 2345 |----- 14 -----| 0405

HPTXR  
 DSN COVERAGE

32 --- 43 [D] ---| 0915  
 0855 |----- 42 [D] -----| 1515

HPTXR

RTLT : 16h 20m 24s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

FDS MODE  
 XB DATA RATE (MI)

CR-5T  
 160 (32)

1200 RTLT=16h 20m 36s  
 0000 RTLT=16h 20m 48s

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: 09/29/99 - 07:44

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  
OCTOBER 5, 1999  
278-279

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 59m 18s

1200 RTLTL=20h 59m 28s | 0000 RTLTL=20h 59m 40s

VOYAGER 1

FDSL : 11AF

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

2148 \* 2152 CCSCHKSUM

0424 | 0425 PWS/RH

U/L 0445 | - |  
TLC (SHORT-FORM) | - - - - -

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

\* 2120  
EL-40

\* 2210

0424  
GS-4B

0425

CR-5T

CR-5T  
160(32)

31

1530 | - - - - - 63 [D] - - - - - | 1840  
1930 | - - - - - 24 [D] - - - - - | 0000

2345 | - - - - - 14 - - - - - | 0540

DSN COVERAGE  
HPTXR

32

0855 | - - - - - 42 [o] - - - - - | 1510

0250 | - - - - - 43 [D] - - - - -

HPTXR

RTLTL : 16h 20m 48s

1200 RTLTL=16h 21m 0s | 0000 RTLTL=16h 21m 12s

VOYAGER 2

FDSL : 11AF

CCSL : B105  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

0327 | 0328 PWS/RH

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

0327  
GS-4B

0328

CR-5T  
160(32)

VOYAGER COVERAGE

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

+ - VGR - +

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

NOTES

- [1] S/C 32=GS-4B @ 0327 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 0424 XB=2.8K(41) NOT RECOVERABLE
- [3] XB=40(30)

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: 09/29/99 - 07:44

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  
OCTOBER 6, 1999  
279-280

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 59m 40s

1200 RTLT=20h 59m 50s

0000 RTLT=21h 0m 2s

VOYAGER 1

FDSL : 11AF

TLC (SHORT-FORM)

D/L - 0313

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

2130

24 [D]

0435

DSN COVERAGE  
HPTXR

32

43 [D] 0910

0950

42 [o]

1505

0025

43 [B]

HPTXR

1200 RTLT=16h 21m 24s

0000 RTLT=16h 21m 36s

RTLT : 16h 21m 12s

VOYAGER 2

DUMMY (BRACKETED 5MIN NO D/L)

0047 ▼

FDSL : 11AF

CCSL : B105  
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: 09/29/99 - 07:44

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  
OCTOBER 7, 1999  
280-281

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 : 21h 0m 2s

1200 RTLT=21h 0m 12s

0000 RTLT=21h 0m 22s

VOYAGER 1

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

1835

----- 24 [D] -----

0435

DSN COVERAGE  
HPTXR

32

--- 43 [B] --- 0905

0440 --- 43 [D] ---

0845 |----- 42 [o] -----| 1505

0015 |--- 45 [D] ---| 0230

HPTXR

RTLT : 16h 21m 36s

1200 RTLT=16h 21m 48s

0000 RTLT=16h 22m 0s

VOYAGER 2

FDSL : 11AF

CCSL : B105

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: 09/29/99 - 07:44

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  
OCTOBER 8, 1999  
281-282

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 : 21h 0m 22s

1200 RTLT=21h 0m 34s

0000 RTLT=21h 0m 44s

VOYAGER 1

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

1250 |----- 63 [D] -----| 1745

1730 |----- 14 [D] -----| 0415

HPTXR

DSN COVERAGE

32

--- 43 [D] --- | 0900

0005 |----- 43 [D] -----|

0855 |----- 42 [o] -----| 1500

HPTXR

RTLT : 16h 22m 0s

1200 RTLT=16h 22m 12s

0000 RTLT=16h 22m 24s

VOYAGER 2

FDSL : 11AF

CCSL : B105  
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: 09/29/99 - 07:44

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  
OCTOBER 9, 1999  
282-283

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 : 21h 0m 44s

1200 RTLT=21h 0m 54s

0000 RTLT=21h 1m 6s

VOYAGER 1

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

1830

24 [D]

0425

DSN COVERAGE  
HPTXR

32

43 [D] 0855

0210

43 [D]

0845

42 [D]

1455

HPTXR

RTLT : 16h 22m 24s

1200 RTLT=16h 22m 36s

0000 RTLT=16h 22m 48s

VOYAGER 2

FDSL : 11AF

CCSL : B105

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: 09/29/99 - 07:44

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  
OCTOBER 10, 1999  
283-284

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 : 21h 1m 6s

1200 RTLT=21h 1m 16s

0000 RTLT=21h 1m 26s

VOYAGER 1

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

0950

63 [D]

1805

1750

14 [D]

0125

DSN COVERAGE  
HPTXR

32

43 [D] 0850

0420

43 [D]

0830

42 [D]

1450

HPTXR

RTLT : 16h 22m 48s

1200 RTLT=16h 23m 0s

0000 RTLT=16h 23m 12s

VOYAGER 2

FDSL : 11AF

CCSL : B105  
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: 09/29/99 - 07:44

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  
OCTOBER 11, 1999  
284-285

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 : 21h 1m 26s

1200 RTLTL=21h 1m 38s

0000 RTLTL=21h 1m 48s

VOYAGER 1

↓ 1940 BEGIN SEQUENCE A033

FDSL : 11AF

▼ 1700 DUMMY (14:01)

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

0945

----- 63 -----

1800

1825

----- 24 [D] -----

2350

2330

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

0205

DSN COVERAGE HPTXR

32

43 [D] - | 0830

42 [o] 0615 |-----

0810

----- 42 [D] -----

1445

HPTXR

RTLTL : 16h 23m 12s

1200 RTLTL=16h 23m 24s

0000 RTLTL=16h 23m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B105  
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: 09/29/99 - 07:44

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  
OCTOBER 12, 1999  
285-286

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 : 21h 1m 48s

1200 RTLTL=21h 1m 58s

0000 RTLTL=21h 2m 8s

VOYAGER 1

FDSL : 11AF

CCSL : A033  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

2352 | PLSCAL - | 0135  
2352 | --- MAGCAL --- | 0255  
2352 | ----- PESCAL ----- | 0313

U/L 0200 | - | - - - - - TLC (SHORT-FORM) - - - - -  
0401 | 0402 PWS/RH

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

0401  
GS-4B 0402

31

0945 | - - - - - 63 - - - - - | 1755

1940 | - - - - - 14 [D] - - - - - | 0155

0135 | - - - - - 24 [T] - - - - - | 0415

DSN COVERAGE  
HPTXR

32

- - - - - 42 [o] - - - - - | 1445

0135 | - - - - - 43 [D] - - - - -

HPTXR

RTLTL : 16h 23m 36s

1200 RTLTL=16h 23m 48s

0000 RTLTL=16h 24m 0s

VOYAGER 2

FDSL : 11AF

CCSL : B105  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

0305 | 0306 PWS/RH

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

0305  
GS-4B 0306

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=GS-4B @ 0305 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 0401 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: 09/29/99 - 07:44

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  
OCTOBER 13, 1999  
286-287

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 : 21h 2m 8s

1200 RTLT=21h 2m 18s

0000 RTLT=21h 2m 30s

VOYAGER 1

FDSL : 11AF

CCSL : A033  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

TLC (SHORT-FORM)

D/L 0030

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

2130 24 [D] 0410

DSN COVERAGE  
HPTXR

32

43 [D] 0835

0000 43 [B]

0820 42 [D] 1440

HPTXR

RTLT : 16h 24m 0s

1200 RTLT=16h 24m 12s

0000 RTLT=16h 24m 24s

VOYAGER 2

0027 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B105  
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: 09/29/99 - 07:44

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  
OCTOBER 14, 1999  
287-288

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 : 21h 2m 30s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A033  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF  
 FDS MODE  
 XB DATA RATE (MI)

1200 RTLT=21h 2m 40s  
 0000 RTLT=21h 2m 50s

CR-5T

160(32)

31

1815 |----- 24 [D] -----| 2350  
 2330 |--- 14 [D] ---| 0145

DSN COVERAGE HPTXR

32

43 [B] | 0830  
 0830 |----- 42 [o] -----| 1435  
 0255 |----- 43 [D] -----|

HPTXR

1200 RTLT=16h 24m 36s  
 0000 RTLT=16h 24m 48s

RTLT : 16h 24m 24s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 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: 09/29/99 - 07:44

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  
OCTOBER 15, 1999  
288-289

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 : 21h 2m 50s

1200 RTLT=21h 3m 0s

0000 RTLT=21h 3m 10s

VOYAGER 1

↓ 2232 SLEW->HELIO-4C

FDSL : 11AF

CCSL : A033  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

0945

63 [D]

1745

1835

24 [D]

0430

DSN COVERAGE  
HPTXR

32

43 [D] 0810

0750

42 [D]

1430

2335

43 [D]

HPTXR

RTLT : 16h 24m 48s

1200 RTLT=16h 25m 0s

0000 RTLT=16h 25m 12s

VOYAGER 2

FDSL : 11AF

CCSL : B105  
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: 09/29/99 - 07:44

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  
OCTOBER 16, 1999  
289-290

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 : 21h 3m 10s

1200 RTLT=21h 3m 20s

0000 RTLT=21h 3m 30s

VOYAGER 1

FDSL : 11AF

CCSL : A033

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1100 |-----63 [D]-----| 1740

1720 |-----14 [D]-----| 0140

DSN COVERAGE  
HPTXR

32

43 [D] | 0820

2330 |-----43 [D]-----

0800 |-----42 [o]-----| 1425

HPTXR

RTLT : 16h 25m 12s

1200 RTLT=16h 25m 24s

0000 RTLT=16h 25m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B105

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: 09/29/99 - 07:44

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  
OCTOBER 17, 1999  
290-291

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 : 21h 3m 30s

1200 RTLT=21h 3m 40s

0000 RTLT=21h 3m 50s

VOYAGER 1

FDSL : 11AF

CCSL : A033  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

0945

63 [D]

1735

1720

14 [D]

0135

HPTXR

DSN COVERAGE

32

43 [D] 0815

2330

43 [D]

0755

42 [D]

1145

HPTXR

RTLT : 16h 25m 36s

1200 RTLT=16h 25m 48s

0000 RTLT=16h 26m 0s

VOYAGER 2

FDSL : 11AF

CCSL : B105  
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