

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 16, 1999  
350-351

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 17m 20s

1200 RTLTL=21h 17m 22s

0000 RTLTL=21h 17m 26s

VOYAGER 1

FDSL : 11AF

CCSL : A033  
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: -18.121 sec

ROLLREF = RIGIL  
KENTAURUS

↓ 1939 SLEW->HELIO-13A

SLEW->HELIO-12A 0739 ↓

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

31

1405

24 [D]

0000

0525

63 [D]

DSN COVERAGE

HPTXR

32

45 [D] 1150

1935 - 0715

43 [D]

0655

34 [D]

HPTXR

RTLTL : 16h 45m 50s

1200 RTLTL=16h 45m 58s

0000 RTLTL=16h 46m 6s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

S/C 32 STATUS

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -12.073 sec

ROLLREF = VEGA

COMMAND MORATORIUM

↓ 0055 AAI

0058

MAGROL

0653

RAI 0646 ↓

CRU 0653 ↓

GYROS OFF 0653 ↓

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

VOYAGER COVERAGE

ON CALL

VGR

ON CALL

NOTES

[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0058-0653)

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 17, 1999  
351-352

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 17m 26s

1200 RTLTL=21h 17m 28s

0000 RTLTL=21h 17m 32s

VOYAGER 1

↓ 1939 SLEW->HELIO-11A

SLEW->MIDPNT-A 0739 ↓

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 ----- 63 [D] ----- | 1100 1400 |----- 24 [D] ----- | 2355 54 [D] 0710 |-----

HPTXR

0525- 0715 | - 63 [D] - - |

DSN COVERAGE

32 ----- 34 [D] ----- | 1135

2040 |----- 43 [D] ----- | 0345

HPTXR

RTLTL : 16h 46m 6s

1200 RTLTL=16h 46m 12s

0000 RTLTL=16h 46m 20s

VOYAGER 2

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

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 18, 1999  
352-353

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 17m 32s

1200 RTLT=21h 17m 36s

0000 RTLT=21h 17m 38s

VOYAGER 1

↓ 1939 SLEW->HELIO-10A

SLEW->HELIO-9A 0739 ↓

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 54 [D] -| 0920

1355 |----- 24 [D] -----| 2355

0520 |---- 63 [D] ----

DSN COVERAGE  
HPTXR

32

1940 |----- 45 [D] -----| 0110

0635 |· 34 [o] -

HPTXR

RTLT : 16h 46m 20s

1200 RTLT=16h 46m 26s  
----- COMMAND MORATORIUM -----| 1407

0000 RTLT=16h 46m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 19, 1999  
353-354

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 17m 38s

1200 RTLT=21h 17m 40s

0000 RTLT=21h 17m 44s

VOYAGER 1

↓ 1939 SLEW->HELIO-8A

SLEW->HELIO-7A 0739 ↓

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 -----63 [D] ----- | 1215  
1355 | -----24 [D] ----- | 1840  
0515 | -----63 [D] -----

DSN COVERAGE  
HPTXR

32 -----34 [o] ----- | 1120  
2305 | -----42 [o] -----

HPTXR

RTLT : 16h 46m 34s

1200 RTLT=16h 46m 40s

0000 RTLT=16h 46m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 20, 1999  
354-355

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 17m 44s

1200 RTLTL=21h 17m 46s

0000 RTLTL=21h 17m 50s

VOYAGER 1

↓ 1940 SLEW->HELIO-6A

FDSL : 11AF

▼ 2100 DUMMY (18:17)

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

U/L 2230 | - | - - - - - TLC (SHORT-FORM) - - - - -

SLEW->HELIO-5A 0740 ↓

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31 ----- 63 [D] ----- | 1250 ----- 0655 | 54 [D] |

1320 | - - - - 14 [D] - - - - | 1545

2000 | - - - - - 24 [T] - - - - - | 2345

DSN COVERAGE  
HPTXR

32 --- 42 [o] --- | 1015

2055 | - - - - - 42 [D] - - - - - | 0445 0625 | - 34 [D] -

HPTXR

RTLTL : 16h 46m 46s

1200 RTLTL=16h 46m 54s

0000 RTLTL=16h 47m 0s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 21, 1999  
355-356

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 17m 50s

1200 RTLTL=21h 17m 52s

0000 RTLTL=21h 17m 54s

VOYAGER 1

↓ 1940 SLEW->HELIO-4A

FDSL : 11AF

0009 | 0010 PWS/RH

SLEW->HELIO-3A 0740 ↓

CCSL : A033

----- TLC (SHORT-FORM) ----- † D/L - | 2116

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

0009  
GS-4B 0010

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

CR-5T  
160(32)

31 ----- | 0855 54 [D]

1245 | ----- 14 [D] ----- | 1545

1530 | ----- 24 [D] ----- | 2340

DSN COVERAGE  
HPTXR

32 ----- | 34 [D] ----- | 1120

0620 | - - 34 [D] - -

HPTXR

RTLTL : 16h 47m 0s

1200 RTLTL=16h 47m 6s

0000 RTLTL=16h 47m 12s

VOYAGER 2

2316 | 2317 PWS/RH

FDSL : 11AF

CCSL : B106

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

2316  
GS-4B 2317

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

CR-5T  
160(32)

VOYAGER COVERAGE

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

NOTES

- [1] S/C 32=GS-4B @ 2316 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 0009 XB=2.8K(41) NOT RECOVERABLE

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 22, 1999  
356-357

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 17m 54s

1200 RTLTL=21h 17m 58s

0000 RTLTL=21h 18m 0s

VOYAGER 1

↓ 1940 SLEW->HELIO-2A

SLEW->HELIO-1A 0740 ↓

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 1240 |----- 14 [D] -----| 1800 0550 |--- 65 [D] ---|

1740 |----- 24 [D] -----| 2335

DSN COVERAGE HPTXR

32 |----- 34 [D] -----| 1120

2115 |----- 43 [B] -----| 0325

34 [D] 0745 |

HPTXR

RTLTL : 16h 47m 12s

1200 RTLTL=16h 47m 20s

0000 RTLTL=16h 47m 26s

VOYAGER 2

▼ 2202 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 23, 1999  
357-358

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 0s

1200 RTLT=21h 18m 2s

0000 RTLT=21h 18m 4s

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 65 [D] | 0915

1235 |-----| 14 [D] -----| 1545

0500 |-----| 63 [D] -----

1525 |-----| 24 [D] -----| 2335

HPTXR

DSN COVERAGE

32 ----- 34 [D] ----- | 1115

2215 |-----| 43 [D] ----- | 0325

HPTXR

RTLT : 16h 47m 26s

1200 RTLT=16h 47m 32s

0000 RTLT=16h 47m 38s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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

**JPL HOLIDAY**

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8



ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 24, 1999  
358-359

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 18m 4s

1200 RTLTL=21h 18m 8s

0000 RTLTL=21h 18m 10s

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

-----63 [D]-----

| 1535

1625 |-----14 [D]-----

| 2015

2125 |---25 [D]---| 2330

HPTXR

DSN COVERAGE

32

1905 |-----43 [D]-----

0300 |-----

34 [o]-----

| 0320

HPTXR

RTLTL : 16h 47m 38s

1200 RTLTL=16h 47m 44s

0000 RTLTL=16h 47m 50s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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

**JPL HOLIDAY**

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 25, 1999  
359-360

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 10s

1200 RTLT=21h 18m 12s

0000 RTLT=21h 18m 14s

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

1030 |--- 63 [D] ---| 1245

0500 |----- 63 [D] -----|

1230 |----- 14 [D] -----| 1845

HPTXR

DSN COVERAGE

32

----- 34 [o] -----| 1105

1900 |----- 43 [D] -----| 0315

34 [o] 0800

HPTXR

RTLT : 16h 47m 50s

1200 RTLT=16h 47m 56s

0000 RTLT=16h 48m 2s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 26, 1999  
360-361

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 14s

1200 RTLT=21h 18m 16s

0000 RTLT=21h 18m 18s

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

63 [D] ----- | 1300

1230 |----- 14 [D] ----- | 1905

0450 |----- 63 [T] -----

HPTXR

DSN COVERAGE

32

34 [o] ----- | 0800 - 1105

2005 |----- 43 [D] ----- | 0315

0620 |----- 34 [D] -----

HPTXR

RTLT : 16h 48m 2s

1200 RTLT=16h 48m 8s

0000 RTLT=16h 48m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 27, 1999  
361-362

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 18m 18s

1200 RTLTL=21h 18m 20s

0000 RTLTL=21h 18m 22s

VOYAGER 1

U/L 0925 | - | - - - - - TLC (SHORT-FORM) - - - - - | D/L

FDSL : 11AF

▼ 1800 DUMMY (15:18)

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 - - - - - 63 [T] - - - - - | 1230

1305 | - - - - - 25 [D] - - - - - | 1605

0450 | - - - - - 63 [D] - - - - -

1545 | - - - - - 24 - - - - - | 1945

DSN COVERAGE  
HPTXR

32 - - - - - 34 [D] - - - - - | 1030

0620 | - - - - - 34 [D] - - - - -

HPTXR

RTLTL : 16h 48m 14s

1200 RTLTL=16h 48m 20s

0000 RTLTL=16h 48m 26s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 28, 1999  
362-363

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 18m 22s

1200 RTLTL=21h 18m 24s

0000 RTLTL=21h 18m 26s

VOYAGER 1 | 0811 D/L

2345 | 2346 PWS/RH

FDSL : 11AF

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

2345  
GS-4B 2346

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

31 | 0815 63 [D]

1250 | - - - - 15 [D] - - - - | 1545

0525 | - - - - 65 [D] - - - -

DSN COVERAGE  
HPTXR

32 - - - - 34 [D] - - - - | 1055

2350 | - - - - 43 [B] - - - - | 0250

0635 | - 34 [O] -

HPTXR

RTLTL : 16h 48m 26s

1200 RTLTL=16h 48m 32s

0000 RTLTL=16h 48m 36s

VOYAGER 2

2253 | 2254 PWS/RH

▼ 0017 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B106  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

2253  
GS-4B 2254

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 @ 2253 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 2345 XB=2.8K(41) NOT RECOVERABLE

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 29, 1999  
363-364

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 26s

1200 RTLT=21h 18m 28s

0000 RTLT=21h 18m 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 --- 65 [D] --- | 1015

1245 | ----- 15 [D] ----- | 1830

0645 | 54 [D] |

DSN COVERAGE  
HPTXR

32 ----- 34 [o] ----- | 1050

2210 | ----- 43 [D] ----- | 0300

0635 | 34 [o] |

HPTXR

RTLT : 16h 48m 36s

1200 RTLT=16h 48m 42s

0000 RTLT=16h 48m 48s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 30, 1999  
364-365

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 30s

1200 RTLT=21h 18m 32s

0000 RTLT=21h 18m 32s

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 --- 54 [D] --- | 1000

1305 |----- 14 [D] ----- | 1935

0435 |----- 63 [D] -----

DSN COVERAGE  
HPTXR

32 ----- 34 [o] ----- | 1050

0030 |----- 43 [D] ----- | 0355

0530 |----- 34 [D] -----

HPTXR

1200 RTLT=16h 48m 54s

0000 RTLT=16h 48m 58s

RTLT : 16h 48m 48s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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

**JPL HOLIDAY**

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
DECEMBER 31, 1999  
365-001

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 32s

1200 RTLT=21h 18m 34s

0000 RTLT=21h 18m 36s

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

63 [D] -----|1635

0430 |----- 63 [D] -----

1615 |----- 24 [D] -----|2305

DSN COVERAGE  
HPTXR

32

34 [D] -----|1045

0620 |-- 34 [o] --

1855 |----- 45 [D] -----|2315

HPTXR

RTLT : 16h 48m 58s

1200 RTLT=16h 49m 4s

0000 RTLT=16h 49m 8s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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

**JPL HOLIDAY**

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8



ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 1, 2000  
001-002

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 36s

1200 RTLT=21h 18m 38s

0000 RTLT=21h 18m 38s

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

-----63 [D] ----- | 1215

0615 | - 63 [D] - -

1205 |

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

| 2055

2035 | - - 24 [D] - - - | 2300

HPTXR

DSN COVERAGE

32

--- 34 [o] --- | 1040

0005 | - - - 43 [D] - - - - | 0255

0620 | - 34 [o] - -

HPTXR

RTLT : 16h 49m 8s

1200 RTLT=16h 49m 14s

0000 RTLT=16h 49m 20s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 2, 2000  
002-003

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 38s

1200 RTLT=21h 18m 40s

0000 RTLT=21h 18m 42s

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 ----- 63 [D] ----- | 1205  
1230 | ----- 14 [D] ----- | 1945  
0430 | ----- 63 [D] -----

DSN COVERAGE  
HPTXR

32 ----- 34 [o] ----- | 1040  
1835 | ----- 43 [D] ----- | 2245  
0145 | ----- 34 [o] ----- | 0530

HPTXR

RTLT : 16h 49m 20s

1200 RTLT=16h 49m 24s

0000 RTLT=16h 49m 30s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 3, 2000  
003-004

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 42s

1200 RTLT=21h 18m 42s

0000 RTLT=21h 18m 44s

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

63 [D] -----| 1205

1200 |----- 14 [D] -----| 1545

1540 |----- 24 [D] -----| 2255

0420 |--- 63 [D] ---| 0645

HPTXR  
DSN COVERAGE

32

1840 |-- 43 [D] --| 2045

HPTXR

RTLT : 16h 49m 30s

1200 RTLT=16h 49m 34s

0000 RTLT=16h 49m 40s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 4, 2000  
004-005

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 18m 44s

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)

CR-5T

160(32)

2322 | 2322 PWS/RH

2334 |----- DTR MAINT -----| 0458  
0502- 0736 |--- TAPPOS ---|

2322  
GS-4B 2322

31 1155 |----- 14 [D] -----| 1545 0625 |-- 65 [D] --|

1525 |-- 25 [D] --| 1725

0415 |---- 63 [D] ----| 0645

DSN COVERAGE  
HPTXR

32 0900 |-- 34 [D] --| 1030

1840 |----- 45 [D] -----| 2215

0620 |-- 34 [D] --|

HPTXR

RTLTL : 16h 49m 40s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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)

2230 | 2231 PWS/RH

2230  
GS-4B 2231

1200 RTLTL=16h 49m 44s 0000 RTLTL=16h 49m 48s

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=GS-4B @ 2230 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 2322 XB=2.8K(41) NOT RECOVERABLE

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 5, 2000  
005-006

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 18m 46s

1200 RTLTL=21h 18m 48s

0000 RTLTL=21h 18m 48s

VOYAGER 1

U/L 1400 | - | - - - - - TLC SHORT-FORM - - - - -

FDSL : 11AF

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

1513 | PLSCAL - | 1655  
1513 | - - - - MAGCAL - - - - | 1815  
1513 | - - - - PESCAL - - - - | 1833

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31 - - - - - 65 [D] - - - - - | 1225 - - - - - 0625 | - - 65 [D] - - - - -

1330 | - - - - - 14 [T] - - - - - | 1925

0410 | - - - - 63 [D] - - - - | 0645

DSN COVERAGE  
HPTXR

32 - - - - 34 [D] - - - - | 1025

0505 | - - - - 43 [D] - - - -

HPTXR

RTLTL : 16h 49m 48s

1200 RTLTL=16h 49m 52s

0000 RTLTL=16h 49m 58s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 6, 2000  
006-007

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 18m 48s

1200 RTLTL=21h 18m 50s

0000 RTLTL=21h 18m 50s

VOYAGER 1

-- TLC SHORT-FORM -- | D/L - | 1257

FDSL : 11AF

CCSL : A033

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

FDS MODE

CR-5T

XB DATA RATE (MI)

160(32)

31

----- 65 [D] ----- | 1205

0530 | --- 63 [D] ---

1145 | ----- 14 [D] ----- | 1545

1525 | ----- 24 [D] ----- | 1945

HPTXR

DSN COVERAGE

32

--- 43 [D] --- | 1035

0545 | --- 34 [o] ---

HPTXR

1200 RTLTL=16h 50m 2s

0000 RTLTL=16h 50m 6s

RTLTL : 16h 49m 58s

VOYAGER 2

FDSL : 11AF

CCSL : B106

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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 7, 2000  
007-008

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 18m 50s

1200 RTLTL=21h 18m 50s

0000 RTLTL=21h 18m 52s

VOYAGER 1

▼ 1700 DUMMY (14:19)

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

HPTXR

DSN COVERAGE

32

HPTXR

RTLTL : 16h 50m 6s

1200 RTLTL=16h 50m 10s

0000 RTLTL=16h 50m 14s

VOYAGER 2

▼ 1917 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 8, 2000  
008-009

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 52s

1200 RTLT=21h 18m 52s

0000 RTLT=21h 18m 54s

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

HPTXR

DSN COVERAGE

32

HPTXR

RTLT : 16h 50m 14s

1200 RTLT=16h 50m 18s

0000 RTLT=16h 50m 22s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8



ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 9, 2000  
009-010

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 54s

1200 RTLT=21h 18m 54s

0000 RTLT=21h 18m 54s

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

1220

14 [D]

2330

0400

63 [D]

DSN COVERAGE  
HPTXR

32

34 [D] 1010

1930

34 [D]

0100

0645 - 0800 43 [D]

HPTXR

RTLT : 16h 50m 22s

1200 RTLT=16h 50m 26s

0000 RTLT=16h 50m 30s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 10, 2000  
010-011

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 54s

1200 RTLT=21h 18m 54s

0000 RTLT=21h 18m 56s

VOYAGER 1

↓ 1949 BEGIN SEQUENCE A034

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 ----- 63 [D] ----- | 1130  
1130 |----- 14 [D] ----- | 1545  
1635 |----- 24 [D] ----- | 2225  
0350 |--- 63 [D] --- | 0615  
0555 |--- 65 [D] ---

DSN COVERAGE  
HPTXR

32 0800 43 [D]  
1930 |----- 45 [D] ----- | 0115  
0615 |--- 45 [D] ---

HPTXR

RTLT : 16h 50m 30s

1200 RTLT=16h 50m 34s

0000 RTLT=16h 50m 38s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 11, 2000  
011-012

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 18m 56s

1200 RTLTL=21h 18m 56s

0000 RTLTL=21h 18m 56s

2258 | 2258 PWS/RH

VOYAGER 1

FDSL : 11AF

CCSL : A034  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

2258  
GS-4B 2258

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

31

HPTXR

DSN COVERAGE

32

HPTXR

RTLTL : 16h 50m 38s

1200 RTLTL=16h 50m 42s

0000 RTLTL=16h 50m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

2206 | 2207 PWS/RH

2320 | PLSCAL -| 0102

2320 | --- MAGCAL ---| 0222

2320 | ----- PESCAL -----| 0240

2206  
GS-4B 2207

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

VOYAGER COVERAGE

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

NOTES

- [1] S/C 32=GS-4B @ 2206 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 2258 XB=2.8K(41) NOT RECOVERABLE

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 12, 2000  
012-013

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 56s

1200 RTLT=21h 18m 56s

0000 RTLT=21h 18m 56s

VOYAGER 1

▼ 1700 DUMMY (14:19)

FDSL : 11AF

CCSL : A034  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1135 |----- 14 -----| 1855

0400 - 0745 |----- 63 [D] -----|

DSN COVERAGE  
HPTXR

32

1805 |--- 45 [D] ---| 2045

0530 |--- 45 [D] ---|

HPTXR

RTLT : 16h 50m 46s

1200 RTLT=16h 50m 50s

0000 RTLT=16h 50m 54s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 13, 2000  
013-014

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 56s

1200 RTLT=21h 18m 56s

0000 RTLT=21h 18m 56s

VOYAGER 1

U/L 1400 | - | - - - - - TLC SHORT-FORM - - - - -

FDSL : 11AF

CCSL : A034  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1130 | - - - - - 14 [T] - - - - - | 1545

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

DSN COVERAGE  
HPTXR

32

- - - 45 [D] - - - | 1005

1830 | - - - - - 34 [D] - - - - - | 2245

0545 | - - - 34 [o] - - -

HPTXR

RTLT : 16h 50m 54s

1200 RTLT=16h 50m 54s

0000 RTLT=16h 51m 0s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 14, 2000  
014-015

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 58s

1200 RTLT=21h 18m 58s

0000 RTLT=21h 18m 58s

VOYAGER 1

-- TLC SHORT-FORM -- | D/L -| 1247

FDSL : 11AF

CCSL : A034

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

63 [D] -- | 1005

1115 |

14 [D] -----

| 2310

0335 |

63 [D] -----

DSN COVERAGE

HPTXR

32

34 [o] -- | 0955

1935 |

43 [B] -----

0630 |

34 [o] --

0530

HPTXR

RTLT : 16h 51m 0s

1200 RTLT=16h 51m 4s

0000 RTLT=16h 51m 6s

VOYAGER 2

▼ 2112 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B106

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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 15, 2000  
015-016

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 18m 58s

1200 RTLT=21h 18m 58s

0000 RTLT=21h 18m 58s

VOYAGER 1

FDSL : 11AF

CCSL : A034  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 ----- 63 [D] ----- | 1130 0335 |----- 63 [D] -----

1110 |----- 14 [D] -----

1835 |----- 24 [D] -----

1855 |----- 2205

DSN COVERAGE  
HPTXR

32 -- 34 [o] -- | 0950

1755 |----- 45 [D] ----- | 0100

0025 |----- 43 [D] ----- | 0610

HPTXR

RTLT : 16h 51m 6s

1200 RTLT=16h 51m 10s

0000 RTLT=16h 51m 12s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 12/15/99 - 07:05

PST: 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  
JANUARY 16, 2000  
016-017

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 18m 58s

1200 RTLTL=21h 18m 58s

0000 RTLTL=21h 18m 58s

VOYAGER 1

FDSL : 11AF

CCSL : A034  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

HPTXR

DSN COVERAGE

32

HPTXR

RTLTL : 16h 51m 12s

1200 RTLTL=16h 51m 16s

0000 RTLTL=16h 51m 18s

VOYAGER 2

FDSL : 11AF

CCSL : B106  
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8