

ISSUE DATE: 12/08/99 - 08:46

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 9, 1999  
343-344

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 16m 26s

1200 RTLT=21h 16m 30s

0000 RTLT=21h 16m 34s

VOYAGER 1

S/C 31 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -18.087 sec

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

ROLLREF = RIGIL  
KENTAURUS

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31 --- 65 [D] --- | 1035

0640 | 65 [D] -

DSN COVERAGE  
HPTXR

32 --- 42 [D] --- | 1100

2010 | ----- 43 [D] ----- | 0130

0110 |----- 42 [D] -----

HPTXR

RTLT : 16h 44m 4s

1200 RTLT=16h 44m 12s

0000 RTLT=16h 44m 20s

VOYAGER 2

S/C 32 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -11.355 sec

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

ROLLREF = VEGA

↓ 2344 GYRO INIT  
↓ 2344 GYROS AB ON  
↓ 2354 GYRO FAULT TEST  
0046 || 0049 CCSTIM(B)

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: 12/08/99 - 08:46

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 10, 1999  
344-345

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 16m 34s

1200 RTLTL=21h 16m 38s

0000 RTLTL=21h 16m 42s

VOYAGER 1

FDSL : 11AF

▼ 1700 DUMMY (14:16)

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] --- | 1035      1335 | --- 14 --- | 1805      0635 | 65 [D] |

DSN COVERAGE  
HPTXR

32 --- 42 [D] --- | 1055      2000 | --- 43 [D] --- | 2215      0245 | --- 42 [D] |

HPTXR

RTLTL : 16h 44m 20s

1200 RTLTL=16h 44m 28s

0000 RTLTL=16h 44m 36s

COMMAND MORATORIUM

0659

VOYAGER 2

FDSL : 11AF

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

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: 12/08/99 - 08:46

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 11, 1999  
345-346

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 16m 42s

1200 RTLT=21h 16m 46s

0000 RTLT=21h 16m 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 ----- 65 [D] ----- | 1035

1355 | ----- 15 [D] ----- | 1755

0630 | 65 [D] -----

DSN COVERAGE  
HPTXR

32 ----- 42 [D] ----- | 1050

1955 | ----- 43 [D] ----- | 0700

42 [o] 0800

HPTXR

RTLT : 16h 44m 36s

1200 RTLT=16h 44m 44s

0000 RTLT=16h 44m 52s

VOYAGER 2

FDSL : 11AF

CCSL : B105

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : ON

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: 12/08/99 - 08:46

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 12, 1999  
346-347

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 16m 50s

1200 RTLT=21h 16m 54s

0000 RTLT=21h 16m 58s

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] --- | 1030

1320 |----- 14 [D] -----| 2315

DSN COVERAGE  
HPTXR

32 --- 42 [o] --- | 0800 - 1045

2100 |----- 43 [D] -----| 0425 |----- 34 [D] -----| 0445

HPTXR

RTLT : 16h 44m 52s

1200 RTLT=16h 44m 58s

0000 RTLT=16h 45m 6s

VOYAGER 2

FDSL : 11AF

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

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: 12/08/99 - 08:46

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 13, 1999  
347-348

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 16m 58s

1200 RTLT=21h 17m 2s

0000 RTLT=21h 17m 6s

VOYAGER 1

↓ 1939 SLEW->HELIO-19A

FDSL : 11AF

U/L 2300 | - | - - - - - TLC (SHORT-FORM) - - - - -

SLEW->HELIO-18A 0739 ↓

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

1345 | - - - - - 15 [D] - - - - - | 1755

1925 | - - - - - 24 [T] - - - - - | 0010

DSN COVERAGE HPTXR

32

--- 34 [D] --- | 1045

0110 | - - - - - 42 [D] - - - - - | 0630 | - 34 [O] - -  
| 0635

HPTXR

RTLT : 16h 45m 6s

1200 RTLT=16h 45m 14s

0000 RTLT=16h 45m 22s

VOYAGER 2

↓ 0044 GYRO INIT

FDSL : 11AF

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

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: 12/08/99 - 08:46

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 14, 1999  
348-349

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 6s

1200 RTLTL=21h 17m 8s

0000 RTLTL=21h 17m 12s

VOYAGER 1

↓ 1939 SLEW->HELIO-17A

FDSL : 11AF

TLC (SHORT-FORM)

D/L -| 2145

0033 | 0034 PWS/RH

SLEW->HELIO-16A 0739 ↓

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

▼ 1901 EL-40 (16:19)

▼ 1916 CCSL A034 (16:33)

▼ 1940 DUMMY (16:57)

▼ 1945 CR-5T (17:02)

0033  
GS-4B 0034

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

CR-5T

160(32)

31

1310

14

2200

0620

65 [D]

2140 | --- 24 [D] --- | 0010

DSN COVERAGE  
HPTXR

32

1150

1945

43 [D]

0355

0615

45 [D]

HPTXR

1200 RTLTL=16h 45m 28s

0000 RTLTL=16h 45m 36s

RTLTL : 16h 45m 22s

VOYAGER 2

↓ 1805 BEGIN B106

FDSL : 11AF

2340 | 2340 PWS/RH

0053 | PLSCAL -| 0236

0053 | --- MAGCAL --- | 0356

0053 | --- PESCAL --- | 0413

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

2340  
GS-4B 2340

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 @ 2340 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 0033 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: 12/08/99 - 08:46

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 15, 1999  
349-350

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 12s

1200 RTLTL=21h 17m 16s

0000 RTLTL=21h 17m 20s

VOYAGER 1

↓ 1939 SLEW->HELIO-15A

SLEW->HELIO-14A 0739 ↓

FDSL : 11AF

1649 || 1653 CCS CHKSUM

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

\*  
1619  
EL-40  
\*  
1703

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

[1]

CR-5T

160(32)

31 65 [D] - | 0925

1530 |----- 14 [D] ----- | 2210

DSN COVERAGE  
HPTXR

32 ----- 45 [D] ----- | 1155

0115 |----- 43 [B] ----- | 0405  
0530 |----- 45 [D] -----

HPTXR

RTLTL : 16h 45m 36s

1200 RTLTL=16h 45m 44s

0000 RTLTL=16h 45m 50s

▼ 0142 DUMMY (BRACKETED 5MIN NO D/L)

VOYAGER 2

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

[1] XB = 40(30) @ 1619

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: 12/08/99 - 08:46

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

RTLT : 21h 17m 20s

1200 RTLT=21h 17m 22s

0000 RTLT=21h 17m 26s

VOYAGER 1

↓ 1939 SLEW->HELIO-13A

SLEW->HELIO-12A 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

1405 |----- 24 [D] -----| 0000

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

DSN COVERAGE  
HPTXR

32

----- 45 [D] -----| 1150

1935 - 0715 |----- 43 [D] -----| 0655 | 34 [D] |

HPTXR

RTLT : 16h 45m 50s

1200 RTLT=16h 45m 58s

0000 RTLT=16h 46m 6s

VOYAGER 2

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

↓ 0055 AAI

0058 |----- MAGROL -----| 0653

FDSL : 11AF

RAI 0646 ↓

CRU 0653 ↓

GYROS OFF 0653 ↓

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

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: 12/08/99 - 08:46

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: 12/08/99 - 08:46

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

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: 12/08/99 - 08:46

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: 12/08/99 - 08:46

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: 12/08/99 - 08:46

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

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

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: 12/08/99 - 08:46

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

RTLT : 21h 17m 54s

1200 RTLT=21h 17m 58s

0000 RTLT=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] -----| 0035

0550 |--- 65 [D] ---|

DSN COVERAGE  
HPTXR

32

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

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

34 [D] 0745 |

HPTXR

RTLT : 16h 47m 12s

1200 RTLT=16h 47m 20s

0000 RTLT=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: 12/08/99 - 08:46

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: 12/08/99 - 08:46

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

RTLT : 21h 18m 4s

1200 RTLT=21h 18m 8s

0000 RTLT=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

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

DSN COVERAGE  
HPTXR

32

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

0300 |-----

34 [o]-----

HPTXR

RTLT : 16h 47m 38s

1200 RTLT=16h 47m 44s

0000 RTLT=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: 12/08/99 - 08:46

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

63 [D]

1230 | 1245

14 [D]

1845

0500

63 [D]

DSN COVERAGE  
HPTXR

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: 12/08/99 - 08:46

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

0450

63 [D]

1230

14 [D]

1905

DSN COVERAGE  
HPTXR

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

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