

ISSUE DATE: 02/03/99 - 08:48

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
FEBRUARY 4, 1999
035-036

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 : 20h 18m 20s

1200 RTLTL=20h 18m 20s

0000 RTLTL=20h 18m 18s

VOYAGER 1

FDSSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

S/C 31 STATUS
FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -16.486 sec
ROLLREF = RIGIL
KENTAURUS

▼ 1555 DUMMY (12:13)

U/L 1615 | - |

TLC (SHORT-FORM) -----

↓ 1939 SLEW->HELIO-17C

SLEW->HELIO-18C 0739 ↓

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31

1500 | - - - - - 24 - - - - - | 2100

DSN COVERAGE
HPTXR

32

0845 43 [B]

1630 | - - - - - 43 [D] - - - - - | 2205

2215 | - - - - - 34 [o] - - - - - | 0600

HPTXR

RTLTL : 16h 1m 34s

1200 RTLTL=16h 1m 34s

0000 RTLTL=16h 1m 36s

VOYAGER 2

FDSSL : 11AF

CCSL : B102
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: 20.610 sec
ROLLREF = VEGA

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: 02/03/99 - 08:48

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

<p>FRIDAY FEBRUARY 5, 1999 036-037</p>	
<p>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</p> <p>RTLTL : 20h 18m 18s</p> <p>VOYAGER 1</p> <p>FDSL : 11AF</p> <p>CCSL : A030 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : ON</p> <p>FDS MODE XB DATA RATE (MI)</p>	<p>1200 RTLTL=20h 18m 16s</p> <p>0000 RTLTL=20h 18m 14s</p> <p>↓ 1955 X/B LOW POWER ↓ 1959 BAY 1 HTR ON</p> <p>TLC (SHORT-FORM) ----- D/L - 1401</p> <p>↓ 1332 AAI ↓ 1310 BAY 1 HTR OFF ↓ 1314 X/B HI POWER</p> <p>1335 ----- MAGROL ----- 1930</p> <p>↓ 1923 RAI ↓ 1930 CRU ↓ 1930 GYROS OFF ↓ 1939 SLEW->HELIO-19C</p> <p>SLEW->HELIO-20C 0739 ↓</p> <p>CR-5T 160 (32)</p>
<p>DSN COVERAGE</p> <p>HPTXR</p> <p>HPTXR</p>	<p>31 1045 ----- 14 [D] ----- 1555 0205 ----- 63 [D] -----</p> <p>1535 ----- 24 [D] ----- 2055</p> <p>32 1625 ----- 43 [D] ----- 2205 2200 ----- 34 [o] -----</p>
<p>RTLTL : 16h 1m 36s</p> <p>VOYAGER 2</p> <p>FDSL : 11AF</p> <p>CCSL : B102 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF</p> <p>FDS MODE XB DATA RATE (MI)</p> <p>VOYAGER COVERAGE</p>	<p>1200 RTLTL=16h 1m 36s</p> <p>0000 RTLTL=16h 1m 36s</p> <p>CR-5T 160 (32)</p> <p>----- ON CALL -----</p>
<p>NOTES</p>	<p>[1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (1335-1930)</p>

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: 02/03/99 - 08:48

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
FEBRUARY 6, 1999
037-038

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 : 20h 18m 14s

1200 RTLT=20h 18m 14s

0000 RTLT=20h 18m 12s

VOYAGER 1

↓ 1910 SLEW->HELIO-1B

SLEW->HELIO-2B 0739 ↓

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31 | 0815 63 [D]

1445 |----- 24 [D] -----| 2050

0200 |----- 63 [D] -----|

DSN COVERAGE
HPTXR

32 | 0810 34 [o]

1620 |----- 43 [D] -----| 2220

0305 |----- 42 [D] -----| 0705

HPTXR

RTLT : 16h 1m 36s

1200 RTLT=16h 1m 36s

0000 RTLT=16h 1m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 7, 1999
038-039

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 : 20h 18m 12s

1200 RTLTL=20h 18m 10s

0000 RTLTL=20h 18m 8s

VOYAGER 1

↓ 1939 SLEW->HELIO-3B

SLEW->HELIO-4B 0739 ↓

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31 | 0815 63 [D] | 1130 |----- 24 [D] -----| 1445 | 0200 |----- 63 [D] -----|

DSN COVERAGE
HPTXR

32 | 1615 |----- 43 [D] -----| 2215

HPTXR

RTLTL : 16h 1m 36s

1200 RTLTL=16h 1m 36s

0000 RTLTL=16h 1m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 8, 1999
039-040

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 : 20h 18m 8s

1200 RTLT=20h 18m 6s

0000 RTLT=20h 18m 4s

VOYAGER 1

↓ 1939 SLEW->HELIO-5B

SLEW->HELIO-6B 0739 ↓

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31 | 0815 63 [D]

1400 | ----- 24 [D] ----- | 1845

0205 | ----- 63 [D] -----

DSN COVERAGE
HPTXR

32

1615 | ----- 43 [D] ----- | 2045

HPTXR

RTLT : 16h 1m 36s

1200 RTLT=16h 1m 36s

0000 RTLT=16h 1m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 9, 1999
040-041

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 : 20h 18m 4s

1200 RTLTL=20h 18m 4s

0000 RTLTL=20h 18m 2s

VOYAGER 1

↓ 1939 SLEW->HELIO-7B
2115 | 2116 PWS/RH

FDSL : 11AF

U/L 0540 | - |
TLC (SHORT-FORM) | - - - - - |
SLEW->HELIO-8B 0739 ↓

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

2115
GS-4B 2116

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

CR-5T
160(32)

31 | 0815 63 [D]

1345 | - - - - - 24 [D] - - - - - | 2040

0205 | - - - - - 63 [T] - - - - - | 0645

DSN COVERAGE
HPTXR

32

1610 | - - - - - 43 [D] - - - - - | 2210

HPTXR

RTLTL : 16h 1m 36s

1200 RTLTL=16h 1m 36s

0000 RTLTL=16h 1m 36s

VOYAGER 2

2030 | 2030 PWS/RH
2207 | PLSCAL - | 2350
2207 | - - - - - MAGCAL - - - - - | 0110
2207 | - - - - - PESCAL - - - - - | 0127

FDSL : 11AF

CCSL : B102
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

2030
GS-4B 2030

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 @ 2030 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 2115 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: 02/03/99 - 08:48

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
FEBRUARY 10, 1999
041-042

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 : 20h 18m 2s

1200 RTLTL=20h 18m 0s

0000 RTLTL=20h 17m 58s

VOYAGER 1

↓ 1939 SLEW->HELIO-9B

FDSL : 11AF

SLEW->HELIO-10B 0739 ↓

TLC (SHORT-FORM)

D/L 0326

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1115 54 [D] 1225

0145 ----- 63 [D] ----- 0645

DSN COVERAGE HPTXR

32

1815 ----- 43 [B] ----- 2205

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

HPTXR

RTLTL : 16h 1m 36s

1200 RTLTL=16h 1m 36s

0000 RTLTL=16h 1m 36s

VOYAGER 2

▼ 1842 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 11, 1999
042-043

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 : 20h 17m 58s

1200 RTLTL=20h 17m 56s

0000 RTLTL=20h 17m 54s

VOYAGER 1

↓ 1939 SLEW->MIDPNT-B

SLEW->HELIO-11B 0713 ↓

FDSL : 11AF

▼ 1745 DUMMY (14:03)

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1420 |--- 14 [D] ---| 1630

0140 |----- 63 [D] -----|

1615 |----- 24 -----| 2030

DSN COVERAGE
HPTXR

32 | 0810 45 [D]

1600 |----- 43 [D] -----| 2205

HPTXR

RTLTL : 16h 1m 36s

1200 RTLTL=16h 1m 36s

0000 RTLTL=16h 1m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 12, 1999
043-044

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 : 20h 17m 54s

1200 RTLT=20h 17m 52s

0000 RTLT=20h 17m 50s

VOYAGER 1

↓ 1939 SLEW->HELIO-12B

SLEW->HELIO-13B 0739 ↓

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 -- | 0830 63 [D]

1345 |----- 24 [D] -----| 2030

0515 |---- 61 [D] ----

DSN COVERAGE
HPTXR

32

1600 |----- 43 [D] -----| 2200

0335 |----- 34 [o] -----| 0700

HPTXR

RTLT : 16h 1m 36s

1200 RTLT=16h 1m 34s

0000 RTLT=16h 1m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 13, 1999
044-045

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 : 20h 17m 50s

1200 RTLT=20h 17m 48s

0000 RTLT=20h 17m 46s

VOYAGER 1

↓ 1939 SLEW->HELIO-14B

SLEW->HELIO-15B 0739 ↓

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 61 [D] | 0915

1330 | ----- 24 [D] ----- | 2025

0145 | ----- 63 [D] -----

DSN COVERAGE
HPTXR

32

1600 | ----- 43 [o] ----- | 0255

HPTXR

RTLT : 16h 1m 34s

1200 RTLT=16h 1m 34s

0000 RTLT=16h 1m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 14, 1999
045-046

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 : 20h 17m 46s

1200 RTLT=20h 17m 44s

0000 RTLT=20h 17m 42s

VOYAGER 1

↓ 1939 SLEW->HELIO-16B

SLEW->HELIO-17B 0739 ↓

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 | 0830 63 [D] | 0955 | 24 [D] | 2020 | 0130 | 63 [D]

DSN COVERAGE
HPTXR

32 | 1550 | 43 [D] | 2155 | 0315- 0715 | 34 [D]

HPTXR

RTLT : 16h 1m 34s

1200 RTLT=16h 1m 32s

0000 RTLT=16h 1m 32s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 15, 1999
046-047

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 : 20h 17m 42s

1200 RTLTL=20h 17m 40s

0000 RTLTL=20h 17m 38s

VOYAGER 1

↓ 1939 SLEW->HELIO-18B

SLEW->HELIO-19B 0739 ↓

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 | 0815 63 [D] | 1100 |----- 24 [D] -----| 1420 | 0125 |----- 63 [D] -----|

HPTXR

1405 |-- 14 [D] --| 1545

DSN COVERAGE

32

1630 |----- 43 [D] -----| 2045

0330 - 0730 |----- 34 [o] -----|

HPTXR

RTLTL : 16h 1m 32s

1200 RTLTL=16h 1m 32s

0000 RTLTL=16h 1m 30s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 16, 1999
047-048

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 : 20h 17m 38s
VOYAGER 1
FDSL : 11AF
CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=20h 17m 36s

0000 RTLTL=20h 17m 34s

↓ 1939 SLEW->HELIO-20B
2051 | 2052 PWS/RH

U/L 0540 | - |
TLC (SHORT-FORM) | - - - - -

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

2051
GS-4B 2052

31 | 0815 63 [D]

1430 | - - - - - 24 - - - - - | 1720

0345 | - - - - - 61 [T] - - - - - | 0630

DSN COVERAGE
HPTXR

32

2005 | - - - - - 42 [D] - - - - - | 0005

0115 - 0750 | - - - - - 45 [D] - - - - - |

HPTXR

RTLTL : 16h 1m 30s

1200 RTLTL=16h 1m 30s

0000 RTLTL=16h 1m 28s

VOYAGER 2

FDSL : 11AF
CCSL : B102
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

2005 | 2006 PWS/RH

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

2006
GS-4B 2006

VOYAGER COVERAGE

ON CALL

NOTES

- [1] S/C 32=GS-4B @ 2006 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 2051 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: 02/03/99 - 08:48

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
FEBRUARY 17, 1999
048-049

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 : 20h 17m 34s

1200 RTLT=20h 17m 32s

0000 RTLT=20h 17m 30s

VOYAGER 1

↓ 1409 SLEW->HELIO-20A

FDSL : 11AF

TLC (SHORT-FORM)

D/L 0326

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1100 |----- 24 [D] -----| 1745

0120 |----- 63 [D] -----| 0645

DSN COVERAGE
HPTXR

32

2015 |----- 42 [D] -----| 2340

0310 |----- 34 [o] -----| 0630

HPTXR

RTLT : 16h 1m 28s

1200 RTLT=16h 1m 28s

0000 RTLT=16h 1m 26s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 18, 1999
049-050

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 : 20h 17m 30s

1200 RTLT=20h 17m 28s

0000 RTLT=20h 17m 26s

VOYAGER 1

↓ 1409 SLEW->HELIO-19A

FDSL : 11AF

▼ 1630 DUMMY (12:47)

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1400 |----- 24 -----| 1810

0115 |----- 63 [D] -----|

DSN COVERAGE
HPTXR

32

1535 |----- 43 [D] -----| 2140

HPTXR

RTLT : 16h 1m 26s

1200 RTLT=16h 1m 26s

0000 RTLT=16h 1m 24s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 19, 1999
050-051

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 : 20h 17m 26s

1200 RTLT=20h 17m 24s

0000 RTLT=20h 17m 22s

VOYAGER 1

↓ 1409 SLEW->HELIO-18A

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 | 0815 63 [D]

1145 |-----24 [D]-----| 1635

0110 |-----63 [D]-----|

DSN COVERAGE
HPTXR

32

1535 |-----43 [B]-----| 0230

0245- 0715 |-----34 [D]-----|

HPTXR

RTLT : 16h 1m 24s

1200 RTLT=16h 1m 24s

0000 RTLT=16h 1m 22s

VOYAGER 2

▼ 2357 DUMMY (BRACKETED 5MIN 15:58)

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 20, 1999
051-052

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 : 20h 17m 22s

1200 RTLTL=20h 17m 20s

0000 RTLTL=20h 17m 18s

VOYAGER 1

↓ 1409 SLEW->HELIO-17A

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 | 0815 63 [D]

1255 |----- 24 [D] ----- | 1615

0105 |----- 63 [D] ----- |

DSN COVERAGE
HPTXR

32

1525 |----- 43 [D] ----- | 2135

0230 - 0715 |----- 34 [D] ----- |

HPTXR

RTLTL : 16h 1m 22s

1200 RTLTL=16h 1m 20s

0000 RTLTL=16h 1m 20s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 21, 1999
052-053

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 : 20h 17m 18s

1200 RTLTL=20h 17m 16s

0000 RTLTL=20h 17m 14s

VOYAGER 1

↓ 1409 SLEW->HELIO-16A

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 | 0815 63 [D]

1245 | ----- 24 [D] ----- | 1645

0525 | --- 61 [D] ---

DSN COVERAGE
HPTXR

32

1525 | -- 43 [D] --- | 1745

0245 - 0710 | ----- 34 [o] ----- |

HPTXR

RTLTL : 16h 1m 20s

1200 RTLTL=16h 1m 18s

0000 RTLTL=16h 1m 16s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 22, 1999
053-054

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 : 20h 17m 14s

1200 RTLT=20h 17m 12s

0000 RTLT=20h 17m 10s

VOYAGER 1

↓ 1409 SLEW->HELIO-15A

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 --- 61 [D] --- | 1025

0320 |----- 61 [D] -----| 0630

DSN COVERAGE
HPTXR

32

2100 |----- 42 [o] -----| 0605

HPTXR

RTLT : 16h 1m 16s

1200 RTLT=16h 1m 16s

0000 RTLT=16h 1m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 23, 1999
054-055

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 : 20h 17m 10s
VOYAGER 1
FDSL : 11AF
CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

↓ 1409 SLEW->HELIO-14A
2027 | 2028 PWS/RH
↓ 0155 GYRO INIT
↓ 0155 GYROS BC ON
↓ 0205 GYRO FAULT TEST

2027
GS-4B 2028

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

DSN COVERAGE HPTXR
31 |----- 14 [D] -----| 0835- 1510
0055 |----- 63 [D] -----| 0625 | 61 [D] |

HPTXR
32 |----- 1515 |----- 43 [B] -----| 0230
0210 |----- 34 [D] -----| 0700

RTLT : 16h 1m 14s
VOYAGER 2
FDSL : 11AF
CCSL : B102
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=16h 1m 12s
0000 RTLT=16h 1m 10s
1941 | 1942 PWS/RH
▼ 2357 DUMMY (BRACKETED 5MIN 15:58)

1941
GS-4B 1942

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 @ 1941 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 2027 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: 02/03/99 - 08:48

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
FEBRUARY 24, 1999
055-056

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 : 20h 17m 6s

1200 RTLT=20h 17m 4s

0000 RTLT=20h 17m 2s

VOYAGER 1

U/L 1155 | - | - - - - - TLC (SHORT-FORM) - - - - -

FDSL : 11AF

↓ 1409 SLEW->HELIO-13A

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 --- 61 [D] --- | 1030 0630 | - 61 [D] -

1015 | - - - - - 24 - - - - - | 1420

DSN COVERAGE
HPTXR

32

1540 | - - - - - 43 [D] - - - - - | 2125

HPTXR

RTLT : 16h 1m 10s

1200 RTLT=16h 1m 8s

0000 RTLT=16h 1m 8s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 25, 1999
056-057

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 : 20h 17m 2s

1200 RTLTL=20h 16m 58s

0000 RTLTL=20h 16m 56s

VOYAGER 1

--| TLC (SHORT-FORM)
| D/L -| 0940

↓ 1409 SLEW->HELIO-12A

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 --- 61 [D] --- | 1030

1135 | - - - - - 24 - - - - - | 1445

0045 | - - - - - 63 [D] - - - - - | 0645

DSN COVERAGE
HPTXR

32

1505 | - - - - - 43 [D] - - - - - | 2120

0100 | - - - - - 34 [o] - - - - - | 0655

HPTXR

RTLTL : 16h 1m 8s

1200 RTLTL=16h 1m 6s

0000 RTLTL=16h 1m 4s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 26, 1999
057-058

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 : 20h 16m 56s

1200 RTLT=20h 16m 54s

0000 RTLT=20h 16m 52s

VOYAGER 1

↓ 1409 SLEW->HELIO-11A

▼ 2130 DUMMY (17:47)

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

2045

42

2350

0045 - 0735

63 [D]

DSN COVERAGE
HPTXR

32

1505

43 [D]

2120

0100

34 [o]

0650

HPTXR

RTLT : 16h 1m 4s

1200 RTLT=16h 1m 2s

0000 RTLT=16h 1m 0s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 27, 1999
058-059

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 : 20h 16m 52s

1200 RTLT=20h 16m 50s

0000 RTLT=20h 16m 48s

VOYAGER 1

↓ 1409 SLEW->MIDPNT-A

↓ 0255 GYRO INIT

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1230 |-----24 [D]-----| 1930

0125 - 0745 |-----63 [D]-----|

DSN COVERAGE
HPTXR

32

1915 |-----43 [D]-----| 2215

2330 |-----34 [D]-----| 0645

HPTXR

RTLT : 16h 1m 0s

1200 RTLT=16h 0m 58s

0000 RTLT=16h 0m 56s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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: 02/03/99 - 08:48

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
FEBRUARY 28, 1999
059-060

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 : 20h 16m 48s

1200 RTLT=20h 16m 46s

0000 RTLT=20h 16m 44s

VOYAGER 1

↓ 1346 SLEW->HELIO-10A

FDSL : 11AF

CCSL : A030
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1315 |----- 24 [D] -----| 1910

0035 - 0745 |----- 63 [D] -----|

65 [D] 0725 |--

DSN COVERAGE
HPTXR

32

2030 |-- 42 [D] ---| 2245

0055 |----- 45 [D] -----| 0700

HPTXR

RTLT : 16h 0m 56s

1200 RTLT=16h 0m 54s

0000 RTLT=16h 0m 52s

VOYAGER 2

FDSL : 11AF

CCSL : B102
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