

ISSUE DATE: 01/06/99 - 08:05

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 7, 1999
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

RTLT : 20h 18m 46s

1200 RTLT=20h 18m 46s

0000 RTLT=20h 18m 48s

VOYAGER 1

S/C 31 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -16.400 sec

CCSL : A029

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

1830 |----- 15 [D] -----| 2315

DSN COVERAGE HPTXR

32

42 [o] | 0905

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

HPTXR

2345 |--- 42 [D] ---| 0145

RTLT : 15h 59m 24s

1200 RTLT=15h 59m 28s

0000 RTLT=15h 59m 32s

VOYAGER 2

S/C 32 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: 23.522 sec

CCSL : B102

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

ROLLREF = VEGA

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

VOYAGER COVERAGE

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

NOTES

UTC: 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: 01/06/99 - 08:05

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 8, 1999
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 : 20h 18m 48s

1200 RTLT=20h 18m 48s

0000 RTLT=20h 18m 48s

VOYAGER 1

FDSL : 11AF

CCSL : A029
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31

1305 |-----| 14 [D] |-----| 1745

DSN COVERAGE
HPTXR

32

--- 34 [o] --- | 1000

1810 |-----| 43 [D] |-----| 2340

0215 |-----| 42 [o] |-----|

HPTXR

RTLT : 15h 59m 32s

1200 RTLT=15h 59m 36s

0000 RTLT=15h 59m 40s

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: 01/06/99 - 08:05

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 9, 1999
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 : 20h 18m 48s

1200 RTLT=20h 18m 50s

0000 RTLT=20h 18m 50s

VOYAGER 1

FDSL : 11AF

CCSL : A029
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31 0930 |--- 61 [D] ---| 1150 0445 |----- 63 [D] -----

1255 |----- 14 [D] -----| 1800

DSN COVERAGE HPTXR

32 ---| 0855 42 [o] 2335 |--- 42 [D] ---| 0145 0600 |--- 42 [o] ---

1925 |----- 43 [D] -----| 2355

HPTXR

RTLT : 15h 59m 40s

1200 RTLT=15h 59m 44s

0000 RTLT=15h 59m 48s

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: 01/06/99 - 08:05

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 10, 1999
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

RTLTL : 20h 18m 50s

1200 RTLTL=20h 18m 50s

0000 RTLTL=20h 18m 50s

VOYAGER 1

FDSL : 11AF

CCSL : A029

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 : 15h 59m 48s

1200 RTLTL=15h 59m 52s

0000 RTLTL=15h 59m 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: 01/06/99 - 08:05

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 11, 1999
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 : 20h 18m 50s

1200 RTLTL=20h 18m 52s

0000 RTLTL=20h 18m 52s

VOYAGER 1

↓ 1919 BEGIN SEQUENCE A030

FDSL : 11AF

CCSL : A029
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] --- | 1020

2255 | --- 42 [D] --- | 0145

DSN COVERAGE
HPTXR

32 --- | 0830 45 [D]

1805 | --- 43 [D] --- | 2045

0245 | --- 45 [D] ---

HPTXR

RTLTL : 15h 59m 56s

1200 RTLTL=16h 0m 0s

0000 RTLTL=16h 0m 2s

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: 01/06/99 - 08:05

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 12, 1999
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

RTLTL : 20h 18m 52s

1200 RTLTL=20h 18m 52s

0000 RTLTL=20h 18m 52s

VOYAGER 1

2252 | 2252 PWS/RH

FDSL : 11AF

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

2252
GS-4B 2252

FDS MODE
XB DATA RATE (MI)

CR-5T

CR-5T

160 (32)

160(32)

31

1115 |----- 14 [D] -----

1745

1845 |----- 15 [D] ----- | 2255

DSN COVERAGE
HPTXR

32

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

1755 |----- 43 [D] ----- | 2330

0600 |--- 43 [B] ---

HPTXR

0345 |--- 45 [D] --- | 0620

RTLTL : 16h 0m 2s

1200 RTLTL=16h 0m 6s

0000 RTLTL=16h 0m 10s

VOYAGER 2

2205 | 2206 PWS/RH

FDSL : 11AF

2342 | PLSCAL - | 0125

2342 |--- MAGCAL --- | 0245

2342 |--- PESCAL --- | 0302

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

DUMMY (BRACKETED 5MIN 23:02) 0702 ▼

FDS MODE
XB DATA RATE (MI)

CR-5T

CR-5T

160 (32)

160(32)

2205
GS-4B 2206

VOYAGER COVERAGE

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

----- |--- VGR -----

NOTES

- [1] S/C 32=GS-4B @ 2205 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 2252 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: 01/06/99 - 08:05

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 13, 1999
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

RTLTL : 20h 18m 52s

1200 RTLTL=20h 18m 52s

0000 RTLTL=20h 18m 52s

VOYAGER 1

▼ 1620 DUMMY (12:48)

FDSL : 11AF

U/L 1635 | - | - - - - - TLC (SHORT-FORM) - - - - -

↓ 0410 SLEW->HELIO-1A

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

1240 | - - - - - 14 [T] - - - - - | 1740

DSN COVERAGE
HPTXR

32

- - | 0830 43 [B]

1855 | - - - - - 43 [D] - - - - - | 0000

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

HPTXR

RTLTL : 16h 0m 10s

1200 RTLTL=16h 0m 14s

0000 RTLTL=16h 0m 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 - - - - -

| 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: 01/06/99 - 08:05

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 14, 1999
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 : 20h 18m 52s

1200 RTLT=20h 18m 52s

0000 RTLT=20h 18m 52s

VOYAGER 1

FDSL : 11AF

----- TLC (SHORT-FORM) ----- | D/L - | 1422

↓ 1610 SLEW->HELIO-2A

↓ 0410 SLEW->HELIO-3A

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

1110 |----- 14 [D] -----| 1545

DSN COVERAGE

HPTXR

32

--- 45 [D] --- | 1000

1750 |----- 43 [D] -----| 2325

0235 |----- 45 [D] -----

HPTXR

RTLT : 16h 0m 16s

1200 RTLT=16h 0m 20s

0000 RTLT=16h 0m 22s

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: 01/06/99 - 08:05

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 15, 1999
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

RTLTL : 20h 18m 52s

1200 RTLTL=20h 18m 52s

0000 RTLTL=20h 18m 52s

VOYAGER 1

↓ 1610 SLEW->HELIO-4A

↓ 0410 SLEW->HELIO-5A

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

1105 |-----14-----|1745

1725 | 25 [D] -| 1845

DSN COVERAGE
HPTXR

32

---|0845 45 [D]

2030 |---- 43 [D] ----|2320

0345 |----- 45 [D] -----|

HPTXR

RTLTL : 16h 0m 22s

1200 RTLTL=16h 0m 26s

0000 RTLTL=16h 0m 28s

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: 01/06/99 - 08:05

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 16, 1999
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

RTLT : 20h 18m 52s

1200 RTLT=20h 18m 52s

0000 RTLT=20h 18m 52s

VOYAGER 1

↓ 1610 SLEW->HELIO-6A

↓ 0410 SLEW->HELIO-7A

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

1100 |----- 14 [D] -----| 1630

DSN COVERAGE
HPTXR

32

-- 45 [D] --| 0950

1915 |-- 42 [D] --| 2110

0545 |-- 42 [D] ----

2210 | 43 [D] | 2320

HPTXR

RTLT : 16h 0m 28s

1200 RTLT=16h 0m 32s

0000 RTLT=16h 0m 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: 01/06/99 - 08:05

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 17, 1999
017-018

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 52s

1200 RTLT=20h 18m 52s

0000 RTLT=20h 18m 52s

VOYAGER 1

↓ 1610 SLEW->HELIO-8A

↓ 0410 SLEW->HELIO-9A

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

1100 |-----14 [D]-----| 1645

1845 |-----15 [D]-----| 2235

DSN COVERAGE
HPTXR

32

--| 0825 42 [D]
|--45 [D] --| 0805 - 0945

0245 - 0755 |-----45 [D]-----|

HPTXR

RTLT : 16h 0m 34s

1200 RTLT=16h 0m 38s

0000 RTLT=16h 0m 40s

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: 01/06/99 - 08:05

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 18, 1999
018-019

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 52s

1200 RTLT=20h 18m 52s

0000 RTLT=20h 18m 50s

VOYAGER 1

↓ 1610 SLEW->HELIO-10A

↓ 0410 SLEW->MIDPT-A

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

----- 65 [D] ----- | 0845 - 1445

0345 |----- 63 [D] -----

DSN COVERAGE
HPTXR

32

1745 |----- 43 [D] ----- | 2045

0415 |----- 34 [O] -----

HPTXR

RTLT : 16h 0m 40s

1200 RTLT=16h 0m 42s

0000 RTLT=16h 0m 46s

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: 01/06/99 - 08:05

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 19, 1999
019-020

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 50s

1200 RTLT=20h 18m 50s

0000 RTLT=20h 18m 50s

VOYAGER 1

↓ 1610 SLEW->HELIO-11A

2228 | 2228 PWS/RH

SLEW->HELIO-12A 0410 ↓

FDSL : 11AF

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

2228
GS-4B 2228

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

31 --- { 0845 63 [D] 1050 |----- 14 -----| 1710 0310 |----- 63 [D] -----|

DSN COVERAGE
HPTXR

32 34 [o] -| 0920 1745 |----- 43 [D] -----| 2305 0640 | 43 [B] -|

HPTXR

0355 |----- 45 [D] -----| 0700

RTLT : 16h 0m 46s

1200 RTLT=16h 0m 48s

0000 RTLT=16h 0m 50s

VOYAGER 2

2141 | 2142 PWS/RH

DUMMY (BRACKETED 5MIN 23:08) 0707 ▼

FDSL : 11AF

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

2141
GS-4B 2142

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=GS-4B @ 2141 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 2228 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: 01/06/99 - 08:05

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 20, 1999
020-021

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 50s

1200 RTLT=20h 18m 50s

0000 RTLT=20h 18m 50s

VOYAGER 1

↓ 1610 SLEW->HELIO-13A

▼ 0420 DUMMY (00:38)

FDSL : 11AF

U/L 0600 | - |
TLC (SHORT-FORM) | - - - - -

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

SLEW->HELIO-14A 0410 ↓

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 - - 63 [D] - | 0940

2115 | - - - - - 42 [D] - - - - - | 0115

0355 | - - - - - 63 [T] - - - - - | 0645

DSN COVERAGE
HPTXR

32 43 [B] | 0905

1730 | - - - - - 43 [D] - - - - - | 0000

0630 | - 45 [D] -

HPTXR

1200 RTLT=16h 0m 52s

0000 RTLT=16h 0m 56s

RTLT : 16h 0m 50s

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: 01/06/99 - 08:05

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 21, 1999
021-022

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 50s

1200 RTLTL=20h 18m 48s

0000 RTLTL=20h 18m 48s

VOYAGER 1

↓ 1610 SLEW->HELIO-15A

FDSL : 11AF

----- TLC (SHORT-FORM) -----

----- D/L -| 0347 -----

CCSL : A030

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

SLEW->HELIO-16A 0410 ↓

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1040 |----- 14 [D] -----| 1545

2245 |----- 42 [D] -----| 0210

0305 |----- 63 [D] -----| 0645

DSN COVERAGE
HPTXR

32

45 [D] -| 0930

1735 |----- 43 [D] -----| 2305

0225 |----- 45 [D] -----

HPTXR

RTLTL : 16h 0m 56s

1200 RTLTL=16h 0m 58s

0000 RTLTL=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 -----

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: 01/06/99 - 08:05

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 22, 1999
022-023

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 48s

1200 RTLT=20h 18m 48s

0000 RTLT=20h 18m 46s

VOYAGER 1

↓ 1610 SLEW->HELIO-17A

SLEW->HELIO-18A 0410 ↓

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

2105 |----- 42 [D] -----| 0205 0340 |----- 63 [D] -----|

DSN COVERAGE HPTXR

32

45 [D] - | 0930

1800 |----- 43 [D] -----| 2300

0130 - 0745 |----- 45 [D] -----|

HPTXR

RTLT : 16h 1m 0s

1200 RTLT=16h 1m 2s

0000 RTLT=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: 01/06/99 - 08:05

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 23, 1999
023-024

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 46s

1200 RTLTL=20h 18m 46s

0000 RTLTL=20h 18m 46s

VOYAGER 1

↓ 1610 SLEW->HELIO-19A

SLEW->HELIO-20A 0410 ↓

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 --- 63 [D] --- | 1020

1035 |----- 14 [D] ----- | 1700

2245 |----- 42 [D] ----- | 0200

DSN COVERAGE
HPTXR

1720 |----- 43 [D] ----- | 2300

0345 |----- 45 [D] -----

32

HPTXR

RTLTL : 16h 1m 4s

1200 RTLTL=16h 1m 6s

0000 RTLTL=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: 01/06/99 - 08:05

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 24, 1999
024-025

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 46s

1200 RTLT=20h 18m 44s

0000 RTLT=20h 18m 44s

VOYAGER 1

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

1120 |----- 14 [D] -----| 1645

0325 |----- 63 [D] -----|

DSN COVERAGE HPTXR

32

45 [D] | 0920

0230 - 0730 |----- 34 [o] -----|

HPTXR

RTLT : 16h 1m 8s

1200 RTLT=16h 1m 10s

0000 RTLT=16h 1m 12s

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