

ISSUE DATE: 01/20/99 - 07:01

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  
TLC (SHORT-FORM)

D/L -| 0347

FDSSL : 11AF

S/C 31 STATUS

SLEW->HELIO-16A 0410 ↓

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

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -16.460 sec

ROLLREF = RIGIL  
KENTAURUS

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31

1040 |---- 14 [D] ----| 1315

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

FDSSL : 11AF

S/C 32 STATUS

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

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: 22.105 sec

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: 01/20/99 - 07:01

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: 01/20/99 - 07:01

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: 01/20/99 - 07:01

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

CR-5T

XB DATA RATE (MI)

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

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: 01/20/99 - 07:01

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 25, 1999  
025-026

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 44s

1200 RTLT=20h 18m 44s

0000 RTLT=20h 18m 42s

VOYAGER 1

U/L 1040 |----- TLC (SHORT-FORM) -----| D/L

FDSL : 11AF

↓ 1210 SLEW->SAFE

↓ 0352 SLEW->ALPHA VIR

SLEW->SAFE-2 0710 ↓

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

0311

UV-5A

160 (32)

600(36)

31

63 [D] | 0925

0250 |----- 63 [D] -----

0920 |----- 61 [T] -----| 1150

1130 |----- 14 [D] -----| 1545

DSN COVERAGE  
HPTXR

32

1710 |----- 43 [D] -----| 2045

2310 - 0750 |----- 42 [D] -----|

HPTXR

RTLT : 16h 1m 12s

1200 RTLT=16h 1m 14s

0000 RTLT=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

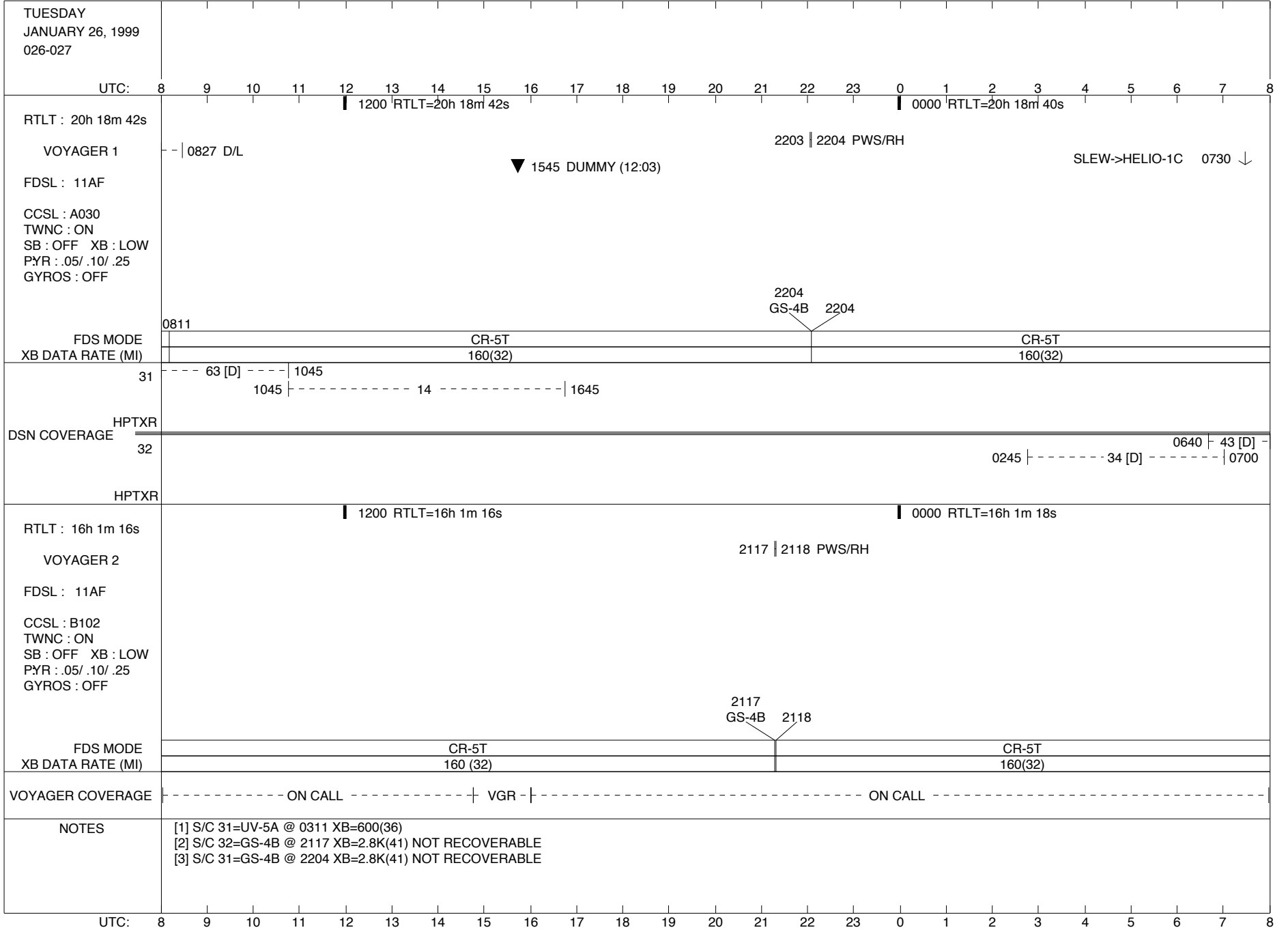
----- ON CALL -----

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: 01/20/99 - 07:01

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



ISSUE DATE: 01/20/99 - 07:01

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 27, 1999  
027-028

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 40s

1200 RTLT=20h 18m 40s

0000 RTLT=20h 18m 38s

VOYAGER 1

↓ 1940 SLEW->HELIO-2C

SLEW->HELIO-3C 0740 ↓

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

1020 |----- 14 [D] -----| 1625

0240 |----- 63 [D] -----|

DSN COVERAGE  
HPTXR

32

43 [D] | 0915

1705 |----- 45 [D] -----| 2145

HPTXR

RTLT : 16h 1m 18s

1200 RTLT=16h 1m 20s

0000 RTLT=16h 1m 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: 01/20/99 - 07:01

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 28, 1999  
028-029

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 38s

1200 RTLTL=20h 18m 38s

0000 RTLTL=20h 18m 36s

VOYAGER 1

↓ 1940 SLEW->HELIO-4C

SLEW->HELIO-5C 0740 ↓

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 -----| 0855 63 [D] -----| 1140 |-----| 14 [D] -----| 1640 -----| 0235 |-----| 63 [D] -----| 0645

1140 |-----| 14 [D] -----| 1640

1630 |-----| 15 [D] -----| 2150

DSN COVERAGE  
HPTXR

32

1755 |-----| 43 [B] -----| 2245

0430 |-----| 34 [D] -----|

HPTXR

RTLTL : 16h 1m 22s

1200 RTLTL=16h 1m 22s

0000 RTLTL=16h 1m 24s

VOYAGER 2

▼ 1822 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: 01/20/99 - 07:01

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 29, 1999  
029-030

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 36s

VOYAGER 1

FDSL : 11AF

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

↓ 1222 GYRO INIT  
↓ 1222 GYROS AB ON  
↓ 1232 GYRO FAULT TEST  
1337 || 1340 CCSTIM(B)

↓ 1939 SLEW->HELIO-6C

SLEW->HELIO-7C 0739 ↓

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1020 |----- 14 [D] -----| 1545

2000 | 24 [D] -| 2120

61 [D] 0800

DSN COVERAGE  
HPTXR

32

--| 0840 34 [D]

0315 |----- 34 [D] -----|

HPTXR

RTLT : 16h 1m 24s

VOYAGER 2

FDSL : 11AF

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

1200 RTLT=16h 1m 24s

0000 RTLT=16h 1m 26s

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: 01/20/99 - 07:01

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 30, 1999  
030-031

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 34s

1200 RTLT=20h 18m 32s

0000 RTLT=20h 18m 32s

VOYAGER 1

↓ 1939 SLEW->HELIO-8C

SLEW->HELIO-9C 0739 ↓

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] ----- | 0800 - 1045  
1050 | ----- 24 [D] ----- | 1345  
0230 | ----- 63 [D] -----

DSN COVERAGE  
HPTXR

32 -- | 0835 34 [D]  
0200 | ----- 34 [D] ----- | 0630

HPTXR

RTLT : 16h 1m 26s

1200 RTLT=16h 1m 28s

0000 RTLT=16h 1m 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: 01/20/99 - 07:01

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 31, 1999  
031-032

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 32s

1200 RTLT=20h 18m 30s

0000 RTLT=20h 18m 30s

VOYAGER 1

↓ 1939 SLEW->HELIO-10C

SLEW->MIDPNT-C 0739 ↓

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 63 [D] | 0900

1710 |----- 15 [D] -----| 2140

0225 |----- 63 [D] -----|

DSN COVERAGE  
HPTXR

32

0200 - 0725 |----- 34 [D] -----|

HPTXR

RTLT : 16h 1m 28s

1200 RTLT=16h 1m 30s

0000 RTLT=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

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: 01/20/99 - 07:01

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 1, 1999  
032-033

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 30s

1200 RTLT=20h 18m 28s

0000 RTLT=20h 18m 26s

VOYAGER 1

↓ 1912 SLEW->HELIO-11C

SLEW->HELIO-12C 0739 ↓

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 ---|0850 63 [D]

1435 |-----25 [D]-----| 2110

0220 - 0800 |-----63 [D]-----|

DSN COVERAGE  
HPTXR

32

1640 |-----43 [D]-----| 2215

2210 - 0730 |-----34 [o]-----|

HPTXR

RTLT : 16h 1m 30s

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

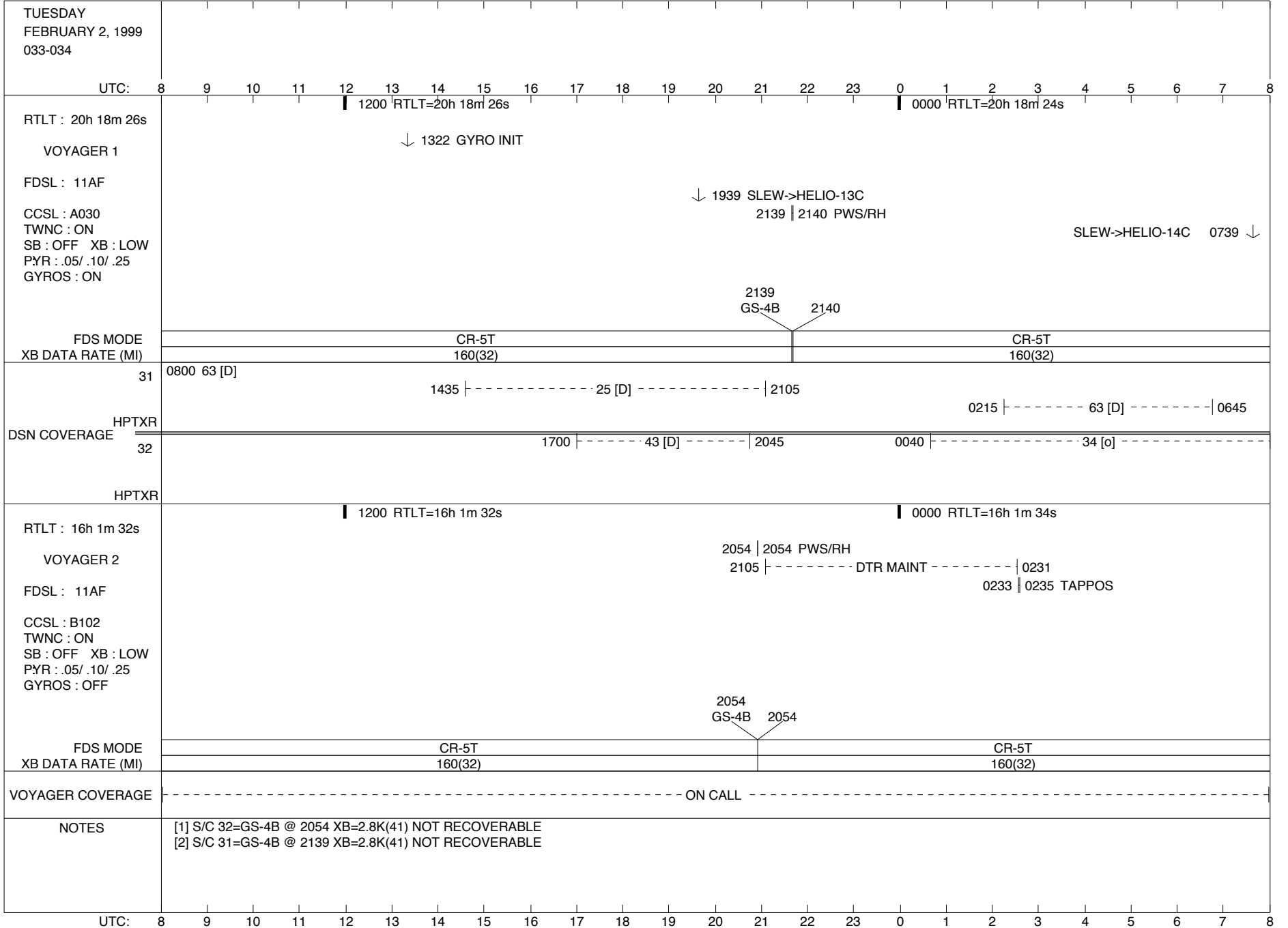
ON CALL

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: 01/20/99 - 07:01

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



ISSUE DATE: 01/20/99 - 07:01

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 3, 1999  
034-035

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 24s

1200 RTLT=20h 18m 22s

0000 RTLT=20h 18m 20s

VOYAGER 1

FDSL : 11AF

CCSL : A030

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : ON

1355 | PLSCAL | 1537

1355 | --- MAGCAL --- | 1657

1355 | --- PESCAL --- | 1715

↓ 1939 SLEW->HELIO-15C

SLEW->HELIO-16C 0739 ↓

FDS MODE

XB DATA RATE (MI)

CR-5T

160(32)

31

1115 |----- 24 [D] -----| 1720

0215 |----- 63 [D] -----| 0645

HPTXR

DSN COVERAGE

32

0820 34 [o]

1630 |----- 43 [D] -----| 2225

0545 |--- 43 [B] ---

HPTXR

2205 |----- 42 [D] -----| 0605

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

DUMMY (BRACKETED 5MIN 23:04) 0702 ▼

FDS MODE

XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

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: 01/20/99 - 07:01

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

RTLT : 20h 18m 20s

1200 RTLT=20h 18m 20s

0000 RTLT=20h 18m 18s

VOYAGER 1

▼ 1555 DUMMY (12:13)

FDSL : 11AF

U/L 1615 | - | - - - - - TLC (SHORT-FORM) - - - - -

↓ 1939 SLEW->HELIO-17C

SLEW->HELIO-18C 0739 ↓

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

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

DSN COVERAGE  
HPTXR

32

0845 43 [B]

1630 | - - - - - 43 [B] - - - - - | 2205

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

HPTXR

RTLT : 16h 1m 34s

1200 RTLT=16h 1m 34s

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 - - - - - | 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: 01/20/99 - 07:01

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 5, 1999  
036-037

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 18s

1200 RTLTL=20h 18m 16s

0000 RTLTL=20h 18m 14s

VOYAGER 1

↓ 1955 X/B LOW POWER  
↓ 1959 BAY 1 HTR ON

FDSL : 11AF

----- TLC (SHORT-FORM) ----- | D/L - | 1401

SLEW->HELIO-20C 0739 ↓

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

↓ 1332 AAI  
↓ 1310 BAY 1 HTR OFF  
↓ 1314 X/B HI POWER

1335 |----- MAGROL -----| 1930

↓ 1923 RAI  
↓ 1930 CRU  
↓ 1930 GYROS OFF  
↓ 1939 SLEW->HELIO-19C

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1100 |----- 14 [D] -----| 1555

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

1535 |----- 24 [D] -----| 2055

DSN COVERAGE  
HPTXR

32

1625 |----- 43 [D] -----| 2205

2200 |----- 34 [o] -----|

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

[1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (1335-1930)

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: 01/20/99 - 07:01

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: 01/20/99 - 07:01

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