

ISSUE DATE: 02/09/99 - 13:49

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

RTLT : 20h 17m 58s

1200 RTLT=20h 17m 56s

0000 RTLT=20h 17m 54s

VOYAGER 1

S/C 31 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -16.455 sec
ROLLREF = RIGIL KENTAURUS

↓ 1939 SLEW->MIDPNT-B

SLEW->HELIO-11B 0713 ↓

FDLSL : 11AF

▼ 1745 DUMMY (14:03)

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

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

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

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

HPTXR
DSN COVERAGE

32

| 0810 45 [D]

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

HPTXR

RTLT : 16h 1m 36s

1200 RTLT=16h 1m 36s

0000 RTLT=16h 1m 36s

VOYAGER 2

S/C 32 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: 19.813 sec
ROLLREF = VEGA

FDLSL : 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: 02/09/99 - 13:49

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 : ON

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: 02/09/99 - 13:49

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 : ON

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: 02/09/99 - 13:49

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 : ON

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: 02/09/99 - 13:49

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

RTLT : 20h 17m 42s

1200 RTLT=20h 17m 40s

0000 RTLT=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 : ON

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

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

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

DSN COVERAGE
HPTXR

32 | 1630 |----- 43 [D] -----| 2045 | 0330 - 0730 |----- 34 [o] -----|

HPTXR

RTLT : 16h 1m 32s

1200 RTLT=16h 1m 32s

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

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: 02/09/99 - 13:49

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 : ON

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]

1415 | - - - - - 24 [D] - - - - - | 1720

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

DSN COVERAGE
HPTXR

32

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

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

HPTXR

RTLTL : 16h 1m 30s
VOYAGER 2
FDSL : 11AF
CCSL : B102
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=16h 1m 30s

0000 RTLTL=16h 1m 28s

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: 02/09/99 - 13:49

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 : ON

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: 02/09/99 - 13:49

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 : ON

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: 02/09/99 - 13:49

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 : ON

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: 02/09/99 - 13:49

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 : ON

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: 02/09/99 - 13:49

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 : ON

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: 02/09/99 - 13:49

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 : ON

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: 02/09/99 - 13:49

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

1200 RTLT=20h 17m 8s

0000 RTLT=20h 17m 6s

VOYAGER 1

↓ 1409 SLEW->HELIO-14A

2027 | 2028 PWS/RH

FDSL : 11AF

↓ 0155 GYRO INIT

↓ 0155 GYROS BC ON

↓ 0205 GYRO FAULT TEST

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

2027
GS-4B 2028

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

31

----- 14 [D] ----- | 0835- 1510

0055 |----- 63 [D] ----- | 0625 |----- 61 [D] ----- | 0645

DSN COVERAGE
HPTXR

32

1515 |----- 43 [B] ----- | 0230

0210 |----- 34 [o] ----- | 0700

HPTXR

RTLT : 16h 1m 14s

1200 RTLT=16h 1m 12s

0000 RTLT=16h 1m 10s

VOYAGER 2

1941 | 1942 PWS/RH

FDSL : 11AF

▼ 2357 DUMMY (BRACKETED 5MIN 15:58)

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

1941
GS-4B 1942

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 @ 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: 02/09/99 - 13:49

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: 02/09/99 - 13:49

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
1120 | --- 24 [D] --- | 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: 02/09/99 - 13:49

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: 02/09/99 - 13:49

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: 02/09/99 - 13:49

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

ISSUE DATE: 02/09/99 - 13:49

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
MARCH 1, 1999
060-061

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 16m 44s

1200 RTLTL=20h 16m 42s

0000 RTLTL=20h 16m 40s

VOYAGER 1

↓ 1409 SLEW->HELIO-9A

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

65 [D] -----| 1205

1315 |---- 15 [D] ----| 1600

0030 - 0745 |----- 63 [D] -----|

DSN COVERAGE
HPTXR

32

1450 |----- 43 [D] -----| 2045

2025 |----- 34 [D] -----| 0630

HPTXR

RTLTL : 16h 0m 52s

1200 RTLTL=16h 0m 50s

0000 RTLTL=16h 0m 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

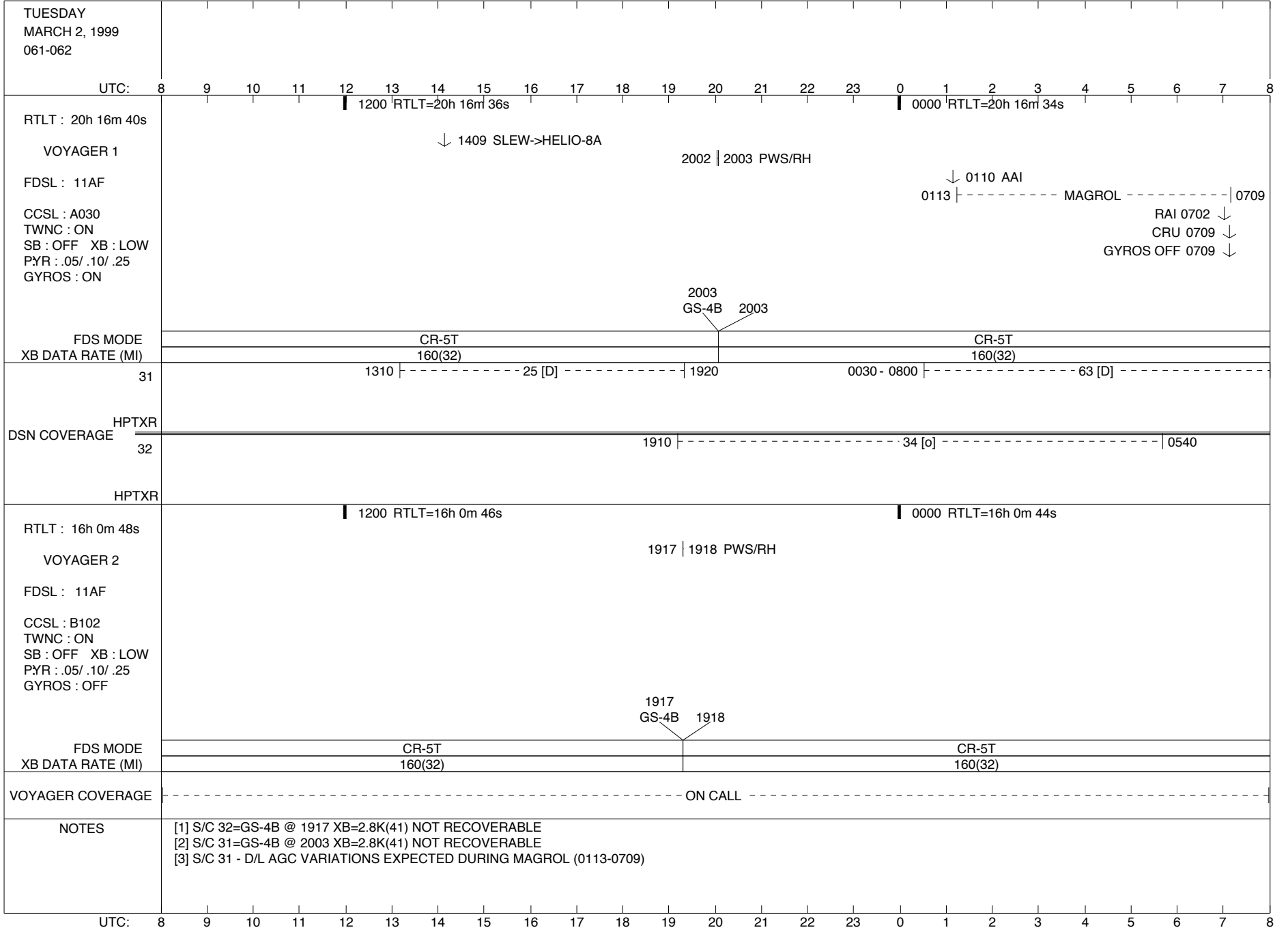
----- ON CALL -----

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: 02/09/99 - 13:49

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: 02/09/99 - 13:49

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
MARCH 3, 1999
062-063

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 34s

1200 RTLT=20h 16m 32s 0000 RTLT=20h 16m 30s

VOYAGER 1

1218 | PLSCAL - | 1400
1218 | --- MAGCAL --- | 1520
1218 | --- PESCAL --- | 1538
 ↓ 1409 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 0800 63 [D] |-----| 0805- 1055 |-----| 0645 | 65 [D] |
 |----- 54 [D] -----| 1030 |----- 24 -----| 1545 |----- 63 [D] -----| 0645
HPTXR

DSN COVERAGE

32 1445 |----- 43 [B] -----| 2105
HPTXR

RTLT : 16h 0m 44s

1200 RTLT=16h 0m 42s 0000 RTLT=16h 0m 38s

VOYAGER 2

▼ 1707 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: 02/09/99 - 13:49

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
MARCH 4, 1999
063-064

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 30s

1200 RTLT=20h 16m 28s

0000 RTLT=20h 16m 26s

VOYAGER 1

↓ 1409 SLEW->HELIO-6A

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] ----- | 1150 0700 | 65 [D]

1310 |----- 25 [D] -----| 1910

0025 - 0720 |----- 63 [D] -----|

HPTXR
DSN COVERAGE

32

1610 |-- 42 [D] --| 1805

1745 |----- 43 [B] -----| 2105

0055 |----- 34 [o] -----| 0615

HPTXR

RTLT : 16h 0m 38s

1200 RTLT=16h 0m 36s

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: 02/09/99 - 13:49

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
MARCH 5, 1999
064-065

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 16m 26s

1200 RTLTL=20h 16m 24s

0000 RTLTL=20h 16m 22s

VOYAGER 1

↓ 1409 SLEW->HELIO-5A

▼ 1500 DUMMY (11:16)

FDSL : 11AF

U/L 1515 |-----| TLC SHORT-FORM |-----|

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] ----- | 1040

0020 |-----| 63 [D] -----

1020 |-----| 24 [T] ----- | 1610

DSN COVERAGE
HPTXR

1845 |---| 43 [D] ---| 2100

0015 |-----| 45 [D] ----- | 0645

HPTXR

RTLTL : 16h 0m 34s

1200 RTLTL=16h 0m 32s

0000 RTLTL=16h 0m 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 ----- | 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: 02/09/99 - 13:49

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
MARCH 6, 1999
065-066

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 16m 22s

1200 RTLTL=20h 16m 20s

0000 RTLTL=20h 16m 18s

VOYAGER 1

↓ 1409 SLEW->HELIO-4A

FDSL : 11AF

--- TLC SHORT-FORM --- + D/L | 1300

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]

0910 |----- 14 [D] -----

| 1425

1445 |----- 25 [D] ----- | 1900

0015- 0745 |-----

63 [D] ----- |

DSN COVERAGE

HPTXR

32

1505 |-----

34 [D] -----

| 0620

HPTXR

RTLTL : 16h 0m 30s

1200 RTLTL=16h 0m 26s

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

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: 02/09/99 - 13:49

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
MARCH 7, 1999
066-067

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 18s

1200 RTLT=20h 16m 16s

0000 RTLT=20h 16m 12s

VOYAGER 1

↓ 1409 SLEW->HELIO-3A

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

--- 54 [D] --- 0845 - 1055

1255 |----- 25 [D] -----| 1900

0015 - 0745 |----- 63 [D] -----|

DSN COVERAGE
HPTXR

32

1455 |----- 43 [D] -----| 2055

0030 |----- 34 [D] -----| 0530

HPTXR

RTLT : 16h 0m 24s

1200 RTLT=16h 0m 22s

0000 RTLT=16h 0m 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