

ISSUE DATE: 11/17/99 - 08:58

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
NOVEMBER 18, 1999
322-323

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 12m 36s

1200 RTLT=21h 12m 42s

0000 RTLT=21h 12m 48s

VOYAGER 1

S/C 31 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -17.999 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

0905 |----- 54 [D] -----| 1410

1945 |----- 24 [D] -----| 0150

DSN COVERAGE
HPTXR

32

|----- 42 [D] -----| 0845- 1215

2300 |----- 42 [D] -----| 0300

0600 |--- 42 [D] ---|

HPTXR

0245 |----- 43 [D] -----| 0550

RTLT : 16h 37m 36s

1200 RTLT=16h 37m 46s

0000 RTLT=16h 37m 56s

VOYAGER 2

S/C 32 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -9.050 sec

CCSL : B105
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: 11/17/99 - 08:58

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
NOVEMBER 19, 1999
323-324

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 12m 48s

1200 RTLTL=21h 12m 56s

0000 RTLTL=21h 13m 2s

SLEW->HELIO-1B 0737 ↓

VOYAGER 1

FDSL : 11AF

U/L 2035 | - | - - - - - TLC SHORT-FORM - - - - -

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

1230 | - - - - 63 [D] - - - - | 1500

2010 | - - - - - 24 [T] - - - - - | 0145

63 [D] 0725 | - - -

DSN COVERAGE
HPTXR

32

HPTXR

42 [D] - - - - - | 1210

0045 | - - - - - 42 [D] - - - - -

RTLTL : 16h 37m 56s

1200 RTLTL=16h 38m 6s

0000 RTLTL=16h 38m 16s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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
NOVEMBER 20, 1999
324-325

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 13m 2s

1200 RTLTL=21h 13m 8s

0000 RTLTL=21h 13m 14s

VOYAGER 1

↓ 1937 SLEW->HELIO-2B

SLEW->HELIO-3B 0737 ↓

FDSL : 11AF

----- TLC SHORT-FORM ----- + D/L -| 1916

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] ----- | 1455

63 [D] 0705 |-----

1450 |----- 14 [D] ----- | 2305

2245 |----- 24 [D] ----- | 0140

DSN COVERAGE
HPTXR

32

----- 42 [D] ----- | 1205

0130 |----- 42 [o] -----

HPTXR

RTLTL : 16h 38m 16s

1200 RTLTL=16h 38m 28s

0000 RTLTL=16h 38m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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
NOVEMBER 21, 1999
325-326

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 13m 14s

1200 RTLTL=21h 13m 22s

0000 RTLTL=21h 13m 28s

VOYAGER 1

↓ 1937 SLEW->HELIO-4B

SLEW->HELIO-5B 0737 ↓

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] -----| 1345

1450 |----- 14 [D] -----| 1900

1830 |----- 25 [D] -----| 0155

DSN COVERAGE

HPTXR

32

42 [o] -----| 1205

2330 |----- 43 [D] -----| 0510

0530 |----- 42 [D] -----

HPTXR

RTLTL : 16h 38m 36s

1200 RTLTL=16h 38m 46s

0000 RTLTL=16h 38m 56s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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
NOVEMBER 22, 1999
326-327

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 13m 28s

1200 RTLTL=21h 13m 34s

0000 RTLTL=21h 13m 40s

VOYAGER 1

↓ 1937 SLEW->HELIO-6B

FDSL : 11AF

▼ 2130 DUMMY (18:43)

SLEW->HELIO-7B 0737 ↓

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] ----- | 0845 - 1500

2010 |----- 24 ----- | 0135

DSN COVERAGE
HPTXR

32

----- 42 [D] ----- | 1205

0235 |----- 42 [o] -----

HPTXR

RTLTL : 16h 38m 56s

1200 RTLTL=16h 39m 6s

0000 RTLTL=16h 39m 16s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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 - |

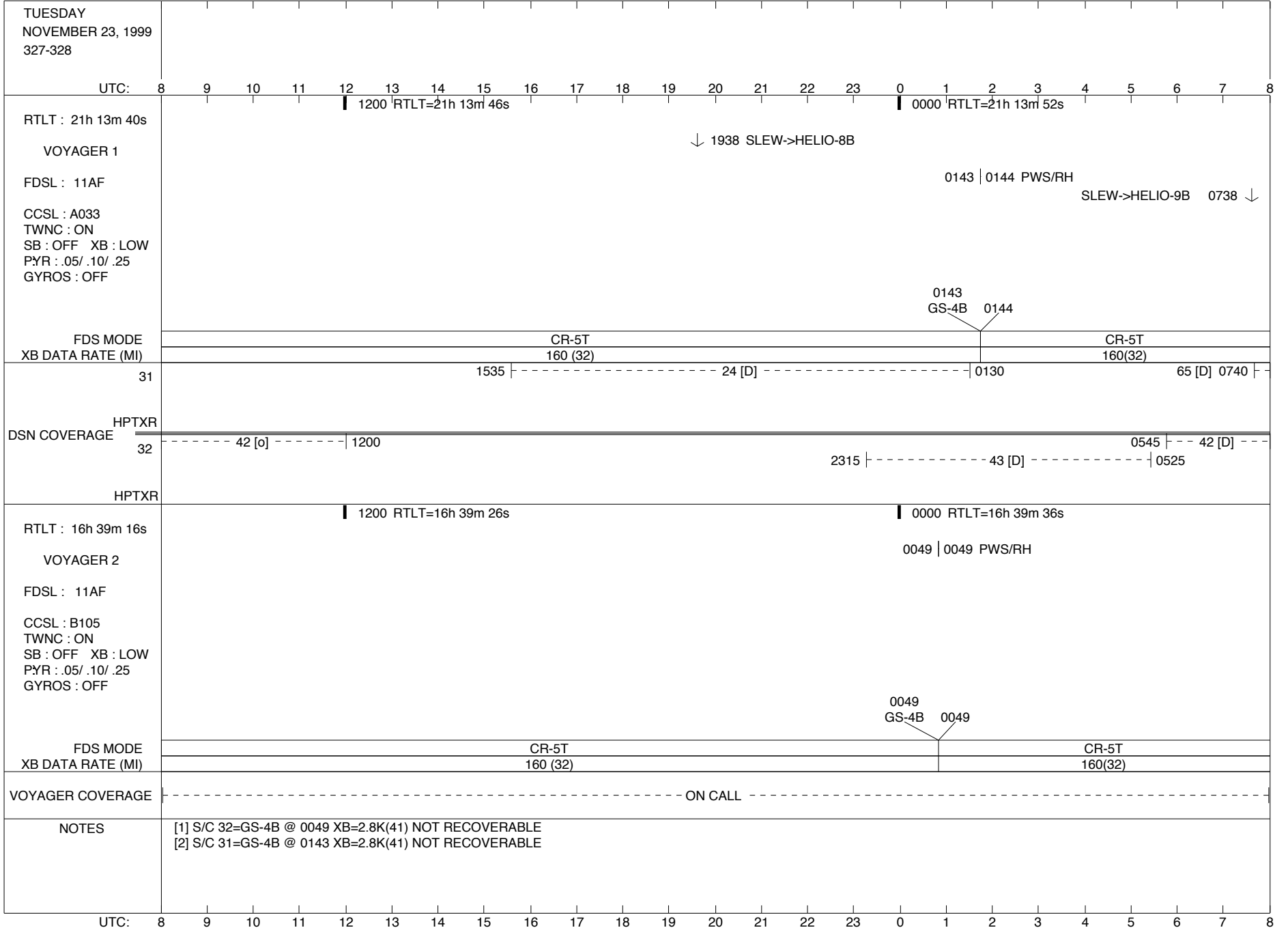
----- ON CALL -----

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: 11/17/99 - 08:58

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: 11/17/99 - 08:58

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
NOVEMBER 24, 1999
328-329

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 13m 52s

1200 RTLT=21h 13m 58s

0000 RTLT=21h 14m 4s

VOYAGER 1

↓ 1938 SLEW->HELIO-10B

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] --- | 1010

1445 |----- 14 [D] -----| 2110

2245 |--- 24 [D] ---| 0125

DSN COVERAGE
HPTXR

32 --- 42 [D] --- | 0945

2100 |----- 43 [B] -----| 0705

0645 | 42 [D] |

HPTXR

RTLT : 16h 39m 36s

1200 RTLT=16h 39m 46s

0000 RTLT=16h 39m 56s

VOYAGER 2

▼ 2142 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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
NOVEMBER 25, 1999
329-330

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 14m 4s

1200 RTLTL=21h 14m 10s

0000 RTLTL=21h 14m 16s

VOYAGER 1

↓ 1607 SLEW->MIDPNT-B

↓ 1938 SLEW->HELIO-11B

FDSL : 11AF

SLEW->HELIO-12B 0738 ↓

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

1610 |----- 24 [D] -----| 0120

0650 | 63 [D] |

DSN COVERAGE
HPTXR

32

----- 42 [D] ----- | 1150

2055 |----- 43 [D] -----| 0500
0445 |----- 42 [o] -----|

HPTXR

RTLTL : 16h 39m 56s

1200 RTLTL=16h 40m 4s

0000 RTLTL=16h 40m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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

THANKSGIVING DAY

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: 11/17/99 - 08:58

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
NOVEMBER 26, 1999
330-331

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 14m 16s

1200 RTLTL=21h 14m 22s

0000 RTLTL=21h 14m 28s

VOYAGER 1

↓ 1938 SLEW->HELIO-13B

FDSL : 11AF

U/L 1730 | - | - - - - - TLC (SHORT-FORM) - - - - -

SLEW->HELIO-14B 0738 ↓

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] ----- | 1115 ----- 1450 | - - - - - 14 [T] - - - - - | 2200 ----- 0645 | 63 [D] | - - - - -

HPTXR

2140 | - - - - - 24 [D] - - - - - | 0120

DSN COVERAGE

32 ----- 42 [o] ----- | 1150 ----- 2305 | - - - - - 43 [D] - - - - - | 0515 ----- 42 [D] 0730 | - - - - -

HPTXR

RTLTL : 16h 40m 14s

1200 RTLTL=16h 40m 24s

0000 RTLTL=16h 40m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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
NOVEMBER 27, 1999
331-332

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 14m 28s

1200 RTLTL=21h 14m 34s

0000 RTLTL=21h 14m 38s

VOYAGER 1

↓ 1938 SLEW->HELIO-15B

SLEW->HELIO-16B 0738 ↓

FDSL : 11AF

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

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] ----- | 1220

1520 |

----- 24 [D] -----

----- | 0115

65 [D] 0725 |

DSN COVERAGE
HPTXR

32

----- 42 [D] ----- | 1145

2050 |

----- 43 [D] -----

0445 |

----- 42 [o] -----

----- | 0510

HPTXR

RTLTL : 16h 40m 34s

1200 RTLTL=16h 40m 42s

0000 RTLTL=16h 40m 52s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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
NOVEMBER 28, 1999
332-333

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 14m 38s

1200 RTLT=21h 14m 44s

0000 RTLT=21h 14m 50s

VOYAGER 1

↓ 1938 SLEW->HELIO-17B

SLEW->HELIO-18B 0738 ↓

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] --- | 1000

1505 | ----- 14 [D] ----- | 2145

DSN COVERAGE
HPTXR

32 ----- 42 [o] ----- | 1140

2355 | ----- 43 [D] ----- | 42 [D] 0735 | --
| 0605

HPTXR

RTLT : 16h 40m 52s

1200 RTLT=16h 41m 2s

0000 RTLT=16h 41m 10s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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
NOVEMBER 29, 1999
333-334

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 14m 50s

1200 RTLT=21h 14m 56s

0000 RTLT=21h 15m 0s

VOYAGER 1

↓ 1938 SLEW->HELIO-19B

FDSL : 11AF

U/L 2350 | - | - - - - - TLC - - - - -

SLEW->HELIO-20B 0738 ↓

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] - | 0820 - 1000

2050 | - - - - - 24 [T] - - - - - | 0100

DSN COVERAGE
HPTXR

32 - - - - - 42 [D] - - - - - | 1135

0615 | - - 42 [D] - -

HPTXR

RTLT : 16h 41m 10s

1200 RTLT=16h 41m 20s

0000 RTLT=16h 41m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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
NOVEMBER 30, 1999
334-335

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 15m 0s

1200 RTLTL=21h 15m 6s

0000 RTLTL=21h 15m 10s

VOYAGER 1

FDSL : 11AF

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

TLC

D/L -|2233

0120 |0121 PWS/RH

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

0120
GS-4B 0121

CR-5T

160(32)

31

1530

24 [D]

0105

65 [D]

0715

DSN COVERAGE
HPTXR

32

42 [D] -----|1135

2040

43 [B]

2300

0220

42 [D]

2240

34 [o]

0200

HPTXR

1200 RTLTL=16h 41m 38s

0000 RTLTL=16h 41m 46s

RTLTL : 16h 41m 28s

VOYAGER 2

FDSL : 11AF

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

0026 |0027 PWS/RH

▼ 2127 DUMMY (BRACKETED 5MIN NO D/L)

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

0026
GS-4B 0027

CR-5T

160(32)

VOYAGER COVERAGE

ON CALL

VGR

ON CALL

NOTES

- [1] S/C 32=GS-4B @ 0026 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 0120 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: 11/17/99 - 08:58

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 1, 1999
335-336

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 15m 10s

1200 RTLT=21h 15m 16s

0000 RTLT=21h 15m 22s

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] ----- | 1055

1405 |----- 14 [D] ----- | 1845

65 [D] 0710 |-----

DSN COVERAGE
HPTXR

32 ----- 42 [D] ----- | 1130

2035 |--- 43 [D] --- | 2300

0435 |----- 42 [D] -----

2240 |--- 34 [D] --- | 0115

HPTXR

RTLT : 16h 41m 46s

1200 RTLT=16h 41m 56s

0000 RTLT=16h 42m 4s

VOYAGER 2

FDSL : 11AF

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

↓ 1903 BML - CLEAR HCLOCK

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: 11/17/99 - 08:58

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 2, 1999
336-337

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 15m 22s

1200 RTLT=21h 15m 26s

0000 RTLT=21h 15m 32s

VOYAGER 1

FDSL : 11AF

▼ 1900 DUMMY (16:15)

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] ----- | 1050

1500 |----- 24 -----| 0055

DSN COVERAGE
HPTXR

32 ----- 42 [D] ----- | 1125

2030 |--- 43 [D] ---| 2245

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

HPTXR

RTLT : 16h 42m 4s

1200 RTLT=16h 42m 14s

0000 RTLT=16h 42m 22s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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 3, 1999
337-338
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 15m 32s
VOYAGER 1
FDSL : 11AF
CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF
FDS MODE CR-5T
XB DATA RATE (MI) 160(32)

DSN COVERAGE HPTXR
31 0900 | -- 63 [D] --- | 1115
1600 | ----- 24 [D] ----- | 0050
0615 | - 63 [D] --
HPTXR
32 ----- 42 [D] ----- | 1120
2025 | ----- 43 [D] ----- | 0000
HPTXR

RTLT : 16h 42m 22s
VOYAGER 2
FDSL : 11AF
CCSL : B105
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: 11/17/99 - 08:58

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 4, 1999
338-339

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 15m 42s

1200 RTLT=21h 15m 46s

0000 RTLT=21h 15m 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 ----- 63 [D] ----- | 1115 1350 |----- 14 [D] -----| 1850 0615 | - 63 [D] - -

HPTXR

1830 |----- 24 [D] -----| 0045

DSN COVERAGE

32 ----- 42 [o] ----- | 1115 2025 |----- 43 [D] -----| 0240 0220 |----- 42 [D] -----

HPTXR

RTLT : 16h 42m 40s

1200 RTLT=16h 42m 48s

0000 RTLT=16h 42m 58s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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 5, 1999
339-340

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 15m 50s

1200 RTLTL=21h 15m 56s

0000 RTLTL=21h 16m 0s

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] ----- | 1115

1345 |----- 14 [D] ----- | 1850

0610 |-- 63 [T] --

1850 |----- 24 [D] ----- | 0045

DSN COVERAGE
HPTXR

32 ----- 42 [D] ----- | 1115

2020 |--- 43 [D] --- | 2255

0420 |----- 42 [D] -----

HPTXR

RTLTL : 16h 42m 58s

1200 RTLTL=16h 43m 6s

0000 RTLTL=16h 43m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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 6, 1999
340-341

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 0s

1200 RTLT=21h 16m 4s

0000 RTLT=21h 16m 8s

VOYAGER 1

U/L 1225 | - | - - - - - TLC (SHORT-FORM) - - - - -

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 [T] - - - - - | 1405 1915 | - - - - - 24 [D] - - - - - | 0040 63 [D] 0705 | - - - -

DSN COVERAGE HPTXR

32 - - - - - 42 [D] - - - - - | 1110 2025 | - - - - - 43 [D] - - - - - | 0020 0000 | - - - - - 42 [D] - - - - -

HPTXR

RTLT : 16h 43m 14s

1200 RTLT=16h 43m 22s

0000 RTLT=16h 43m 30s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/17/99 - 08:58

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 7, 1999 341-342 | |
| 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 8s VOYAGER 1 FDSL : 11AF CCSL : A033 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF | 1200 RTLT=21h 16m 14s TLC (SHORT-FORM) D/L - 1109 0056 0057 PWS/RH 0056 GS-4B 0057 |
| FDS MODE | CR-5T |
| XB DATA RATE (MI) | 160(32) |
| 31 | 63 [D] 1115 1340 14 [D] 1830 |
| DSN COVERAGE | HPTXR |
| 32 | 42 [D] 1105 2145 34 [D] 0200 0405 42 [D] |
| HPTXR | |
| RTLT : 16h 43m 30s VOYAGER 2 FDSL : 11AF CCSL : B105 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF | 1200 RTLT=16h 43m 40s 0003 0004 PWS/RH 0003 GS-4B 0004 |
| FDS MODE | CR-5T |
| XB DATA RATE (MI) | 160(32) |
| VOYAGER COVERAGE | ----- ON CALL ----- |
| NOTES | [1] S/C 32=GS-4B @ 0003 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 0056 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: 11/17/99 - 08:58

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 8, 1999
342-343

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 18s

VOYAGER 1

FDSL : 11AF

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

1648 | PLSCAL - | 1830
1648 | --- MAGCAL --- | 1950
1648 | --- PESCAL --- | 2008

1200 RTLT=21h 16m 22s

0000 RTLT=21h 16m 26s

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1645 | ----- 14 [D] ----- | 2115

0645 | 65 [D] |

DSN COVERAGE
HPTXR

32

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

2005 | ----- 43 [B] ----- | 0520 | --- 42 [D] --- | 0540

HPTXR

RTLT : 16h 43m 48s

VOYAGER 2

FDSL : 11AF

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

▼ 2117 DUMMY (BRACKETED 5MIN NO D/L)

1200 RTLT=16h 43m 56s

0000 RTLT=16h 44m 4s

COMMAND MORATORIUM 0729 | - -

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: 11/17/99 - 08:58

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

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

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

FDSL : 11AF

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

--- COMMAND MORATORIUM ---

- ↓ 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: 11/17/99 - 08:58

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

RTLT : 21h 16m 34s

1200 RTLT=21h 16m 38s

0000 RTLT=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 ----- | 2235 0635 | 65 [D] -

DSN COVERAGE HPTXR

32 ----- 42 [D] ----- | 1055 2000 | ----- 43 [D] ----- | 0700 0640 | 42 [D] -

HPTXR

RTLT : 16h 44m 20s

1200 RTLT=16h 44m 28s

0000 RTLT=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: 11/17/99 - 08:58

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: 11/17/99 - 08:58

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