

ISSUE DATE: 11/08/02 - 09:23

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 7, 2002
311-312

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 : 24h 9m 40s

1200 RTLT=24h 9m 48s

0000 RTLT=24h 9m 56s

VOYAGER 1

FDSL : 11AF

CCSL : A045

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

S/C 31 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -23.314 sec

ROLLREF = RIGIL
KENTAURUS

↓ 1906 SLEW->HELIO-7A

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31

1340

----- 65 [D] -----

1915

0015 - 0725

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

DSN COVERAGE
HPTXR

32

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

0300 |----- 34 [o] -----

HPTXR

RTLT : 19h 7m 34s

1200 RTLT=19h 7m 46s

0000 RTLT=19h 7m 56s

VOYAGER 2

FDSL : 11AF

CCSL : B117

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: -2:10.664 min

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: 11/08/02 - 09:23

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 8, 2002
312-313

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 : 24h 9m 56s

1200 RTLTL=24h 10m 4s

0000 RTLTL=24h 10m 12s

VOYAGER 1

↓ 1906 SLEW->HELIO-6A

FDSL : 11AF

TAPPOS 0657 | - - - -

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31

1335 | - - - - - 65 [D] - - - - - | 1920

2320 | - - - - 15 [D] - - - - | 0205

0145 - 0725 | - - - - - 45 [D] - - - - - |

DSN COVERAGE
HPTXR

32

- - - - - 34 [o] - - - - - | 1405

0620 | - - 43 [o] - -

HPTXR

RTLTL : 19h 7m 56s

1200 RTLTL=19h 8m 8s

0000 RTLTL=19h 8m 18s

VOYAGER 2

FDSL : 11AF

CCSL : B117
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: 11/08/02 - 09:23

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 9, 2002 313-314	
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 : 24h 10m 12s VOYAGER 1 FDSL : 11AF CCSL : A045 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=24h 10m 18s 0959 1000 PWS/RH ↓ 1906 SLEW->HELIO-5A -- 0834 TAPPOS 1207 TAPPOS - 1358 0959 GS-4B 1000
FDS MODE	CR-5T CR-5T
XB DATA RATE (MI)	160 (32) 160(32)
DSN COVERAGE	31 1650 ----- 15 [D] ----- 0220 HPTXR 32 ----- 43 [o] ----- 1440 0605 - - 43 [D] - - HPTXR 2255 ----- 34 [D] ----- 0205
RTLT : 19h 8m 18s VOYAGER 2 FDSL : 11AF CCSL : B117 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=19h 8m 30s 0000 RTLT=19h 8m 40s ▼ 1200 DUMMY PC (07:09) [NOTE 2] ▼ 1222 DUMMY CC (5 MIN BRACKETED 07:31) [NOTE 2]
FDS MODE	CR-5T
XB DATA RATE (MI)	160(32)
VOYAGER COVERAGE	- - - ON CALL - - - - - - VGR - - - - - - ON CALL - - - - - - VGR - - -
NOTES	[1] S/C 31=GS-4B @ 0959 XB=2.8K(41) NOT RECOVERABLE [2] USE NEW CMD SYSTEM
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: 11/08/02 - 09:23

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 10, 2002
314-315

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 : 24h 10m 26s

1200 RTLTL=24h 10m 34s

0000 RTLTL=24h 10m 42s

VOYAGER 1

↓ 1906 SLEW->HELIO-4A

FDSL : 11AF

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1335 |----- 65 [D] -----| 1900

0255 |----- 45 [D] -----| 0645

2315 |----- 15 [D] -----| 0225

DSN COVERAGE
HPTXR

32

----- 43 [D] -----| 1345

45 [D] 0730 |-----

HPTXR

RTLTL : 19h 8m 40s

1200 RTLTL=19h 8m 50s

0000 RTLTL=19h 9m 2s

VOYAGER 2

FDSL : 11AF

CCSL : B117
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: 11/08/02 - 09:23

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 11, 2002
315-316

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 : 24h 10m 42s

1200 RTLT=24h 10m 50s

0000 RTLT=24h 10m 58s

VOYAGER 1

↓ 1906 SLEW->HELIO-3A

FDSL : 11AF

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31

1330 |--- 65 [D] ---| 1555

1535 |----- 63 [D] -----| 1955

0200 - 0715 |----- 45 [D] -----|

2210 |----- 25 [D] -----| 0220

DSN COVERAGE
HPTXR

32

----- 45 [D] -----| 1410

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

HPTXR

RTLT : 19h 9m 2s

1200 RTLT=19h 9m 12s

0000 RTLT=19h 9m 22s

VOYAGER 2

↓ 1917 BEGIN SEQUENCE B118

AACS MEM U/D 0615 ↓

FDSL : 11AF

AACS MRO 0731 - 0751 | |

CCSL : B117
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

CCS MRO 0751 | |

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

0716
EH-12

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=EH-12 @ 02-316/0716 XB=1.2K(39)

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: 11/08/02 - 09:23

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 12, 2002
316-317

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 : 24h 10m 58s

1200 RTLT=24h 11m 6s

0000 RTLT=24h 11m 12s

VOYAGER 1

↓ 1906 SLEW->HELIO-2A

0336 | 0337 PWS/RH

FDSL : 11AF

▼ 1630 DUMMY (16:41)

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

U/L 1830 |----- TLC (SHORT-FORM) -----

0336
GS-4B 0337

FDS MODE
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

31

1550 |----- 63 [T] -----| 1950

1930 |----- 25 [D] -----| 0220

DSN COVERAGE
HPTXR

32

43 [B] |-----| 1440

0600 |----- 45 [D] -----

0230 |----- 34 [D] -----| 0620

HPTXR

RTLT : 19h 9m 22s

1200 RTLT=19h 9m 34s

0000 RTLT=19h 9m 44s

VOYAGER 2

0228 | 0228 PWS/RH

FDSL : 11AF

▼ 0832 DUMMY (5 MIN BRACKETED 3:42)

CCSL : B118
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

0802 CCS MRO

0802 - 0815 FDS MRO

0815

0228
GS-4B 0228

FDS MODE
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

VOYAGER COVERAGE

- - VGR - + - - - - - ON CALL - - - - - + - VGR - + - - - - - ON CALL - - - - -

NOTES

- [1] S/C 32=EH-12 @ 02-316/0716 XB=1.2K(39)
- [2] S/C 32=GS-4B @ 0228 XB=2.8K(41) NOT RECOVERABLE
- [3] S/C 31=GS-4B @ 0336 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: 11/08/02 - 09:23

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 13, 2002
317-318

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 : 24h 11m 12s

1200 RTLTL=24h 11m 20s

0000 RTLTL=24h 11m 28s

VOYAGER 1

↓ 1906 SLEW->HELIO-1A

1951 | PLSCAL -| 2134

1951 | --- MAGCAL --- | 2254

1951 | --- PESCAL --- | 2311

FDSL : 11AF

CCSL : A045

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

----- TLC (SHORT-FORM) ----- | D/L -| 2009

FDS MODE

CR-5T

XB DATA RATE (MI)

160(32)

31

1525 | --- 65 [D] --- | 1850

1830 | --- 25 [D] --- | 0215

DSN COVERAGE HPTXR

32

----- 45 [D] ----- | 1320

0440 | --- 45 [D] ---

HPTXR

RTLTL : 19h 9m 44s

1200 RTLTL=19h 9m 54s

0000 RTLTL=19h 10m 6s

VOYAGER 2

FDSL : 11AF

CCSL : B118

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: 11/08/02 - 09:23

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 14, 2002
318-319

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 : 24h 11m 28s

1200 RTLT=24h 11m 34s

0000 RTLT=24h 11m 42s

VOYAGER 1

FDSL : 11AF

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1530 |----- 63 [D] -----| 1930

0010 |----- 14 [D] -----| 0305

DSN COVERAGE
HPTXR

32

----- 45 [D] -----| 1400

2200 |----- 45 [D] -----

HPTXR

RTLT : 19h 10m 6s

1200 RTLT=19h 10m 16s

0000 RTLT=19h 10m 26s

VOYAGER 2

FDSL : 11AF

CCSL : B118
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: 11/08/02 - 09:23

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 15, 2002
319-320

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 : 24h 11m 42s

1200 RTLT=24h 11m 50s

0000 RTLT=24h 11m 56s

VOYAGER 1

FDSL : 11AF

0634 TAPPOS

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1330 |-----65 [D]-----| 1845

1910 |-----15 [D]-----| 0210

DSN COVERAGE
HPTXR

32

HPTXR

-----45 [D]-----| 1150

0215 |-----34 [D]-----

RTLT : 19h 10m 26s

1200 RTLT=19h 10m 36s

0000 RTLT=19h 10m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B118
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: 11/08/02 - 09:23

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 16, 2002
320-321

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 : 24h 11m 56s

0936 | 0937 PWS/RH

VOYAGER 1

FDSL : 11AF

| 0811 TAPPOS 1134 | TAPPOS | 1307

CCSL : A045

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

0936
GS-4B 0937

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

31

1330 | ----- 65 [D] ----- | 1840

2200 | ----- 15 [D] ----- | 0200

DSN COVERAGE

HPTXR

32

----- 34 [D] ----- | 1325

2205 | ----- 45 [D] -----

HPTXR

RTLTL : 19h 10m 46s

| 1200 RTLTL=19h 10m 58s

| 0000 RTLTL=19h 11m 8s

VOYAGER 2

FDSL : 11AF

CCSL : B118

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=GS-4B @ 0936 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: 11/08/02 - 09:23

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 17, 2002
321-322

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 : 24h 12m 10s

1200 RTLTL=24h 12m 18s

0000 RTLTL=24h 12m 24s

VOYAGER 1

FDSL : 11AF

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1515 |----- 65 [D] -----| 1835

2300 |----- 25 [D] -----| 0200

DSN COVERAGE
HPTXR

32

----- 45 [D] -----| 1200

0600 |--- 45 [D] ---|

HPTXR

RTLTL : 19h 11m 8s

1200 RTLTL=19h 11m 18s

0000 RTLTL=19h 11m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B118
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: 11/08/02 - 09:23

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 18, 2002
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

RTLTL : 24h 12m 24s

1200 RTLTL=24h 12m 32s

0000 RTLTL=24h 12m 38s

VOYAGER 1

FDSL : 11AF

▼ 1745 DUMMY (17:58)

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

U/L 1815 | - | - - - - - TLC (SHORT-FORM) - - - - -

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1530 | - - - - - 63 [T] - - - - - | 1915

2140 | - - - - - 25 [D] - - - - - | 0140

DSN COVERAGE
HPTXR

32

45 [D] - - - - - | 1345

34 [o] 0740 | -

HPTXR

RTLTL : 19h 11m 28s

1200 RTLTL=19h 11m 38s

0000 RTLTL=19h 11m 48s

VOYAGER 2

FDSL : 11AF

CCSL : B118
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: 11/08/02 - 09:23

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 19, 2002
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 : 24h 12m 38s

1200 RTLTL=24h 12m 44s

0000 RTLTL=24h 12m 52s

0313 | 0313 PWS/RH

VOYAGER 1

FDSL : 11AF

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

----- TLC (SHORT-FORM) ----- | D/L -| 1955

0313
GS-4B 0313

FDS MODE
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

31

1520 |----- 63 [D] -----| 1920

1900 |----- 15 [D] -----| 0145

DSN COVERAGE
HPTXR

32

----- 34 [o] -----| 1315

0300 |----- 45 [D] -----

HPTXR

RTLTL : 19h 11m 48s

1200 RTLTL=19h 11m 58s

0000 RTLTL=19h 12m 8s

VOYAGER 2

FDSL : 11AF

CCSL : B118
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

0205 | 0206 PWS/RH
0216 - 0742 |----- DTR MAINT -----|
0343 |----- PLSCAL -| 0525
0343 |----- MAGCAL -----| 0645
0343 |----- PESCAL -----| 0703

TAPPOS 0744 |

0205
GS-4B 0206

FDS MODE
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=GS-4B @ 0205 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 0313 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: 11/08/02 - 09:23

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 20, 2002
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

RTLT : 24h 12m 52s

1200 RTLT=24h 12m 58s

0000 RTLT=24h 13m 4s

VOYAGER 1

↓ 1607 SLEW->HELIO-1B

FDSL : 11AF

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1945 |----- 25 [D] -----| 0135

DSN COVERAGE
HPTXR

32

----- 45 [D] ----- | 1315

0015 |----- 34 [D] -----| 0320

0600 |----- 45 [D] -----

HPTXR

RTLT : 19h 12m 8s

1200 RTLT=19h 12m 18s

0000 RTLT=19h 12m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B118
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

--- TAPPOS --- | 1019

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: 11/08/02 - 09:23

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 21, 2002
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 : 24h 13m 4s

1200 RTLTL=24h 13m 12s

0000 RTLTL=24h 13m 18s

VOYAGER 1

↓ 1607 SLEW->HELIO-2B

FDSL : 11AF

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1505 |----- 65 [D] -----| 1820

1945 |----- 25 [D] -----| 0130

DSN COVERAGE
HPTXR

32

----- 45 [D] -----| 1330

0345 |----- 34 [D] -----

HPTXR

RTLTL : 19h 12m 28s

1200 RTLTL=19h 12m 38s

0000 RTLTL=19h 12m 48s

VOYAGER 2

FDSL : 11AF

CCSL : B118
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: 11/08/02 - 09:23

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 22, 2002
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

RTLT : 24h 13m 18s

1200 RTLT=24h 13m 24s

0000 RTLT=24h 13m 30s

VOYAGER 1

↓ 1607 SLEW->HELIO-3B

FDSL : 11AF

TAPPOS 0611 - 0720 |-----|

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1435 |----- 65 [D] -----| 1815

1945 |----- 15 [D] -----| 0140

DSN COVERAGE
HPTXR

32

HPTXR

----- 34 [D] ----- | 1215

2140 |----- 45 [D] -----

RTLT : 19h 12m 48s

1200 RTLT=19h 12m 58s

0000 RTLT=19h 13m 8s

VOYAGER 2

FDSL : 11AF

CCSL : B118
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: 11/08/02 - 09:23

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 23, 2002
327-328

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

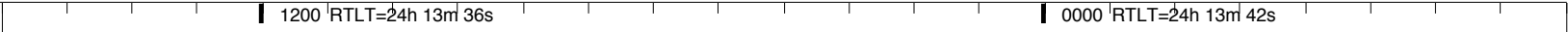
RTLTL : 24h 13m 30s

VOYAGER 1

FDSL : 11AF

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)



0913 | 0914 PWS/RH

↓ 1607 SLEW->HELIO-4B

1120 | --- | 1216 TAPPOS

0913
GS-4B 0914

CR-5T CR-5T
160(32) 160(32)

31 1325 | - - - - - 65 [D] - - - - - 1810
1855 | - - - - - 15 [D] - - - - - 0135

DSN COVERAGE
HPTXR

32 - - - - - 45 [D] - - - - - 1320 0555 | - - - 45 [D] - - -

HPTXR

RTLTL : 19h 13m 8s

VOYAGER 2

FDSL : 11AF

CCSL : B118
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)



CR-5T CR-5T
160(32) 160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 31=GS-4B @ 0913 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: 11/08/02 - 09:23

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 24, 2002
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

RTLTL : 24h 13m 42s

1200 RTLTL=24h 13m 48s

0000 RTLTL=24h 13m 54s

VOYAGER 1

↓ 1608 SLEW->HELIO-5B

FDSL : 11AF

CCSL : A045
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1605 |----- 25 [D] -----| 0130

DSN COVERAGE
HPTXR

32

----- 45 [D] -----| 1145

0545 |--- 45 [D] ---

HPTXR

RTLTL : 19h 13m 28s

1200 RTLTL=19h 13m 36s

0000 RTLTL=19h 13m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B118
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