

ISSUE DATE: 11/25/02 - 12:07

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

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: -23.286 sec
ROLLREF = RIGIL KENTAURUS

↓ 1607 SLEW->HELIO-2B

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

31

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

1945 |----- 25 [D] -----| 0145

HPTXR  
DSN COVERAGE

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

S/C 32 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -2:12.280 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: 11/25/02 - 12:07

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

RTLTL : 24h 13m 18s

1200 RTLTL=24h 13m 24s

0000 RTLTL=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] -----| 0210

DSN COVERAGE  
HPTXR

32

HPTXR

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

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

RTLTL : 19h 12m 48s

1200 RTLTL=19h 12m 58s

0000 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

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: 11/25/02 - 12:07

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)

1200 RTLTL=24h 13m 36s 0000 RTLTL=24h 13m 42s

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] - - - - - 0205

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)

1200 RTLTL=19h 13m 18s 0000 RTLTL=19h 13m 28s

CR-5T  
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: 11/25/02 - 12:07

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

1550 |----- 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

ISSUE DATE: 11/25/02 - 12:07

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 25, 2002  
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 : 24h 13m 54s

VOYAGER 1

FDSL : 11AF

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

- ↓ 1600 GYRO INIT
- ↓ 1600 GYROS AB ON
- ↓ 1610 GYRO FAULT TEST
  - ↓ 1708 SLEW->HELIO-6B
- ▼ 1700 DUMMY (17:14)

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1505 | ----- 63 [T] ----- | 1850

1830 | ----- 25 [D] ----- | 2345

0115 | --- 34 [D] --- | 0320

DSN COVERAGE  
HPTXR

32

--- 45 [D] --- | 1045

0550 | --- 45 [D] ---

HPTXR

RTLTL : 19h 13m 46s

VOYAGER 2

FDSL : 11AF

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

1200 RTLTL=19h 13m 56s

0000 RTLTL=19h 14m 6s

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: 11/25/02 - 12:07

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 26, 2002  
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

RTLT : 24h 14m 6s

1200 RTLT=24h 14m 12s

0000 RTLT=24h 14m 18s

VOYAGER 1

↓ 1608 SLEW->HELIO-7B

0249 || 0250 PWS/RH

FDSL : 11AF

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

----- TLC (SHORT-FORM) ----- | D/L -| 1912

0249  
GS-4B 0250

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

31

1325 | --- 54 [D] --- | 1550

1530 | ----- 25 [D] ----- | 0125

DSN COVERAGE  
HPTXR

32

----- 45 [D] ----- | 1310

0045 - 0750 | ----- 45 [D] ----- |

HPTXR

RTLT : 19h 14m 6s

1200 RTLT=19h 14m 16s

0000 RTLT=19h 14m 24s

VOYAGER 2

0142 || 0143 PWS/RH

FDSL : 11AF

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

0142  
GS-4B 0143

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

VOYAGER COVERAGE

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

NOTES

- [1] S/C 32=GS-4B @ 0142 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 0249 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: 11/25/02 - 12:07

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 27, 2002  
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

RTLT : 24h 14m 18s

1200 RTLT=24h 14m 24s

0000 RTLT=24h 14m 30s

VOYAGER 1

↓ 1608 SLEW->HELIO-8B

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1325 |----- 65 [D] -----| 1755

1915 |----- 15 [D] -----| 0150

DSN COVERAGE  
HPTXR

32

0930 |----- 34 [D] -----| 1240

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

HPTXR

RTLT : 19h 14m 24s

1200 RTLT=19h 14m 34s

0000 RTLT=19h 14m 44s

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: 11/25/02 - 12:07

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 28, 2002  
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 : 24h 14m 30s

1200 RTLT=24h 14m 36s

0000 RTLT=24h 14m 42s

VOYAGER 1

↓ 1608 SLEW->HELIO-9B

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1450 |-----65 [D]-----| 1750

1740 |-----15 [D]-----| 2255

2235 |-----14 [D]-----| 0210

DSN COVERAGE HPTXR

32

-----34 [D]-----| 1240

0620 |--34 [o]--|

HPTXR

RTLT : 19h 14m 44s

1200 RTLT=19h 14m 52s

0000 RTLT=19h 15m 2s

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

*Thanksgiving 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: 11/25/02 - 12:07

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 29, 2002  
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 : 24h 14m 42s

1200 RTLT=24h 14m 46s

0000 RTLT=24h 14m 52s

VOYAGER 1

↓ 1608 SLEW->HELIO-10B  
↓ 1700 GYRO INIT

FDSL : 11AF

TAPPOS 0547 | - - | 0629

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

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1320 | - - - - - 65 [D] - - - - - | 1750

2200 | - - - - - 14 [D] - - - - - | 0200

DSN COVERAGE  
HPTXR

32

- - - - - 34 [o] - - - - - | 1120

0510 | - - - - - 34 [D] - - - - -

HPTXR

RTLT : 19h 15m 2s

1200 RTLT=19h 15m 10s

0000 RTLT=19h 15m 20s

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

*Thanksgiving 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: 11/25/02 - 12:07

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 30, 2002  
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 : 24h 14m 52s

1200 RTLTL=24h 14m 58s

0000 RTLTL=24h 15m 4s

VOYAGER 1

0850 | 0850 PWS/RH

↓ 1608 SLEW->MIDPNT

FDSL : 11AF

1057 | - | 1125 TAPPOS

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

0850  
GS-4B  
0850

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1435 | - - - - - 63 [D] - - - - - | 1840

2230 | - - - - - 14 [D] - - - - - | 0200

0145 | - - - - - 45 [D] - - - - - | 0555

DSN COVERAGE  
HPTXR

32

- - - - - 34 [D] - - - - - | 1230

2125 | - - - - - 34 [D] - - - - - | 0445

0640 | 45 [D] -

HPTXR

RTLTL : 19h 15m 20s

1200 RTLTL=19h 15m 28s

0000 RTLTL=19h 15m 38s

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=CR-5T @ 0250 XB=160(32)
- [2] S/C 31=GS-4B @ 0850 XB=2.8K(41) NOT RECOVERABLE
- [3] S/C 31=GS-4B @ 0850 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: 11/25/02 - 12:07

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 1, 2002  
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

RTLTL : 24h 15m 4s

1200 RTLTL=24h 15m 8s

0000 RTLTL=24h 15m 14s

VOYAGER 1

↓ 1608 SLEW->HELIO-11B

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1450 |----- 63 [D] -----| 1835

1945 |----- 25 [D] -----| 0105

DSN COVERAGE  
HPTXR

32

--- 45 [D] ---| 1045

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

HPTXR

RTLTL : 19h 15m 38s

1200 RTLTL=19h 15m 46s

0000 RTLTL=19h 15m 56s

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: 11/25/02 - 12:07

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

<p>MONDAY DECEMBER 2, 2002 336-337</p>	
<p>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</p> <p>RTLTL : 24h 15m 14s VOYAGER 1 FDSL : 11AF CCSL : A045 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : AB ON</p> <p>FDS MODE XB DATA RATE (MI)</p>	<p>1200 RTLTL=24h 15m 18s</p> <p>1708 SLEW-&gt;HELIO-12B</p> <p>1545 ALL DB=.05</p> <p>1601 AAI</p> <p>1602   - -   1639 ASCAL</p> <p>1636 GYROS OFF</p> <p>1636 RAI</p> <p>1639 CRU</p> <p>1647 ROLL=.25</p> <p>1647 YAW=.10</p> <p>1530 1642</p> <p>CR-5T EL-40 CR-5T</p> <p>160(32) 40(30) 160(32)</p> <p>1445   - - - - -   63 [D]   - - - - -   1830</p> <p>1810   - - - - -   25 [D]   - - - - -   0100</p> <p>HPTXR</p> <p>DSN COVERAGE</p> <p>32   - - - - -   45 [D]   - - - - -   1245</p> <p>HPTXR</p>
<p>RTLTL : 19h 15m 56s VOYAGER 2 FDSL : 11AF CCSL : B118 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF</p> <p>FDS MODE XB DATA RATE (MI)</p>	<p>1200 RTLTL=19h 16m 4s</p> <p>0000 RTLTL=19h 16m 14s</p> <p>CR-5T</p> <p>160(32)</p>
<p>VOYAGER COVERAGE</p>	<p>ON CALL - - - - -   VGR - - - - -   ON CALL - - - - -</p>
<p>NOTES</p>	<p>[1] S/C 31 - D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (1602-1639)</p>

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: 11/25/02 - 12:07

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 3, 2002 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 : 24h 15m 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)	
1200 RTLT=24h 15m 30s 1608 SLEW->HELIO-13B 0000 RTLT=24h 15m 34s 1540 DUMMY (15:56) U/L 1610   -   - - - - - TLC (SHORT-FORM) - - - - - 0226 GS-4B 0227 CR-5T 160(32) CR-5T 160(32)	
31 1500   - - - - - 63 [T] - - - - - 1815 1755   - - - - - 25 [D] - - - - -   0100 HPTXR DSN COVERAGE 32   - - - - - 34 [o] - - - - -   0815 - 1220 0300   - - - - - 45 [D] - - - - - HPTXR	
RTLT : 19h 16m 14s VOYAGER 2 FDSL : 11AF CCSL : B118 TWNC : ON SB : OFF XB : LOW PYR : .05 / .10 / .25 GYROS : OFF FDS MODE XB DATA RATE (MI)	
1200 RTLT=19h 16m 22s 0000 RTLT=19h 16m 30s 0119   0120 PWS/RH 0119 GS-4B 0120 CR-5T 160(32) CR-5T 160(32)	
VOYAGER COVERAGE ON CALL VGR -   - - - - - ON CALL - - - - -	
NOTES [1] S/C 32=GS-4B @ 0119 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 0226 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: 11/25/02 - 12:07

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 4, 2002  
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

RTLTL : 24h 15m 34s

1200 RTLTL=24h 15m 38s

0000 RTLTL=24h 15m 44s

VOYAGER 1

↓ 1608 SLEW->HELIO-14B

FDSL : 11AF

----- TLC (SHORT-FORM) ----- | D/L - | 1753

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] -----| 1815

1755 |----- 25 [D] -----| 0055

DSN COVERAGE  
HPTXR

32

----- 45 [D] ----- | 1245

0415 |----- 45 [D] -----

HPTXR

RTLTL : 19h 16m 30s

1200 RTLTL=19h 16m 40s

0000 RTLTL=19h 16m 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: 11/25/02 - 12:07

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 5, 2002  
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

RTLT : 24h 15m 44s

1200 RTLT=24h 15m 48s

0000 RTLT=24h 15m 54s

VOYAGER 1

↓ 1609 SLEW->HELIO-15B

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

1440 |-----63 [D]-----| 1810

1750 |-----25 [D]-----| 2240

2220 |-----14 [D]-----| 0135

DSN COVERAGE  
HPTXR

32

-----45 [D]-----| 1235

0045 |-----45 [D]-----

HPTXR

RTLT : 19h 16m 48s

1200 RTLT=19h 16m 56s

0000 RTLT=19h 17m 6s

VOYAGER 2

FDSL : 11AF

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

0227 |---- COMMAND MORATORIUM ----

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: 11/25/02 - 12:07

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 6, 2002  
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 : 24h 15m 54s

1200 RTLT=24h 15m 58s

0000 RTLT=24h 16m 2s

VOYAGER 1

↓ 1609 SLEW->HELIO-16B

FDSL : 11AF

0524 | 0538 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

1440 |----- 63 [D] -----| 1815

2355 |----- 34 [D] -----| 0410

DSN COVERAGE  
HPTXR

32

----- 45 [D] -----| 1235

2045 - 0710 |----- 45 [D] -----|

HPTXR

RTLT : 19h 17m 6s

1200 RTLT=19h 17m 14s

0000 RTLT=19h 17m 22s

VOYAGER 2

↓ 2115 GYRO INIT

↓ 2115 GYROS AC ON

↓ 2125 GYRO FAULT TEST

FDSL : 11AF

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

----- COMMAND MORATORIUM -----

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: 11/25/02 - 12:07

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 7, 2002  
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

RTLTL : 24h 16m 2s

1200 RTLTL=24h 16m 8s

0000 RTLTL=24h 16m 12s

VOYAGER 1

0826 - 0827 PWS/RH

↓ 1609 SLEW->HELIO-17B

FDSL : 11AF

1033 | 1034 TAPPOS

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

0826  
GS-4B  
0827

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1435 |----- 63 [D] -----| 1810

1750 |----- 25 [D] -----| 0040

DSN COVERAGE  
HPTXR

32

0045 |----- 45 [D] -----

HPTXR

RTLTL : 19h 17m 22s

1200 RTLTL=19h 17m 30s

0000 RTLTL=19h 17m 38s

VOYAGER 2

FDSL : 11AF

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

----- COMMAND MORATORIUM -----

| 0154

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

VOYAGER COVERAGE

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

NOTES

- [1] S/C 31=CR-5T @ 0227 XB=160(32)
- [2] S/C 31=GS-4B @ 0826 XB=2.8K(41) NOT RECOVERABLE
- [3] S/C 31=GS-4B @ 0826 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: 11/25/02 - 12:07

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 8, 2002  
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

RTLTL : 24h 16m 12s

1200 RTLTL=24h 16m 16s

0000 RTLTL=24h 16m 20s

VOYAGER 1

↓ 1609 SLEW->HELIO-18B

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

1405 |----- 65 [D] -----| 1710

1650 |----- 25 [D] -----| 0040

DSN COVERAGE  
HPTXR

32

----- 45 [D] -----| 1230

0540 |--- 45 [D] ---

HPTXR

RTLTL : 19h 17m 38s

1200 RTLTL=19h 17m 46s

0000 RTLTL=19h 17m 54s

VOYAGER 2

↓ 2115 GYRO INIT

FDSL : 11AF

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