

ISSUE DATE: 12/16/02 - 16:05

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 12, 2002  
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

RTLTL : 24h 16m 46s

1200 RTLTL=24h 16m 50s

0000 RTLTL=24h 16m 52s

VOYAGER 1

S/C 31 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -23.109 sec
ROLLREF = RIGIL KENTAURUS

↓ 1509 SLEW->HELIO-19A

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

1420 |---- 65 [D] ----| 1700

1945 |---- 25 [D] ----| 2225

2205 |----- 14 [D] -----| 0105

DSN COVERAGE  
HPTXR

32

--- 45 [D] ----| 1040

0000 |----- 45 [D] -----

HPTXR

RTLTL : 19h 18m 42s

1200 RTLTL=19h 18m 50s

0000 RTLTL=19h 18m 58s

VOYAGER 2

S/C 32 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -2:14.750 min
ROLLREF = VEGA

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

| 0518

- ↓ 0037 GYROS BC ON
- ↓ 0038 GYRO INIT
- ↓ 0047 GYRO FAULT TEST

↓ 0022 STOP GYRO FAULT TEST

0137 | 0144 CCSTIM(B)

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 -----

| - 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: 12/16/02 - 16:05

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 13, 2002  
347-348

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 52s

1200 RTLTL=24h 16m 56s

0000 RTLTL=24h 17m 0s

VOYAGER 1

↓ 1509 SLEW->HELIO-18A

FDSL : 11AF

0500 | 0514 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

1300 |----- 63 [D] -----| 1700

2205 |----- 14 [D] -----| 0105

DSN COVERAGE HPTXR

32

----- 45 [D] -----| 1210

0525 |----- 45 [D] -----

HPTXR

RTLTL : 19h 18m 58s

1200 RTLTL=19h 19m 6s

0000 RTLTL=19h 19m 12s

VOYAGER 2

FDSL : 11AF

CCSL : B118  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/.10/.25  
GYROS : BC 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: 12/16/02 - 16:05

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 14, 2002  
348-349

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

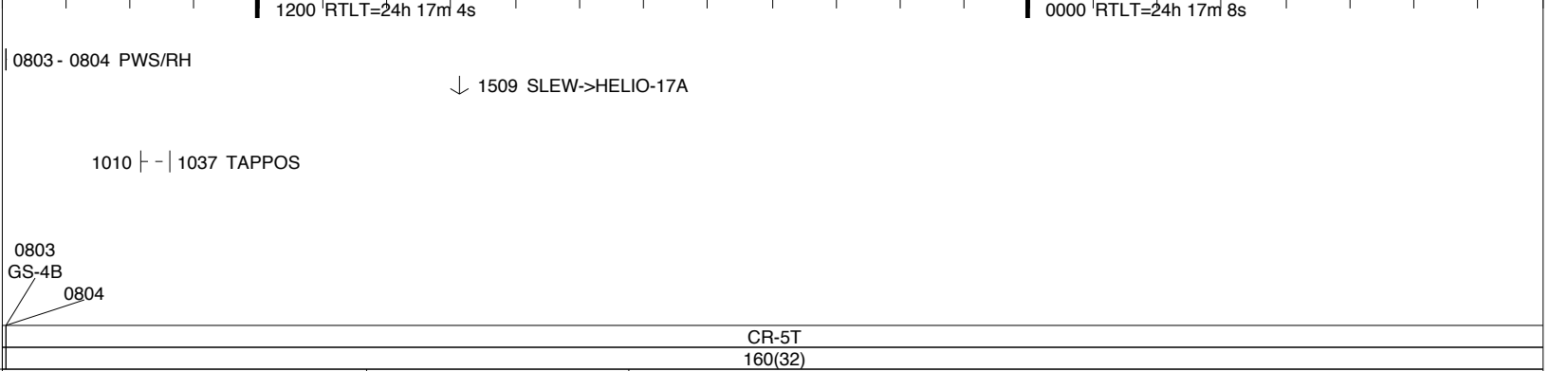
RTLTL : 24h 17m 0s

VOYAGER 1

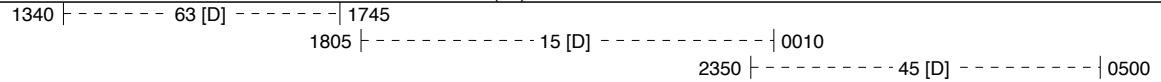
FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)



31



DSN COVERAGE  
HPTXR

32



HPTXR

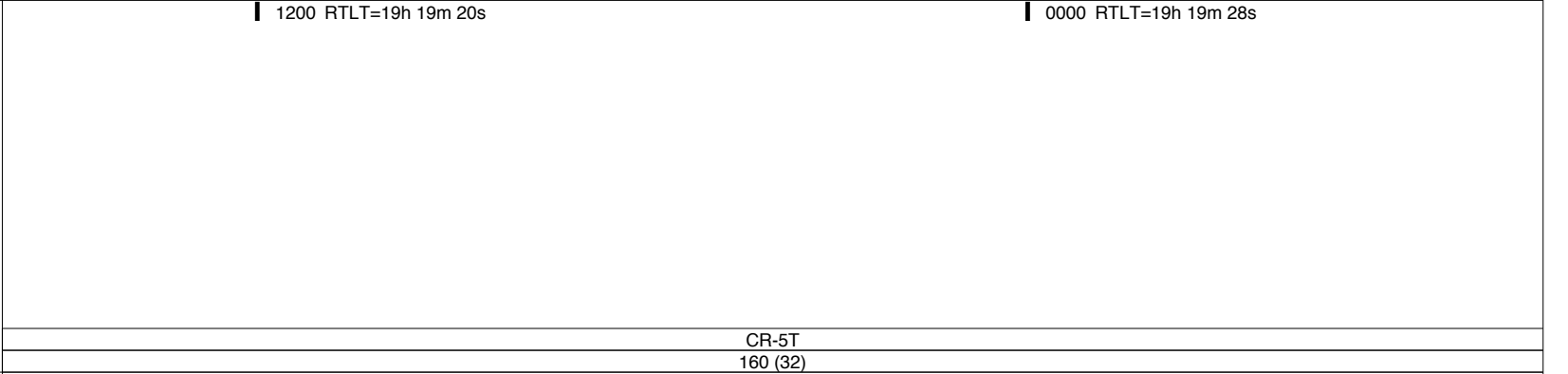
RTLTL : 19h 19m 12s

VOYAGER 2

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)



VOYAGER COVERAGE



NOTES

- [1] S/C 31=CR-5T @ 2312 XB=160(32)
- [2] S/C 31=GS-4B @ 0803 XB=2.8K(41) NOT RECOVERABLE
- [3] S/C 31=GS-4B @ 0803 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: 12/16/02 - 16:05

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 15, 2002  
349-350

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 17m 8s

1200 RTLT=24h 17m 12s

0000 RTLT=24h 17m 14s

VOYAGER 1

↓ 1509 SLEW->HELIO-16A

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

1415 | --- 65 [D] --- | 1650

1630 | ----- 25 [D] ----- | 0010

DSN COVERAGE HPTXR

32

--- 34 [D] --- | 1020

0030 | ----- 45 [D] ----- | 0610

HPTXR

RTLT : 19h 19m 28s

1200 RTLT=19h 19m 36s

0000 RTLT=19h 19m 42s

VOYAGER 2

FDSL : 11AF

CCSL : B118  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/.10/.25  
GYROS : BC 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: 12/16/02 - 16:05

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 16, 2002  
350-351

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 17m 14s

1200 RTLTL=24h 17m 18s

0000 RTLTL=24h 17m 22s

VOYAGER 1

↓ 1509 SLEW->HELIO-15A

FDSL : 11AF

U/L 1630 |-----| TLC (SHORT-FORM)

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

▼ 1615 DUMMY (16:32)

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1420 |-----| 63 |-----| 1730

1710 |-----| 25 [D] |-----| 2350

DSN COVERAGE  
HPTXR

32

|-----| 45 [D] |-----| 0845- 1150

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

HPTXR

RTLTL : 19h 19m 42s

1200 RTLTL=19h 19m 50s

0000 RTLTL=19h 19m 58s

VOYAGER 2

↓ 0138 GYRO INIT

FDSL : 11AF

CCSL : B118  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/.10/.25  
GYROS : BC 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: 12/16/02 - 16:05

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 17, 2002  
351-352

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 17m 22s

1200 RTLTL=24h 17m 24s

0000 RTLTL=24h 17m 28s

VOYAGER 1

↓ 1509 SLEW->HELIO-14A

0139 || 0140 PWS/RH

FDSL : 11AF

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

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

▼ 1615 DUMMY [3] (16:32)

0139  
GS-4B 0140

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

31

1330 |--- 65 [D] ---| 1535

1515 |----- 25 [D] -----| 0000

DSN COVERAGE  
HPTXR

1405 |----- 24 [3] -----| 1900

32

----- 34 [D] -----| 1120

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

HPTXR

RTLTL : 19h 19m 58s

1200 RTLTL=19h 20m 4s

0000 RTLTL=19h 20m 12s

VOYAGER 2

0033 || 0034 PWS/RH

FDSL : 11AF

0211 | PLSCAL | 0353

0211 |--- MAGCAL ---| 0513

0211 |----- PESCAL -----| 0531

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

0033  
GS-4B 0034

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 @ 0033 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 0139 XB=2.8K(41) NOT RECOVERABLE
- [3] NSP DEMO, CMD WITH CCP TLM TO BROADCAST B5

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: 12/16/02 - 16:05

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 18, 2002  
352-353

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 17m 28s

1200 RTLT=24h 17m 32s

0000 RTLT=24h 17m 34s

VOYAGER 1

↓ 1509 SLEW->HELIO-13A

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

1415 | --- 65 [D] --- | 1635

1615 | ----- 25 [D] ----- | 2345

DSN COVERAGE  
HPTXR

32

----- 34 [D] ----- | 1125

0155 | ----- 34 [D] -----

HPTXR

RTLT : 19h 20m 12s

1200 RTLT=19h 20m 18s

0000 RTLT=19h 20m 26s

0135 | ----- COMMAND MORATORIUM -----

VOYAGER 2

FDSL : 11AF

CCSL : B118  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/.10/.25  
GYROS : BC 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: 12/16/02 - 16:05

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 19, 2002  
353-354

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 17m 34s

1200 RTLT=24h 17m 38s

0000 RTLT=24h 17m 40s

VOYAGER 1

↓ 1509 SLEW->HELIO-12A

FDSL : 11AF

▼ 2215 DUMMY [2] (NO D/L)

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

1410 |--- 65 [D] ---| 1630

1930 |----- 25 [D] -----| 2355

0620 |--- 65 [D] ---|

2000 |----- 24 [2] -----| 0000

DSN COVERAGE  
HPTXR

1955 |----- 45 [D] -----|

32

--- 34 [D] --- | 1120

HPTXR

RTLT : 19h 20m 26s

1200 RTLT=19h 20m 32s

0000 RTLT=19h 20m 38s

VOYAGER 2

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

↓ 2025 BAY 1 HTR OFF

↓ 2029 X/B HI POWER

FDSL : 11AF

↓ 0148 AAI

0151- 0747 |----- MAGROL -----|

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

RAI 0739 ↓

CRU 0747 ↓

GYROS OFF 0747 ↓

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0151-0747)  
[2] NSP DEMO, CMD WITH CCP TLM TO BROADCAST B5

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: 12/16/02 - 16:05

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>FRIDAY DECEMBER 20, 2002 354-355</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 17m 40s VOYAGER 1 FDSL : 11AF CCSL : A045 TWNC : ON SB : OFF XB : LOW PYR : .05/.10/.25 GYROS : OFF</p> <p>FDS MODE XB DATA RATE (MI)</p>	<p>1200 RTLTL=24h 17m 44s   0000 RTLTL=24h 17m 46s</p> <p>↓ 1509 SLEW-&gt;HELIO-11A</p> <p>PWS/RH 0739 - 0740  </p> <p>0740 0739 CR-5T GS-4B</p> <p>CR-5T 160(32)</p>
<p>DSN COVERAGE</p> <p>HPTXR 31</p> <p>HPTXR 32</p>	<p>----- 65 [D] -----   1155</p> <p>----- 45 [D] -----   1130</p> <p>0225   ----- 34 [D] -----</p>
<p>RTLTL : 19h 20m 38s VOYAGER 2 FDSL : 11AF CCSL : B118 TWNC : ON SB : OFF XB : HI PYR : .05/.10/.25 GYROS : OFF</p> <p>FDS MODE XB DATA RATE (MI)</p>	<p>1200 RTLTL=19h 20m 46s   0000 RTLTL=19h 20m 52s</p> <p>----- COMMAND MORATORIUM -----</p> <p>↓ 0814 X/B LOW POWER ↓ 0818 BAY 1 HTR ON</p> <p>CR-5T 160(32)</p>
<p>VOYAGER COVERAGE</p>	<p>----- ON CALL -----</p>
<p>NOTES</p>	<p>[1] S/C 31=CR-5T @ 0739 XB=160(32) [2] S/C 31=GS-4B @ 0739 XB=2.8K(41) NOT RECOVERABLE [3] S/C 31=GS-4B @ 0740 XB=2.8K(41) NOT RECOVERABLE</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>	

ISSUE DATE: 12/16/02 - 16:05

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 21, 2002  
355-356

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 17m 46s

1200 RTLTL=24h 17m 50s

0000 RTLTL=24h 17m 52s

VOYAGER 1

↓ 1510 SLEW->MIDPNT

FDSL : 11AF

0946 |----| 1041 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

1350 |---- 63 [D] ----| 1635

1615 |----- 25 [D] -----| 2330

DSN COVERAGE  
HPTXR

32

----- 34 [D] -----| 1110

0520 |---- 45 [D] ----

HPTXR

RTLTL : 19h 20m 52s

1200 RTLTL=19h 20m 58s

0000 RTLTL=19h 21m 6s

--- COMMAND MORATORIUM ---| 1257

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: 12/16/02 - 16:05

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 22, 2002  
356-357

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 17m 52s

1200 RTLTL=24h 17m 54s

0000 RTLTL=24h 17m 58s

VOYAGER 1

↓ 1510 SLEW->HELIO-10A

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] ---| 1625

1605 |----- 25 [D] -----| 2335

DSN COVERAGE  
HPTXR

32

----- 45 [D] -----| 1135

0330 |----- 34 [D] -----

HPTXR

RTLTL : 19h 21m 6s

1200 RTLTL=19h 21m 12s

0000 RTLTL=19h 21m 18s

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: 12/16/02 - 16:05

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 23, 2002  
357-358

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 17m 58s

1200 RTLT=24h 18m 0s

0000 RTLT=24h 18m 2s

VOYAGER 1

↓ 1510 SLEW->HELIO-9A

FDSL : 11AF

U/L 1600 |----- TLC (SHORT-FORM) -----

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

▼ 1545 DUMMY (16:03)

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1415 |----- 63 [T] -----| 1705

1945 |----- 15 [D] -----| 0010

DSN COVERAGE  
HPTXR

32

----- 34 [D] -----| 1100

1940 |----- 45 [D] -----| 0145

HPTXR

RTLT : 19h 21m 18s

1200 RTLT=19h 21m 24s

0000 RTLT=19h 21m 32s

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

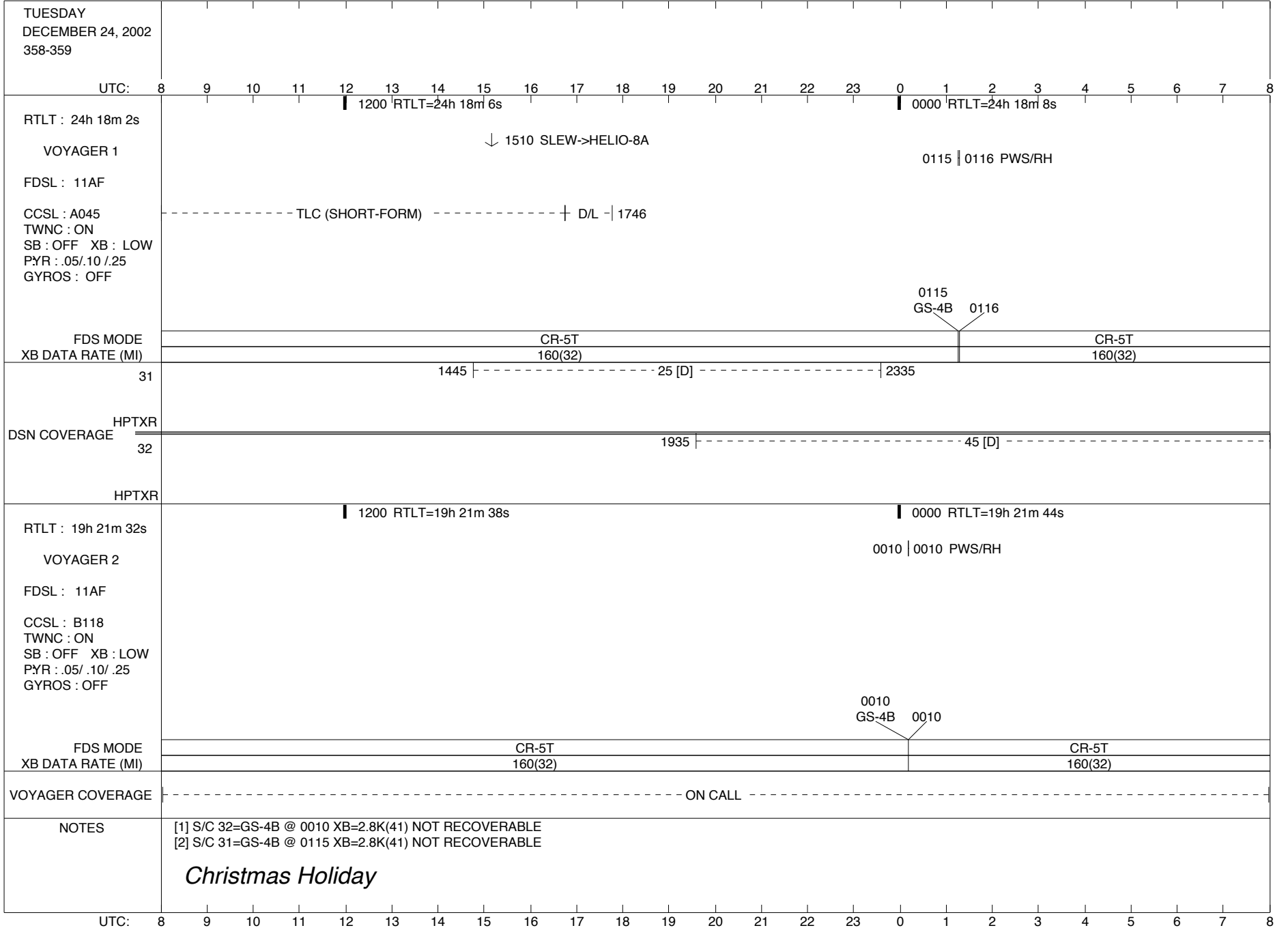
----- ON CALL -----| VGR -|----- ON CALL -----|

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: 12/16/02 - 16:05

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: 12/16/02 - 16:05

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 25, 2002  
359-360

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 18m 8s

1200 RTLT=24h 18m 10s

0000 RTLT=24h 18m 12s

VOYAGER 1

↓ 1510 SLEW->HELIO-7A

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

1920 |-----25 [D]-----| 2335

DSN COVERAGE HPTXR

32

45 [D] | 0900

1955 |-----34 [o]-----| 0430 |-----45 [D]-----| 0450

HPTXR

RTLT : 19h 21m 44s

1200 RTLT=19h 21m 50s

0000 RTLT=19h 21m 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

*Christmas 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: 12/16/02 - 16:05

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 26, 2002  
360-361

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 18m 12s

1200 RTLTL=24h 18m 14s

0000 RTLTL=24h 18m 16s

VOYAGER 1

↓ 1510 SLEW->HELIO-6A

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

1350 |--- 65 [D] ---| 1610

1915 |----- 25 [D] -----| 2330

DSN COVERAGE HPTXR

32

--- 45 [D] ---| 1010

1930 |----- 45 [D] -----| 2345

0525 |--- 45 [D] ---|

HPTXR

RTLTL : 19h 21m 56s

1200 RTLTL=19h 22m 2s

0000 RTLTL=19h 22m 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: 12/16/02 - 16:05

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 27, 2002  
361-362

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 18m 16s

1200 RTLT=24h 18m 18s

0000 RTLT=24h 18m 20s

VOYAGER 1

↓ 1510 SLEW->HELIO-5A

↓ 2040 GYROS BC ON

0413 |-----| 0522 TAPPOS

FDSL : 11AF

↓ 2041 GYRO INIT

↓ 2050 GYRO FAULT TEST

PWS/RH 0715- 0716 |

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

0716  
0715 CR-5T  
GS-4B

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1300 |----- 63 [D] -----| 1655

2010 |----- 14 [D] -----| 0020

DSN COVERAGE  
HPTXR

32

----- 45 [D] -----| 1115

1925 |----- 45 [D] -----| 0305

HPTXR

RTLT : 19h 22m 8s

1200 RTLT=19h 22m 14s

0000 RTLT=19h 22m 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 -----| VGR - |----- ON CALL -----|

NOTES

[1] S/C 31=GS-4B @ 0715 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 0716 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: 12/16/02 - 16:05

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 28, 2002  
362-363

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 18m 20s

1200 RTLTL=24h 18m 22s

0000 RTLTL=24h 18m 24s

VOYAGER 1

↓ 1510 SLEW->HELIO-4A

FDSL : 11AF

0923 | TAPPOS | 1045

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1350 |-----63 [D]-----| 1645

1645 |-----25 [D]-----| 2310

DSN COVERAGE  
HPTXR

32

1920 |-----45 [D]-----|

HPTXR

RTLTL : 19h 22m 20s

1200 RTLTL=19h 22m 26s

0000 RTLTL=19h 22m 30s

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: 12/16/02 - 16:05

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 29, 2002  
363-364

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 18m 24s

1200 RTLTL=24h 18m 26s

0000 RTLTL=24h 18m 28s

VOYAGER 1

↓ 1510 SLEW->HELIO-3A

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1425 |-----25 [D]-----| 2320

DSN COVERAGE  
HPTXR

32

-----45 [D]-----| 1100

1915 |-----45 [D]-----| 2345

HPTXR

RTLTL : 19h 22m 30s

1200 RTLTL=19h 22m 36s

0000 RTLTL=19h 22m 42s

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