

ISSUE DATE: 12/09/02 - 10:46

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

S/C 31 STATUS

FDSSL : 11AF

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -23.103 sec

CCSL : A045  
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

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

S/C 32 STATUS

FDSSL : 11AF

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -2:14.039 min

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

ROLLREF = VEGA

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: 12/09/02 - 10:46

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: 12/09/02 - 10:46

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: 12/09/02 - 10:46

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

DSN COVERAGE  
HPTXR

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

32

HPTXR

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

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

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

ISSUE DATE: 12/09/02 - 10:46

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 9, 2002  
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

RTLTL : 24h 16m 20s

1200 RTLTL=24h 16m 24s

0000 RTLTL=24h 16m 28s

VOYAGER 1

↓ 1609 SLEW->HELIO-19B

FDSL : 11AF

U/L 1555 | - - | ----- TLC (SHORT-FROM) -----

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

▼ 1545 DUMMY (16:01)

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1445 | - - - - - 63 [T] - - - - - | 1800

1740 | - - - - - 25 [D] - - - - - | 0025

0120 | - - - - - 45 [D] - - - - - | 0520

DSN COVERAGE  
HPTXR

32

----- 45 [D] ----- | 1105

2315 | - - - - - 34 [o] - - - - - | 0605 | - - 45 [D] - -  
----- | 0445

HPTXR

RTLTL : 19h 17m 54s

1200 RTLTL=19h 18m 2s

0000 RTLTL=19h 18m 10s

VOYAGER 2

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: 12/09/02 - 10:46

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 10, 2002  
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

RTLTL : 24h 16m 28s

1200 RTLTL=24h 16m 32s

0000 RTLTL=24h 16m 38s

VOYAGER 1

↓ 1609 SLEW->HELIO-20B

0202 | 0203 PWS/RH

FDSL : 11AF

CCSL : A045  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05 /10 /25  
GYROS : OFF  
----- TLC (SHORT-FROM) ----- † D/L -| 1740

0203  
GS-4B 0203

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

31

1430 |----- 63 [D] -----| 1750

1745 |---- 15 [D] ----| 2030

2040 |----- 25 [D] -----| 0030

DSN COVERAGE  
HPTXR

32

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

2030 |----- 45 [D] -----| 2340

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

HPTXR

RTLTL : 19h 18m 10s

1200 RTLTL=19h 18m 18s

0000 RTLTL=19h 18m 26s

VOYAGER 2

↓ 2115 GYRO INIT

0056 | 0057 PWS/RH

FDSL : 11AF

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

0056  
GS-4B 0057

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 @ 0056 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 0203 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: 12/09/02 - 10:46

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 11, 2002  
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

RTLTL : 24h 16m 38s

1200 RTLTL=24h 16m 42s

0000 RTLTL=24h 16m 46s

VOYAGER 1

FDSL : 11AF

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

1818 | PLSCAL -| 2000  
1818 | --- MAGCAL ---| 2120  
1818 | --- PESCAL ---| 2138  
2228 | | 2248 AACS MRO  
2248 | | 2259 CCS MRO  
2259 | | 2312 FDS MRO

FDS MODE  
XB DATA RATE (MI)

CR-5T

2214 2312

EH-12

CR-5T

160(32)

160(32)

31

1425 | --- 65 [D] ---| 1705

1715 | ----- 15 [D] -----| 2150

2205 | ----- 14 [D] -----| 0110

DSN COVERAGE  
HPTXR

32

--- 45 [D] ---| 1015

0530 | --- 45 [D] ---

HPTXR

RTLTL : 19h 18m 26s

1200 RTLTL=19h 18m 34s

0000 RTLTL=19h 18m 42s

COMMAND MORATORIUM 0548 | -----

VOYAGER 2

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

S/C 31 = EH-12 @ 22:14 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: 12/09/02 - 10:46

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

↓ 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

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

| 0518

FDSL : 11AF

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

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

↓ 0022 STOP GYRO FAULT TEST

0137 | 0144 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: 12/09/02 - 10:46

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: 12/09/02 - 10:46

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

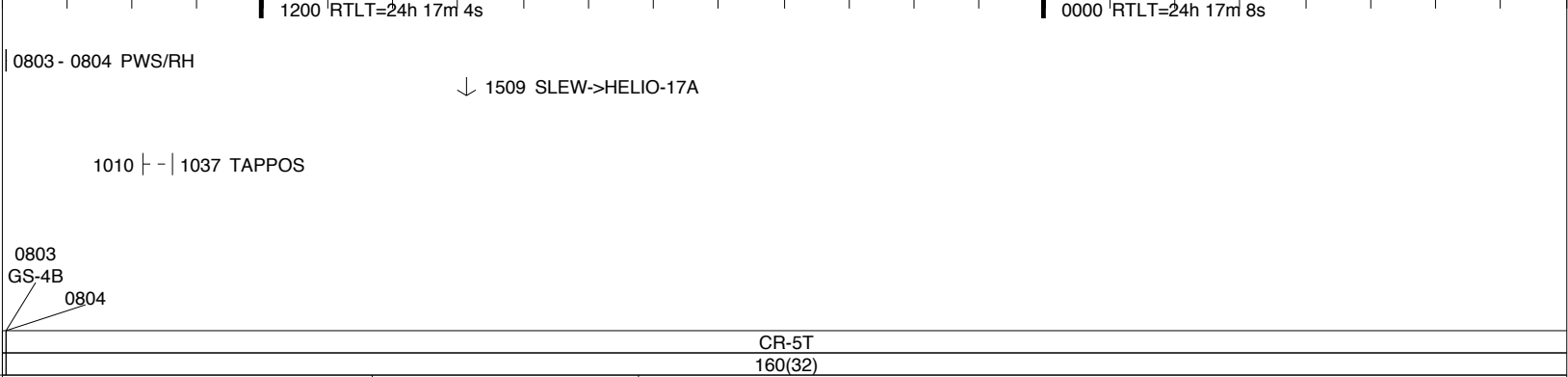
RTLTL : 24h 17m 0s

VOYAGER 1

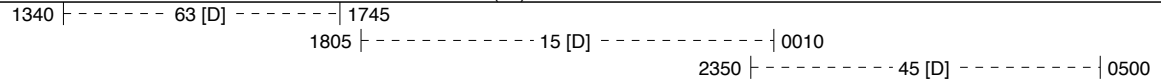
FDSL : 11AF

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

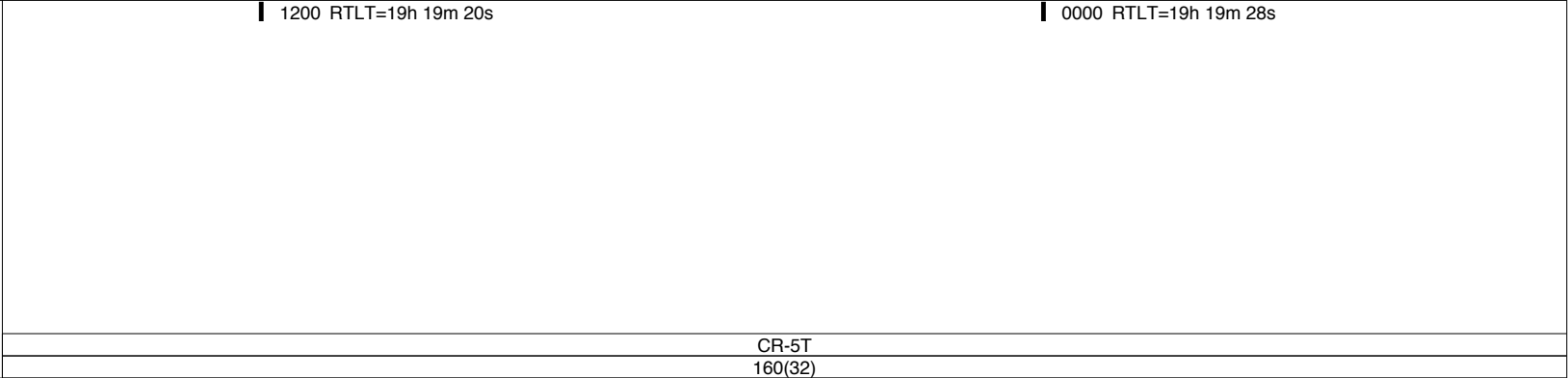
RTLTL : 19h 19m 12s

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: 12/09/02 - 10:46

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

RTLTL : 24h 17m 8s

1200 RTLTL=24h 17m 12s

0000 RTLTL=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] --- | 1135

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

HPTXR

RTLTL : 19h 19m 28s

1200 RTLTL=19h 19m 36s

0000 RTLTL=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: 12/09/02 - 10:46

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

▼ 1525 DUMMY (15:42)

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

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

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

DSN COVERAGE  
HPTXR

32

----- 45 [D] ----- | 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: 12/09/02 - 10:46

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

RTLT : 24h 17m 22s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A045  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 /10 /25  
 GYROS : OFF

1200 RTLT=24h 17m 24s  
 0000 RTLT=24h 17m 28s

↓ 1509 SLEW->HELIO-14A  
 0139 || 0140 PWS/RH

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

FDS MODE  
 XB DATA RATE (MI)

CR-5T  
 160(32)

0139  
 GS-4B 0140

CR-5T  
 160(32)

DSN COVERAGE

HPTXR  
 31  
 1330 |--- 65 [D] ---| 1535  
 1515 |----- 25 [D] -----| 0000

HPTXR  
 32  
 ----- 34 [D] -----| 1120  
 0200 |----- 34 [D] -----

RTLT : 19h 19m 58s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B118  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : BC ON

1200 RTLT=19h 20m 4s  
 0000 RTLT=19h 20m 12s

0033 || 0034 PWS/RH  
 0211 | PLSCAL -| 0353  
 0211 |--- MAGCAL ---| 0513  
 0211 |----- PSCAL -----| 0531

FDS MODE  
 XB DATA RATE (MI)

CR-5T  
 160(32)

0033  
 GS-4B 0034

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

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: 12/09/02 - 10:46

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

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

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: 12/09/02 - 10:46

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

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] ---| 1630

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

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

DSN COVERAGE  
HPTXR

32

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

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

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

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

↓ 0148 AAI  
0151 - 0747 |----- MAGROL -----|

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)

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: 12/09/02 - 10:46

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 20, 2002  
354-355

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 40s

1200 RTLTL=24h 17m 44s

0000 RTLTL=24h 17m 46s

VOYAGER 1

↓ 1509 SLEW->HELIO-11A

PWS/RH 0739 - 0740 |

FDSL : 11AF

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

0740  
0739 CR-5T  
GS-4B

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31 ----- 65 [D] ----- | 1155

DSN COVERAGE HPTXR

32 ----- 45 [D] ----- | 1130

0225 | ----- 34 [D] -----

HPTXR

1200 RTLTL=19h 20m 46s

0000 RTLTL=19h 20m 52s

RTLTL : 19h 20m 38s

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

VOYAGER 2

↓ 0814 X/B LOW POWER  
↓ 0818 BAY 1 HTR ON

FDSL : 11AF

CCSL : B118  
TWNC : ON  
SB : OFF XB : HI  
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 @ 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

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: 12/09/02 - 10:46

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: 12/09/02 - 10:46

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