

ISSUE DATE: 12/09/98 - 07:05

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 10, 1998  
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 : 20h 16m 36s

1200 RTLTL=20h 16m 40s

0000 RTLTL=20h 16m 44s

VOYAGER 1

S/C 31 STATUS

↓ 2309 SLEW->HELIO-14A

FDSL : 11AF

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -15.297 sec

CCSL : A029  
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

1045 |----- 65 [D] -----| 1715

2200 |--- 24 [D] ---| 0035

DSN COVERAGE  
HPTXR

32

45 [D] -----| 1210

0345 |----- 34 [O] -----

2330 |-- 43 [D] --| 0130

HPTXR

RTLTL : 15h 53m 42s

1200 RTLTL=15h 53m 50s

0000 RTLTL=15h 53m 58s

VOYAGER 2

S/C 32 STATUS

↓ 2343 GYRO INIT  
↓ 2343 GYROS AB ON  
↓ 2353 GYRO FAULT TEST  
0057 || 0100 CCSTIM(B)

FDSL : 11AF

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: 27.290 sec

CCSL : B101  
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

VGR

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: 12/09/98 - 07:05

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 11, 1998  
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 : 20h 16m 44s

1200 RTLT=20h 16m 46s

0000 RTLT=20h 16m 50s

VOYAGER 1

▼ 1825 DUMMY (14:41)

FDSL : 11AF

U/L 2320 | - | - - - - - TLC (SHORT-FORM) - - - - -

↓ 2309 SLEW->HELIO-13A

CCSL : A029  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

31

1735 | - - - - - 24 [T] - - - - - | 0030

DSN COVERAGE  
HPTXR

32

34 [o] - - - - - | 1150

2005 | - - - - - 43 [D] - - - - - | 0115

0410 | - - - - - 45 [D] - - - - -

HPTXR

RTLT : 15h 53m 58s

1200 RTLT=15h 54m 6s

0000 RTLT=15h 54m 14s

COMMAND MORATORIUM

0748 |

VOYAGER 2

FDSL : 11AF

CCSL : B101  
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: 12/09/98 - 07:05

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 12, 1998  
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 : 20h 16m 50s

1200 RTLTL=20h 16m 54s

0000 RTLTL=20h 16m 58s

↓ 2309 SLEW->HELIO-12A

VOYAGER 1

FDSL : 11AF

----- TLC (SHORT-FORM) ----- | D/L | 2105

CCSL : A029  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31

1330 |----- 63 [D] -----| 1750

1950 |----- 15 [D] -----| 0055

DSN COVERAGE  
HPTXR

32

----- 45 [D] -----| 1205

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

HPTXR

RTLTL : 15h 54m 14s

1200 RTLTL=15h 54m 22s

0000 RTLTL=15h 54m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B101  
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: 12/09/98 - 07:05

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 13, 1998  
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 : 20h 16m 58s

1200 RTLTL=20h 17m 2s

0000 RTLTL=20h 17m 6s

↓ 2309 SLEW->HELIO-11A

VOYAGER 1

FDSL : 11AF

CCSL : A029  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31 1150 |-----65 [D]-----| 1705 0535 |---63 [D]---

DSN COVERAGE HPTXR

32 -----45 [D]-----| 1140 0610 |--45 [D]--

HPTXR

RTLTL : 15h 54m 28s

1200 RTLTL=15h 54m 36s

0000 RTLTL=15h 54m 44s

VOYAGER 2

FDSL : 11AF

CCSL : B101  
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: 12/09/98 - 07:05

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 14, 1998  
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

RTLT : 20h 17m 6s

1200 RTLT=20h 17m 8s

0000 RTLT=20h 17m 12s

↓ 2309 SLEW->MIDPNT-A

VOYAGER 1

FDSL : 11AF

CCSL : A029  
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] --- | 1015

2125 |----- 24 [D] ----- | 0020

DSN COVERAGE HPTXR

32 ----- 45 [D] ----- | 1155

0545 |--- 43 [B] ---  
0425 |--- 45 [D] --- | 0600

HPTXR

RTLT : 15h 54m 44s

1200 RTLT=15h 54m 52s

0000 RTLT=15h 54m 58s

↓ 0043 GYRO INIT

DUMMY (BRACKETED 5MIN NO D/L) 0612 ▼

VOYAGER 2

FDSL : 11AF

CCSL : B101  
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: 12/09/98 - 07:05

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 15, 1998  
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 : 20h 17m 12s

1200 RTLTL=20h 17m 16s

0000 RTLTL=20h 17m 18s

↓ 2309 SLEW->HELIO-10A

▼ 2320 DUMMY (19:38)

U/L 2330 |----- TLC(SHORT-FORM) -----|

0027 | 0028 PWS/RH

VOYAGER 1

FDSL : 11AF

CCSL : A029

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

CR-5T

160(32)

0027  
GS-4B

0028

31

1305 |----- 14 [D] -----| 1915

2120 |----- 24 [T] -----| 0015

DSN COVERAGE  
HPTXR

32

----- 43 [B] -----| 1200

0420 |----- 45 [D] -----|

HPTXR

RTLTL : 15h 54m 58s

1200 RTLTL=15h 55m 6s

0000 RTLTL=15h 55m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B101

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : ON

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

CR-5T

160(32)

↓ 1740 BEGIN B102

2338 | 2339 PWS/RH

0116 | PLSCAL -| 0258

0116 |----- MAGCAL -----| 0418

0116 |----- PESCAL -----| 0436

2338  
GS-4B

2339

VOYAGER COVERAGE

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

|----- VGR -----|

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

NOTES

[1] S/C 32=GS-4B @ 2338 XB=2.8K(41) NOT RECOVERABLE

[2] S/C 31=GS-4B @ 0027 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: 12/09/98 - 07:05

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 16, 1998  
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

RTLT : 20h 17m 18s

1200 RTLT=20h 17m 22s

0000 RTLT=20h 17m 26s

↓ 2309 SLEW->HELIO-9A

VOYAGER 1

FDSL : 11AF

----- TLC(SHORT-FORM) ----- | D/L | 2115

CCSL : A029  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1920 |----- 15 [D] -----| 0040

0555 |--- 63 [D] ---|

DSN COVERAGE HPTXR

32

-- 45 [D] --| 0945

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

0925 |--- 43 [D] ---| 1155

HPTXR

RTLT : 15h 55m 14s

1200 RTLT=15h 55m 20s

0000 RTLT=15h 55m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B102  
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: 12/09/98 - 07:05

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 17, 1998  
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 : 20h 17m 26s

1200 RTLT=20h 17m 28s

0000 RTLT=20h 17m 32s

↓ 2309 SLEW->HELIO-8A

VOYAGER 1

FDSL : 11AF

CCSL : A029  
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

2015 |----- 24 [D] ----- | 0010

0530 |----- 63 [D] -----

DSN COVERAGE HPTXR

32 --- 42 [D] --- | 1020

0045 |----- 43 [D] ----- | 0340

0320 |----- 34 [o] -----

HPTXR

RTLT : 15h 55m 28s

1200 RTLT=15h 55m 34s

0000 RTLT=15h 55m 42s

1526 |-----

COMMAND MORATORIUM -----

↓ 0053 AAI

0056 |----- MAGROL ----- | 0652

RAI 0645 ↓

CRU 0652 ↓

GYROS OFF 0652 ↓

VOYAGER 2

FDSL : 11AF

CCSL : B102  
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

[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0056-0652)

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: 12/09/98 - 07:05

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 18, 1998  
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 : 20h 17m 32s

1200 RTLT=20h 17m 34s

0000 RTLT=20h 17m 38s

↓ 2309 SLEW->HELIO-7A

VOYAGER 1

FDSL : 11AF

CCSL : A029  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 | 0815 63 [D]

2110 |-----24 [D]-----| 0005

DSN COVERAGE  
HPTXR

32 -----34 [o]-----| 1120

1940 |-----43 [D]-----| 0050

0315 |-----45 [D]-----

HPTXR

RTLT : 15h 55m 42s

1200 RTLT=15h 55m 48s

0000 RTLT=15h 55m 54s

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

VOYAGER 2

FDSL : 11AF

CCSL : B102  
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: 12/09/98 - 07:05

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 19, 1998  
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

RTLTL : 20h 17m 38s

1200 RTLTL=20h 17m 40s

0000 RTLTL=20h 17m 42s

↓ 2309 SLEW->HELIO-6A

VOYAGER 1

FDSL : 11AF

CCSL : A029  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1035 |----- 65 [D] -----| 1540

1935 |----- 15 [D] -----| 0025

0515 |----- 63 [D] -----|

DSN COVERAGE  
HPTXR

32

----- 45 [D] -----| 1140

0315 |----- 45 [D] -----|

HPTXR

RTLTL : 15h 55m 54s

1200 RTLTL=15h 56m 2s

0000 RTLTL=15h 56m 8s

----- COMMAND MORATORIUM -----| 1456

VOYAGER 2

FDSL : 11AF

CCSL : B102  
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: 12/09/98 - 07:05

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 20, 1998  
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 : 20h 17m 42s

1200 RTLTL=20h 17m 46s

0000 RTLTL=20h 17m 48s

↓ 2310 SLEW->HELIO-5A

VOYAGER 1

FDSL : 11AF

CCSL : A029  
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  
1100 |----- 65 [D] ----- | 1640  
2250 |· 15 [D] - | 0020  
1645 |----- 15 [D] ----- | 1935

DSN COVERAGE  
HPTXR

32 ----- 45 [D] ----- | 1135  
2020 | - 15 [D] - - | 2205  
0310 |----- 45 [D] -----

HPTXR

RTLTL : 15h 56m 8s

1200 RTLTL=15h 56m 14s

0000 RTLTL=15h 56m 22s

VOYAGER 2

FDSL : 11AF

CCSL : B102  
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: 12/09/98 - 07:05

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 21, 1998  
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

RTLT : 20h 17m 48s

1200 RTLT=20h 17m 50s

0000 RTLT=20h 17m 54s

↓ 2310 SLEW->HELIO-4A

VOYAGER 1

FDSL : 11AF

CCSL : A029  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1030 |----- 65 [D] -----| 1555

1535 |----- 15 [D] -----| 0020

DSN COVERAGE  
HPTXR

32

45 [D] | 0920

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

0900 |---- 43 [D] ----| 1130

HPTXR

RTLT : 15h 56m 22s

1200 RTLT=15h 56m 28s

0000 RTLT=15h 56m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B102  
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: 12/09/98 - 07:05

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 22, 1998  
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

RTLT : 20h 17m 54s

VOYAGER 1

FDSL : 11AF

CCSL : A029  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

0003  
GS-4B 0004

↓ 2310 SLEW->HELIO-3A  
0003 | 0004 PWS/RH

1200 RTLT=20h 17m 56s

0000 RTLT=20h 17m 58s

31 1010 | --- 63 [D] --- | 1225

1855 | ----- 15 [D] ----- | 0015

DSN COVERAGE HPTXR

32 --- 34 [Do --- | 1010

1925 | ----- 43 [B] ----- | 0045

0335 | ----- 45 [D] -----

HPTXR

RTLT : 15h 56m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B102  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

2315  
GS-4B 2316

▼ 1952 DUMMY (BRACKETED 5MIN NO D/L)

2315 | 2316 PWS/RH

1200 RTLT=15h 56m 40s

0000 RTLT=15h 56m 46s

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=GS-4B @ 2315 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 0003 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: 12/09/98 - 07:05

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 23, 1998  
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

RTLTL : 20h 17m 58s

1200 RTLTL=20h 18m 0s

0000 RTLTL=20h 18m 4s

VOYAGER 1

↓ 2310 SLEW->HELIO-2A

▼ 1700 DUMMY (13:18)

FDSL : 11AF

U/L 1800 | - | ----- TLC(SHORT-FORM) -----

CCSL : A029  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1300 | ----- 14 [T] ----- | 2125

DSN COVERAGE  
HPTXR

32

HPTXR

----- 45 [D] ----- | 1125

1920 | ----- 43 [D] ----- | 0035

0530 - 0745 | --- 45 [D] --- |

RTLTL : 15h 56m 46s

1200 RTLTL=15h 56m 54s

0000 RTLTL=15h 57m 0s

VOYAGER 2

FDSL : 11AF

CCSL : B102  
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: 12/09/98 - 07:05

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 24, 1998  
358-359

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 : 20h 18m 4s

1200 RTLT=20h 18m 6s

0000 RTLT=20h 18m 8s

↓ 2310 SLEW->HELIO-1A

VOYAGER 1

FDSL : 11AF

-----TLC(SHORT-FORM) -----+ D/L -| 1546

CCSL : A029

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1255 |----- 65 [D] -----| 1625

1930 |----- 15 [D] -----| 0005

DSN COVERAGE  
HPTXR

32

1920 |----- 14 [D] -----| 2235

HPTXR

RTLT : 15h 57m 0s

1200 RTLT=15h 57m 6s

0000 RTLT=15h 57m 12s

VOYAGER 2

FDSL : 11AF

CCSL : B102

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: 12/09/98 - 07:05

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 25, 1998  
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 : 20h 18m 8s

1200 RTLT=20h 18m 10s

0000 RTLT=20h 18m 12s

VOYAGER 1

FDSL : 11AF

CCSL : A029  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

2230 | -- 43 [D] -- | 0030

0635 | 63 [D] | -

DSN COVERAGE HPTXR

32

| -- 34 [D] --- | 0830 - 1055

1905 | --- 43 [D] --- | 2145

0340 | ----- 45 [D] ----- |

HPTXR

RTLT : 15h 57m 12s

1200 RTLT=15h 57m 18s

0000 RTLT=15h 57m 24s

VOYAGER 2

FDSL : 11AF

CCSL : B102  
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 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: 12/09/98 - 07:05

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 26, 1998  
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 : 20h 18m 12s

1200 RTLTL=20h 18m 14s

0000 RTLTL=20h 18m 16s

VOYAGER 1

FDSL : 11AF

CCSL : A029  
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] ----- | 1120

1645 | ----- 24 [D] ----- | 2235

0630 | 63 [D] |

DSN COVERAGE  
HPTXR

32 ----- 45 [D] ----- | 1110

1930 | ----- 43 [D] ----- | 0025

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

HPTXR

RTLTL : 15h 57m 24s

1200 RTLTL=15h 57m 30s

0000 RTLTL=15h 57m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B102  
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: 12/09/98 - 07:05

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 27, 1998  
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

RTLTL : 20h 18m 16s

1200 RTLTL=20h 18m 18s

0000 RTLTL=20h 18m 20s

VOYAGER 1

FDSL : 11AF

CCSL : A029  
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] -| 0920

1220 |----- 14 [D] -----| 1830

0440 |----- 63 [D] -----

1810 |----- 15 [D] -----| 2355

DSN COVERAGE  
HPTXR

32 ----- 45 [D] -----| 1105

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

HPTXR

RTLTL : 15h 57m 34s

1200 RTLTL=15h 57m 40s

0000 RTLTL=15h 57m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B102  
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