

ISSUE DATE: 12/03/98 - 10:18

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 3, 1998  
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

RTLTL : 20h 15m 34s

1200 RTLTL=20h 15m 38s

0000 RTLTL=20h 15m 42s

VOYAGER 1

----- TLC (SHORT-FORM) ----- | D/L - | 1629

FDSL : 11AF

S/C 31 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -15.276 sec
ROLLREF = RIGIL KENTAURUS

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]

1745

1735

25 [D]

0105

HPTXR

DSN COVERAGE

32

45 [D]

1240

0335

45 [D]

HPTXR

RTLTL : 15h 51m 46s

1200 RTLTL=15h 51m 54s

0000 RTLTL=15h 52m 4s

VOYAGER 2

FDSL : 11AF

S/C 32 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: 27.935 sec
ROLLREF = VEGA

CCSL : B101  
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: 12/03/98 - 10:18

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 4, 1998  
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

RTLT : 20h 15m 42s

1200 RTLT=20h 15m 48s

0000 RTLT=20h 15m 52s

↓ 2309 SLEW->HELIO-20A

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

1330 | -- 61 [D] --- | 1550

1955 | ----- 24 [D] ----- | 0100

DSN COVERAGE  
HPTXR

32

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

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

HPTXR

RTLT : 15h 52m 4s

1200 RTLT=15h 52m 12s

0000 RTLT=15h 52m 20s

DUMMY (22:07) 0615 ▼

RFLOSS RESTORE M/S (22:16) 0624 ▼

VOYAGER 2

FDSL : 11AF

CCSL : B101  
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: 12/03/98 - 10:18

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 5, 1998  
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 : 20h 15m 52s

1200 RTLT=20h 15m 56s

0000 RTLT=20h 16m 2s

↓ 2309 SLEW->HELIO-19A

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 0920 |----- 54 [D] -----| 1645 2115 |----- 15 [D] -----| 0120 54 [D] 0735 |--

DSN COVERAGE HPTXR

32 43 [B] | 0915 2150 |----- 42 [D] -----|  
0855 |----- 34 [o] -----| 1155

HPTXR

RTLT : 15h 52m 20s

1200 RTLT=15h 52m 30s

0000 RTLT=15h 52m 38s

VOYAGER 2

FDSL : 11AF

CCSL : B101  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

2216 || 2221 RFLOSS RESTORE M/S D/L

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: 12/03/98 - 10:18

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 6, 1998  
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 : 20h 16m 2s

1200 RTLT=20h 16m 6s

0000 RTLT=20h 16m 10s

↓ 2309 SLEW->HELIO-18A

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

54 [D] ----- | 1640

1620 |----- 25 [D] ----- | 0050

DSN COVERAGE  
HPTXR

32

42 [D] ----- | 1105

0345 |----- 34 [o] -----

HPTXR

RTLT : 15h 52m 38s

1200 RTLT=15h 52m 46s

0000 RTLT=15h 52m 54s

VOYAGER 2

FDSL : 11AF

CCSL : B101  
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: 12/03/98 - 10:18

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 7, 1998  
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 : 20h 16m 10s

1200 RTLTL=20h 16m 14s

0000 RTLTL=20h 16m 18s

↓ 2309 SLEW->HELIO-17A

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

1050 |-----65 [D]-----|1730

2115 |-----15 [D]-----|0115

DSN COVERAGE  
HPTXR

32

34 [o]-----|1145

2225 |-----45 [D]-----

HPTXR

RTLTL : 15h 52m 54s

1200 RTLTL=15h 53m 2s

0000 RTLTL=15h 53m 10s

VOYAGER 2

2335 |---|0023 CCS DRIBBLE OUT MRO's (5)

FDSL : 11AF

↓ 0123 CCS WPM CHANGES (RFLOSS)

CCSL : B101  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

2318 0036

EL-40  
40(30)

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: 12/03/98 - 10:18

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 8, 1998  
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 : 20h 16m 18s

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)

↓ 2309 SLEW->HELIO-16A  
0050 | 0051 PWS/RH

0050  
GS-4B 0051

31

1340 |----- 65 [D] -----| 1725

1800 |----- 15 [D] -----| 0110

DSN COVERAGE  
HPTXR

32

----- 45 [D] -----| 1215

2010 |----- 43 [B] -----| 0130

0620 |----- 45 [D] -----|

HPTXR

RTLTL : 15h 53m 10s

VOYAGER 2

FDSL : 11AF

CCSL : B101  
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)

0001 | 0002 PWS/RH

▼ 2052 DUMMY (BRACKETED 5MIN NO D/L)

▼ 2212 CCS TLM RESET (NO D/L)

0002  
GS-4B 0002

1200 RTLTL=15h 53m 18s

0000 RTLTL=15h 53m 26s

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=GS-4B @ 0002 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 0050 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: 12/03/98 - 10:18

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 9, 1998  
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 : 20h 16m 28s

VOYAGER 1

FDSL : 11AF

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

1706 | PLSCAL - | 1848  
1706 | --- MAGCAL --- | 2008  
1706 | --- PESCAL --- | 2026

↓ 2309 SLEW->HELIO-15A

1200 RTLTL=20h 16m 32s

0000 RTLTL=20h 16m 36s

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1710 |----- 15 [D] ----- | 0105

DSN COVERAGE  
HPTXR

32

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

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

0950 | --- 43 [o] --- | 1220

HPTXR

1200 RTLTL=15h 53m 34s

0000 RTLTL=15h 53m 42s

RTLTL : 15h 53m 26s

VOYAGER 2

FDSL : 11AF

CCSL : B101  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

\* 1406 | | 1417 CCS TLM RESET

1220

0501

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

EL-40

40(30)

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: 12/03/98 - 10:18

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

RTLT : 20h 16m 36s

1200 RTLT=20h 16m 40s

0000 RTLT=20h 16m 44s

VOYAGER 1

FDSL : 11AF

↓ 2309 SLEW->HELIO-14A

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

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

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

DSN COVERAGE HPTXR

32

45 [D] -----| 1210

0345 |----- 34 [o] -----

HPTXR

RTLT : 15h 53m 42s

| 0819

1200 RTLT=15h 53m 50s

COMMAND MORATORIUM

0000 RTLT=15h 53m 58s

VOYAGER 2

FDSL : 11AF

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

CCSL : B101  
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: 12/03/98 - 10:18

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

RTLTL : 20h 16m 44s

1200 RTLTL=20h 16m 46s

0000 RTLTL=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

HPTXR

34 [o] -----| 1150

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

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

RTLTL : 15h 53m 58s

1200 RTLTL=15h 54m 6s

0000 RTLTL=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: 12/03/98 - 10:18

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: 12/03/98 - 10:18

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

RTLT : 20h 16m 58s

1200 RTLT=20h 17m 2s

0000 RTLT=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

RTLT : 15h 54m 28s

1200 RTLT=15h 54m 36s

0000 RTLT=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: 12/03/98 - 10:18

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] ----- | 1205

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: 12/03/98 - 10:18

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

0027  
GS-4B      0028

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)

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: 12/03/98 - 10:18

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

RTLTL : 20h 17m 18s

1200 RTLTL=20h 17m 22s

0000 RTLTL=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

RTLTL : 15h 55m 14s

1200 RTLTL=15h 55m 20s

0000 RTLTL=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: 12/03/98 - 10:18

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: 12/03/98 - 10:18

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: 12/03/98 - 10:18

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

RTLT : 20h 17m 38s

1200 RTLT=20h 17m 40s

0000 RTLT=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] -----| 1640

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

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

DSN COVERAGE  
HPTXR

32

45 [D] -----| 1140

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

HPTXR

RTLT : 15h 55m 54s

1200 RTLT=15h 56m 2s

0000 RTLT=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: 12/03/98 - 10:18

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

HPTXR  
DSN COVERAGE

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