

ISSUE DATE: 12/29/98 - 12:38

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

RTLTL : 20h 17m 26s

1200 RTLTL=20h 17m 28s

0000 RTLTL=20h 17m 32s

↓ 2309 SLEW->HELIO-8A

VOYAGER 1

S/C 31 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -15.331 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 ----- 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

RTLTL : 15h 55m 28s

1200 RTLTL=15h 55m 34s

0000 RTLTL=15h 55m 42s

1526 |-----

COMMAND MORATORIUM

↓ 0053 AAI

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

VOYAGER 2

S/C 32 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: 26.603 sec

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

ROLLREF = VEGA

RAI 0645 ↓
CRU 0652 ↓
GYROS OFF 0652 ↓

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: 12/29/98 - 12:38

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: 12/29/98 - 12:38

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] -----| 1540 1935 |----- 15 [D] -----| 0025 0515 |----- 63 [D] -----|

HPTXR
DSN COVERAGE

32 ----- 45 [D] -----| 1140 0315 |----- 45 [D] -----|

HPTXR

RTLT : 15h 55m 54s

1200 RTLT=15h 56m 2s
----- COMMAND MORATORIUM -----| 1456

0000 RTLT=15h 56m 8s

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: 12/29/98 - 12:38

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

HPTXR

DSN COVERAGE

32

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: 12/29/98 - 12:38

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 [o] -----

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: 12/29/98 - 12:38

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

1200 RTLT=20h 17m 56s

0000 RTLT=20h 17m 58s

VOYAGER 1

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

FDSL : 11AF

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

0003
GS-4B 0004

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

CR-5T
160(32)

31 1010 | --- 54 [D] --- | 1225

1855 | ----- 25 [D] ----- | 0015

DSN COVERAGE
HPTXR

32 --- 34 [o] --- | 1010

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

0335 | ----- 34 [D] -----

HPTXR

1200 RTLT=15h 56m 40s

0000 RTLT=15h 56m 46s

RTLT : 15h 56m 34s

VOYAGER 2

▼ 1952 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

2315 | 2316 PWS/RH

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

2315
GS-4B 2316

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

CR-5T
160(32)

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: 12/29/98 - 12:38

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] - - - - | 1610

DSN COVERAGE
HPTXR

32

HPTXR

----- 34 [D] ----- | 1105

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

0530 | - - - - 34 [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: 12/29/98 - 12:38

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

RTLTL : 20h 18m 4s

1200 RTLTL=20h 18m 6s

0000 RTLTL=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 |-----54 [D] -----| 1625

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

DSN COVERAGE
HPTXR

32

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

0310 |-----34 [D] -----||

HPTXR

RTLTL : 15h 57m 0s

1200 RTLTL=15h 57m 6s

0000 RTLTL=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: 12/29/98 - 12:38

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] ----- | 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: 12/29/98 - 12:38

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

RTLT : 20h 18m 12s

1200 RTLT=20h 18m 14s

0000 RTLT=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

0630 | -63 [D] -

DSN COVERAGE HPTXR

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

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

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

HPTXR

RTLT : 15h 57m 24s

1200 RTLT=15h 57m 30s

0000 RTLT=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: 12/29/98 - 12:38

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

ISSUE DATE: 12/29/98 - 12:38

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 28, 1998
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

RTLT : 20h 18m 20s

1200 RTLT=20h 18m 22s

0000 RTLT=20h 18m 24s

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] ----- | 1345

1945 |----- 25 [D] -----| 2325

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

DSN COVERAGE
HPTXR

32 |--- 43 [o] ---| 0830 - 1100

2115 |----- 42 [o] -----| 0245

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

0700 | 42 [o] |

HPTXR

RTLT : 15h 57m 46s

1200 RTLT=15h 57m 52s

0000 RTLT=15h 57m 58s

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: 12/29/98 - 12:38

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 29, 1998
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

RTLT : 20h 18m 24s

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)

▼ 2230 DUMMY (18:48)

U/L 2245 | - | - - - - - TLC (SHORT-FORM) - - - - -

2339 | 2340 PWS/RH

2339
GS-4B 2340

31 - - - - - 63 [D] - - - - - | 1345

2215 | 24 [T] | 2320

DSN COVERAGE HPTXR

32

HPTXR

- - 42 [o] - | 0935

1850 | - - - - - 43 [B] - - - - - | 0335 | - - - - - 45 [D] - - - - - | 0500

RTLT : 15h 57m 58s

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)

2252 | 2253 PWS/RH

DUMMY (BRACKETED 5MIN 19:05) 0307 ▼

2252
GS-4B 2253

1200 RTLT=15h 58m 2s

0000 RTLT=15h 58m 8s

VOYAGER COVERAGE

- - - - - ON CALL - - - - - + - VGR - + - - - ON CALL - - - - - + - VGR - + - - - ON CALL - - - - -

NOTES

[1] S/C 32=GS-4B @ 2252 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 2339 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: 12/29/98 - 12:38

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 30, 1998
364-365

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 26s

1200 RTLTL=20h 18m 28s

0000 RTLTL=20h 18m 30s

VOYAGER 1

FDSL : 11AF

TLC (SHORT-FORM) -----+ D/L -| 2004

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

1225 | - 54 [D] - - | 1415

1355 | ----- 14 [D] ----- | 1815

1800 | ----- 15 [D] ----- | 2345

DSN COVERAGE
HPTXR

32

--- 45 [D] --- | 1005

1850 | ----- 43 [D] ----- | 2330

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

HPTXR

RTLTL : 15h 58m 8s

1200 RTLTL=15h 58m 14s

0000 RTLTL=15h 58m 18s

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: 12/29/98 - 12:38

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 31, 1998
365-001

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 30s

1200 RTLT=20h 18m 32s

0000 RTLT=20h 18m 32s

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

1215 | ---- 54 [D] ---- | 1505

0100 | ----- 43 [D] ----- | 0500

DSN COVERAGE
HPTXR

32

-- 45 [D] -- | 1000

1845 | ----- 43 [D] ----- | 0015

HPTXR

RTLT : 15h 58m 18s

1200 RTLT=15h 58m 24s

0000 RTLT=15h 58m 28s

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: 12/29/98 - 12:38

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
JANUARY 1, 1999
001-002

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 32s

1200 RTLT=20h 18m 34s

0000 RTLT=20h 18m 36s

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

2125 |----- 42 [D] -----| 0215

DSN COVERAGE
HPTXR

32

--- 45 [D] ---| 0830 - 1050

0305 |----- 34 [o] -----

HPTXR

RTLT : 15h 58m 28s

1200 RTLT=15h 58m 34s

0000 RTLT=15h 58m 38s

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

NEW YEARS 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: 12/29/98 - 12:38

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
JANUARY 2, 1999
002-003

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 36s

1200 RTLTL=20h 18m 36s

0000 RTLTL=20h 18m 36s

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

1010 |----- 54 [D] -----| 1455

1755 |--- 14 [D] ---| 2035

0420 |----- 63 [D] -----|

2015 |----- 15 [D] -----| 2330

DSN COVERAGE
HPTXR

32

34 [o] | 0915

1845 |----- 43 [D] -----| 0000

0245 |----- 45 [D] -----|

HPTXR

RTLTL : 15h 58m 38s

1200 RTLTL=15h 58m 44s

0000 RTLTL=15h 58m 48s

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: 12/29/98 - 12:38

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
JANUARY 3, 1999
003-004

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 38s

1200 RTLT=20h 18m 40s

0000 RTLT=20h 18m 40s

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] ----- | 1315

0415 |----- 63 [D] -----

DSN COVERAGE
HPTXR

32

45 [D] | 0910

0430 |----- 42 [D] -----

HPTXR

RTLT : 15h 58m 48s

1200 RTLT=15h 58m 52s

0000 RTLT=15h 58m 58s

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: 12/29/98 - 12:38

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
JANUARY 4, 1999
004-005

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 40s

1200 RTLT=20h 18m 42s

0000 RTLT=20h 18m 42s

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] ----- | 1045
1030 |----- 61 [D] ----- | 1350
0410 |----- 63 [D] ----- |

DSN COVERAGE
HPTXR

32 42 [D] | 0915
1915 | 43 [D] - | 2045
0015 | 42 [D] - - | 0215
0615 | 42 [D] - - |

HPTXR

1200 RTLT=15h 59m 2s

0000 RTLT=15h 59m 6s

RTLT : 15h 58m 58s

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: 12/29/98 - 12:38

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
JANUARY 5, 1999
005-006

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 42s

1200 RTLTL=20h 18m 44s

0000 RTLTL=20h 18m 44s

VOYAGER 1

FDSL : 11AF

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

▼ 1550 EL-40 (12:10)
▼ 1605 CCSL A030 (12:24)
▼ 1630 DUMMY (12:48)
▼ 1640 CR-5T (12:59)

U/L 1700 | - |

TLC (SHORT-FORM)

2316 | 2316 PWS/RH

2328 | - - - - - DTR MAINT - - - - - | 0452

0456 - 0730 | - - - TAPPOS - - - |

2316
GS-4B 2316

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

31

--- 63 [D] --- | 1000

1330 |

----- 14 [T] -----

| 1800

1915 | - - - - - 43 [o] - - - - - | 2355

DSN COVERAGE
HPTXR

32

42 [D] | 0910

0530 | - - - 42 [o] - - -

43 [B] 0800

HPTXR

RTLTL : 15h 59m 6s

1200 RTLTL=15h 59m 12s

0000 RTLTL=15h 59m 16s

VOYAGER 2

FDSL : 11AF

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

2228 | 2229 PWS/RH

2228
GS-4B 2229

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

VOYAGER COVERAGE

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

| - - - VGR - - - |

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

NOTES

[1] S/C 32=GS-4B @ 2228 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 2316 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: 12/29/98 - 12:38

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
JANUARY 6, 1999
006-007

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 44s

1200 RTLTL=20h 18m 46s

0000 RTLTL=20h 18m 46s

VOYAGER 1

1531 | PLSCAL -| 1713
1531 | ---- MAGCAL ---- | 1833
1531 | ---- PESCAL ---- | 1851

FDSL : 11AF

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

----- TLC (SHORT-FORM) ----- | D/L -| 1420

*
1211
EL-40

*
1300

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

[1]

CR-5T
160(32)

31

1140 |----- 14 [D] -----| 1615

1915 |----- 15 [D] -----| 2315

DSN COVERAGE
HPTXR

32

42 [o] | 0905

2250 |---- 42 [o] ----| 0115

0530 |---- 42 [o] ----|

----- 43 [B] ---- | 0800 - 1030

HPTXR

RTLTL : 15h 59m 16s

1200 RTLTL=15h 59m 20s

0000 RTLTL=15h 59m 24s

VOYAGER 2

▼ 0957 DUMMY (BRACKETED 5MIN 01:57)

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
----- VGR -----

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

NOTES

[1] XB = 40(30)

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: 12/29/98 - 12:38

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
JANUARY 7, 1999
007-008

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 46s

1200 RTLT=20h 18m 46s

0000 RTLT=20h 18m 48s

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

1830 |----- 15 [D] -----| 2315

DSN COVERAGE HPTXR

32

42 [o] | 0905

1815 |----- 43 [B] -----| 2130

2330 |--- 42 [o] ---| 0145

0545 |--- 34 [o] ---|

HPTXR

RTLT : 15h 59m 24s

1200 RTLT=15h 59m 28s

0000 RTLT=15h 59m 32s

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: 12/29/98 - 12:38

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
JANUARY 8, 1999
008-009

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 48s

1200 RTLT=20h 18m 48s

0000 RTLT=20h 18m 48s

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

1320 |----- 14 [D] -----| 1745

DSN COVERAGE
HPTXR

32

--- 34 [o] --- | 1000

1810 |----- 43 [B] -----| 2340

0215 |----- 42 [o] -----|

HPTXR

RTLT : 15h 59m 32s

1200 RTLT=15h 59m 36s

0000 RTLT=15h 59m 40s

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: 12/29/98 - 12:38

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
JANUARY 9, 1999
009-010

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 48s

1200 RTLT=20h 18m 50s

0000 RTLT=20h 18m 50s

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

0930 |--- 61 [D] ---| 1150

0445 |----- 63 [D] -----|

1255 |----- 14 [D] -----| 1800

HPTXR

DSN COVERAGE

32

---| 0855 42 [o]

2335 |--- 42 [o] ---| 0145

0600 |--- 42 [o] ---|

1925 |----- 43 [D] -----| 2355

HPTXR

RTLT : 15h 59m 40s

1200 RTLT=15h 59m 44s

0000 RTLT=15h 59m 48s

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: 12/29/98 - 12:38

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
JANUARY 10, 1999
010-011

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 50s

1200 RTLT=20h 18m 50s

0000 RTLT=20h 18m 50s

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

HPTXR

DSN COVERAGE

32

HPTXR

RTLT : 15h 59m 48s

1200 RTLT=15h 59m 52s

0000 RTLT=15h 59m 56s

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