

ISSUE DATE: 11/18/98 - 07:42

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
NOVEMBER 19, 1998
323-324

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 12m 54s

1200 RTLTL=20h 13m 0s

0000 RTLTL=20h 13m 6s

VOYAGER 1

S/C 31 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -15.215 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

1700 | - 65 [D] - | 1840

1830 | - - - - - 25 [D] - - - - - | 0155

2345 | - 25 [D,1] - - | 0155

DSN COVERAGE
HPTXR

32

----- 45 [D] ----- | 1330

2125 | - - - - - 43 [B] - - - - - | 0240

0545 | - - 34 [o] - - -

HPTXR

RTLTL : 15h 47m 22s

1200 RTLTL=15h 47m 32s

0000 RTLTL=15h 47m 42s

VOYAGER 2

S/C 32 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: 29.299 sec

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

ROLLREF = VEGA

▼ 2207 CCS TLM RESET (NO D/L)

▼ 2317 DUMMY (BRACKETED 5MIN NO D/L)

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

VOYAGER COVERAGE

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

NOTES

[1] NCP DEMO TRACK TO TIS B0

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: 11/18/98 - 07:42

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
NOVEMBER 20, 1998
324-325

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 13m 6s

1200 RTLTL=20h 13m 12s

0000 RTLTL=20h 13m 20s

VOYAGER 1

↓ 1936 BAY 1 HTR ON

FDSL : 11AF

▼ 1530 DUMMY (11:43)
↓ 1531 BAY 1 HTR OFF
↓ 1535 X/B HI POWER

U/L 1610 |---| TLC (SHORT-FORM) |---|

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

1815 |---| 1835 AACS MRO
1835 |---| 1846 CCS MRO
1846 |---| 1859 FDS MRO
↓ 1932 X/B LOW POWER

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

1601

EH-12
1.2K(39)

1859

CR-5T
160(32)

31

1445 |---| 14 [T] |---| 2030

2305 |---| 25 [D] |---| 0155

63 [D] 0705 |---|

DSN COVERAGE
HPTXR

32

34 [o] |---| 1310

2155 |---| 34 [o] |---|

HPTXR

RTLTL : 15h 47m 42s

1200 RTLTL=15h 47m 52s

0000 RTLTL=15h 48m 2s

VOYAGER 2

* 1354 |---| 1433 CCS TLM RESET

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: 11/18/98 - 07:42

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
NOVEMBER 21, 1998
325-326

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 13m 20s

1200 RTLTL=20h 13m 26s

0000 RTLTL=20h 13m 32s

VOYAGER 1

↓ 1907 SLEW->HELIO-1B

SLEW->HELIO-2B 0707 ↓

FDSL : 11AF

-- TLC (SHORT-FORM) -- | D/L - | 1251

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] ----- | 1135

1115 |----- 54 [D] ----- | 1740

1815 |----- 15 [D] ----- | 0215

HPTXR

DSN COVERAGE

32

34 [o] ----- | 1305

0120 |----- 34 [D] -----

HPTXR

RTLTL : 15h 48m 2s

1200 RTLTL=15h 48m 12s

0000 RTLTL=15h 48m 22s

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: 11/18/98 - 07:42

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
NOVEMBER 22, 1998
326-327

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 13m 32s

1200 RTLTL=20h 13m 38s

0000 RTLTL=20h 13m 44s

VOYAGER 1

↓ 1907 SLEW->HELIO-3B

SLEW->HELIO-4B 0708 ↓

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

1145 |-----65 [D]-----| 1825

1800 |-----25 [D]-----| 0145

DSN COVERAGE
HPTXR

32

-----34 [D]-----| 1300

0600 |---34 [D]---

HPTXR

RTLTL : 15h 48m 22s

1200 RTLTL=15h 48m 32s

0000 RTLTL=15h 48m 42s

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: 11/18/98 - 07:42

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
NOVEMBER 23, 1998
327-328

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 13m 44s

1200 RTLTL=20h 13m 50s

0000 RTLTL=20h 13m 56s

VOYAGER 1

↓ 1908 SLEW->HELIO-5B

SLEW->HELIO-6B 0708 ↓

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

1255 |----- 54 [D] -----| 1730

1720 |----- 25 [D] -----| 0140

DSN COVERAGE
HPTXR

32

----- 34 [D] -----| 1255

0545 |--- 43 [B] ---
45 [D] 0750 |

HPTXR

RTLTL : 15h 48m 42s

1200 RTLTL=15h 48m 50s

0000 RTLTL=15h 49m 0s

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: 11/18/98 - 07:42

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
NOVEMBER 24, 1998
328-329

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 13m 56s

1200 RTLTL=20h 14m 2s

0000 RTLTL=20h 14m 8s

VOYAGER 1

FDSL : 11AF

▼ 1830 DUMMY (14:47)

0137 | 0138 PWS/RH

SLEW->HELIO-8B 0708 ↓

↓ 1908 SLEW->HELIO-7B

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

0137
GS-4B 0138

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

31

1100 |----- 54 [D] -----| 1440

1425 |----- 14 -----| 2015

2000 |----- 25 [D] -----| 0140

DSN COVERAGE
HPTXR

32

| 0815 43 [B]

2135 |----- 34 [o] -----

----- 45 [D] ----- | 1145

HPTXR

RTLTL : 15h 49m 0s

1200 RTLTL=15h 49m 10s

0000 RTLTL=15h 49m 20s

VOYAGER 2

FDSL : 11AF

0047 | 0048 PWS/RH

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

0047
GS-4B 0048

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 @ 0047 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 0137 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: 11/18/98 - 07:42

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
NOVEMBER 25, 1998
329-330

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 14m 8s

1200 RTLTL=20h 14m 14s

0000 RTLTL=20h 14m 20s

VOYAGER 1

↓ 1908 SLEW->HELIO-9B

SLEW->HELIO-10B 0708 ↓

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

1425 |-----14 [D]-----| 2010

2000 |-----15 [D]-----| 0200

HPTXR

DSN COVERAGE

32

-----34 [o]-----| 1250

2100 |-----43 [B]-----| 0200

0405 |-----34 [o]-----

HPTXR

RTLTL : 15h 49m 20s

1200 RTLTL=15h 49m 30s

0000 RTLTL=15h 49m 38s

VOYAGER 2

▼ 2127 DUMMY (BRACKETED 5MIN NO D/L)

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: 11/18/98 - 07:42

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
NOVEMBER 26, 1998
330-331

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 14m 20s

1200 RTLT=20h 14m 24s

0000 RTLT=20h 14m 30s

VOYAGER 1

↓ 1908 SLEW->MIDPNT-B

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

1400 |----- 54 [D] -----| 1720

1840 |----- 25 [D] -----| 0130

DSN COVERAGE
HPTXR

32

----- 34 [o] -----| 1245

0350 |----- 45 [D] -----

HPTXR

RTLT : 15h 49m 38s

1200 RTLT=15h 49m 48s

0000 RTLT=15h 49m 58s

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

THANKSGIVING 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: 11/18/98 - 07:42

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
NOVEMBER 27, 1998
331-332

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 14m 30s

1200 RTLT=20h 14m 36s

0000 RTLT=20h 14m 42s

VOYAGER 1

↓ 1908 SLEW->HELIO-11B

SLEW->HELIO-12B 0708 ↓

FDSL : 11AF

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

U/L 1440 | - | ----- TLC (SHORT-FORM) -----

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1415 | - | ----- 14 [T] ----- | 2020

DSN COVERAGE
HPTXR

32

45 [D] ----- | 1045

0150 | - | ----- 34 [o] -----

1035 | - | ----- 43 [B] ----- | 1305

2055 | - | ----- 43 [B] ----- | 0210

HPTXR

RTLT : 15h 49m 58s

1200 RTLT=15h 50m 8s

0000 RTLT=15h 50m 16s

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

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: 11/18/98 - 07:42

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
NOVEMBER 28, 1998
332-333

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 14m 42s

1200 RTLTL=20h 14m 48s

0000 RTLTL=20h 14m 52s

VOYAGER 1

↓ 1908 SLEW->HELIO-13B

SLEW->HELIO-14B 0708 ↓

FDSL : 11AF

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

TLC (SHORT-FORM)
D/L - 1055

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31

0900

----- 54 [D] -----

1715

1700

----- 25 [D] -----

0125

DSN COVERAGE
HPTXR

32

----- 34 [o] ----- 1240

2115

----- 34 [o] -----

HPTXR

RTLTL : 15h 50m 16s

1200 RTLTL=15h 50m 26s

0000 RTLTL=15h 50m 34s

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: 11/18/98 - 07:42

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
NOVEMBER 29, 1998
333-334

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 14m 52s

1200 RTLTL=20h 14m 58s

0000 RTLTL=20h 15m 4s

VOYAGER 1

↓ 1908 SLEW->HELIO-15B

SLEW->HELIO-16B 0708 ↓

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

1230 |-----54 [D]-----| 1710

1700 |-----25 [D]-----| 0120

DSN COVERAGE
HPTXR

32

-----34 [o]-----| 1235

0120 |-----34 [D]-----

HPTXR

RTLTL : 15h 50m 34s

1200 RTLTL=15h 50m 44s

0000 RTLTL=15h 50m 52s

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: 11/18/98 - 07:42

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
NOVEMBER 30, 1998
334-335

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 4s

1200 RTLT=20h 15m 8s

0000 RTLT=20h 15m 14s

VOYAGER 1

↓ 1908 SLEW->HELIO-17B

SLEW->HELIO-18B 0708 ↓

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

1355 |----- 65 [D] -----| 1755

1735 |----- 15 [D] -----| 0140

DSN COVERAGE
HPTXR

32

----- 34 [D] -----| 1225

0545 |-- 43 [B] --|

34 [D] 0750 |

HPTXR

RTLT : 15h 50m 52s

1200 RTLT=15h 51m 2s

0000 RTLT=15h 51m 10s

VOYAGER 2

DUMMY (BRACKETED 5MIN 22:03) 0612 ▼

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 -----

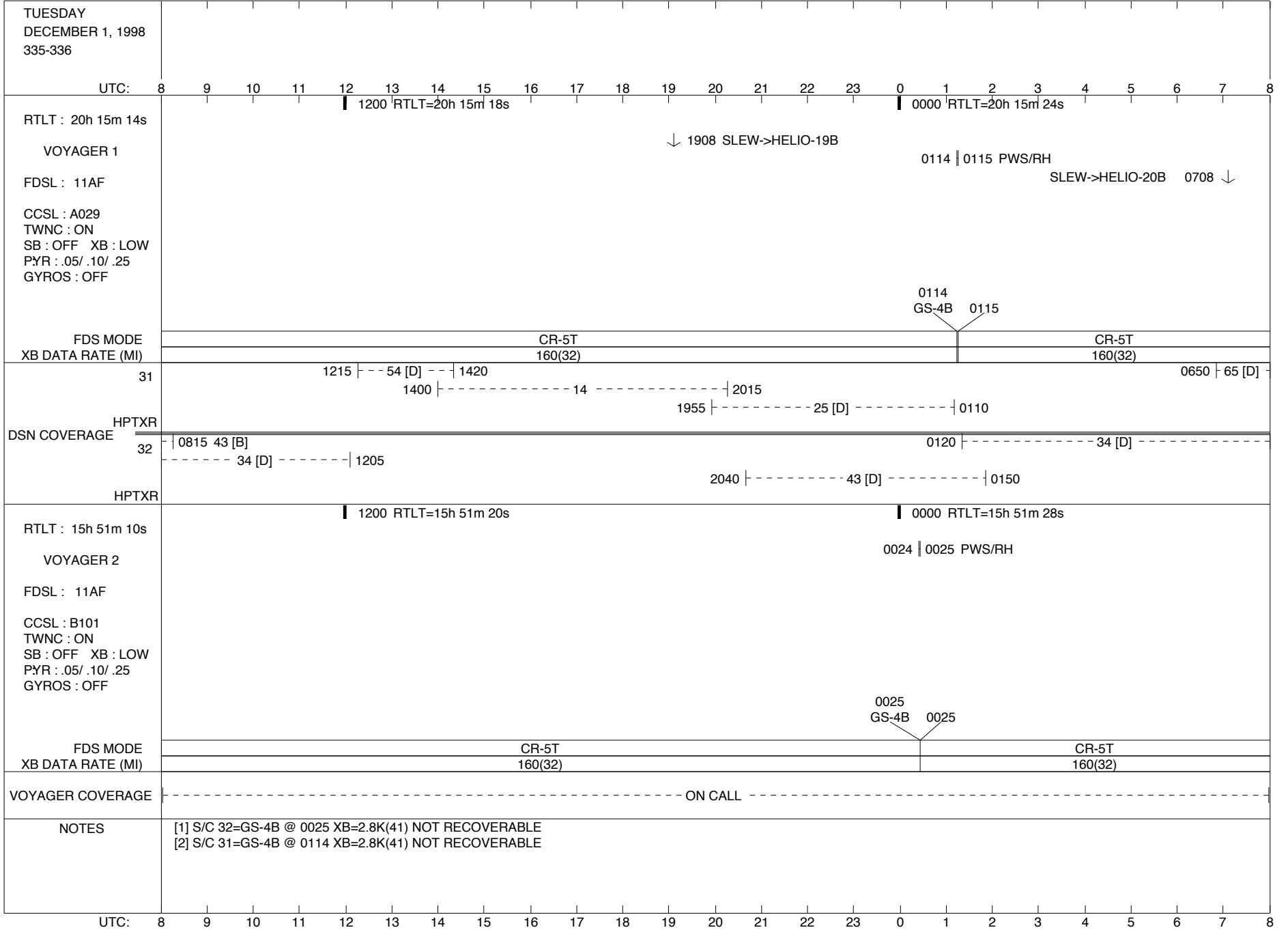
+-- VGR --+
ON CALL |-----|

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: 11/18/98 - 07:42

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: 11/18/98 - 07:42

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

FDSL : 11AF

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

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

DSN COVERAGE
HPTXR

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

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: 11/18/98 - 07:42

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

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: 11/18/98 - 07:42

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
0855 |----- 34 [o] -----| 1155

2150 |----- 42 [D] -----

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

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: 11/18/98 - 07:42

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

RTLTL : 20h 16m 2s

1200 RTLTL=20h 16m 6s

0000 RTLTL=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

RTLTL : 15h 52m 38s

1200 RTLTL=15h 52m 46s

0000 RTLTL=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: 11/18/98 - 07:42

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

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

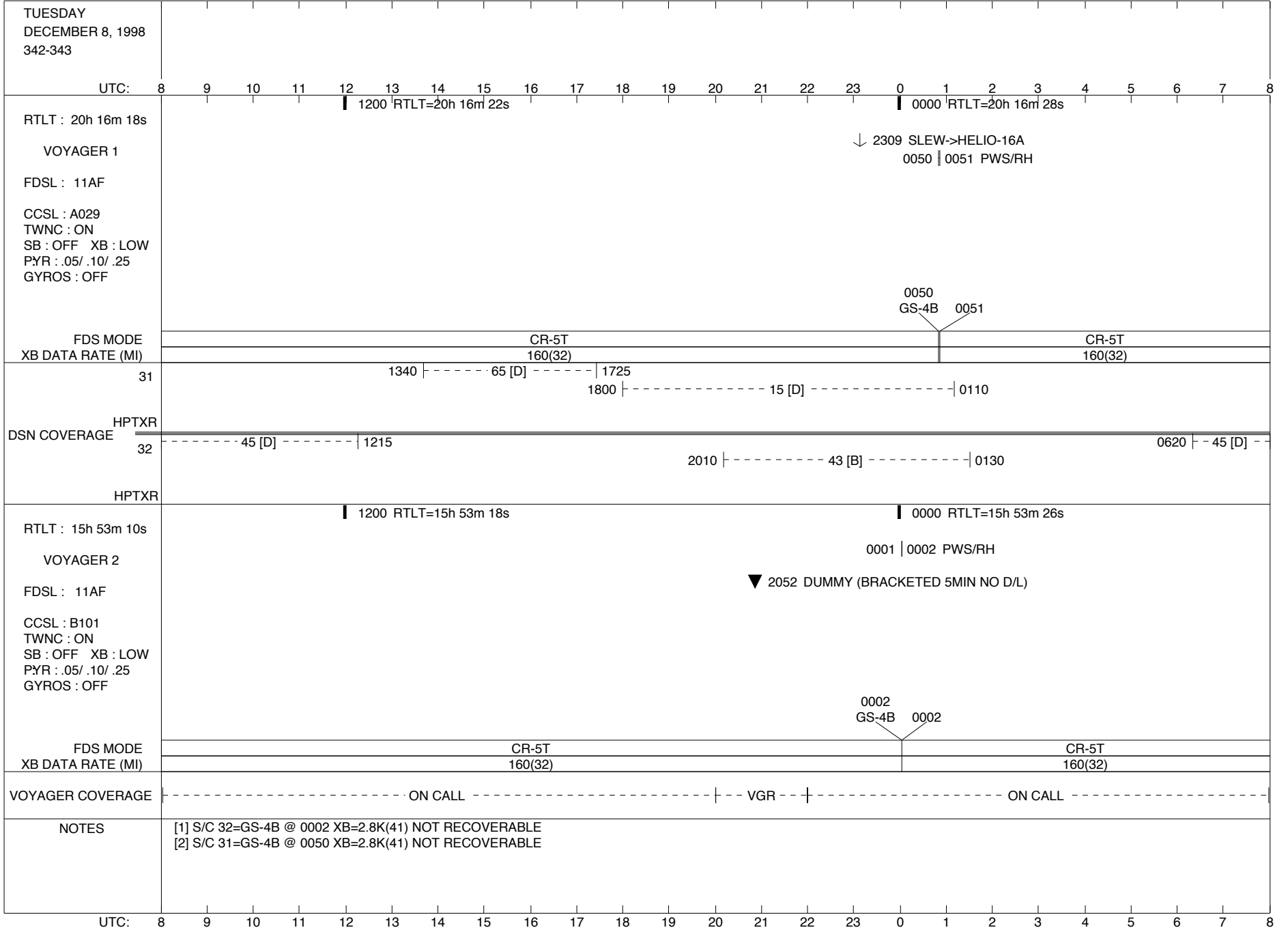
ON CALL

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: 11/18/98 - 07:42

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: 11/18/98 - 07:42

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

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

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

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

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: 11/18/98 - 07:42

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

1200 RTLT=15h 53m 50s

0000 RTLT=15h 53m 58s

VOYAGER 2

FDSL : 11AF

COMMAND MORATORIUM

↓ 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

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: 11/18/98 - 07:42

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 2220 | - | - - - - - 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

1800 | - - - - - 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: 11/18/98 - 07:42

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

VOYAGER 1

D/L - 2005

2309 SLEW->HELIO-12A

FDSL : 11AF

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

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: 11/18/98 - 07:42

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