

ISSUE DATE: 11/17/98 - 09:09

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 12, 1998  
316-317

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 :

VOYAGER 1

FDSL : 11AF

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

S/C 31 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -15.145 sec
ROLLREF = RIGIL KENTAURUS

↓ 1806 SLEW->HELIO-11C

SLEW->HELIO-12C 0606 ↓

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31

1130 |----- 65 [D] -----

| 1905

1915 |----- 25 [D] ----- | 0225

DSN COVERAGE  
HPTXR

32

34 [o] ----- | 1340

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

0912 |----- 45 [D] ----- | 1340

2150 |----- 43 [H] -----

HPTXR

RTLT : 15h 44m 56s

| 1200 RTLT=15h 45m 6s

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

| 0000 RTLT=15h 45m 16s

VOYAGER 2

↓ 0807 UVS OFF

↓ 0817 UVS REPL HTR OFF

| 0831 - 0833 AACS MRO

↓ 0843 AZ ACT COIL HEAT OFF

↓ 0853 AZ ACT HTR OFF

S/C 32 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: 30.095 sec
ROLLREF = VEGA

▼ 0106 360 X-TWT ON PRIME RELAY (16:51)

360 X-TWT ON SEC. RELAY (22:51) 0706 ▼

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

----- 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: 11/17/98 - 09:09

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 13, 1998  
317-318

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 11m 30s

1200 RTLT=20h 11m 38s

0000 RTLT=20h 11m 44s

VOYAGER 1

↓ 1806 SLEW->HELIO-13C

SLEW->HELIO-14C 0607 ↓

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

1135 |-----65 [D]-----| 1900

2210 |-----15 [D]-----| 0245

DSN COVERAGE  
HPTXR

32

34 [o]-----| 1335

2230 |-----34 [o]-----|

43 [H]-----| 1400

0400 |-----43 [H]-----|

HPTXR

RTLT : 15h 45m 16s

1200 RTLT=15h 45m 28s

0000 RTLT=15h 45m 38s

COMMAND MORATORIUM

360 S-EXC ON (22:16) 0631 ▼

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

-----VGR-----

-----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: 11/17/98 - 09:09

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 14, 1998  
318-319

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 11m 44s

1200 RTLT=20h 11m 52s

0000 RTLT=20h 11m 58s

VOYAGER 1

↓ 1807 SLEW->HELIO-15C

SLEW->HELIO-16C 0607 ↓

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

1125

65 [D]

1900

1905

25 [D]

0215

DSN COVERAGE  
HPTXR

32

34 [o]

1335

2215

34 [D]

43 [H]

1400

2326

43 [H]

HPTXR

RTLT : 15h 45m 38s

1200 RTLT=15h 45m 48s

0000 RTLT=15h 46m 0s

COMMAND MORATORIUM

1620

VOYAGER 2

60 STOP DM CYCLIC (23:16) 0731 ▼

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

VGR

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: 11/17/98 - 09:09

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 15, 1998  
319-320

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 11m 58s

1200 RTLT=20h 12m 6s

0000 RTLT=20h 12m 12s

VOYAGER 1

↓ 1807 SLEW->HELIO-17C

SLEW->HELIO-18C 0607 ↓

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

1125 |----- 65 [D] -----| 1855

1835 |----- 15 [D] -----| 0240

DSN COVERAGE  
HPTXR

32

34 [D] -----| 1330

0605 |--- 34 [D] ---|

43 [H] -----| 1400

2250 |----- 43 [H] -----|

HPTXR

RTLT : 15h 46m 0s

1200 RTLT=15h 46m 10s

0000 RTLT=15h 46m 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

VGR +----- 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: 11/17/98 - 09:09

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 16, 1998  
320-321

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 12s

1200 RTLTL=20h 12m 20s

0000 RTLTL=20h 12m 26s

VOYAGER 1

↓ 1807 SLEW->HELIO-19C

SLEW->HELIO-20C 0607 ↓

FDSL : 11AF

U/L 1630 | - | - - - - - 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

1350 | - - - - - 63 [T] - - - - - | 1710

1700 | - - 65 [D] - - | 1850

2205 | - - - - - 15 [D] - - - - - | 0235

DSN COVERAGE  
HPTXR

32

34 [D] - - - - - | 1130

0205 | - - - - - 34 [o] - - - - -

43 [H] - - - - - | 1345

HPTXR

RTLTL : 15h 46m 20s

1200 RTLTL=15h 46m 30s

0000 RTLTL=15h 46m 40s

VOYAGER 2

1030 | | 1039 FPA MODS  
1130 | | 1150 AACS MRO  
1150 | | 1201 CCS MRO  
1201 | | 1214 FDS MRO

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

1116 1214

CR-5T  
160(32)

EH-12  
[1]

CR-5T  
160(32)

VOYAGER COVERAGE

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

NOTES

[1] XB = 1.2K(39) @ 11:16

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: 11/17/98 - 09:09

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 17, 1998  
321-322

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 26s

1200 RTLTL=20h 12m 34s

0000 RTLTL=20h 12m 40s

0200 | 0201 PWS/RH

VOYAGER 1

FDSL : 11AF

----- TLC (SHORT-FORM) ----- | D/L | 1410

CCSL : A029

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

0201  
GS-4B 0201

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

CR-5T

160(32)

31

1415 |----- 54 [D] -----| 1755

2200 |----- 15 [D] -----| 0230

DSN COVERAGE  
HPTXR

32

----- 34 [o] -----| 1320

2135 |----- 43 [B] -----| 0250

0400 |----- 45 [D] -----|

HPTXR

RTLTL : 15h 46m 40s

1200 RTLTL=15h 46m 50s

0000 RTLTL=15h 47m 2s

VOYAGER 2

0110 | 0111 PWS/RH

0122 |----- DTR MAINT -----| 0648

0248 |----- PLSCAL -----| 0430

0248 |----- MAGCAL -----| 0550

0248 |----- PESCAL -----| 0608

TAPPOS 0650 |-----

FDSL : 11AF

CCSL : B101

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

0110  
GS-4B 0111

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=GS-4B @ 0110 XB=2.8K(41) NOT RECOVERABLE

[2] S/C 31=GS-4B @ 0201 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: 11/17/98 - 09:09

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 18, 1998  
322-323

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 40s

1200 RTLTL=20h 12m 46s

0000 RTLTL=20h 12m 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)

31

1450 |----- 14 [D] -----| 2050

2200 |----- 15 [D] -----| 0225

DSN COVERAGE  
HPTXR

32

----- 45 [D] ----- | 1340

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

HPTXR

RTLTL : 15h 47m 2s

1200 RTLTL=15h 47m 12s

0000 RTLTL=15h 47m 22s

VOYAGER 2

FDSL : 11AF

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

TAPPOS | 0924

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: 11/17/98 - 09:09

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

RTLT : 20h 12m 54s

1200 RTLT=20h 13m 0s

0000 RTLT=20h 13m 6s

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

1700 | - 65 [D] - | 1840

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

DSN COVERAGE  
HPTXR

32

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

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

0545 | - - 34 [o] - - -

HPTXR

RTLT : 15h 47m 22s

1200 RTLT=15h 47m 32s

0000 RTLT=15h 47m 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: 11/17/98 - 09:09

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

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: 11/17/98 - 09:09

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: 11/17/98 - 09:09

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: 11/17/98 - 09:09

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 [O] ---  
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: 11/17/98 - 09:09

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 [o]

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: 11/17/98 - 09:09

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

DSN COVERAGE  
HPTXR

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: 11/17/98 - 09:09

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

RTLTL : 20h 14m 20s

1200 RTLTL=20h 14m 24s

0000 RTLTL=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

1700 |----- 25 [D] -----| 0130

DSN COVERAGE  
HPTXR

32

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

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

HPTXR

RTLTL : 15h 49m 38s

1200 RTLTL=15h 49m 48s

0000 RTLTL=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: 11/17/98 - 09:09

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

RTLTL : 20h 14m 30s

1200 RTLTL=20h 14m 36s

0000 RTLTL=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 [o] - - - - | 1305

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

HPTXR

RTLTL : 15h 49m 58s

1200 RTLTL=15h 50m 8s

0000 RTLTL=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: 11/17/98 - 09:09

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: 11/17/98 - 09:09

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

1250 |----- 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