

ISSUE DATE: 03/02/99 - 10:41

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  
MARCH 4, 1999  
063-064

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 30s

1200 RTLTL=20h 16m 28s

0000 RTLTL=20h 16m 26s

VOYAGER 1

FDSL : 11AF

CCSL : A030  
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: -16.493 sec

---

ROLLREF = RIGIL  
KENTAURUS

↓ 1409 SLEW->HELIO-6A

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31 ----- 65 [D] ----- | 1150  
1310 |----- 25 [D] ----- | 1910  
0025 - 0720 |----- 63 [D] ----- |  
0700 | 65 [D]

DSN COVERAGE  
HPTXR

32  
1610 |----- 42 [D] ----- | 1805  
1745 |----- 43 [D] ----- | 2105  
0055 |----- 34 [o] ----- | 0615  
HPTXR

RTLTL : 16h 0m 38s

1200 RTLTL=16h 0m 36s

0000 RTLTL=16h 0m 34s

VOYAGER 2

FDSL : 11AF

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

S/C 32 STATUS

---

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: 17.679 sec

---

ROLLREF = VEGA

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: 03/02/99 - 10:41

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  
MARCH 5, 1999  
064-065

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 26s

1200 RTLTL=20h 16m 24s

0000 RTLTL=20h 16m 22s

VOYAGER 1

↓ 1409 SLEW->HELIO-5A

▼ 1500 DUMMY (11:16)

FDSL : 11AF

U/L 1515 | - - - - - TLC SHORT-FORM - - - - -

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160 (32)

31 --- 65 [D] --- | 1040

0020 | --- 63 [D] ---

1020 | --- 24 [T] --- | 1610

DSN COVERAGE  
HPTXR

1845 | --- 43 [D] --- | 2100

32

0015 | --- 45 [D] --- | 0645

HPTXR

RTLTL : 16h 0m 34s

1200 RTLTL=16h 0m 32s

0000 RTLTL=16h 0m 30s

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: 03/02/99 - 10:41

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  
MARCH 6, 1999  
065-066

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 22s

1200 RTLTL=20h 16m 20s

0000 RTLTL=20h 16m 18s

VOYAGER 1

↓ 1409 SLEW->HELIO-4A

FDSL : 11AF

--- TLC SHORT-FORM --- + D/L | 1300

CCSL : A030  
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]

1000 |----- 24 [D] -----

1445 |----- 25 [D] -----

| 1515

0015- 0745 |-----

63 [D] -----

DSN COVERAGE

HPTXR

32

1505 |-----

34 [o] -----

| 0620

HPTXR

RTLTL : 16h 0m 30s

1200 RTLTL=16h 0m 26s

0000 RTLTL=16h 0m 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

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: 03/02/99 - 10:41

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  
MARCH 7, 1999  
066-067

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

1200 RTLTL=20h 16m 16s

0000 RTLTL=20h 16m 12s

VOYAGER 1

↓ 1409 SLEW->HELIO-3A

FDSL : 11AF

CCSL : A030  
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] --- | 0845 - 1055 | 1255 | ----- 25 [D] ----- | 1900 | 0015 - 0745 | ----- 63 [D] ----- |

DSN COVERAGE  
HPTXR

32 | 2000 | ----- 43 [D] ----- | 2345 | 0030 | ----- 34 [D] ----- | 0530

HPTXR

RTLTL : 16h 0m 24s

1200 RTLTL=16h 0m 22s

0000 RTLTL=16h 0m 20s

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: 03/02/99 - 10:41

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  
MARCH 8, 1999  
067-068

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 12s

1200 RTLTL=20h 16m 10s

0000 RTLTL=20h 16m 8s

VOYAGER 1

↓ 1409 SLEW->HELIO-2A

FDSL : 11AF

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31

0955 |----- 15 [D] -----| 1530

1510 |----- 25 [D] -----| 1855

0245 |----- 65 [D] -----| 0645

DSN COVERAGE  
HPTXR

32

1430 |----- 45 [D] -----| 2145

0045 |----- 34 [o] -----| 0610

HPTXR

RTLTL : 16h 0m 20s

1200 RTLTL=16h 0m 16s

0000 RTLTL=16h 0m 14s

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: 03/02/99 - 10:41

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  
MARCH 9, 1999  
068-069

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 8s

1200 RTLTL=20h 16m 6s

0000 RTLTL=20h 16m 4s

VOYAGER 1

↓ 1409 SLEW->HELIO-1A

1938 | 1939 PWS/RH

FDSL : 11AF

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1938  
GS-4B 1939

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160 (32)

160(32)

31

----- 25 [D] ----- | 0810 - 1850

0015 |----- 63 [D] ----- | 0645

DSN COVERAGE  
HPTXR

32

1515 |----- 43 [B] ----- | 2045

0015 |----- 45 [D] ----- | 0630

HPTXR

RTLTL : 16h 0m 14s

1200 RTLTL=16h 0m 12s

0000 RTLTL=16h 0m 8s

0222 |---- COMMAND MORATORIUM ----

VOYAGER 2

▼ 1747 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

1853 | 1854 PWS/RH

1904 |----- 2015 TAPPOS

2030 | PLSCAL -| 2213

2030 |---- MAGCAL ----| 2333

2030 |----- PESCAL -----| 2350

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

1853  
GS-4B 1854

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160 (32)

160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=GS-4B @ 1853 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 1938 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: 03/02/99 - 10:41

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 MARCH 10, 1999 069-070	
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 4s VOYAGER 1 FDSL : 11AF CCSL : A030 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=20h 16m 2s 0000 RTLT=20h 16m 0s ↓ 1339 SLEW->HELIO-20C
FDS MODE	CR-5T
XB DATA RATE (MI)	160(32)
31	0945  ----- 14 [D] -----  1545 1355  ----- 25 [D] -----  1845 0015  ----- 63 [D] -----  0645
DSN COVERAGE HPTXR	
32	1415  ----- 43 [D,A] -----  0215 1815  ----- 45 [D,A] -----  0625
HPTXR	
RTLT : 16h 0m 8s VOYAGER 2 FDSL : 11AF CCSL : B102 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=16h 0m 6s 0000 RTLT=16h 0m 4s - COMMAND MORATORIUM - ↓ 1752 BAY 1 HTR OFF ↓ 1756 X/B HI POWER ↓ 1852 YAW=.05 1901  ----- PLAYBACK -----  0136 ↓ 0150 YAW=.10
FDS MODE	1901 0136
XB DATA RATE (MI)	CR-5T PB-5 CR-5T 160(32) 7.2K(55) 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: 03/02/99 - 10:41

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  
MARCH 11, 1999  
070-071

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 0s

1200 RTLTL=20h 15m 58s

0000 RTLTL=20h 15m 56s

VOYAGER 1

↓ 1409 SLEW->HELIO-19C

▼ 0055 DUMMY (NO D/L)

FDSL : 11AF

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 0945 |----- 14 [D] -----| 1415

0030 - 0745 |----- 63 -----|

DSN COVERAGE  
HPTXR

32 1445 |----- 34 [o] -----| 2330

HPTXR

RTLTL : 16h 0m 4s

1200 RTLTL=16h 0m 0s

0000 RTLTL=15h 59m 58s

VOYAGER 2

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

1724 || 1732 TAPPOS

↓ 1746 GYRO INIT

↓ 1746 GYROS BC ON

↓ 1756 GYRO FAULT TEST

1900 || 1904 CCSTIM(B)

FDSL : 11AF

CCSL : B102  
TWNC : ON  
SB : OFF XB : HI  
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

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: 03/02/99 - 10:41

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  
MARCH 12, 1999  
071-072

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 56s

1200 RTLT=20h 15m 54s

0000 RTLT=20h 15m 52s

VOYAGER 1

↓ 1409 SLEW->HELIO-18C

FDSL : 11AF

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

1215 |----- 25 [D] -----| 1715

0015- 0740 |----- 63 [D] -----|

DSN COVERAGE  
HPTXR

32

1415 |----- 45 [D] -----| 2245

0030 |----- 34 [o] -----| 0515

HPTXR

RTLT : 15h 59m 58s

1200 RTLT=15h 59m 54s

0000 RTLT=15h 59m 52s

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

| 0146

VOYAGER 2

FDSL : 11AF

CCSL : B102  
TWNC : ON  
SB : OFF XB : HI  
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: 03/02/99 - 10:41

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  
MARCH 13, 1999  
072-073

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 50s

0000 RTLT=20h 15m 48s

VOYAGER 1

↓ 1409 SLEW->HELIO-17C

FDSL : 11AF

0515 | - | U/L  
TLC SHORT-FORM | - - - - -

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1230 | - - - - - 25 [D] - - - - - | 1835

0000 | - - - - - 63 [T] - - - - - | 0650

14 [D] 0720 | - - - - -

DSN COVERAGE  
HPTXR

32

1945 | - - - - - 34 [o] - - - - - | 0555

HPTXR

RTLT : 15h 59m 52s

1200 RTLT=15h 59m 50s

0000 RTLT=15h 59m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B102  
TWNC : ON  
SB : OFF XB : HI  
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: 03/02/99 - 10:41

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  
MARCH 14, 1999  
073-074

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 48s

1200 RTLTL=20h 15m 46s

0000 RTLTL=20h 15m 44s

VOYAGER 1

↓ 1408 SLEW->HELIO-16C

FDSL : 11AF

----- TLC SHORT-FORM ----- † D/L - † 0300

CCSL : A030  
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 59m 46s

1200 RTLTL=15h 59m 44s

0000 RTLTL=15h 59m 40s

VOYAGER 2

FDSL : 11AF

CCSL : B102  
TWNC : ON  
SB : OFF XB : HI  
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: 03/02/99 - 10:41

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  
MARCH 15, 1999  
074-075

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 44s

1200 RTLT=20h 15m 42s

0000 RTLT=20h 15m 40s

VOYAGER 1

↓ 1408 SLEW->HELIO-15C

FDSL : 11AF

▼ 1600 DUMMY (12:15)

CCSL : A030  
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] --- | 1020  
1105 | ----- 24 ----- | 1615

0140 - 0715 |----- 63 [D] ----- |

DSN COVERAGE  
HPTXR

1425 |----- 34 [D] ----- | 2310

HPTXR

RTLT : 15h 59m 40s

1200 RTLT=15h 59m 38s

0000 RTLT=15h 59m 34s

VOYAGER 2

↓ 1901 ALL DB=.05  
↓ 1917 AAI  
1918 |---| 1955 ASCAL  
↓ 1953 RAI  
↓ 1955 CRU  
↓ 2004 ROLL=.25  
↓ 2004 YAW=.10  
↓ 2005 GYRO FAULT TEST

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

1846 1958  
CR-5T EL-40 CR-5T  
160(32) 40(30) 160(32)

VOYAGER COVERAGE

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

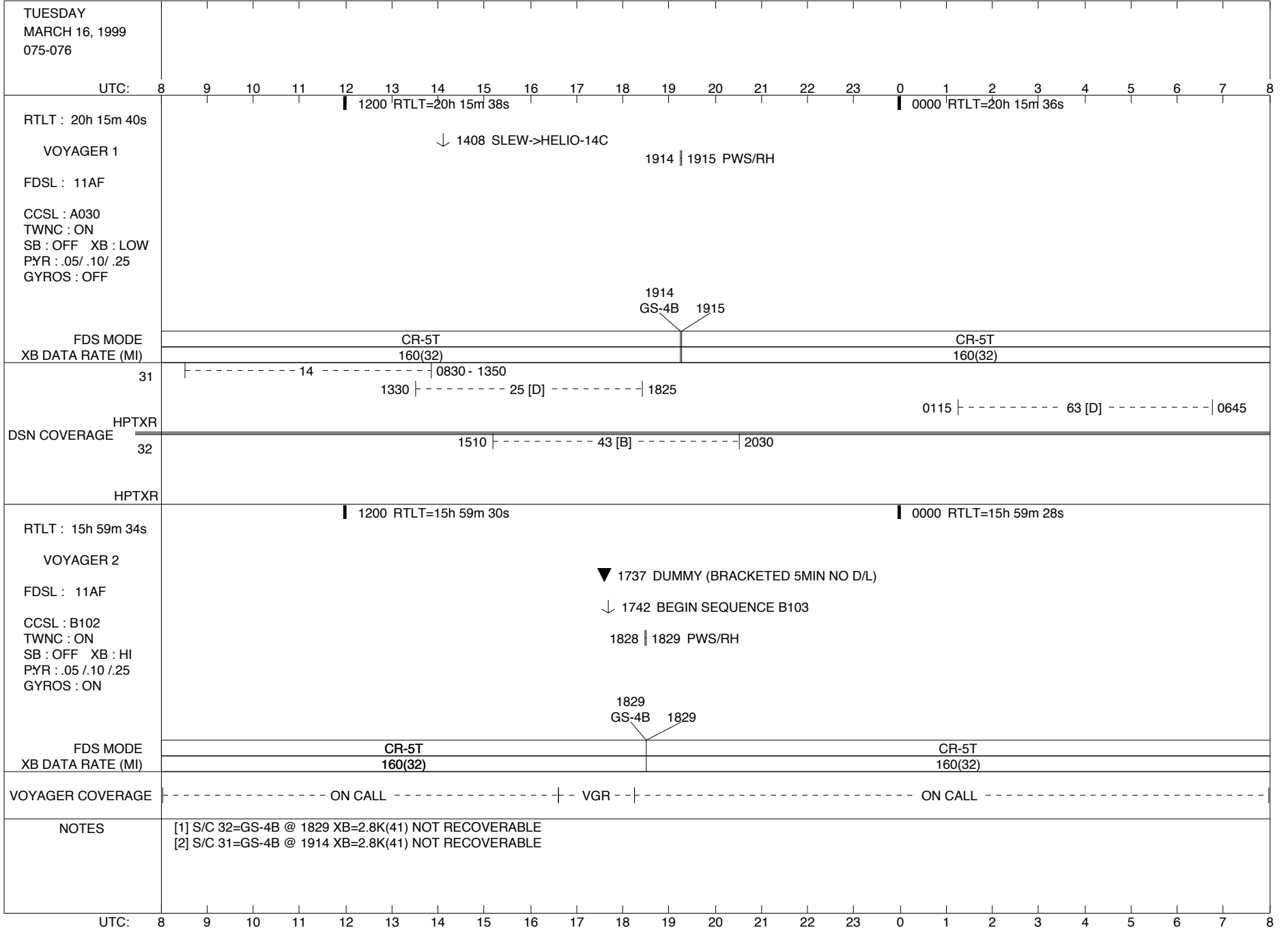
NOTES

[1] S/C 32 - D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (1918-1955)

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: 03/02/99 - 10:41

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: 03/02/99 - 10:41

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  
MARCH 17, 1999  
076-077

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 36s

1200 RTLT=20h 15m 34s

0000 RTLT=20h 15m 32s

VOYAGER 1

↓ 1408 SLEW->HELIO-13C

FDSL : 11AF

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 0905 |----- 14 -----| 1350

2330 |----- 63 [D] -----| 0545 14 [D] 0745 |

DSN COVERAGE HPTXR

32 1725 | - 34 [D] - | 1910  
1850 | - 43 [D] - | 2025

HPTXR

RTLT : 15h 59m 28s

1200 RTLT=15h 59m 24s

0000 RTLT=15h 59m 22s

VOYAGER 2

FDSL : 11AF

CCSL : B103  
TWNC : ON  
SB : OFF XB : HI  
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: 03/02/99 - 10:41

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  
MARCH 18, 1999  
077-078

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 32s

1200 RTLT=20h 15m 30s

0000 RTLT=20h 15m 28s

VOYAGER 1

↓ 1408 SLEW->HELIO-12C

FDSL : 11AF

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05 / .10 / .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 ----- 14 [D] ----- | 1330

0200 | ----- 63 [D] ----- | 0615

DSN COVERAGE HPTXR

32

1815 | --- 43 [D] --- | 2025

1950 | ----- 45 [D] ----- | 0215

HPTXR

RTLT : 15h 59m 22s

0925 | ----- 1200 RTLT=15h 59m 18s

0000 RTLT=15h 59m 16s

VOYAGER 2

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

↓ 1855 AAI

1858 | ----- MAGROL ----- | 0054

↓ 0047 RAI

↓ 0054 CRU

↓ 0054 GYROS OFF

FDSL : 11AF

CCSL : B103  
TWNC : ON  
SB : OFF XB : HI  
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 (1858-0054)

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: 03/02/99 - 10:41

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  
MARCH 19, 1999  
078-079

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 28s

1200 RTLTL=20h 15m 26s

0000 RTLTL=20h 15m 24s

VOYAGER 1

1200 | - | U/L

TLC SHORT-FORM

FDSL : 11AF

↓ 1408 SLEW->HELIO-11C

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1015 | - - - - - 14 [T] - - - - - 1445

0200 | - - - - - 63 [D] - - - - - 25 [D] 0725 | - - - - - 0630

DSN COVERAGE  
HPTXR

32

1410 | - - - - - 34 [o] - - - - - 0155

HPTXR

RTLTL : 15h 59m 16s

1200 RTLTL=15h 59m 12s

0000 RTLTL=15h 59m 8s

COMMAND MORATORIUM

VOYAGER 2

FDSL : 11AF

CCSL : B103  
TWNC : ON  
SB : OFF XB : HI  
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: 03/02/99 - 10:41

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  
MARCH 20, 1999  
079-080

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 24s

1200 RTLT=20h 15m 22s

0000 RTLT=20h 15m 20s

VOYAGER 1

↓ 1408 SLEW->MIDPNT-C

FDSL : 11AF

---| TLC SHORT-FORM  
| D/L -| 0943

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

----- 25 [D] -----| 1540

2315 |----- 63 [D] -----| 0315

DSN COVERAGE  
HPTXR

32

1910 |----- 34 [o] -----| 0210

HPTXR

RTLT : 15h 59m 8s

1200 RTLT=15h 59m 6s

0000 RTLT=15h 59m 2s

---| 0855 COMMAND MORATORIUM

VOYAGER 2

FDSL : 11AF

CCSL : B103  
TWNC : ON  
SB : OFF XB : HI  
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: 03/02/99 - 10:41

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  
MARCH 21, 1999  
080-081

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 20s

1200 RTLT=20h 15m 18s

0000 RTLT=20h 15m 16s

VOYAGER 1

↓ 1341 SLEW->HELIO-10C

FDSL : 11AF

CCSL : A030  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1200 |----- 25 [D] -----| 1750

2310 |----- 63 [D] -----| 0645 | 14 [D] | 0645

DSN COVERAGE  
HPTXR

32

1600 |----- 43 [D] -----| 2015

1945 |----- 34 [D] -----| 0525

HPTXR

RTLT : 15h 59m 2s

1200 RTLT=15h 58m 58s

0000 RTLT=15h 58m 56s

VOYAGER 2

FDSL : 11AF

CCSL : B103  
TWNC : ON  
SB : OFF XB : HI  
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