

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
MAY 27, 1999
147-148

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 16m 56s
VOYAGER 1
FDSL : 11AF
CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=20h 17m 0s
0000 RTLT=20h 17m 6s

↓ 0909 SLEW->HELIO-12B
↓ 2109 SLEW->HELIO-13B

TLC (SHORT-FORM) ----- D/L -| 0220

S/C 31 STATUS	
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -17.078 sec	
ROLLREF = RIGIL KENTAURUS	

FDS MODE CR-5T
XB DATA RATE (MI) 160 (32)

31 0945 |----- 15 [D] -----| 1405
1900 |----- 63 [D] -----| 0300 |----- 14 [D] -----| 0235

DSN COVERAGE HPTXR

32 0905 |----- 43 [D] -----| 1705
1700 |----- 34 [D] -----| 2145

HPTXR

RTLT : 15h 52m 24s
VOYAGER 2
FDSL : 11AF
CCSL : B103
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=15h 52m 24s
0000 RTLT=15h 52m 22s

S/C 32 STATUS	
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: 9.085 sec	
ROLLREF = VEGA	

FDS MODE CR-5T
XB DATA RATE (MI) 160 (32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
MAY 28, 1999
148-149

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 17m 6s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=20h 17m 10s
 0000 RTLT=20h 17m 14s

↓ 0909 SLEW->HELIO-14B
 ↓ 2109 SLEW->HELIO-15B

FDS MODE CR-5T
 XB DATA RATE (MI) 160 (32)

31 ----- 14 [D] ----- | 1000
 0940 |----- 24 [D] ----- | 1300
 0040 |----- 54 [D] ----- | 0520
 14 [D] 0700

HPTXR

DSN COVERAGE

32 ----- 0900 |----- 43 [D] ----- | 1705
 1700 |----- 34 [o] ----- | 2310

HPTXR

RTLT : 15h 52m 22s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B103
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=15h 52m 22s
 0000 RTLT=15h 52m 22s

FDS MODE CR-5T
 XB DATA RATE (MI) 160 (32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
MAY 29, 1999
149-150

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 17m 14s

1200 RTLT=20h 17m 18s

0000 RTLT=20h 17m 22s

VOYAGER 1

↓ 0909 SLEW->HELIO-16B

↓ 2109 SLEW->HELIO-17B

FDSL : 11AF

CCSL : A031
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 52m 22s

1200 RTLT=15h 52m 20s

0000 RTLT=15h 52m 20s

VOYAGER 2

FDSL : 11AF

CCSL : B103
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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
MAY 30, 1999
150-151

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 17m 22s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=20h 17m 28s
 0909 SLEW->HELIO-18B
 2109 SLEW->HELIO-19B
 0000 RTLT=20h 17m 32s

FDS MODE CR-5T
 XB DATA RATE (MI) 160 (32)

31 ----- 14 [D] ----- 1215
 1835 |----- 63 [D] -----| 2215
 0250 |----- 24 [D] -----|

DSN COVERAGE HPTXR
 32
 HPTXR
 1915 |----- 34 [D] -----| 0035

RTLT : 15h 52m 20s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B103
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=15h 52m 18s
 0000 RTLT=15h 52m 18s

FDS MODE CR-5T
 XB DATA RATE (MI) 160 (32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
MAY 31, 1999
151-152

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 17m 32s

1200 RTLT=20h 17m 36s

0000 RTLT=20h 17m 42s

VOYAGER 1

↓ 0909 SLEW->HELIO-20B

FDSL : 11AF

CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31

-----24 [D]-----| 1115

1830 |

-----63 [D]-----

0205 |

-----14 [D]-----

| 0215

DSN COVERAGE
HPTXR

32

0850 |

-----43 [D]-----

| 1945

1925 |

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

| 0045

HPTXR

RTLT : 15h 52m 18s

1200 RTLT=15h 52m 18s

0000 RTLT=15h 52m 16s

VOYAGER 2

FDSL : 11AF

CCSL : B103
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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 1, 1999
152-153

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 17m 42s
VOYAGER 1
FDSL : 11AF
CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=20h 17m 46s
0000 RTLT=20h 17m 52s

1451 | 1452 PWS/RH
1503 | ----- DTR MAINT ----- | 2027
2031 | --- TAPPOS --- | 2306

1451
GS-4B 1452

FDS MODE CR-5T CR-5T
XB DATA RATE (MI) 160 (32) 160(32)

31 ----- 14 [D] ----- | 0945
1005 | ----- 25 [D] ----- | 1320
14 [D] 0700

HPTXR
DSN COVERAGE
32 0845 | ----- 43 [D] ----- | 1655
1635 | ----- 34 [D] ----- | 0045

HPTXR
0115 | ----- 65 [D] ----- | 0555

RTLT : 15h 52m 16s
VOYAGER 2
FDSL : 11AF
CCSL : B103
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=15h 52m 16s
0000 RTLT=15h 52m 16s

1401 | 1402 PWS/RH
1539 | PLSCAL - | 1721
1539 | ---- MAGCAL ---- | 1841
1539 | ----- PESCAL ----- | 1859

1401
GS-4B 1402

FDS MODE CR-5T CR-5T
XB DATA RATE (MI) 160 (32) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES
[1] S/C 32=GS-4B @ 1401 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 1451 XB=2.8K(41) NOT RECOVERABLE

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 2, 1999
153-154

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 17m 52s

1200 RTLT=20h 17m 56s

0000 RTLT=20h 18m 2s

VOYAGER 1

U/L 0700

FDSL : 11AF

CCSL : A031
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] --- | 0700 - 0940 --- 14 [T] 0630 | ---

1015 |----- 15 [D] ----- | 1340

1820 |----- 63 [D] ----- | 0445

DSN COVERAGE
HPTXR

32

0840 |----- 43 [B] ----- | 1650

1645 |----- 34 [o] ----- | 0040

HPTXR

RTLT : 15h 52m 16s

1200 RTLT=15h 52m 16s

0000 RTLT=15h 52m 16s

VOYAGER 2

▼ 1607 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B103
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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 3, 1999
154-155

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLTL : 20h 18m 2s

1200 RTLTL=20h 18m 6s

0000 RTLTL=20h 18m 12s

VOYAGER 1

0700 - U/L

TLC SHORT-FORM

D/L - 0446

FDSL : 11AF

CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

▼ 1900 DUMMY (NO D/L)

↓ 1910 SLEW->HELIO-19A

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 ----- 14 [T] ----- 1355

1830 |----- 63 -----| 0300 |----- 14 [D] -----| 0205

DSN COVERAGE
HPTXR

32 0835 |----- 43 [D] -----| 1645

1610 |----- 34 [D] -----| 2145

HPTXR

RTLTL : 15h 52m 16s

1200 RTLTL=15h 52m 14s

0000 RTLTL=15h 52m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B103
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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 4, 1999
155-156

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 18m 12s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

↓ 0710 SLEW->HELIO-18A
 ↓ 1910 SLEW->HELIO-17A

1200 RTLT=20h 18m 16s
 0000 RTLT=20h 18m 22s

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

31 --- 14 [D] --- | 0920
 0955 |----- 25 [D] -----| 1305
 0230 |----- 24 [D] -----
 0020 |--- 54 [D] --- | 0250
 14 [D] 0700

HPTXR

DSN COVERAGE

32
 1145 |----- 43 [D] -----| 1645
 1625 |----- 34 [D] -----| 2035
 2010 |----- 45 [D] -----| 0030

HPTXR

RTLT : 15h 52m 14s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B103
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=15h 52m 14s
 0000 RTLT=15h 52m 14s

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 5, 1999
156-157

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 18m 22s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

↓ 0710 SLEW->HELIO-16A
 ↓ 1910 SLEW->HELIO-15A

1200 RTLT=20h 18m 26s
 0000 RTLT=20h 18m 32s

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

31 | 0715 24 [D] | 0545 | 24 [D] |

----- 14 [D] ----- | 0700 - 1350

HPTXR 0020 | ----- 54 [D] ----- | 0450

DSN COVERAGE

32 | 0830 | ----- 43 [D] ----- | 1645

HPTXR 1625 | ----- 34 [D] ----- | 0030

RTLT : 15h 52m 14s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B103
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=15h 52m 14s
 0000 RTLT=15h 52m 14s

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 6, 1999
157-158

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 18m 32s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

↓ 0710 SLEW->HELIO-14A
 ↓ 1910 SLEW->HELIO-13A

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

1200 RTLT=20h 18m 38s 0000 RTLT=20h 18m 44s

31 ----- 24 [D] ----- | 1200 0600 | 24 [D]

1140 | 25 [D] | 1300 1805 | ----- 63 [D] ----- | 0155

HPTXR

DSN COVERAGE

32 1145 | ----- 43 [D] ----- | 1635

1645 | ----- 34 [o] ----- | 2325

HPTXR

RTLT : 15h 52m 14s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B103
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

1200 RTLT=15h 52m 14s 0000 RTLT=15h 52m 14s

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 7, 1999
158-159

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 18m 44s

1200 RTLT=20h 18m 48s

0000 RTLT=20h 18m 54s

VOYAGER 1

↓ 0710 SLEW->HELIO-12A

↓ 1910 SLEW->HELIO-11A

FDSL : 11AF

CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 ----- 24 [D] ----- | 1205 1800 - 0610 | ----- 63 [D] ----- | 0545 | 24 [D] |

DSN COVERAGE HPTXR

32 0820 | ----- 43 [D] ----- | 1635 1710 | ----- 45 [D] ----- | 2145

HPTXR

RTLT : 15h 52m 14s

1200 RTLT=15h 52m 14s

0000 RTLT=15h 52m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B103
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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 8, 1999
159-160

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLTL : 20h 18m 54s

1200 RTLTL=20h 19m 0s

0000 RTLTL=20h 19m 6s

VOYAGER 1

↓ 0710 SLEW->MIDPNT-A

1428 | 1429 PWS/RH

↓ 1910 SLEW->HELIO-10A

FDSL : 11AF

CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1428
GS-4B 1429

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

31 ----- 24 [D] ----- | 1125

0020 | ----- 54 [D] ----- | 0435
0545 | 24 [D] |

DSN COVERAGE
HPTXR

32 0815 | ----- 43 [B] ----- | 1630
1735 | ----- 34 [D] ----- | 2105

HPTXR

RTLTL : 15h 52m 14s

1200 RTLTL=15h 52m 14s

0000 RTLTL=15h 52m 16s

VOYAGER 2

1337 | 1338 PWS/RH

▼ 1547 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B103
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1337
GS-4B 1338

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 @ 1337 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 1428 XB=2.8K(41) NOT RECOVERABLE

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 9, 1999
160-161

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLTL : 20h 19m 6s

1200 RTLTL=20h 19m 12s

0000 RTLTL=20h 19m 18s

VOYAGER 1

↓ 0710 SLEW->HELIO-9A

↓ 1910 SLEW->HELIO-8A

▼ 2230 DUMMY (18:49)

U/L 2300 | - | - - - - - TLC (SHORT-FORM) - - - - -

FDSL : 11AF

CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 - - - - - 24 [D] - - - - - | 1145

1810 | - - - - - 63 [T] - - - - - | 0525 | - - 14 [D] - - - - - | 0545

DSN COVERAGE
HPTXR

32 0810 | - - - - - 43 [D] - - - - - | 1630

1745 | - - - - - 34 [o] - - - - - | 0010

HPTXR

RTLTL : 15h 52m 16s

1200 RTLTL=15h 52m 16s

0000 RTLTL=15h 52m 16s

VOYAGER 2

FDSL : 11AF

CCSL : B103
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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 10, 1999
161-162

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLTL : 20h 19m 18s

1200 RTLTL=20h 19m 24s

0000 RTLTL=20h 19m 28s

VOYAGER 1

↓ 0710 SLEW->HELIO-7A

FDSL : 11AF

----- TLC (SHORT-FORM) -----

+ D/L -| 2047

CCSL : A031

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

↓ 1910 SLEW->HELIO-6A

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

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

1750 |

----- 63 [D] -----

| 0140

24 [D] 0605 |-----

DSN COVERAGE
HPTXR

32

0810 |----- 43 [D] ----- | 1625

1625 |

----- 45 [D] -----

| 2325

HPTXR

RTLTL : 15h 52m 16s

1200 RTLTL=15h 52m 16s

2043 |

0000 RTLTL=15h 52m 18s

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

VOYAGER 2

FDSL : 11AF

CCSL : B103

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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 11, 1999
162-163

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 19m 28s
VOYAGER 1
FDSL : 11AF
CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

↓ 0710 SLEW->HELIO-5A
↓ 1910 SLEW->HELIO-4A

FDS MODE CR-5T
XB DATA RATE (MI) 160(32)

1200 RTLT=20h 19m 34s 0000 RTLT=20h 19m 42s

DSN COVERAGE HPTXR

31 ----- 24 [D] ----- | 1215
1745 |----- 63 [D] ----- | 0145
0545 | 24 [D] |

32 0805 |----- 43 [D] ----- | 1625
1610 |----- 42 [D] ----- | 2155

HPTXR

RTLT : 15h 52m 18s
VOYAGER 2
FDSL : 11AF
CCSL : B103
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

↓ 1206 GYRO INIT
↓ 1206 GYROS AB ON
↓ 1216 GYRO FAULT TEST
1309 | 1316 CCSTIM(B)

COMMAND MORATORIUM

FDS MODE CR-5T
XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL ----- | - VGR - | ----- ON CALL ----- |

1200 RTLT=15h 52m 18s 0000 RTLT=15h 52m 18s

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 12, 1999
163-164

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 19m 42s

1200 RTLT=20h 19m 48s

0000 RTLT=20h 19m 54s

VOYAGER 1

↓ 0710 SLEW->HELIO-3A

↓ 1911 SLEW->HELIO-2A

FDSL : 11AF

CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31

----- 24 [D] ----- | 1230

2100 |

----- 63 [D] -----

0345 |

----- 24 [D] -----

DSN COVERAGE

HPTXR

32

0800 |----- 43 [D] ----- | 1620

1705 |

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

| 0000

HPTXR

RTLT : 15h 52m 18s

1200 RTLT=15h 52m 20s

0000 RTLT=15h 52m 20s

----- COMMAND MORATORIUM ----- | 2013

VOYAGER 2

FDSL : 11AF

CCSL : B103
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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 13, 1999
164-165

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 19m 54s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

↓ 0711 SLEW->HELIO-1A

1200 RTLT=20h 20m 0s 0000 RTLT=20h 20m 6s

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

31 ----- 24 [D] ----- | 1230 2130 |----- 54 [D] ----- | 0520 |----- 24 [D] ----- |

HPTXR

DSN COVERAGE

32 0900 |----- 43 [D] ----- | 1615 1635 |----- 34 [D] ----- | 2255

HPTXR

RTLT : 15h 52m 20s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B103
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : ON

1200 RTLT=15h 52m 20s 0000 RTLT=15h 52m 22s

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 14, 1999
165-166

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 20m 6s

1200 RTLT=20h 20m 12s

0000 RTLT=20h 20m 18s

VOYAGER 1

FDSL : 11AF

CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 ----- 24 [D] ----- | 1230

1735 |----- 63 [D] -----| 0120
0110 |----- 14 [D] -----| 0400

0545 | 24 [D] |

DSN COVERAGE
HPTXR

32

1645 |----- 45 [D] -----| 0010

HPTXR

RTLT : 15h 52m 22s

1200 RTLT=15h 52m 22s

0000 RTLT=15h 52m 24s

VOYAGER 2

FDSL : 11AF

CCSL : B103
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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 15, 1999
166-167

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 20m 18s
VOYAGER 1
FDSL : 11AF
CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=20h 20m 26s
0000 RTLT=20h 20m 32s

1404 | 1405 PWS/RH
↓ 2211 SLEW->HELIO-2A

1404 GS-4B 1405

FDS MODE CR-5T CR-5T
XB DATA RATE (MI) 160(32) 160(32)

DSN COVERAGE HPTXR
31 ----- 24 [D] ----- 1225 ----- 1730 |----- 63 [D] ----- 0120 |----- 14 [D] -----
HPTXR
32 ----- 1045 |----- 43 [B] ----- 1700 ----- 1640 |----- 34 [o] ----- 1930
HPTXR

RTLT : 15h 52m 24s
VOYAGER 2
FDSL : 11AF
CCSL : B103
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

1200 RTLT=15h 52m 24s
0000 RTLT=15h 52m 26s

↓ 1306 GYRO INIT
1313 | 1314 PWS/RH
▼ 1612 DUMMY (BRACKETED 5MIN 08:05)
↓ 1731 BEGIN B104

1313 GS-4B 1314

FDS MODE CR-5T CR-5T
XB DATA RATE (MI) 160(32) 160(32)

VOYAGER COVERAGE ----- ON CALL ----- | VGR -- |----- ON CALL -----

NOTES
[1] S/C 32=GS-4B @ 1313 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 1404 XB=2.8K(41) NOT RECOVERABLE

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 16, 1999
167-168

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 20m 32s

1200 RTLT=20h 20m 38s

0000 RTLT=20h 20m 44s

VOYAGER 1

▼ 2145 DUMMY (18:05)

FDSL : 11AF

U/L 2230 | - | - - - - - TLC (SHORT-FORM) - - - - -

CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

↓ 2211 SLEW->HELIO-3A

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 - - 14 [D] - - | 0850

1740 | - - - - - 63 [T] - - - - - 0515 | - 14 [D] - - | 0535

DSN COVERAGE
HPTXR

32 | - - - - - 43 [D] - - - - - | 0745 - 1610

1610 | - - - - - 34 [D] - - - - - | 2345

HPTXR

RTLT : 15h 52m 26s

1200 RTLT=15h 52m 28s

0000 RTLT=15h 52m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B104
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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 17, 1999
168-169

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 20m 44s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=20h 20m 52s
 0000 RTLT=20h 20m 58s

↓ 2211 SLEW->HELIO-4A

----- TLC (SHORT-FORM) ----- † D/L -| 2019

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

31 --- 14 [D] --- † 0910
 0840 † ----- 24 [D] ----- † 1215
 1730 † ----- 63 [D] ----- † 0125

DSN COVERAGE HPTXR
 32 1620 † ----- 34 [o] ----- † 2145
 HPTXR

RTLT : 15h 52m 28s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B104
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : ON

1200 RTLT=15h 52m 30s
 0000 RTLT=15h 52m 32s
 COMMAND MORATORIUM 0352 † -----

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL ----- †

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 18, 1999
169-170

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 20m 58s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=20h 21m 6s
 0000 RTLT=20h 21m 12s
 ↓ 2211 SLEW->HELIO-5A

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

31 0910 |-----25 [D]-----| 1210
 2105 |-----63 [D]-----| 0125
 0340 |-----14 [D]-----|

DSN COVERAGE HPTXR
 32 |-----43 [D]-----| 0735 - 1605
 1630 |-----45 [D]-----| 2355

HPTXR

RTLT : 15h 52m 32s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B104
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : ON

1200 RTLT=15h 52m 32s
 0000 RTLT=15h 52m 34s
 ----- COMMAND MORATORIUM -----
 ↓ 1316 AAI
 1319 |----- MAGROL -----| 1914
 ↓ 1907 RAI
 ↓ 1914 CRU
 ↓ 1914 GYROS OFF

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE |----- ON CALL -----| |----- VGR -----| |----- ON CALL -----|

NOTES [1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (1319-1914)

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 19, 1999
170-171

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 21m 12s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=20h 21m 18s
 0000 RTLT=20h 21m 26s
 ↓ 2211 SLEW->HELIO-6A

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

31 -- 14 [D] -- | 0845
 1715 | ----- 63 [D] ----- | 0325

DSN COVERAGE HPTXR
 32 1000 | ----- 43 [D] ----- | 1600
 1600 | ----- 34 [o] ----- | 2330

HPTXR

RTLT : 15h 52m 34s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B104
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=15h 52m 36s
 0000 RTLT=15h 52m 38s
 ----- COMMAND MORATORIUM ----- | 0322

FDS MODE CR-5T
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 05/25/99 - 08:09

PDT: 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
JUNE 20, 1999
171-172

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 21m 26s

1200 RTLT=20h 21m 32s

0000 RTLT=20h 21m 40s

↓ 2211 SLEW->HELIO-7A

VOYAGER 1

FDSL : 11AF

CCSL : A031
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]-----| 0745 - 1205

1710 |-----63 [D]-----| 0115

0130 - 0615 |-----14 [D]-----|

DSN COVERAGE
HPTXR

32 |-----1210-----42 [D]-----| 1555

1535 |-----34 [D]-----| 2145

HPTXR

RTLT : 15h 52m 38s

1200 RTLT=15h 52m 40s

0000 RTLT=15h 52m 40s

VOYAGER 2

FDSL : 11AF

CCSL : B104
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: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7