

ISSUE DATE: 05/19/99 - 07:06

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 20, 1999
140-141

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 16m 4s

1200 RTLTL=20h 16m 8s

0000 RTLTL=20h 16m 10s

VOYAGER 1

S/C 31 STATUS

▼ 2140 DUMMY (NO D/L)

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -17.063 sec

CCSL : A031
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 | 0730 63 [D] | 14 [D] | 0710 - 1445 | 2115 | 63 | 0245 | 25 [D] 0605 |

DSN COVERAGE
HPTXR

32 | 1030 | 43 [D] | 1725 | 1705 | 42 [o] | 0020

HPTXR

RTLTL : 15h 52m 44s

1200 RTLTL=15h 52m 42s

0000 RTLTL=15h 52m 40s

VOYAGER 2

S/C 32 STATUS

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: 9.771 sec

FDSL : 11AF

ROLLREF = VEGA

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: 05/19/99 - 07:06

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 21, 1999
141-142

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 16m 10s

1200 RTLTL=20h 16m 14s

0000 RTLTL=20h 16m 18s

VOYAGER 1

↓ 0909 SLEW->HELIO-1B

↓ 2109 SLEW->HELIO-2B

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]-----| 1405

2350 |-----63 [D]-----| 0330
-----24 [D]-----

DSN COVERAGE
HPTXR

32

0930 |-----43 [B]-----| 1725

1700 |-----34 [D]-----| 0125

HPTXR

RTLTL : 15h 52m 40s

1200 RTLTL=15h 52m 40s

0000 RTLTL=15h 52m 38s

VOYAGER 2

▼ 1627 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: 05/19/99 - 07:06

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 22, 1999
142-143

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 18s

1200 RTLT=20h 16m 22s

0000 RTLT=20h 16m 26s

VOYAGER 1

↓ 0909 SLEW->HELIO-3B

↓ 2109 SLEW->HELIO-4B

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]

1225 | 25 [D] | 1400

1245

24 [D] 0605 |

HPTXR

DSN COVERAGE

32

1830 |

2130 |

34 [o]

0125

54 [D]

0545 |

HPTXR

RTLT : 15h 52m 38s

1200 RTLT=15h 52m 36s

0000 RTLT=15h 52m 34s

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: 05/19/99 - 07:06

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 23, 1999
143-144

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 26s

1200 RTLT=20h 16m 28s

0000 RTLT=20h 16m 32s

VOYAGER 1

↓ 0909 SLEW->HELIO-5B

↓ 2109 SLEW->HELIO-6B

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] ----- | 1355

2130 | ----- 54 [D] ----- | 0600 | 24 [D] | 0540

DSN COVERAGE
HPTXR

32

1345 | ----- 42 [D] ----- | 1830

1810 | ----- 45 [D] ----- | 0120

HPTXR

RTLT : 15h 52m 34s

1200 RTLT=15h 52m 34s

0000 RTLT=15h 52m 32s

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: 05/19/99 - 07:06

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 24, 1999
144-145

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

1200 RTLT=20h 16m 36s
 0909 SLEW->HELIO-7B
 2109 SLEW->HELIO-8B
 0000 RTLT=20h 16m 40s

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

31 ----- 24 [D] ----- 1255
 2030 |----- 63 [D] ----- 0315 |----- 24 [D] -----
 |----- 0235 ----- 15 [D] 0650 |

DSN COVERAGE HPTXR
 32 1350 |----- 34 [o] ----- | 0045
 HPTXR

RTLT : 15h 52m 32s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B103
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=15h 52m 30s
 0000 RTLT=15h 52m 30s

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: 05/19/99 - 07:06

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
MAY 25, 1999
145-146

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 16m 40s
VOYAGER 1
FDSL : 11AF
CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=20h 16m 44s | 0000 RTLTL=20h 16m 48s

↓ 0909 SLEW->HELIO-9B
1515 | 1515 PWS/RH
↓ 2109 SLEW->HELIO-10B

1515 GS-4B 1515

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

DSN COVERAGE

HPTXR 31 | 0710 24 [D] | 0525 | 14 [D] |

----- 15 [D] ----- | 1410 | 1855 | 63 [D] ----- | 0545 |

HPTXR 32 | 0915 | 43 [B] ----- | 1715 | 1825 | 34 [D] ----- | 0110 |

RTLTL : 15h 52m 30s
VOYAGER 2
FDSL : 11AF
CCSL : B103
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=15h 52m 28s | 0000 RTLTL=15h 52m 26s

1425 | 1426 PWS/RH
▼ 1607 DUMMY (BRACKETED 5MIN NO D/L)

1425 GS-4B 1426

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 @ 1425 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 1515 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: 05/19/99 - 07:06

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
MAY 26, 1999
146-147

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 48s

1200 RTLT=20h 16m 52s

0000 RTLT=20h 16m 56s

VOYAGER 1

| PLSCAL -| 0730 - 0912
| --- MAGCAL ---| 0730 - 1032
| --- PESCAL ---| 0730 - 1050

U/L 0435 | - |
TLC (SHORT-FORM) | - - - - -

FDSL : 11AF

↓ 1909 SLEW->MIDPNT-B

↓ 2109 SLEW->HELIO-11B

▼ 2255 DUMMY (19:13)

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] -----| 1010
0945 |----- 24 [D] -----| 1345
2145- 0645 |----- 54 [T] -----|

DSN COVERAGE
HPTXR

32 0910 |----- 43 [D] -----| 1710
1820 |-- 34 [D] --| 2010

HPTXR

RTLT : 15h 52m 26s

1200 RTLT=15h 52m 26s

0000 RTLT=15h 52m 24s

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: 05/19/99 - 07:06

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

1200 RTLT=20h 17m 0s

0000 RTLT=20h 17m 6s

VOYAGER 1

↓ 0909 SLEW->HELIO-12B

↓ 2109 SLEW->HELIO-13B

FDSL : 11AF

TLC (SHORT-FORM)

+ D/L -| 0220

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

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

1200 RTLT=15h 52m 24s

0000 RTLT=15h 52m 22s

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: 05/19/99 - 07:06

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

1200 RTLT=20h 17m 10s

0000 RTLT=20h 17m 14s

VOYAGER 1

↓ 0909 SLEW->HELIO-14B

↓ 2109 SLEW->HELIO-15B

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 22s

0000 RTLT=15h 52m 22s

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: 05/19/99 - 07:06

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 ----- 14 [D] ----- | 0700 - 0955 ----- 0210 | ----- 14 [D] -----

0935 | ----- 24 [D] ----- | 1345

1835 | ----- 63 [D] ----- | 0345

DSN COVERAGE
HPTXR

32 0855 | ----- 43 [D] ----- | 1700

1845 | ----- 34 [D] ----- | 0055

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: 05/19/99 - 07:06

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

FDS MODE
 XB DATA RATE (MI)

1200 RTLT=20h 17m 28s
 0000 RTLT=20h 17m 32s

↓ 0909 SLEW->HELIO-18B
 ↓ 2109 SLEW->HELIO-19B

CR-5T
 160(32)

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

HPTXR
 DSN COVERAGE
 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

FDS MODE
 XB DATA RATE (MI)

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

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: 05/19/99 - 07:06

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

RTLTL : 20h 17m 32s

1200 RTLTL=20h 17m 36s

0000 RTLTL=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

RTLTL : 15h 52m 18s

1200 RTLTL=15h 52m 18s

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-----

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: 05/19/99 - 07:06

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

RTLTL : 20h 17m 42s

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

VOYAGER 1

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

FDSL : 11AF

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

1451
GS-4B 1452

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

31 ----- 14 [D] ----- | 0945 ----- 14 [D] 0700

1005 | ----- 25 [D] ----- | 1320

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

DSN COVERAGE
HPTXR

32

0845 | ----- 43 [D] ----- | 1655

1635 | ----- 34 [D] ----- | 0045

HPTXR

RTLTL : 15h 52m 16s

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

VOYAGER 2

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

FDSL : 11AF

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

1401
GS-4B 1402

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 @ 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: 05/19/99 - 07:06

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: 05/19/99 - 07:06

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: 05/19/99 - 07:06

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)

DSN COVERAGE HPTXR

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

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: 05/19/99 - 07:06

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

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

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

DSN COVERAGE

HPTXR 31 | 0715 24 [D] | 0545 | 24 [D] |
 ----- 14 [D] ----- | 0700 - 1350
 0020 | ----- 54 [D] ----- | 0450

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

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: 05/19/99 - 07:06

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

1200 RTLT=20h 18m 38s

0000 RTLT=20h 18m 44s

VOYAGER 1

↓ 0710 SLEW->HELIO-14A

↓ 1910 SLEW->HELIO-13A

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] -----

1140 | 25 [D] | 1300

0600 | 24 [D]

HPTXR

1805 | ----- 63 [D] ----- | 0155

DSN COVERAGE

32

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

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

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: 05/19/99 - 07:06

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: 05/19/99 - 07:06

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: 05/19/99 - 07:06

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

RTLT : 20h 19m 6s

1200 RTLT=20h 19m 12s | 0000 RTLT=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 1755 | - - - - - 63 [T] - - - - - | 0525 | - - 14 [D] - - - - - | 0545

DSN COVERAGE
HPTXR

32 0810 | - - - - - 43 [D] - - - - - | 1630 1745 | - - - - - 34 [o] - - - - - | 0010

HPTXR

RTLT : 15h 52m 16s

1200 RTLT=15h 52m 16s | 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 - - - - - + - 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: 05/19/99 - 07:06

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

| D/L -| 2047

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

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

↓ 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

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: 05/19/99 - 07:06

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

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

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

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

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

COMMAND MORATORIUM

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

FDS MODE CR-5T
XB DATA RATE (MI) 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: 05/19/99 - 07:06

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] -----
| 0325

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: 05/19/99 - 07:06

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] ----- | 0415
 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