

ISSUE DATE: 06/30/99 - 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
JULY 1, 1999
182-183

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 24m 14s

VOYAGER 1
FDSL : 11AF
CCSL : A031
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: -17.223 sec
ROLLREF = RIGIL KENTAURUS

↓ 2213 SLEW->HELIO-17A

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31 ----- 15 [D] ----- | 1155
1805 | -- 63 [D] -- | 2015

DSN COVERAGE
HPTXR

32 ----- 43 [D] ----- | 1525
1530 | ----- 34 [D] ----- | 2145
43 [D] 0640 |

HPTXR

RTLTL : 15h 53m 30s

VOYAGER 2
FDSL : 11AF
CCSL : B104
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: 5.662 sec
ROLLREF = VEGA

1200 RTLTL=15h 53m 32s 0000 RTLTL=15h 53m 36s

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: 06/30/99 - 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
JULY 2, 1999
183-184

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 24m 30s

1200 RTLT=20h 24m 38s

0000 RTLT=20h 24m 46s

↓ 2213 SLEW->HELIO-18A

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 0825 |-----25 [D]-----| 1115

1620 |-----63 [D]-----| 0020

HPTXR
DSN COVERAGE

32 |-----43 [D]-----| 1520

1550 |-----34 [D]-----| 2300

HPTXR

RTLT : 15h 53m 36s

1200 RTLT=15h 53m 40s

0000 RTLT=15h 53m 42s

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

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: 06/30/99 - 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
JULY 3, 1999
184-185

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 24m 46s

1200 RTLT=20h 24m 56s

0000 RTLT=20h 25m 4s

↓ 2213 SLEW->HELIO-19A

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

0825 | --- 25 [D] --- | 1110

1830 | ----- 63 [D] ----- | 0015

0335 | ----- 14 [D] -----

DSN COVERAGE
HPTXR

32

1130 | ----- 42 [D] ----- | 1605

1600 | ----- 34 [o] ----- | 2235

43 [D] 0630 | ---

HPTXR

RTLT : 15h 53m 42s

1200 RTLT=15h 53m 46s

0000 RTLT=15h 53m 50s

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

ISSUE DATE: 06/30/99 - 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
JULY 4, 1999
185-186

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 25m 4s

1200 RTLT=20h 25m 12s

0000 RTLT=20h 25m 20s

↓ 2213 SLEW->HELIO-20A

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 ----- 14 [D] ----- | 1155

1800 |----- 63 [D] -----| 0025

0415 |----- 24 [D] -----

DSN COVERAGE
HPTXR

32 ----- 43 [D] ----- | 1515

1455 | 42 [D] | 1610

1550 |----- 34 [D] -----| 2235

HPTXR

RTLT : 15h 53m 50s

1200 RTLT=15h 53m 54s

0000 RTLT=15h 53m 56s

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

ISSUE DATE: 06/30/99 - 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
JULY 5, 1999
186-187

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 25m 20s

1200 RTLT=20h 25m 30s

0000 RTLT=20h 25m 38s

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] ----- | 1050

2105 |-----63 [D]-----| 0205
0145 |-----24 [D]-----

DSN COVERAGE HPTXR

32

1600 |-----43 [D]-----| 2145

HPTXR

RTLT : 15h 53m 56s

1200 RTLT=15h 54m 0s

0000 RTLT=15h 54m 4s

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

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: 06/30/99 - 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
JULY 6, 1999
187-188

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 25m 38s
VOYAGER 1
FDSL : 11AF
CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=20h 25m 46s | 0000 RTLTL=20h 25m 56s

1255 | 1256 PWS/RH

▼ 2145 EL-40 (18:11)
▼ 2211 CCSLA032 (18:37)
▼ 2237 DUMMY (19:03)
▼ 2242 CT-5T (19:08)

1255
GS-4B 1256

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

31 | 0730 24 [D] | 2120 | 63 | 0320 | 24 [D] | 0340

HPTXR

DSN COVERAGE

32 | 0820 | 42 [D] | 1600 | 1545 | 34 [D] | 2225

HPTXR

RTLTL : 15h 54m 4s
VOYAGER 2
FDSL : 11AF
CCSL : B104
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=15h 54m 8s | 0000 RTLTL=15h 54m 12s

1202 | 1203 PWS/RH

1202
GS-4B 1203

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 @ 1202 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 1255 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: 06/30/99 - 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
JULY 7, 1999
188-189

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 25m 56s

1200 RTLT=20h 26m 4s

0000 RTLT=20h 26m 14s

VOYAGER 1

FDSL : 11AF

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

* 1812 * 1909

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

EL-40
[1]

CR-5T
160(32)

31 24 [D] | 0810

1600 |----- 63 [D] -----| 2345

0355 |----- 24 [D] -----|

DSN COVERAGE HPTXR

32

1525 |----- 45 [D] -----| 2145

HPTXR

RTLT : 15h 54m 12s

1200 RTLT=15h 54m 16s

0000 RTLT=15h 54m 20s

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 -----

| VGR - |

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

NOTES

[1] XB = 40(30) @ 1812

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: 06/30/99 - 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
JULY 8, 1999
189-190

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 26m 14s

1200 RTLT=20h 26m 22s

0000 RTLT=20h 26m 32s

VOYAGER 1

FDSL : 11AF

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

0340 | U/L
| TLC SHORT-FORM

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 --- 24 [D] --- | 0855

2105 | --- 65 [D] --- | 2345

0235 | --- 24 [T] ---

DSN COVERAGE
HPTXR

32

1245 | --- 34 [D] --- | 2145

HPTXR

RTLT : 15h 54m 20s

1200 RTLT=15h 54m 24s

0000 RTLT=15h 54m 28s

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

ISSUE DATE: 06/30/99 - 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
JULY 9, 1999
190-191

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 26m 32s

1200 RTLT=20h 26m 40s

0000 RTLT=20h 26m 50s

VOYAGER 1

FDSL : 11AF

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

TLC SHORT-FORM

D/L -|0135

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 ----- 24 [T] ----- | 1035

0020 |----- 65 [D] -----| 0400
0445 |--- 25 [D] ---

DSN COVERAGE HPTXR

32

1520 |----- 45 [D] -----| 2235

HPTXR

RTLT : 15h 54m 28s

1200 RTLT=15h 54m 32s

0000 RTLT=15h 54m 36s

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

ISSUE DATE: 06/30/99 - 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
JULY 10, 1999
191-192

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 26m 50s

1200 RTLT=20h 26m 58s

0000 RTLT=20h 27m 8s

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] ----- | 1020

2250 | ----- 54 [D] ----- | 0215 0330 | ----- 25 [D] -----

DSN COVERAGE HPTXR

32

1635 | ----- 34 [o] ----- | 2210

HPTXR

RTLT : 15h 54m 36s

1200 RTLT=15h 54m 40s

0000 RTLT=15h 54m 44s

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

ISSUE DATE: 06/30/99 - 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
JULY 11, 1999
192-193

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 27m 8s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=20h 27m 18s
 0000 RTLT=20h 27m 26s

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

31 ----- 25 [D] ----- | 1020
 2105 |----- 65 [D] ----- | 0345

HPTXR
 DSN COVERAGE
 32 1245 |----- 34 [D] ----- | 2205
 HPTXR

RTLT : 15h 54m 44s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B104
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=15h 54m 50s
 0000 RTLT=15h 54m 54s

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: 06/30/99 - 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
JULY 12, 1999
193-194

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 27m 26s

1200 RTLT=20h 27m 36s

0000 RTLT=20h 27m 46s

VOYAGER 1

↓ 1923 BEGIN SEQUENCE A032

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

2330 |----- 14 [D] -----
2020 |----- 54 [D] -----| 2345

DSN COVERAGE HPTXR

32

|----- 42 [D] -----| 0735 - 1550
1530 |----- 34 [D] -----| 2200

HPTXR

RTLT : 15h 54m 54s

1200 RTLT=15h 54m 58s

0000 RTLT=15h 55m 4s

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

ISSUE DATE: 06/30/99 - 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
JULY 13, 1999
194-195

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 27m 46s

1200 RTLTL=20h 27m 54s | 0000 RTLTL=20h 28m 4s

VOYAGER 1

1232 | 1233 PWS/RH

FDSL : 11AF

CCSL : A032
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1232
GS-4B 1233

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

31

--- 14 [D] --- | 0900

1910 | ----- 63 [D] ----- | 0335 | ----- 14 [D] ----- | 0350 15 [D] 0635 |

DSN COVERAGE
HPTXR

32

1620 | ----- 34 [D] ----- | 2145

HPTXR

RTLTL : 15h 55m 4s

1200 RTLTL=15h 55m 8s | 0000 RTLTL=15h 55m 12s

VOYAGER 2

1138 | 1139 PWS/RH

FDSL : 11AF

CCSL : B104
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1138
GS-4B 1139

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 @ 1138 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 1232 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: 06/30/99 - 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
JULY 14, 1999
195-196

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 28m 4s

1200 RTLT=20h 28m 14s

0000 RTLT=20h 28m 22s

VOYAGER 1

▼ 1640 DUMMY (NO D/L)

0040 | - | U/L

FDSL : 11AF

| - - - - - TLC SHORT-FORM - - - - -

CCSL : A032
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 | 0710 14 [D]

15 [D] 0630 | - - -

- - - - - 15 [D] - - - - - | 1100

1615 | - - - - - 63 - - - - - | 0150

DSN COVERAGE
HPTXR

32

1535 | - - - - - 34 [o] - - - - - | 2145

HPTXR

RTLT : 15h 55m 12s

1200 RTLT=15h 55m 18s

0000 RTLT=15h 55m 22s

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 - - - - - | 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: 06/30/99 - 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
JULY 15, 1999
196-197

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 28m 22s

1200 RTLT=20h 28m 32s

0000 RTLT=20h 28m 42s

VOYAGER 1

FDSL : 11AF

TLC SHORT-FORM

2134 | D/L | 2235

CCSL : A032
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 ----- 15 [D] ----- | 1100

2105 | --- 63 [D] --- | 2330

0315 | ----- 14 [D] -----

DSN COVERAGE
HPTXR

32

1245 | ----- 34 [D] ----- | 2150

HPTXR

RTLT : 15h 55m 22s

1200 RTLT=15h 55m 28s

0000 RTLT=15h 55m 32s

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

ISSUE DATE: 06/30/99 - 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
JULY 16, 1999
197-198

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 28m 42s

1200 RTLT=20h 28m 52s

0000 RTLT=20h 29m 2s

VOYAGER 1

FDSL : 11AF

CCSL : A032
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] --- 0910

2105 | --- 63 [D] --- | 2345

0315 | --- 14 [D] ---

DSN COVERAGE
HPTXR

32

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

HPTXR

RTLT : 15h 55m 32s

1200 RTLT=15h 55m 38s

0000 RTLT=15h 55m 42s

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

ISSUE DATE: 06/30/99 - 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
JULY 17, 1999
198-199

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 29m 2s

1200 RTLT=20h 29m 12s

0000 RTLT=20h 29m 22s

VOYAGER 1

FDSL : 11AF

CCSL : A032
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 0705 14 [D]

1845 |----- 63 [D] -----| 0335

DSN COVERAGE
HPTXR

32

1255 |--- 34 [D] ---| 1535

1515 |----- 45 [D] -----| 2200

HPTXR

RTLT : 15h 55m 42s

1200 RTLT=15h 55m 48s

0000 RTLT=15h 55m 54s

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

ISSUE DATE: 06/30/99 - 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
JULY 18, 1999
199-200

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 29m 22s

1200 RTLT=20h 29m 32s

0000 RTLT=20h 29m 40s

VOYAGER 1

FDSL : 11AF

CCSL : A032
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 0805 |---25 [D]---| 1010

2105 |---63 [D]---| 2325
2355 |-----24 [D]-----|

DSN COVERAGE
HPTXR

32

1300 |-----34 [o]-----| 2135

HPTXR

RTLT : 15h 55m 54s

1200 RTLT=15h 55m 58s

0000 RTLT=15h 56m 4s

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

ISSUE DATE: 06/30/99 - 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
JULY 19, 1999
200-201

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 29m 40s

1200 RTLT=20h 29m 50s

0000 RTLT=20h 30m 0s

VOYAGER 1

FDSL : 11AF

CCSL : A032
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] ----- | 0955

2105 |----- 63 [D] -----| 0115

0130 - 0655 |----- 14 [D] -----|

DSN COVERAGE HPTXR

32 0830 |----- 43 [D] -----| 1420

1515 |----- 45 [D] -----| 2130

HPTXR

RTLT : 15h 56m 4s

1200 RTLT=15h 56m 10s

0000 RTLT=15h 56m 14s

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

ISSUE DATE: 06/30/99 - 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
JULY 20, 1999
201-202

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 30m 0s
VOYAGER 1
FDSL : 11AF
CCSL : A032
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=20h 30m 10s
0000 RTLTL=20h 30m 20s

1209 | 1210 PWS/RH
▼ 1945 DUMMY (16:15)
0425 | PLSCAL -| 0607
0425 | - - - MAGCAL - - -
0425 | - - - PESCAL - - -

1209 GS-4B 1210

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

31 1900 | - - - - - 63 - - - - - | 0145 24 [D] 0630 | - - -
0320 - 0650 | - - - - - 14 [D] - - - - - |

DSN COVERAGE HPTXR
32 0845 | - - - - - 43 [B] - - - - - | 1420
1415 | - - - - - 34 [o] - - - - - | 1945

HPTXR

RTLTL : 15h 56m 14s
VOYAGER 2
FDSL : 11AF
CCSL : B104
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=15h 56m 20s
0000 RTLTL=15h 56m 26s

1115 | 1116 PWS/RH
▼ 1337 DUMMY (BRACKETED 5MIN NO D/L)

1115 GS-4B 1116

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

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

NOTES
[1] S/C 32=GS-4B @ 1115 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 1209 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: 06/30/99 - 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
JULY 21, 1999
202-203

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 30m 20s

1200 RTLT=20h 30m 32s

0000 RTLT=20h 30m 42s

VOYAGER 1

FDSL : 11AF

-- | 0727 MAGCAL
--- | 0745 PESCAL

CCSL : A032
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] --- | 0945

1600 | --- 63 [D] --- | 2245

0535 | 14 [T] |

DSN COVERAGE
HPTXR

32 0830 | --- 43 [D] --- | 1415
1510 | --- 34 [D] --- | 2125

HPTXR

RTLT : 15h 56m 26s

1200 RTLT=15h 56m 32s

0000 RTLT=15h 56m 38s

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

ISSUE DATE: 06/30/99 - 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
JULY 22, 1999
203-204

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 30m 42s

1200 RTLT=20h 30m 52s

0000 RTLT=20h 31m 2s

VOYAGER 1

U/L 0820 | - - - - - TLC (SHORT-FORM) - - - - - | - 0619 | D/L - |

FDSL : 11AF

↓ 0216 SLEW->HELIO-20A

CCSL : A032
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 - - - - - 14 [T] - - - - - | 1040

2045 | - - - 63 [D] - - - | 2310
2330 - 0620 | - - - - - 14 [D] - - - - - |

DSN COVERAGE
HPTXR

32 0830 | - - - - - 43 [D] - - - - - | 1410

1615 | - - - - - 34 [o] - - - - - | 2120

0515 | - - 43 [D] - -

HPTXR

1200 RTLT=15h 56m 44s

0000 RTLT=15h 56m 50s

RTLT : 15h 56m 38s

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

ISSUE DATE: 06/30/99 - 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
JULY 23, 1999
204-205

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 31m 2s

1200 RTLT=20h 31m 12s

0000 RTLT=20h 31m 22s

VOYAGER 1

↓ 1416 SLEW->HELIO-19A

↓ 0216 SLEW->HELIO-18A

FDSL : 11AF

CCSL : A032
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

0225 |----- 14 [D] -----

DSN COVERAGE
HPTXR

32

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

| 1405

1505 |----- 45 [D] -----

| 2055

HPTXR

RTLT : 15h 56m 50s

1200 RTLT=15h 56m 56s

0000 RTLT=15h 57m 2s

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

ISSUE DATE: 06/30/99 - 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
JULY 24, 1999
205-206

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 31m 22s

1200 RTLT=20h 31m 32s

0000 RTLT=20h 31m 42s

VOYAGER 1

↓ 1416 SLEW->HELIO-17A

↓ 0216 SLEW->HELIO-16A

FDSL : 11AF

CCSL : A032
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] ----- | 1035

1815 |----- 63 [D] ----- | 0305

0320- 0630 |----- 14 [D] ----- |

DSN COVERAGE
HPTXR

32

1505 |----- 34 [D] ----- | 2115

HPTXR

RTLT : 15h 57m 2s

1200 RTLT=15h 57m 8s

0000 RTLT=15h 57m 14s

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

ISSUE DATE: 06/30/99 - 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
JULY 25, 1999
206-207

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 31m 42s

1200 RTLT=20h 31m 54s

0000 RTLT=20h 32m 4s

VOYAGER 1

↓ 1417 SLEW->HELIO-15A

↓ 0217 SLEW->HELIO-14A

FDSL : 11AF

CCSL : A032
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

2045 | --- 63 [D] --- | 2315 0035 | ----- 15 [D] -----

DSN COVERAGE HPTXR

32

1505 | ----- 45 [D] ----- | 2110

HPTXR

RTLT : 15h 57m 14s

1200 RTLT=15h 57m 20s

0000 RTLT=15h 57m 26s

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