

ISSUE DATE: 07/16/02 - 08:20

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 11, 2002
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

RTLTL : 23h 26m 56s
VOYAGER 1
FDSL : 11AF
CCSL : A043
TWNC : ON
SB : OFF XB : HIGH
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=23h 27m 6s
0000 RTLTL=23h 27m 14s

S/C 31 STATUS	
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -23.786 sec	
ROLLREF = RIGIL KENTAURUS	

1218 * 1225 CCSL CHKSUM
1231 * 1324 CCS MRO ECR 100862A
1324 * 1342 CCS MRO AHEL1 TIC
1437 * X-BAND LOW POWER
1441 * BAY 1 HTR ON

1147 * 1421

FDS MODE	CR-5T	EL-40	CR-5T
XB DATA RATE (MI)	160 (32)	40(30)	160(32)

31 -- 14 [D] -- 0850
1145 |----- 45 [D] -----| 1525
2345 |----- 63 [T] -----| 0355
0335 |----- 15 [D] -----|

DSN COVERAGE HPTXR
32 |----- 43 [D] -----| 0745 - 2135
34 [D] 0645 |

HPTXR

RTLTL : 18h 29m 8s
VOYAGER 2
FDSL : 11AF
CCSL : B116
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=18h 29m 12s
0000 RTLTL=18h 29m 18s

S/C 32 STATUS	
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -1:56.590 sec	
ROLLREF = VEGA	

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: 07/16/02 - 08:20

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 12, 2002
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

RTLTL : 23h 27m 14s

1200 RTLTL=23h 27m 24s

0000 RTLTL=23h 27m 34s

VOYAGER 1

1850 | 1851 PWS/RH

FDSL : 11AF

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

----- D/L -| 0155

CCSL : A043
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1548 | -- | 1629 TAPPOS

2057 | -- | 2125 TAPPOS

1850
GS-4B 1851

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

CR-5T
160(32)

31 ----- 15 [D] ----- | 1010

1720 | ----- 65 [D] ----- | 0240 ----- 25 [D] ----- | 0300

DSN COVERAGE
HPTXR

32 ----- 34 [D] ----- | 1830

HPTXR

RTLTL : 18h 29m 18s

1200 RTLTL=18h 29m 22s

0000 RTLTL=18h 29m 26s

VOYAGER 2

FDSL : 11AF

CCSL : B116
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

[1] S/C 31=GS-4B @ 1850 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: 07/16/02 - 08:20

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 13, 2002
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

RTLT : 23h 27m 34s

1200 RTLT=23h 27m 42s

0000 RTLT=23h 27m 52s

VOYAGER 1

FDSL : 11AF

CCSL : A043
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] 0815

1715 |----- 65 [D] -----| 2225

0050 |----- 15 [D] -----|

DSN COVERAGE
HPTXR

32

|----- 43 [o] -----| 0735 - 2130

34 [D] 0640 |

HPTXR

RTLT : 18h 29m 26s

1200 RTLT=18h 29m 32s

0000 RTLT=18h 29m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B116
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: 07/16/02 - 08:20

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 14, 2002
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 : 23h 27m 52s

1200 RTLT=23h 28m 2s

0000 RTLT=23h 28m 10s

VOYAGER 1

FDSL : 11AF

CCSL : A043
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] ----- | 1005

1710 |----- 65 [D] ----- | 0235 |----- 15 [D] ----- | 0255

DSN COVERAGE
HPTXR

32 ----- 34 [D] ----- | 1940

HPTXR

RTLT : 18h 29m 36s

1200 RTLT=18h 29m 40s

0000 RTLT=18h 29m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B116
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: 07/16/02 - 08:20

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 15, 2002
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 : 23h 28m 10s

1200 RTLT=23h 28m 20s

0000 RTLT=23h 28m 30s

↓ 2054 BEGIN SEQUENCE A044

VOYAGER 1

FDSL : 11AF

CCSL : A043
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] ----- | 1005

1700 |----- 65 [D] ----- | 2030

0210 |----- 15 [D] -----

2010 |----- 63 [D] ----- | 0130

HPTXR
DSN COVERAGE

32 |----- 45 [D] -----

| 0730 - 2145

0630 | 34

HPTXR

RTLT : 18h 29m 46s

1200 RTLT=18h 29m 50s

0000 RTLT=18h 29m 56s

VOYAGER 2

FDSL : 11AF

CCSL : B116
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: 07/16/02 - 08:20

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 16, 2002
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

RTLTL : 23h 28m 30s
VOYAGER 1
FDSL : 11AF
CCSL : A044
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=23h 28m 40s
0000 RTLTL=23h 28m 48s

1226 | 1227 PWS/RH

↓ 1800 SELECT S-TWT PRIME
↓ 1801 MEMUPD RFLOSS - SELECT SSA
↓ 1812 CCS MRO ADDR 7140

0418 | PLSCAL - | 0600
0418 | --- MAGCAL ---
0418 | --- PESCAL ---

1227 GS-4B 1227

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

31 ----- 15 [D] ----- | 1000
1700 | ----- 65 [D] ----- | 2025
2005 | ----- 63 [D] ----- | 0130
0110 | ----- 15 [D] -----

HPTXR

DSN COVERAGE

32 ----- 34 ----- | 1415
1545 | ----- 43 [B] ----- | 2155

HPTXR

RTLTL : 18h 29m 56s
VOYAGER 2
FDSL : 11AF
CCSL : B116
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=18h 30m 0s
0000 RTLTL=18h 30m 6s

1120 | 1121 PWS/RH

▼ 2047 DUMMY (5 MIN BRACKETED 15:18)

1120 GS-4B 1121

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

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

NOTES
[1] S/C 32=GS-4B @ 1120 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 1227 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: 07/16/02 - 08:20

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 17, 2002
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 : 23h 28m 48s

1200 RTLT=23h 28m 58s

0000 RTLT=23h 29m 8s

VOYAGER 1

U/L 2345 | - | - - - - - TLC (SHORT-FORM) - - - - -

FDSL : 11AF

- | 0720 MAGCAL

- - | 0738 PESCAL

CCSL : A044
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

▼ 2300 DUMMY (22:29)

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 - - - - - 15 [D] - - - - - | 0955

2020 | - - - - - 63 [T] - - - - - | 0145 0300 | - - - - - 15 [D] - - - - -

DSN COVERAGE
HPTXR

32

1655 | - - - - - 45 [D] - - - - - | 2145

45 [D] 0630 | - - - - -

HPTXR

1250 | - - - - - 43 [D] - - - - - | 1715

RTLT : 18h 30m 6s

1200 RTLT=18h 30m 10s

0000 RTLT=18h 30m 16s

VOYAGER 2

FDSL : 11AF

CCSL : B116
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: 07/16/02 - 08:20

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 18, 2002
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

RTLTL : 23h 29m 8s

1200 RTLTL=23h 29m 18s

0000 RTLTL=23h 29m 28s

VOYAGER 1

----- TLC (SHORT-FORM) ----- | D/L -| 0042

FDSL : 11AF

CCSL : A044
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] ----- | 0955

2005 | ----- 65 [D] ----- | 0025 | ----- 15 [D] -----

| 0045

DSN COVERAGE
HPTXR

32 ----- 45 [D] ----- | 1905

0540 | 45 [D] |

HPTXR

RTLTL : 18h 30m 16s

1200 RTLTL=18h 30m 22s

0000 RTLTL=18h 30m 26s

VOYAGER 2

FDSL : 11AF

CCSL : B116
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: 07/16/02 - 08:20

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 20, 2002
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 : 23h 29m 48s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A044
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLTL=23h 29m 58s
 0000 RTLTL=23h 30m 8s
 ↓ 2246 SLEW->HELIO-1B

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

31 --- 25 [D] --- | 0945
 1650 |----- 65 [D] -----| 2145
 0015 |----- 25 [D] -----|

DSN COVERAGE HPTXR
 32 |----- 45 [D] -----| 0735 - 2130
 34 [D] 0610 |-----

HPTXR

RTLTL : 18h 30m 38s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B116
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLTL=18h 30m 44s
 0000 RTLTL=18h 30m 50s

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: 07/16/02 - 08:20

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 21, 2002
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 : 23h 30m 8s

1200 RTLT=23h 30m 18s

0000 RTLT=23h 30m 28s

↓ 2246 SLEW->HELIO-2B

VOYAGER 1

FDSL : 11AF

CCSL : A044
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 --- { 0745 25 [D]

2000 |----- 63 [D] -----| 0315 0515 |-- 15 [D] --

0300 |--- 25 [D] ---| 0530

DSN COVERAGE
HPTXR

32 ----- 34 [D] ----- | 1445

HPTXR

RTLT : 18h 30m 50s

1200 RTLT=18h 30m 54s

0000 RTLT=18h 31m 0s

VOYAGER 2

FDSL : 11AF

CCSL : B116
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: 07/16/02 - 08:20

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 22, 2002
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 : 23h 30m 28s

1200 RTLT=23h 30m 38s

0000 RTLT=23h 30m 48s

↓ 2246 SLEW->HELIO-3B

VOYAGER 1

FDSL : 11AF

CCSL : A044
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] ----- | 0950

1010 |----- 45 [D] ----- | 1400

2040 |----- 65 [D] ----- | 0105

0305 |----- 15 [D] -----

DSN COVERAGE
HPTXR

32 1010 |----- 43 [D] ----- | 2145

43 [D] 0630 |-----

HPTXR

RTLT : 18h 31m 0s

1200 RTLT=18h 31m 6s

0000 RTLT=18h 31m 12s

VOYAGER 2

FDSL : 11AF

CCSL : B116
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: 07/16/02 - 08:20

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 23, 2002
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

RTLTL : 23h 30m 48s
VOYAGER 1
FDSL : 11AF
CCSL : A044
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=23h 30m 58s | 0000 RTLTL=23h 31m 8s

1204 | 1204 PWS/RH

↓ 2246 SLEW->HELIO-4B

U/L 0155 | - | - - - TLC (SHORT-FORM) - - - -

▼ 2200 DUMMY (21:31)

1204 GS-4B 1204

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

DSN COVERAGE

HPTXR 31

0755 15 [D] | 45 [D] | 0735 - 1430 | 2010 | 63 [T] | 0300 | 0240 | 15 [D]

HPTXR 32

43 [D] | 1815 | 1755 | 45 [D] | 2120 | 0525 | 45 [D] | 43 [D] 0650

RTLTL : 18h 31m 12s
VOYAGER 2
FDSL : 11AF
CCSL : B116
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=18h 31m 18s | 0000 RTLTL=18h 31m 24s

1056 | 1057 PWS/RH

1210 | PLSCAL - | 1352

1210 | - - - - MAGCAL - - - - | 1512

1210 | - - - - PESCAL - - - - | 1530

1056 GS-4B 1057

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 @ 1056 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 1204 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: 07/16/02 - 08:20

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 24, 2002
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 : 23h 31m 8s

1200 RTLT=23h 31m 18s

0000 RTLT=23h 31m 28s

↓ 2246 SLEW->HELIO-5B

VOYAGER 1

FDSL : 11AF

TLC (SHORT-FORM)

D/L 0254

CCSL : A044
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] --- | 0925

0000 - 0700 |

25 [D] ---

0905 |----- 45 [D] -----| 1430

1950 |----- 63 [D] -----| 2345

43 [D] 0645 |

DSN COVERAGE

HPTXR

32

0710 45 [D]

45 [D] 0630 |

----- 43 [D] -----| 1435

HPTXR

RTLT : 18h 31m 24s

1200 RTLT=18h 31m 30s

0000 RTLT=18h 31m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B116
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: 07/16/02 - 08:20

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 25, 2002
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 : 23h 31m 28s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A044
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=23h 31m 38s
 0000 RTLT=23h 31m 48s
 ↓ 2247 SLEW->HELIO-6B

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

DSN COVERAGE

31 0700 25 [D] 1120 1950 63 [D] 0250 0230 15 [D] 0500
 43 [D] 1110 34 [D] 1335

HPTXR

32 1430 2110
 45 [D] 1435 43 [B]

HPTXR

RTLT : 18h 31m 36s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B116
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=18h 31m 42s
 0000 RTLT=18h 31m 48s
 ▼ 1747 DUMMY (5 MIN BRACKETED 12:19)

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: 07/16/02 - 08:20

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 26, 2002
207-208

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 : 23h 31m 48s

VOYAGER 1

FDSL : 11AF

CCSL : A044
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

1200 RTLTL=23h 32m 0s 0000 RTLTL=23h 32m 10s

1804 | 1805 PWS/RH

↓ 2247 SLEW->HELIO-7B

↓ 0111 GYRO INIT

↓ 0111 GYROS AB ON

↓ 0121 GYRO FAULT TEST

1502 | - - - | 1544 TAPPOS

2011 | - - | 2040 TAPPOS

0214 || 0220 CCSTIM(B)

1804
GS-4B 1805

CR-5T

160(32)

CR-5T

160(32)

31 |----- 43 [D] -----| 0725 - 1125

1950 |----- 63 [D] -----| 0230 |----- 25 [D] -----| 0250

DSN COVERAGE
HPTXR

32 |----- 45 [D] -----| 0730 - 1515

1455 |----- 43 [B] -----| 2105

HPTXR

RTLTL : 18h 31m 48s

VOYAGER 2

FDSL : 11AF

CCSL : B116
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

1200 RTLTL=18h 31m 56s

0000 RTLTL=18h 32m 2s

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 31=GS-4B @ 1804 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: 07/16/02 - 08:20

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 27, 2002
208-209

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 : 23h 32m 10s

1200 RTLT=23h 32m 20s

0000 RTLT=23h 32m 30s

↓ 2247 SLEW->HELIO-8B

VOYAGER 1

FDSL : 11AF

CCSL : A044
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : AB ON

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 --- 25 [D] --- | 0905

2240 | ----- 63 [D] ----- | 0245
0230 |----- 25 [D] -----

DSN COVERAGE
HPTXR

32 |----- 45 [D] ----- | 0730 - 1530

HPTXR

RTLT : 18h 32m 2s

1200 RTLT=18h 32m 8s

0000 RTLT=18h 32m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B116
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: 07/16/02 - 08:20

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 28, 2002
209-210

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 : 23h 32m 30s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A044
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : AB ON

1200 RTLT=23h 32m 42s
 0000 RTLT=23h 32m 52s
 ↓ 2247 SLEW->HELIO-9B

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

31 0705 25 [D] 0525 - - 15 [D] - -
 |----- 43 [D] -----| 0735 - 1350
 2020 |----- 54 [D] -----| 0020

HPTXR
 DSN COVERAGE
 32 |----- 45 [D] -----| 0730 - 1535
 HPTXR

RTLT : 18h 32m 14s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B116
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=18h 32m 20s
 0000 RTLT=18h 32m 28s

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