

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

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 4, 2002  
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

RTLTL : 23h 24m 54s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A043  
TWNC : ON  
SB : OFF XB : HIGH  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLTL=23h 25m 2s  
0000 RTLTL=23h 25m 12s

↓ 0243 SLEW->HELIO-5B

S/C 31 STATUS	
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -23.718 sec	
ROLLREF = RIGIL KENTAURUS	

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

31 -----25 [D] ----- | 1045  
0400 -----25 [D] -----  
0055 -----63 [D] ----- | 0420

HPTXR  
DSN COVERAGE

32 -----34 [D] ----- | 0715- 1625  
1745 -----45 [D] ----- | 2250

HPTXR

1200 RTLTL=18h 28m 16s  
0000 RTLTL=18h 28m 20s

RTLTL : 18h 28m 14s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B116  
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: -1:55.716 sec	
ROLLREF = VEGA	

FDS MODE CR-5T  
XB DATA RATE (MI) 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: 07/08/02 - 16:20

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 5, 2002  
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 : 23h 25m 12s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A043  
TWNC : ON  
SB : OFF XB : HIGH  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLT=23h 25m 20s  
0000 RTLT=23h 25m 28s

1913 | 1914 PWS/RH  
↓ 0243 SLEW->HELIO-4B

1610 | - - | 1652 TAPPOS  
2120 | - | 2148 TAPPOS

1913 GS-4B  
1914

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

31 ----- 25 [D] ----- | 1040  
1745 | ----- 65 [D] ----- | 2250  
0205 | ----- 15 [D] ----- |

HPTXR  
DSN COVERAGE  
32 | ----- 43 [D] ----- | 0745 - 1050  
1420 | ----- 43 [o] ----- | 2145  
HPTXR

RTLT : 18h 28m 20s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B116  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLT=18h 28m 24s  
0000 RTLT=18h 28m 28s

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

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

NOTES [1] S/C 31=GS-4B @ 1913 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: 07/08/02 - 16:20

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 6, 2002  
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

RTLT : 23h 25m 28s

1200 RTLT=23h 25m 36s

0000 RTLT=23h 25m 46s

↓ 0244 SLEW->HELIO-3B

VOYAGER 1

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 --- 15 [D] --- | 0910

1840 | ----- 65 [D] ----- | 0215

0345 | ----- 15 [D] ----- |

DSN COVERAGE  
HPTXR

32

0915 | ----- 45 [D] ----- | 1915

HPTXR

RTLT : 18h 28m 28s

1200 RTLT=18h 28m 32s

0000 RTLT=18h 28m 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: 07/08/02 - 16:20

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 7, 2002  
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 : 23h 25m 46s

1200 RTLT=23h 25m 54s

0000 RTLT=23h 26m 2s

↓ 0244 SLEW->HELIO-2B

VOYAGER 1

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 ----- 15 [D] ----- | 1030

0350 |----- 15 [D] -----

DSN COVERAGE  
HPTXR

2020 |----- 63 [D] ----- | 0410

32 0950 |----- 43 [D] ----- | 2140

HPTXR

RTLT : 18h 28m 36s

1200 RTLT=18h 28m 40s

0000 RTLT=18h 28m 44s

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: 07/08/02 - 16:20

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 8, 2002  
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 : 23h 26m 2s

1200 RTLT=23h 26m 12s

0000 RTLT=23h 26m 20s

↓ 0244 SLEW->HELIO-1B

VOYAGER 1

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31 -- 15 [D] -- | 0850

0110 |----- 15 [D] -----

0820 |----- 45 [D] ----- | 1450

DSN COVERAGE  
HPTXR

32 0755 |----- 43 [o] ----- | 1525

HPTXR

RTLT : 18h 28m 44s

1200 RTLT=18h 28m 48s

0000 RTLT=18h 28m 52s

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: 07/08/02 - 16:20

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 9, 2002  
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

RTLTL : 23h 26m 20s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A043  
TWNC : ON  
SB : OFF XB : HIGH  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLTL=23h 26m 30s | 0000 RTLTL=23h 26m 38s

1249 | 1250 PWS/RH

1249 GS-4B 1250

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

DSN COVERAGE

31 15 [D] 0835 0930 34 [D] 1410 1805 65 [D] 0030 63 [D] 0340 14 [D] 0400

HPTXR

32 45 [D] 0745 - 2210

HPTXR

RTLTL : 18h 28m 52s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B116  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLTL=18h 28m 56s | 0000 RTLTL=18h 29m 0s

1143 | 1144 PWS/RH

1143 GS-4B 1144

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 @ 1143 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 1249 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: 07/08/02 - 16:20

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 10, 2002  
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 : 23h 26m 38s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A043  
TWNC : ON  
SB : OFF XB : HIGH  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLT=23h 26m 48s  
1219 EL-40 (11:46)  
1236 ECR 100862A (12:03)  
1241 CCSL A044 (12:07)  
1303 CCSA MRO ECR 100862A (12:30)  
1331 CCSB MRO ECR 100862A (12:58)  
1356 MRO AHEL11 TIC (13:23)  
1434 TLMRST (14:01)  
1455 CR-5T (14:21)  
1510 X-BD LOW/BAY1 HTR ON (14:36)

0000 RTLT=23h 26m 56s

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

DSN COVERAGE

HPTXR 31  
14 [D] ----- | 1125  
1105 |----- 43 ----- | 1515  
0050 |----- 15 [D] ----- | 0355  
2245 |--- 65 [D] --- | 0110  
0335 |----- 14 [D] ----- |

HPTXR 32  
1050 |----- 45 [D] ----- | 1410  
1615 | - 43 [B] - | 1755

RTLT : 18h 29m 0s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B116  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLT=18h 29m 4s  
1652 DUMMY (5 MIN BRACKETED 11:22)  
0000 RTLT=18h 29m 8s

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: 07/08/02 - 16:20

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

1200 RTLTL=23h 27m 6s

0000 RTLTL=23h 27m 14s

VOYAGER 1

FDSL : 11AF

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

\*  
1218 | 1225 CCSL CHKSUM  
\*  
1231 | - - - | 1324 CCS MRO ECR 100862A  
\*  
1324 | | 1342 CCS MRO AHELI1 TIC

U/L 0100 | - | - - - - - TLC (SHORT-FORM) - - - - -

\*  
↓ 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

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

HPTXR

RTLTL : 18h 29m 8s

1200 RTLTL=18h 29m 12s

0000 RTLTL=18h 29m 18s

VOYAGER 2

FDSL : 11AF

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

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: 07/08/02 - 16:20

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: 07/08/02 - 16:20

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: 07/08/02 - 16:20

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

1200 RTLT=18h 29m 50s

0000 RTLT=18h 29m 56s

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: 07/08/02 - 16:20

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] ----- | 0140  
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: 07/08/02 - 16:20

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 - - - - -

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

1250 | - - - - - 45 [D] - - - - - | 2145

45 [D] 0630 | - - - - -

HPTXR

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: 07/08/02 - 16:20

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

RTLT : 23h 29m 8s | 1200 RTLT=23h 29m 18s | 0000 RTLT=23h 29m 28s

VOYAGER 1 ----- TLC ----- | D/L -| 0042

FDSL : 11AF  
CCSL : A044  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

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

31 ----- 15 [D] ----- | 0955 | 2005 | ----- 65 [D] ----- | 0025 | ----- 15 [D] ----- | 0045

DSN COVERAGE HPTXR  
32 ----- 45 [D] ----- | 1905 | 0540 | 45 [D] -----

HPTXR

RTLT : 18h 30m 16s | 1200 RTLT=18h 30m 22s | 0000 RTLT=18h 30m 26s

VOYAGER 2

FDSL : 11AF  
CCSL : B116  
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 -----

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: 07/08/02 - 16:20

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 19, 2002  
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 : 23h 29m 28s

1200 RTLT=23h 29m 38s

0000 RTLT=23h 29m 48s

VOYAGER 1

1827 | 1828 PWS/RH

FDSL : 11AF

1525 | - - | 1607 TAPPOS

2034 | - - | 2102 TAPPOS

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

1827  
GS-4B 1828

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

31 - - - - 15 [D] - - - - | 0950

0020 | - - - - - - - - 25 [D] - - - - - - - -

DSN COVERAGE  
HPTXR

32 - - - - 45 [D] - - - - | 1025

1005 | - - - - - - - - 43 [o] - - - - - - - - | 2055

HPTXR

RTLT : 18h 30m 26s

1200 RTLT=18h 30m 32s

0000 RTLT=18h 30m 38s

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 @ 1827 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: 07/08/02 - 16:20

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

1200 RTLTL=23h 29m 58s

0000 RTLTL=23h 30m 8s

↓ 2246 SLEW->HELIO-1B

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 --- 25 [D] --- 0945

1650 |----- 65 [D] -----| 2145

0015 |----- 25 [D] -----|

HPTXR  
DSN COVERAGE

32 |----- 45 [D] -----| 0735 - 2130

34 [D] 0610 |-----

HPTXR

RTLTL : 18h 30m 38s

1200 RTLTL=18h 30m 44s

0000 RTLTL=18h 30m 50s

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: 07/08/02 - 16:20

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] -----

0515 |-- 15 [D] --

0300 |----- 25 [D] ----- | 0315

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