

ISSUE DATE: 07/21/99 - 07:04

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

RTLTL : 20h 30m 42s

1200 RTLTL=20h 30m 52s

0000 RTLTL=20h 31m 2s

VOYAGER 1

TLC (SHORT-FORM)

D/L -| 0359

FDSL : 11AF

S/C 31 STATUS

↓ 0216 SLEW->HELIO-20A

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

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -17.354 sec

ROLLREF = RIGIL
KENTAURUS

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31

14 [T] -----| 1040

2045 | --- 63 [D] ---| 2310

2330 | ----- 15 [D] -----| 0240

0225 - 0620 | ----- 14 [D] -----|

DSN COVERAGE
HPTXR

32

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

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

0515 | - 43 [D] - -

HPTXR

RTLTL : 15h 56m 38s

1200 RTLTL=15h 56m 44s

0000 RTLTL=15h 56m 50s

VOYAGER 2

FDSL : 11AF

S/C 32 STATUS

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

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: 3.455 sec

ROLLREF = VEGA

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: 07/21/99 - 07:04

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: 07/21/99 - 07:04

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

RTLTL : 20h 31m 22s

1200 RTLTL=20h 31m 32s

0000 RTLTL=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

RTLTL : 15h 57m 2s

1200 RTLTL=15h 57m 8s

0000 RTLTL=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: 07/21/99 - 07:04

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 |-----25 [D]-----|0715- 0940

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

ISSUE DATE: 07/21/99 - 07:04

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 26, 1999
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 : 20h 32m 4s

1200 RTLTL=20h 32m 14s

0000 RTLTL=20h 32m 24s

VOYAGER 1

↓ 1417 SLEW->HELIO-13A

↓ 0217 SLEW->HELIO-12A

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 ----- 15 [D] ----- | 1155

2130 | ----- 54 [D] ----- | 0050

0405 | ----- 14 [D] -----

DSN COVERAGE
HPTXR

32 0830 | ----- 43 [D] ----- | 1355

1350 | ----- 34 [o] ----- | 2105

HPTXR

1200 RTLTL=15h 57m 34s

0000 RTLTL=15h 57m 40s

RTLTL : 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

ISSUE DATE: 07/21/99 - 07:04

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 27, 1999
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 : 20h 32m 24s
VOYAGER 1
FDSL : 11AF
CCSL : A032
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=20h 32m 36s | 0000 RTLT=20h 32m 46s

1146 | 1147 PWS/RH
↓ 1417 SLEW->HELIO-11A
SLEW->MIDPNT-A 0417 ↓

1146 GS-4B 1147

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

DSN COVERAGE

31	14 [D]	0925	1700	63 [D]	2305	0320-0620	14 [D]
32	0845	43 [B]	1515	1500	45 [D]	2120	

HPTXR

RTLT : 15h 57m 40s
VOYAGER 2
FDSL : 11AF
CCSL : B104
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=15h 57m 46s | 0000 RTLT=15h 57m 52s

1052 | 1052 PWS/RH
1229 | PLSCAL - | 1412
1229 | --- MAGCAL --- | 1532
1229 | --- PESCAL --- | 1549
▼ 1432 DUMMY (BRACKETED 5MIN NO D/L)

1052 GS-4B 1052

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 @ 1052 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 1146 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: 07/21/99 - 07:04

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 28, 1999
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 : 20h 32m 46s

1200 RTLT=20h 32m 56s

0000 RTLT=20h 33m 8s

↓ 0217 SLEW->HELIO-10A

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 |-----15 [D]-----|0715- 1015

2105 |-----63 [D]-----|0130

0545 |14 [D] |

DSN COVERAGE
HPTXR

32 |0830|-----43 [D]-----|1350

1335 |-----34 [o]-----|2055

HPTXR

RTLT : 15h 57m 52s

1200 RTLT=15h 58m 0s

0000 RTLT=15h 58m 6s

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: 07/21/99 - 07:04

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 29, 1999
210-211

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 33m 8s

1200 RTLT=20h 33m 18s

0000 RTLT=20h 33m 28s

VOYAGER 1

↓ 1417 SLEW->HELIO-9A

↓ 0217 SLEW->HELIO-8A

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] --- | 0915

2200 |----- 65 [D] ----- | 0245

0545 | 14 [D] |

DSN COVERAGE
HPTXR

32 0830 |----- 43 [D] ----- | 1355

1500 |----- 34 [D] ----- | 2055

HPTXR

RTLT : 15h 58m 6s

1200 RTLT=15h 58m 12s

0000 RTLT=15h 58m 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 -----

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: 07/21/99 - 07:04

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 30, 1999
211-212

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 33m 28s

1200 RTLT=20h 33m 40s

0000 RTLT=20h 33m 50s

VOYAGER 1

↓ 1417 SLEW->HELIO-7A

▼ 2315 DUMMY (19:48)

U/L 0030 |----- TLC SHORT-FORM -----
↓ 0054 GYRO INIT
↓ 0054 GYROS AB ON
↓ 0104 GYRO FAULT TEST
0158 || 0202 CCSTIM(B)
↓ 0218 SLEW->HELIO-6A

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] -| 0825

2120 |----- 63 [T] -----| 0220
0200 |----- 24 [D] -----| 0500

DSN COVERAGE HPTXR

32 0830 |----- 43 [D] -----| 1345
1325 |----- 34 [D] -----| 2050

HPTXR

RTLT : 15h 58m 20s

1200 RTLT=15h 58m 26s

0000 RTLT=15h 58m 34s

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: 07/21/99 - 07:04

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 31, 1999
212-213

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 33m 50s

1200 RTLT=20h 34m 0s

0000 RTLT=20h 34m 12s

VOYAGER 1

↓ 1418 SLEW->HELIO-5A

↓ 0218 SLEW->HELIO-4A

FDSL : 11AF

TLC SHORT-FORM -----| D/L -| 2232

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

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1425 |-----

63 [D] -----|

2320

2300 |-----

24 [D] -----|

0320

0340

14 [D] -----

DSN COVERAGE
HPTXR

32

1510 |-----

34 [o] -----|

2045

HPTXR

RTLT : 15h 58m 34s

1200 RTLT=15h 58m 40s

0000 RTLT=15h 58m 48s

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: 07/21/99 - 07:04

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
AUGUST 1, 1999
213-214

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 34m 12s

1200 RTLT=20h 34m 22s

0000 RTLT=20h 34m 34s

VOYAGER 1

↓ 1418 SLEW->HELIO-3A

↓ 0218 SLEW->HELIO-2A

FDSL : 11AF

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

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 ----- 14 [D] ----- | 1000

1640 |----- 54 [D] ----- | 0045

0300 |----- 14 [D] -----

DSN COVERAGE
HPTXR

32 0830 |----- 43 [D] ----- | 1335

1450 |----- 34 [D] ----- | 2040

42 [D] 0630 |-----

HPTXR

1200 RTLT=15h 58m 54s

0000 RTLT=15h 59m 2s

RTLT : 15h 58m 48s

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: 07/21/99 - 07:04

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
AUGUST 2, 1999
214-215

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 34m 34s

1200 RTLTL=20h 34m 44s

0000 RTLTL=20h 34m 56s

VOYAGER 1

↓ 1418 SLEW->HELIO-1A

FDSL : 11AF

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

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

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

2055 |----- 63 [D] ----- | 0230

0455 |--- 14 [D] ---|

DSN COVERAGE
HPTXR

32 --- 42 [D] --- | 1255

1450 |----- 34 [D] ----- | 2005

HPTXR

RTLTL : 15h 59m 2s

1200 RTLTL=15h 59m 10s

0000 RTLTL=15h 59m 16s

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: 07/21/99 - 07:04

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
AUGUST 3, 1999
215-216

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 34m 56s

1200 RTLTL=20h 35m 6s

0000 RTLTL=20h 35m 18s

VOYAGER 1

1124 | 1125 PWS/RH

↓ 0154 GYRO INIT

FDSL : 11AF

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

1124
GS-4B 1125

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

31 --- 14 [D] --- | 0925

2115 | ----- 63 [D] ----- | 0145

0500 | --- 14 [D] ---

DSN COVERAGE
HPTXR

32

0845 | ----- 43 [B] ----- | 1415

1355 | ----- 34 [o] ----- | 2035

HPTXR

1200 RTLTL=15h 59m 24s

0000 RTLTL=15h 59m 32s

RTLTL : 15h 59m 16s

VOYAGER 2

1028 | 1029 PWS/RH

▼ 1332 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

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

1028
GS-4B 1029

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 @ 1028 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 1124 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: 07/21/99 - 07:04

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
AUGUST 4, 1999
216-217

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 35m 18s

1200 RTLT=20h 35m 28s

0000 RTLT=20h 35m 40s

VOYAGER 1

0750 | U/L

TLC (SHORT-FORM)

| D/L | 0554

FDSL : 11AF

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

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 | 14 [D] | 0950

1630 | 63 [D] | 2215

0255 | 24 [D]

2200 | 14 [D] | 0315

DSN COVERAGE
HPTXR

32 | 0830 | 43 [D] | 1325

1305 | 34 [D] | 2030

HPTXR

1200 RTLT=15h 59m 38s

0000 RTLT=15h 59m 46s

RTLT : 15h 59m 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: 07/21/99 - 07:04

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
AUGUST 5, 1999
217-218

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 35m 40s

1200 RTLT=20h 35m 50s

0000 RTLT=20h 36m 2s

VOYAGER 1

▼ 2030 DUMMY (17:06)

FDSL : 11AF

CCSL : A032

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 -- 24 [D] -- | 0845

1355 | - - - - - 63 - - - - - | 2230

0500 | - - - 14 [D] - - -

DSN COVERAGE
HPTXR

32

1420 | - - - - - 34 [o] - - - - - | 1955

HPTXR

RTLT : 15h 59m 46s

1200 RTLT=15h 59m 54s

0000 RTLT=16h 0m 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 - - - - - | 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: 07/21/99 - 07:04

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
AUGUST 6, 1999
218-219

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 36m 2s

1200 RTLTL=20h 36m 12s

0000 RTLTL=20h 36m 24s

VOYAGER 1

FDSL : 11AF

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

↓ 0055 BAY 1 HTR OFF

↓ 0059 X/B HI POWER

↓ 0205 AAI

0208 |----- MAGROL -----

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 ---|0740 14 [D]

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

|0200
0140 |----- 14 [D] -----

0525 |-- 24 [D] --

|0545

DSN COVERAGE
HPTXR

32

0845 |----- 45 [D] ----- |2020

HPTXR

RTLTL : 16h 0m 2s

1200 RTLTL=16h 0m 10s

0000 RTLTL=16h 0m 18s

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 -----

NOTES

[1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0208-0803)

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: 07/21/99 - 07:04

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
AUGUST 7, 1999
219-220

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 36m 24s

VOYAGER 1

FDSL : 11AF

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

↓ 0756 RAI

↓ 0803 CRU

↓ 0803 GYROS OFF

-----| 0803 MAGROL

↓ 0808 X/B LOW POWER

↓ 0812 BAY 1 HTR ON

↓ 1919 SLEW->HELIO-1B

1200 RTLT=20h 36m 36s

0000 RTLT=20h 36m 46s

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 24 [D] - | 0830

1400 |----- 63 [D] -----| 1715

0020 |----- 14 [D] -----|

DSN COVERAGE
HPTXR

32 0840 |----- 45 [D] -----| 1500

1445 |----- 34 [D] -----| 2015

HPTXR

RTLT : 16h 0m 18s

VOYAGER 2

FDSL : 11AF

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

1200 RTLT=16h 0m 26s

0000 RTLT=16h 0m 32s

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0208-0803)

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: 07/21/99 - 07:04

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
AUGUST 8, 1999
220-221

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 36m 46s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A032
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

↓ 0719 SLEW->HELIO-2B
 ↓ 1919 SLEW->HELIO-3B

1200 RTLT=20h 36m 58s
 0000 RTLT=20h 37m 10s

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

DSN COVERAGE

HPTXR 31 --- 14 [D] --- 0935
 1455 |----- 63 [D] -----| 2205
 2145 |----- 14 [D] -----| 0440

HPTXR 32 1440 |----- 45 [D] -----| 2035

RTLT : 16h 0m 32s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B104
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=16h 0m 40s
 0000 RTLT=16h 0m 48s

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