

ISSUE DATE: 05/05/99 - 07:17

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 6, 1999
126-127

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 14m 52s

1200 RTLTL=20h 14m 54s

0000 RTLTL=20h 14m 56s

VOYAGER 1

TLC (SHORT-FORM)
D/L -|0833

↓ 1408 SLEW->HELIO-4C

↓ 0208 SLEW->HELIO-5C

FDSL : 11AF

S/C 31 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -16.908 sec
ROLLREF = RIGIL KENTAURUS

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

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31

-----24 [D]-----|1120

1100 |-----14 [D]-----|1445

2300 |-----63 [D]-----|0515

DSN COVERAGE
HPTXR

32

1510 |-----43 [D]-----|1810

1855 |-----45 [D]-----|0130

HPTXR

RTLTL : 15h 53m 48s

1200 RTLTL=15h 53m 44s

0000 RTLTL=15h 53m 42s

VOYAGER 2

S/C 32 STATUS
FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: 11.253 sec
ROLLREF = VEGA

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: 05/05/99 - 07:17

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 7, 1999
127-128

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 14m 56s
VOYAGER 1
FDSL : 11AF
CCSL : A031
TWNC : ON
SB : OFF XB : HI
PYR : .05/ .10/ .25
GYROS : ON

1200 RTLT=20h 14m 58s
0000 RTLT=20h 15m 0s

↓ 0730 AAI
----- MAGROL -----
| 0733 - 1329
↓ 1322 RAI
↓ 1329 CRU
↓ 1329 GYROS OFF
↓ 1408 SLEW->HELIO-6C
▼ 1435 DUMMY (10:49)
↓ 0208 SLEW->HELIO-7C

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31 ----- 14 ----- | 0705 - 1545
2330 ----- 63 [D] ----- | 0340 ----- 14 [D] -----
| 0345

HPTXR
DSN COVERAGE

32
1320 ----- 43 [D] ----- | 1805
1745 ----- 42 [D] ----- | 2005
2000 ----- 34 [o] ----- | 0220

HPTXR

RTLT : 15h 53m 42s
VOYAGER 2
FDSL : 11AF
CCSL : B103
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=15h 53m 40s
0000 RTLT=15h 53m 36s

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 (0733-1329)

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: 05/05/99 - 07:17

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 8, 1999
128-129

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 15m 0s

1200 RTLT=20h 15m 2s

0000 RTLT=20h 15m 4s

VOYAGER 1

↓ 1408 SLEW->HELIO-8C

↓ 0208 SLEW->HELIO-9C

FDSL : 11AF

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

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31 ----- 14 [D] ----- | 1420

2000 |----- 63 [D] ----- | 0345

DSN COVERAGE
HPTXR

32 ----- 1020 |----- 43 [D] ----- | 1805

2135 |----- 34 [o] ----- | 0215

HPTXR

RTLT : 15h 53m 36s

1200 RTLT=15h 53m 34s

0000 RTLT=15h 53m 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: 05/05/99 - 07:17

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 9, 1999
129-130

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 15m 4s

1200 RTLTL=20h 15m 6s

0000 RTLTL=20h 15m 8s

VOYAGER 1

↓ 1408 SLEW->HELIO-10C

↓ 0208 SLEW->MIDPNT-C

FDSL : 11AF

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

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31

1045 |----- 25 [D] -----| 1450

2155 - 0635 |----- 54 [D] -----| 0415 |---- 24 [D] ----|

DSN COVERAGE
HPTXR

32

1020 |----- 43 [D] -----| 1800

1740 |----- 42 [D] -----| 2145

HPTXR

RTLTL : 15h 53m 32s

1200 RTLTL=15h 53m 28s

0000 RTLTL=15h 53m 26s

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: 05/05/99 - 07:17

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 10, 1999
130-131

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 15m 8s

1200 RTLTL=20h 15m 10s

0000 RTLTL=20h 15m 12s

VOYAGER 1

↓ 1408 SLEW->HELIO-11C

↓ 0208 SLEW->HELIO-12C

FDSL : 11AF

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

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31

-----24 [D]-----
1320 | 1340
15 [D] -- | 1510

1955 |-----63 [D]-----| 0315

DSN COVERAGE
HPTXR

32

1015 |-----43-----

2125 |-----34 [o]-----| 0130

HPTXR

RTLTL : 15h 53m 26s

1200 RTLTL=15h 53m 24s

0000 RTLTL=15h 53m 22s

VOYAGER 2

▼ 1900 DUMMY (10:53)

▼ 1908 B103MA MINI-SEQ (11:01)

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: 05/05/99 - 07:17

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 11, 1999
131-132

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 15m 12s
VOYAGER 1
FDSL : 11AF
CCSL : A031
TWNC : ON
SB : OFF XB : HI
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=20h 15m 16s
0000 RTLTL=20h 15m 18s

↓ 1408 SLEW->HELIO-13C
1602 | 1603 PWS/RH
↓ 0208 SLEW->HELIO-14C

1602
GS-4B 1603

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

31	1155 ----- 15 [D] ----- 1510	1950 ----- 63 [D] ----- 0545
DSN COVERAGE	HPTXR	
32	1010 ----- 43 [D] ----- 1755	1905 ----- 34 [D] ----- 2345
	HPTXR	

RTLTL : 15h 53m 22s
VOYAGER 2
FDSL : 11AF
CCSL : B103
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=15h 53m 20s
0000 RTLTL=15h 53m 16s

*
1116 | | 1134 B103MA MINI-SEQ CHKSUM
1513 | 1514 PWS/RH

1513
GS-4B 1514

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 @ 1513 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 1602 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: 05/05/99 - 07:17

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 12, 1999
132-133

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 15m 18s

1200 RTLTL=20h 15m 20s

0000 RTLTL=20h 15m 22s

VOYAGER 1

↓ 1408 SLEW->HELIO-15C

↓ 0208 SLEW->HELIO-16C

FDSL : 11AF

U/L 0445 | - |

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

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

▼ 1430 DUMMY (10:45)

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

----- 24 ----- | 0715 - 1440

0115 | ----- 63 [T] ----- | 0545

DSN COVERAGE
HPTXR

32

1455 | ----- 42 [o] ----- | 1855

1905 | ---- 45 [D] ---- | 2145

HPTXR

RTLTL : 15h 53m 16s

1200 RTLTL=15h 53m 14s

0000 RTLTL=15h 53m 12s

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: 05/05/99 - 07:17

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 13, 1999
133-134

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 15m 22s

1200 RTLTL=20h 15m 26s 0000 RTLTL=20h 15m 28s

VOYAGER 1

- ↓ 1408 SLEW->HELIO-17C
- ↓ 1427 X/B LOW POWER
- ↓ 1431 BAY 1 HTR ON
- TLC (SHORT-FORM)

FDSL : 11AF

D/L -|0229
↓ 0208 SLEW->HELIO-18C

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

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 0855 | -- 24 [D] --- | 1115 24 [D] 0630 | --

1055 | - - - - - 14 [D] - - - - - | 1445

0125 | - 63 [D] - - | 0310

HPTXR
DSN COVERAGE

32 1000 | - - - - - 43 [D] - - - - - | 2000

1940 | - - - - - 45 [D] - - - - - | 0055

HPTXR

RTLTL : 15h 53m 12s

1200 RTLTL=15h 53m 10s 0000 RTLTL=15h 53m 8s

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: 05/05/99 - 07:17

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 14, 1999
134-135

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 15m 28s

1200 RTLTL=20h 15m 30s

0000 RTLTL=20h 15m 34s

VOYAGER 1

↓ 1408 SLEW->HELIO-19C

↓ 0208 SLEW->HELIO-20C

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] ----- | 1035

1125 |----- 25 [D] ----- | 1430

1935 |----- 63 [D] ----- | 0355

DSN COVERAGE
HPTXR

32

1045 |----- 43 [D] ----- | 1745

1725 |----- 42 [D] ----- | 2025

HPTXR

RTLTL : 15h 53m 8s

1200 RTLTL=15h 53m 6s

0000 RTLTL=15h 53m 4s

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: 05/05/99 - 07:17

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 15, 1999
135-136

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 15m 34s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

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

1200 RTLTL=20h 15m 36s
 0000 RTLTL=20h 15m 38s

31 |-----24 [D]-----| 0710 - 1300
 1935 |-----63 [D]-----| 0300

HPTXR
 DSN COVERAGE

32 |-----43 [D]-----| 1335 - 1515
 1905 |-----34 [o]-----| 0150

HPTXR

RTLTL : 15h 53m 4s
 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)

1200 RTLTL=15h 53m 2s
 0000 RTLTL=15h 53m 0s

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: 05/05/99 - 07:17

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 16, 1999
136-137

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 15m 38s

1200 RTLT=20h 15m 42s

0000 RTLT=20h 15m 44s

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] ----- | 0745 - 1055

1035 |----- 15 [D] ----- | 1450

1930 |----- 63 [D] ----- | 0300

DSN COVERAGE
HPTXR

32

1230 |----- 42 [D] ----- | 1650

1630 |----- 45 [D] ----- | 0135

HPTXR

RTLT : 15h 53m 0s

1200 RTLT=15h 52m 58s

0000 RTLT=15h 52m 56s

COMMAND MORATORIUM 0500 |-----

2257 | TAPPOS | 0036

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: 05/05/99 - 07:17

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 17, 1999
137-138

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 15m 44s
VOYAGER 1
FDSL : 11AF
CCSL : A031
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=20h 15m 48s 0000 RTLT=20h 15m 50s

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

DSN COVERAGE HPTXR
31 0915 |----- 14 [D] -----| 1445 1955 |----- 63 [D] -----| 0255 0545 | 24 [D] |
0420 | 54 [D] | 0605
HPTXR
32 1025 |----- 43 [D] -----| 2145 2125 |----- 34 [D] -----| 0115
HPTXR

RTLT : 15h 52m 56s
VOYAGER 2
FDSL : 11AF
CCSL : B103
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=15h 52m 54s 0000 RTLT=15h 52m 52s

----- COMMAND MORATORIUM -----

↓ 1226 BAY 1 HTR OFF
↓ 1230 X/B HI POWER
↓ 1327 YAW=.05
1337 |----- PLAYBACK -----| 2008
↓ 2018 YAW=.10
2038 | 2104 TAPPOS
↓ 2115 X/B LOW POWER
↓ 2119 BAY 1 HTR ON

FDS MODE CR-5T PB-14 CR-5T
XB DATA RATE (MI) 160(32) 1.4K(39) 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: 05/05/99 - 07:17

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 18, 1999
138-139

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 15m 50s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A031
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLTL=20h 15m 54s | 0000 RTLTL=20h 15m 58s

1538 | 1539 PWS/RH

U/L 0440 | - |
 TLC (SHORT-FORM) | - |

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

31 ----- 24 [D] ----- | 1255 ----- 14 [D] 0615 |-----
 0010 |----- 63 [DT] ----- | 0545

HPTXR

DSN COVERAGE

32 ----- 1410 |----- 42 [D] ----- | 0030

HPTXR

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

1200 RTLTL=15h 52m 50s | 0000 RTLTL=15h 52m 48s

COMMAND MORATORIUM ----- | 0526

1449 | 1450 PWS/RH

1449 GS-4B 1450

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

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

NOTES

[1] S/C 32=GS-4B @ 1449 XB=2.8K(41) NOT RECOVERABLE
 [2] S/C 31=GS-4B @ 1538 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: 05/05/99 - 07:17

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 19, 1999
139-140

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 15m 58s

1200 RTLTL=20h 16m 0s

0000 RTLTL=20h 16m 4s

VOYAGER 1

FDSL : 11AF

TLC (SHORT-FORM)

D/L 0224

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] ----- | 1025 ----- 2305 | ----- 63 [D] -----

1005 | --- 24 [D] --- | 1245

DSN COVERAGE HPTXR

32 ----- 0935 | ----- 43 [B] ----- | 1730 ----- 34 [o] ----- | 0135

HPTXR

RTLTL : 15h 52m 48s

1200 RTLTL=15h 52m 46s

0000 RTLTL=15h 52m 44s

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: 05/05/99 - 07:17

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

FDSL : 11AF

▼ 2140 DUMMY (17:56)

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 | 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

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: 05/05/99 - 07:17

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

RTLT : 20h 16m 10s

1200 RTLT=20h 16m 14s

0000 RTLT=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

RTLT : 15h 52m 40s

1200 RTLT=15h 52m 40s

0000 RTLT=15h 52m 38s

VOYAGER 2

▼ 1625 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: 05/05/99 - 07:17

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

↓ 0909 SLEW->HELIO-3B
 ↓ 2109 SLEW->HELIO-4B

1200 RTLT=20h 16m 22s
 0000 RTLT=20h 16m 26s

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

31 ----- 24 [D] ----- | 1245
 1225 | - 25 [D] - | 1400
 2130 | ----- 54 [D] ----- | 0545

HPTXR
 DSN COVERAGE
 32
 HPTXR
 1830 | ----- 34 [o] ----- | 0125

RTLT : 15h 52m 38s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B103
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10 / .25
 GYROS : OFF

1200 RTLT=15h 52m 36s
 0000 RTLT=15h 52m 34s

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: 05/05/99 - 07:17

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

1200 RTLT=20h 16m 28s
 0000 RTLT=20h 16m 32s

↓ 0909 SLEW->HELIO-5B
 ↓ 2109 SLEW->HELIO-6B

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

31 ----- 24 [D] ----- 1355
 2130 |----- 54 [D] -----| 0540
 0600 |24 [D]

HPTXR
 DSN COVERAGE
 32 1345 |----- 42 [D] -----| 1830
 1810 |----- 45 [D] -----| 0120
 HPTXR

RTLT : 15h 52m 34s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B103
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10 / .25
 GYROS : OFF

1200 RTLT=15h 52m 34s
 0000 RTLT=15h 52m 32s

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