

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 4, 1999
308-309

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 9m 4s

1200 RTLTL=21h 9m 12s

0000 RTLTL=21h 9m 20s

VOYAGER 1

S/C 31 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -17.864 sec

CCSL : A033
TWNC : ON
SB : OFF XB : HI
PYR : .05/ .10/ .25
GYROS : ON

ROLLREF = RIGIL
KENTAURUS

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31

0955 |-----54 [D]-----| 1410

1645 |-----24 [D]-----| 0245

HPTXR
DSN COVERAGE

32

-----42 [D]-----| 1310

0505 |-----42 [D]-----

HPTXR

RTLTL : 16h 32m 34s

1200 RTLTL=16h 32m 46s

0000 RTLTL=16h 32m 56s

VOYAGER 2

S/C 32 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -7.764 sec

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

ROLLREF = VEGA

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

VOYAGER COVERAGE

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

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 5, 1999
309-310

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 9m 20s

VOYAGER 1

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : HI
PYR : .05/ .10/ .25
GYROS : ON

↓ 1951 SLEW->HELIO-1C

↓ 2021 AAI

2024 |----- MAGROL -----| 0220

↓ 0213 RAI

↓ 0220 CRU

↓ 0220 GYROS OFF

SLEW->HELIO-2C 0751 ↓

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31 |----- 63 [D] -----| 0810- 1200

2015 |----- 25 [D] -----| 0255

1645 |----- 24 [D] -----| 2035

DSN COVERAGE
HPTXR

32 |----- 42 [D] -----| 1305

0215 |----- 43 [D] -----| 0645
0625 |----- 42 [D] -----|

HPTXR

RTLT : 16h 32m 56s

1027 |----- 1200 RTLT=16h 33m 8s -----| COMMAND MORATORIUM -----|

0000 RTLT=16h 33m 20s

↓ 0230 GYROS AB ON

↓ 0231 GYRO INIT

↓ 0240 GYRO FAULT TEST

VOYAGER 2

FDSL : 11AF

CCSL : B105
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] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (2024-0220)

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 6, 1999
310-311

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 9m 36s

1200 RTLT=21h 9m 44s

0000 RTLT=21h 9m 52s

VOYAGER 1

↓ 1951 SLEW->HELIO-3C

SLEW->HELIO-4C 0751 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : HI
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31

-----63 [D] -----

|0825 - 1145

1210 |-----54 [D] -----

|1600

1640 |-----

24 [D] -----

|0235

DSN COVERAGE
HPTXR

32

-----42 [D] -----

|1300

0210 |-----

43 [D] -----

|0640

HPTXR

1200 RTLT=16h 33m 30s

0000 RTLT=16h 33m 42s

RTLT : 16h 33m 20s

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

VOYAGER 2

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

VOYAGER COVERAGE

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

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 7, 1999
311-312

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 9m 52s

1200 RTLT=21h 10m 0s

0000 RTLT=21h 10m 8s

VOYAGER 1

↓ 1951 SLEW->HELIO-5C

SLEW->HELIO-6C 0751 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : HI
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31 |----- 63 [D] -----| 0825 - 1605
1705 |----- 24 [D] -----| 0230 63 [D] 0800

DSN COVERAGE
HPTXR

32 |----- 42 [o] -----| 0810 - 1300 0310 |----- 43 [D] -----| 0635
2245 |----- 34 [D] -----| 0210 0630 |----- 42 [D] -----|

HPTXR

RTLT : 16h 33m 42s

1200 RTLT=16h 33m 52s

0000 RTLT=16h 34m 4s

0957 COMMAND MORATORIUM

VOYAGER 2

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

VOYAGER COVERAGE

ON CALL

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 8, 1999
312-313

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 10m 8s

1200 RTLT=21h 10m 16s

0000 RTLT=21h 10m 24s

VOYAGER 1

↓ 1951 SLEW->HELIO-7C

SLEW->HELIO-8C 0751 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : HI
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31

-----63 [D]-----|0800- 1600

2015 |-----24 [D]-----|0230

63 [D] 0755 |

DSN COVERAGE
HPTXR

32

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

0245 |-----42 [o]-----

HPTXR

RTLT : 16h 34m 4s

1200 RTLT=16h 34m 14s

0000 RTLT=16h 34m 26s

VOYAGER 2

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

VOYAGER COVERAGE

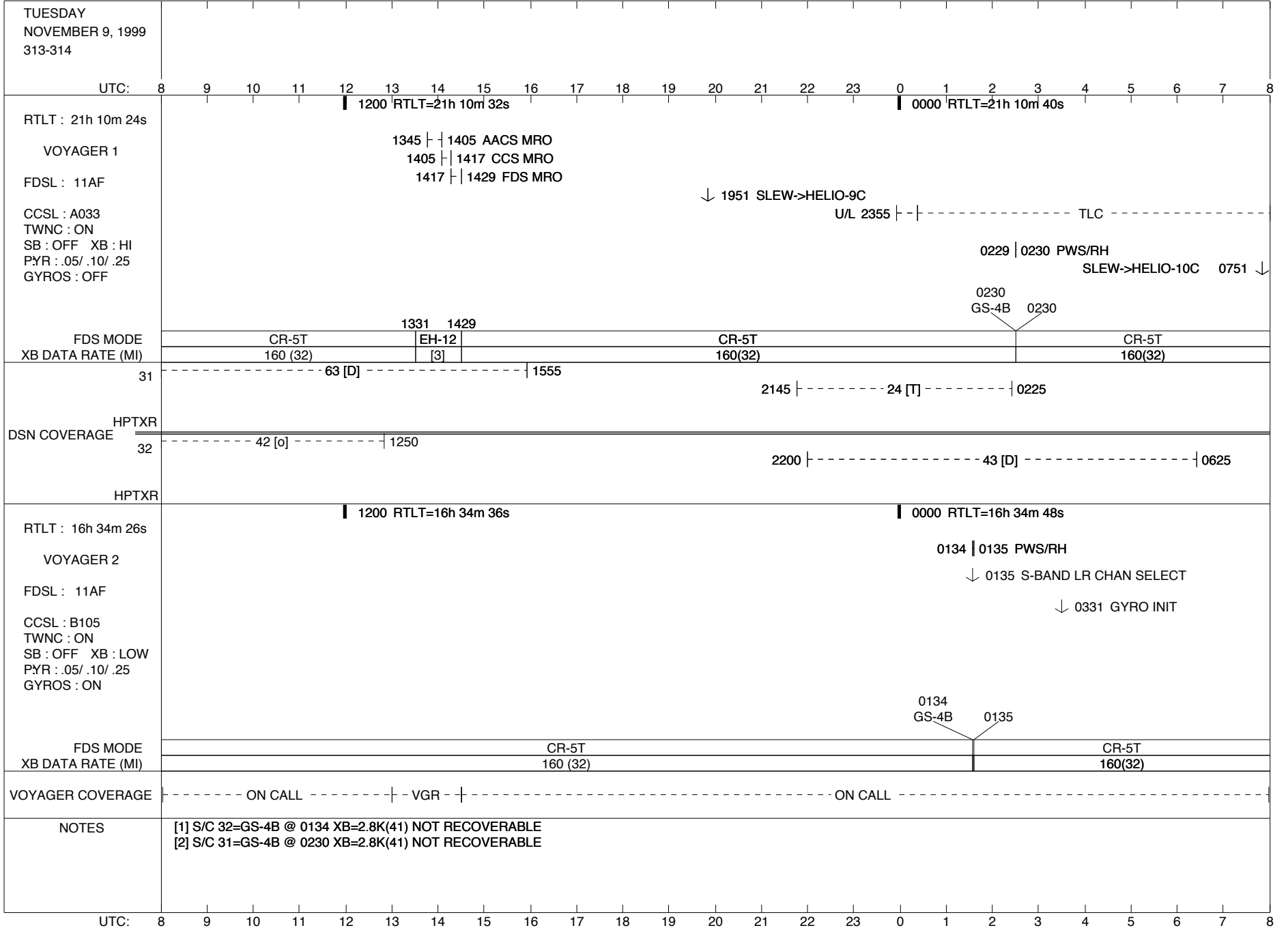
-----ON CALL-----

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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



ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 10, 1999
314-315

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 10m 40s

1200 RTLTL=21h 10m 48s

0000 RTLTL=21h 10m 54s

VOYAGER 1

1821 | PLSCAL -| 2003

1821 | --- MAGCAL --- | 2123

1821 | --- PESCAL --- | 2141

↓ 2336 SLEW->MIDPNT-C

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : HI
PYR : .05/ .10/ .25
GYROS : OFF

----- TLC ----- | D/L -| 2234

↓ 0254 X/B LOW POWER

↓ 0258 BAY 1 HTR ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

0935 | - 54 [D] - - | 1120

1625 | - - - - - 24 [D] - - - - - | 0220

0155 | 43 [D] - | 0315

DSN COVERAGE
HPTXR

32

| - - - - - 42 [D] - - - - - | 0845 - 1245

0400 | - - - 43 [D] - - - | 0625

HPTXR

RTLTL : 16h 34m 48s

1200 RTLTL=16h 34m 58s

0000 RTLTL=16h 35m 8s

VOYAGER 2

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

+ VGR +

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

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 11, 1999
315-316

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 10m 54s

VOYAGER 1

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

↓ 1951 SLEW->HELIO-11C

SLEW->HELIO-12C 0751 ↓

▼ 2030 DUMMY (17:41)

CR-5T

160(32)

31

1330 |----- 63 [D] -----| 1640

63 [D] 0740 |-----

1630 |----- 24 -----| 2315

DSN COVERAGE
HPTXR

32

|----- 42 [D] -----| 0845 - 1240

0205 |----- 43 [B] -----| 0620 42 [D] 0730 |-----

HPTXR

RTLT : 16h 35m 8s

VOYAGER 2

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

1200 RTLT=16h 35m 20s

0000 RTLT=16h 35m 30s

COMMAND MORATORIUM 0555 |-----

DUMMY (BRACKETED 5MIN NO D/L) 0237 ▼

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 12, 1999
316-317

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 11m 10s

1200 RTLT=21h 11m 18s

0000 RTLT=21h 11m 24s

VOYAGER 1

↓ 1951 SLEW->HELIO-13C

SLEW->HELIO-14C 0752 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

63 [D] -----| 1200

1615 |

24 [D] -----|

0215

63 [D] 0740 |

DSN COVERAGE
HPTXR

32

42 [D] -----| 1240

2145 |

43 [D] -----|

0540 | 42 [D] -----|

0600

HPTXR

RTLT : 16h 35m 30s

1200 RTLT=16h 35m 42s

0000 RTLT=16h 35m 52s

VOYAGER 2

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

FDSL : 11AF

↓ 2200 BAY 1 HTR OFF

↓ 2204 X/B HI POWER

↓ 2310 AAI

2313 |-----MAGROL-----|

↓ 0502 RAI

↓ 0509

↓ 0509 CRU

X/B LOW POWER 0531 ↓

BAY 1 HTR ON 0535 ↓

↓ 0509 GYROS OFF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

+-----VGR-----+

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

NOTES

[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (2313-0509)

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 13, 1999
317-318

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 11m 24s

1200 RTLT=21h 11m 32s

0000 RTLT=21h 11m 40s

VOYAGER 1

↓ 1952 SLEW->HELIO-15C

SLEW->HELIO-16C 0752 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 ----- 63 [D] ----- | 1150

1510 |----- 14 [D] -----| 1850

1925 |----- 24 [D] -----| 0210

DSN COVERAGE
HPTXR

32 ----- 42 [D] ----- | 1235

0100 |----- 43 [D] -----| 0610

HPTXR

RTLT : 16h 35m 52s

1200 RTLT=16h 36m 2s

0000 RTLT=16h 36m 14s

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

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 14, 1999
318-319

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 11m 40s

1200 RTLT=21h 11m 46s

0000 RTLT=21h 11m 54s

VOYAGER 1

↓ 1952 SLEW->HELIO-17C

SLEW->HELIO-18C 0752 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1145 |----- 65 [D] -----| 1520

63 [D] 0730 |-----

1610 |----- 24 [D] -----| 2045

DSN COVERAGE HPTXR

32

0920 |----- 42 [o] -----| 1230

2140 |----- 43 [D] -----| 0605

HPTXR

RTLT : 16h 36m 14s

1200 RTLT=16h 36m 24s

0000 RTLT=16h 36m 34s

--- COMMAND MORATORIUM --- | 1259

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 15, 1999
319-320

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 11m 54s

1200 RTLTL=21h 12m 0s

0000 RTLTL=21h 12m 8s

VOYAGER 1

↓ 1952 SLEW->HELIO-19C

SLEW->HELIO-20C 0752 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 ----- 63 [D] ----- | 1530

2015 |----- 24 [D] ----- | 0125

DSN COVERAGE HPTXR

32 |----- 42 [D] ----- | 0815 - 1225

2210 |----- 34 [D] ----- | 0145

HPTXR

RTLTL : 16h 36m 34s

1200 RTLTL=16h 36m 44s

0000 RTLTL=16h 36m 56s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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 NOVEMBER 16, 1999 320-321	
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	
RTLT : 21h 12m 8s VOYAGER 1 FDSL : 11AF CCSL : A033 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=21h 12m 14s 0000 RTLT=21h 12m 22s 0206 0207 PWS/RH ▼ 1810 DUMMY (15:22)
FDS MODE XB DATA RATE (MI)	CR-5T 160(32) CR-5T 160(32)
31	1500 ----- 14 ----- 2320 2300 ----- 24 [D] ----- 0155 65 [D] 0725 -----
DSN COVERAGE HPTXR 32	0900 ----- 42 [o] ----- 1225 2130 ----- 43 [D] ----- 0555 0640 42 [o] -----
HPTXR	1200 RTLT=16h 37m 6s 0000 RTLT=16h 37m 16s
RTLT : 16h 36m 56s VOYAGER 2 FDSL : 11AF CCSL : B105 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	0111 0112 PWS/RH 0123 ----- DTR MAINT ----- 0649 0225 PLSCAL - 0407 0225 ----- MAGCAL ----- 0527 0225 ----- PESCAL ----- 0545 TAPPOS 0651 -----
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 @ 0111 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 0206 XB=2.8K(41) NOT RECOVERABLE
UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8	

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 17, 1999
321-322

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 12m 22s

1200 RTLT=21h 12m 28s

0000 RTLT=21h 12m 36s

VOYAGER 1

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 --- 65 [D] --- | 1015

1455 | ----- 14 [D] ----- | 1855

2255 | ----- 24 [D] ----- | 0155

DSN COVERAGE
HPTXR

32 ----- 42 [o] ----- | 1220

2130 | ----- 43 [B] ----- | 0555

HPTXR

RTLT : 16h 37m 16s

1200 RTLT=16h 37m 26s

0000 RTLT=16h 37m 36s

VOYAGER 2

▼ 2212 DUMMY (BRACKETED 5MIN NO D/L)

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

TAPPOS | 0925

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

VOYAGER COVERAGE

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

NOTES

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 18, 1999
322-323

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLT : 21h 12m 36s

1200 RTLT=21h 12m 42s

0000 RTLT=21h 12m 48s

VOYAGER 1

FDSL : 11AF

CCSL : A033

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1945 |----- 24 [D] -----| 0150

DSN COVERAGE
HPTXR

32

|----- 42 [D] -----| 0845- 1215

2300 |----- 42 [D] -----| 0300 0600 |--- 42 [D] ---|

HPTXR

0245 |----- 43 [D] -----| 0550

RTLT : 16h 37m 36s

1200 RTLT=16h 37m 46s

0000 RTLT=16h 37m 56s

VOYAGER 2

FDSL : 11AF

CCSL : B105

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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 19, 1999
323-324

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 12m 48s

1200 RTLTL=21h 12m 56s

0000 RTLTL=21h 13m 2s

SLEW->HELIO-1B 0737 ↓

VOYAGER 1

FDSL : 11AF

U/L 2035 | - | - - - - - TLC SHORT-FORM - - - - -

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1230 | - - - - 63 [D] - - - - | 1500

2010 | - - - - - 24 [T] - - - - - | 0145

63 [D] 0725 | - - -

DSN COVERAGE
HPTXR

32

HPTXR

42 [D] - - - - - | 1210

0120 | - - - - - 43 [D] - - - - - | 0545
0525 | - - - - 42 [D] - - - -

RTLTL : 16h 37m 56s

1200 RTLTL=16h 38m 6s

0000 RTLTL=16h 38m 16s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 20, 1999
324-325

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 13m 2s

1200 RTLTL=21h 13m 8s

0000 RTLTL=21h 13m 14s

VOYAGER 1

↓ 1937 SLEW->HELIO-2B

SLEW->HELIO-3B 0737 ↓

FDSL : 11AF

----- TLC SHORT-FORM ----- + D/L -| 1916

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31

----- 63 [D] ----- | 1455

63 [D] 0705 |-----

1450 |----- 14 [D] ----- | 2305

2245 |----- 24 [D] ----- | 0140

HPTXR

DSN COVERAGE

32

----- 42 [D] ----- | 1205

0130 |----- 42 [o] -----

HPTXR

RTLTL : 16h 38m 16s

1200 RTLTL=16h 38m 28s

0000 RTLTL=16h 38m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

ISSUE DATE: 11/03/99 - 07:02

PST: 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
NOVEMBER 21, 1999
325-326

UTC: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8

RTLTL : 21h 13m 14s

1200 RTLTL=21h 13m 22s

0000 RTLTL=21h 13m 28s

VOYAGER 1

↓ 1937 SLEW->HELIO-4B

SLEW->HELIO-5B 0737 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31

63 [D] -----| 1345

1450 |----- 14 [D] -----| 1900

1830 |----- 25 [D] -----| 0155

DSN COVERAGE

HPTXR

32

42 [o] -----| 1205

2330 |----- 43 [D] -----| 0510

0530 |----- 42 [D] -----

HPTXR

RTLTL : 16h 38m 36s

1200 RTLTL=16h 38m 46s

0000 RTLTL=16h 38m 56s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8