

ISSUE DATE: 09/01/99 - 10:17

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  
SEPTEMBER 2, 1999  
245-246

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 46m 32s

1200 RTLT=20h 46m 44s

0000 RTLT=20h 46m 56s

VOYAGER 1

----- TLC SHORT-FORM -----| D/L -| 2045

FDSL : 11AF

S/C 31 STATUS

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -17.511 sec

ROLLREF = RIGIL  
KENTAURUS

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

1800 |----- 65 [D] -----| 2340

0015 - 0650 |----- 24 [D] -----|

HPTXR

DSN COVERAGE

32

----- 43 [D] -----| 1135

1420 |----- 34 [D] -----| 1835

43 [D] 0655 |

HPTXR

RTLT : 16h 8m 16s

1200 RTLT=16h 8m 26s

0000 RTLT=16h 8m 38s

VOYAGER 2

S/C 32 STATUS

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -01.030 sec

ROLLREF = VEGA

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: 09/01/99 - 10:17

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  
SEPTEMBER 3, 1999  
246-247

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 46m 56s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

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

1200 RTLT=20h 47m 8s 0000 RTLT=20h 47m 20s

31 2200 |----- 24 [D] -----| 0545

DSN COVERAGE HPTXR  
 32 ----- 43 [D] -----| 1545  
 1525 |----- 34 [D] -----| 1830  
 0235 |----- 43 -----|

HPTXR

RTLT : 16h 8m 38s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B104  
 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 -----

1200 RTLT=16h 8m 48s 0000 RTLT=16h 8m 58s

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: 09/01/99 - 10:17

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  
SEPTEMBER 4, 1999  
247-248

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 47m 20s

1200 RTLT=20h 47m 32s

0000 RTLT=20h 47m 44s

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

1755 |----- 65 [D] -----| 2340

DSN COVERAGE  
HPTXR

32

0215 |----- 43 [D] -----|

1430 |----- 34 [o] -----| 1825

----- 43 -----| 1400

HPTXR

RTLT : 16h 8m 58s

1200 RTLT=16h 9m 8s

0000 RTLT=16h 9m 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: 09/01/99 - 10:17

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  
SEPTEMBER 5, 1999  
248-249

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 47m 44s

1200 RTLT=20h 47m 56s

0000 RTLT=20h 48m 6s

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

1755 |-----65 [D]-----| 2115

2055 |-----14 [D]-----| 0345

DSN COVERAGE  
HPTXR

32

-----43 [D]-----| 1125

1415 |-----34 [D]-----| 1820

0435 |---43 [D]---

HPTXR

RTLT : 16h 9m 20s

1200 RTLT=16h 9m 30s

0000 RTLT=16h 9m 40s

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: 09/01/99 - 10:17

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  
SEPTEMBER 6, 1999  
249-250

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 48m 6s

1200 RTLTL=20h 48m 18s

0000 RTLTL=20h 48m 30s

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

2035 |----- 24 [D] -----| 2345

2330 |----- 14 [D] -----| 0330

0310 - 0635 |----- 24 [D] -----|

DSN COVERAGE HPTXR

32

43 [D] | 0820

43 [D] 0630 |

0810 |----- 34 [D] -----| 1140

1120 |----- 42 [O] -----| 1705

HPTXR

RTLTL : 16h 9m 40s

1200 RTLTL=16h 9m 52s

0000 RTLTL=16h 10m 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

**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: 09/01/99 - 10:17

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  
SEPTEMBER 7, 1999  
250-251

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 48m 30s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLTL=20h 48m 42s  
0000 RTLTL=20h 48m 54s

0930 | 0931 PWS/RH  
▼ 2215 DUMMY (19:14)  
U/L 0250 | - | - TLC (SHORT-FORM) - -

0931 GS-4B 0931

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

DSN COVERAGE

31	1340  ----- 54 [D] -----  2210 0055  ----- 14 -----  0345
HPTXR	2150  ----- 24 -----  0115 0325- 0630  ----- 24 [D] -----
32	43 [D]   0800 0205  ----- 43 [D] -----
HPTXR	----- 42 [D] -----  0740- 1410

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

1200 RTLTL=16h 10m 14s  
0000 RTLTL=16h 10m 24s

0834 | 0835 PWS/RH  
COMMAND MORATORIUM  
TAPPOS 0413 |----- 0524  
BAY 1 HTR OFF 0557 ↓  
X/B HI POWER 0601 ↓  
YAW=.05 0657 ↓

0834 GS-4B 0835

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

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

NOTES  
[1] S/C 32=GS-4B @ 0834 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 0931 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: 09/01/99 - 10:17

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  
SEPTEMBER 8, 1999  
251-252

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 48m 54s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF  
TLC (SHORT-FORM) | D/L -| 0107  
FDS MODE CR-5T  
XB DATA RATE (MI) 160(32)

31 1735 |----- 54 [D] -----| 2105  
2045 |----- 14 [D] -----| 0345  
0325- 0625 |----- 24 [D] -----|  
DSN COVERAGE HPTXR  
32 |----- 43 [D] -----| 1410  
1350 |----- 45 [D] -----| 1830  
42 [D] 0605 |-----|  
HPTXR

RTLT : 16h 10m 24s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B104  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .05 / .25  
GYROS : OFF  
COMMAND MORATORIUM  
PLAYBACK |----- 0706 - 1341  
↓ 1356 YAW=.10  
0529 | TAPPOS |  
FDS MODE 0706 1341  
XB DATA RATE (MI) PB-14 1.4K(39) CR-5T 160(32)  
VOYAGER COVERAGE VGR |----- ON CALL -----|

NOTES [1] S/C 32=CR-5T @ 0835 XB=160(32)

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: 09/01/99 - 10:17

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  
SEPTEMBER 9, 1999  
252-253

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 49m 18s

1200 RTLT=20h 49m 30s

0000 RTLT=20h 49m 42s

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

1710 |-----| 65 [D] |-----| 2045

2025 - 0625 |-----| 24 [D] |-----|

DSN COVERAGE HPTXR

32

-----| 42 [D] |-----| 1655

0155 |-----| 43 [D] |-----|

HPTXR

RTLT : 16h 10m 46s

1200 RTLT=16h 10m 56s

0000 RTLT=16h 11m 8s

VOYAGER 2

FDSL : 11AF

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

-----| COMMAND MORATORIUM |-----|

GYROS BC ON 0615 ↓  
GYRO INIT 0616 ↓  
GYRO FAULT TEST 0625 ↓

---| 0740 TAPPOS

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

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: 09/01/99 - 10:17

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  
SEPTEMBER 10, 1999  
253-254

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 49m 42s

1200 RTLT=20h 49m 54s

0000 RTLT=20h 50m 6s

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

1720 |-----54 [D]-----| 2210

2330 |-----14 [D]-----| 0335

0315 - 0620 |-----24 [D]-----|

DSN COVERAGE HPTXR

32

0750 43 [D]

0600 |43 [D]

|-----42 [D]-----| 0730 - 1650

HPTXR

RTLT : 16h 11m 8s

1200 RTLT=16h 11m 18s

0000 RTLT=16h 11m 30s

VOYAGER 2

FDSL : 11AF

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

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: 09/01/99 - 10:17

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  
SEPTEMBER 11, 1999  
254-255

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 50m 6s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

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

1200 RTLT=20h 50m 18s 0000 RTLT=20h 50m 30s

31  
 DSN COVERAGE HPTXR  
 1915 |----- 14 [D] -----| 0325  
 0305 - 0615 |----- 24 [D] -----|

32  
 HPTXR  
 0745 43 [D] |----- 42 [D] -----| 0730 - 1645  
 42 [o] 0620 |-----

RTLT : 16h 11m 30s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B104  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05/ .10 / .25  
 GYROS : ON

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

VOYAGER COVERAGE  
 ON CALL

1200 RTLT=16h 11m 42s 0000 RTLT=16h 11m 52s  
 COMMAND MORATORIUM 1404

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: 09/01/99 - 10:17

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  
SEPTEMBER 12, 1999  
255-256

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 50m 30s  
 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)

1200 RTLT=20h 50m 42s      0000 RTLT=20h 50m 54s

31  
 1325 |----- 54 [D] -----| 1945  
 2000 |----- 14 [D] -----| 0310

HPTXR  
 DSN COVERAGE

32  
 ----- 42 [o] ----- | 1640  
 0200 |----- 45 [D] -----

HPTXR

RTLT : 16h 11m 52s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B104  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05/ .10 / .25  
 GYROS : ON

FDS MODE  
 XB DATA RATE (MI)

CR-5T  
 160(32)

1200 RTLT=16h 12m 4s      0000 RTLT=16h 12m 14s

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: 09/01/99 - 10:17

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  
SEPTEMBER 13, 1999  
256-257

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 50m 54s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

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

31 1220 |----- 63 [D] -----| 1945  
 2330 |----- 14 [D] -----| 0340  
 0320 |----- 24 [D] -----| 0605

DSN COVERAGE HPTXR  
 32 ----- 45 [D] -----| 1005  
 1420 |----- 34 [o] -----| 1750  
 43 [B] 0645 |-----

HPTXR

RTLTL : 16h 12m 14s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B104  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05/ .10 / .25  
 GYROS : ON

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: 09/01/99 - 10:17

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  
SEPTEMBER 14, 1999  
257-258

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 51m 18s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLT=20h 51m 28s  
0000 RTLT=20h 51m 40s

↓ 1700 GYRO INIT  
↓ 1700 GYRO BC ON  
↓ 1710 GYRO FAULT TEST

TLC (SHORT-FORM) | -  
0123 | PLSCAL - | 0306  
0123 | --- MAGCAL --- | 0426  
0123 | --- PESCAL --- | 0443  
PWS/RH 0532 | 0533  
U/L 0610 | - |  
0532  
GS-4B 0533

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

DSN COVERAGE

31	1555  ----- 63 [D] -----  1955	2305  ----- 14 [T] -----
		2005  ----- 24 [D] -----  2320
32	1025  ----- 42 [D] -----  1345	0545   42 [o]

HPTXR

RTLT : 16h 12m 36s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B104  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10 / .25  
GYROS : ON

1200 RTLT=16h 12m 48s  
0000 RTLT=16h 13m 0s

↓ 0732 ALL DB=.05  
↓ 0748 AAI  
0749 | - | 0826 ASCAL  
↓ 0823 RAI  
↓ 0826 CRU  
↓ 0834 ROLL=.25  
↓ 0834 YAW=.10  
↓ 0836 GYRO FAULT TEST  
▼ 1007 DUMMY (BRACKETED 5MIN NO D/L)

0435 | 0436 PWS/RH  
0435  
GS-4B 0436

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

VOYAGER COVERAGE

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

NOTES

[1] S/C 32=CR-5T @ 0717 XB=  
[2] S/C 32 - D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (0749-0826)  
[3] S/C 32=GS-4B @ 0435 XB=2.8K(41) NOT RECOVERABLE  
[4] S/C 31=GS-4B @ 0532 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: 09/01/99 - 10:17

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  
SEPTEMBER 15, 1999  
258-259

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 51m 40s

1200 RTLTL=20h 51m 52s

0000 RTLTL=20h 52m 4s

VOYAGER 1

----- TLC (SHORT-FORM) ----- + D/L -| 0430

FDSL : 11AF

▼ 2200 DUMMY (18:52)

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 | 0705 14 [T] |-----| 1040 |-----| 2130 |-----| 24 |-----| 0245 - 0700 |-----| 14 [D] |-----|  
----- 43 [D] ----- |-----| 1210 |--- 65 [D] --- | 1420 |-----| 0305

DSN COVERAGE  
HPTXR

32 |-----| 42 [o] |-----| 1430 |-----| 0210 |-----| 43 [D] |-----|  
----- 1410 |-----| 45 [D] ----- | 1755

HPTXR

RTLTL : 16h 13m 0s

1200 RTLTL=16h 13m 10s

0000 RTLTL=16h 13m 22s

VOYAGER 2

FDSL : 11AF

CCSL : B104  
TWNC : ON  
SB : OFF XB : HI  
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: 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: 09/01/99 - 10:17

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  
SEPTEMBER 16, 1999  
259-260

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 52m 4s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : ON

1200 RTLT=20h 52m 16s  
 0000 RTLT=20h 52m 28s

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

31 0700 14 [D]  
 1535 |----- 63 [D] -----| 1935  
 2130 |----- 24 [D] -----| 0555

DSN COVERAGE HPTXR  
 32 ----- 43 [D] -----| 1035  
 1015 |----- 42 [o] -----| 1625  
 0130 |----- 43 [D] -----|

HPTXR

RTLT : 16h 13m 22s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B104  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05 / .10 / .25  
 GYROS : ON

1200 RTLT=16h 13m 34s  
 0000 RTLT=16h 13m 44s  
 2141 |----- COMMAND MORATORIUM -----|

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: 09/01/99 - 10:17

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  
SEPTEMBER 17, 1999  
260-261

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 52m 28s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : ON

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

31 2325 |----- 24 [D] -----| 0550

DSN COVERAGE HPTXR

32 ----- 43 [D] ----- | 1030  
1010 |----- 34 [D] ----- | 1735  
0125 |----- 43 [D] -----

HPTXR

RTLT : 16h 13m 44s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B104  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05 / .10 / .25  
 GYROS : ON

1200 RTLT=16h 13m 56s  
 0000 RTLT=16h 14m 8s

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

↓ 0727 AAI  
 |----- MAGROL ----- | 0730 - 1325  
 ↓ 1318 RAI  
 ↓ 1325 CRU  
 ↓ 1325 GYROS OFF

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

VOYAGER COVERAGE

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

NOTES

[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0730-1325)

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: 09/01/99 - 10:17

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  
SEPTEMBER 18, 1999  
261-262

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 52m 52s

1200 RTLT=20h 53m 4s

0000 RTLT=20h 53m 14s

VOYAGER 1

↓ 1801 GYRO INIT

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

1420 |----- 63 [D] -----| 1940

1935 |----- 25 [D] -----| 0605

DSN COVERAGE HPTXR

32

43 [D] | 0805

|----- 42 [D] -----| 0745 - 1330

0545 | 42 [D] |

HPTXR

RTLT : 16h 14m 8s

1200 RTLT=16h 14m 20s

0000 RTLT=16h 14m 30s

COMMAND MORATORIUM -----| 2111

VOYAGER 2

FDSL : 11AF

CCSL : B104  
TWNC : ON  
SB : OFF XB : HI  
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: 09/01/99 - 10:17

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  
SEPTEMBER 19, 1999  
262-263

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 53m 14s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

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

DSN COVERAGE HPTXR  
31 1110 |----- 63 [D] -----| 1435  
1900 |--- 54 [D] ---| 2135  
0000 |----- 24 [D] -----| 0545  
32 ----- 42 [D] -----| 1425  
1405 |----- 45 [D] -----| 1745  
42 [D] 0630 |-----

HPTXR

RTLT : 16h 14m 30s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B104  
TWNC : ON  
SB : OFF XB : HI  
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