

ISSUE DATE: 09/04/02 - 09:01

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 5, 2002  
248-249

# 25th Anniversary of Voyager 1 Launch, 1977-248/12:56:01 UTC

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 47m 24s

1200 RTLT=23h 47m 36s

0000 RTLT=23h 47m 48s

VOYAGER 1

FDSL : 11AF

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

S/C 31 STATUS

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -23.410 sec

ROLLREF = RIGIL  
KENTAURUS

↓ 2054 SLEW->HELIO-1B

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

31 --- 43 [D] --- | 0700 - 0920

1600 |----- 63 [D] -----| 0005

2345 - 0635 |----- 25 [D] -----|

DSN COVERAGE  
HPTXR

32 --- 34 [D] --- | 0920

1320 |----- 34 [D] -----| 1825

0535 | 34 [D] |

HPTXR

RTLT : 18h 43m 30s

1200 RTLT=18h 43m 42s

0000 RTLT=18h 43m 52s

VOYAGER 2

FDSL : 11AF

CCSL : B117  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10/ .25  
GYROS : AC ON

S/C 32 STATUS

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -2:03.283 min

ROLLREF = VEGA

GYRO FAULT TEST STOP 0605 ↓

GYRO INIT 0620 ↓

GYROS BC ON 0620 ↓

GYRO FAULT TEST 0630 ↓

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

--- COMMAND MORATORIUM --- | 1122  
1206 |----- COMMAND MORATORIUM -----

--- | 0745 TAPPOS

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: 09/04/02 - 09:01

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 6, 2002  
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 : 23h 47m 48s

1200 RTLTL=23h 47m 58s 0000 RTLTL=23h 48m 10s

VOYAGER 1

1548 | 1549 PWS/RH

↓ 2055 SLEW->HELIO-2B

FDSL : 11AF

1246 | 1259 TAPPOS

1755 | 1756 TAPPOS

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

1548  
GS-4B 1549

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

CR-5T  
160(32)

31

1435 |----- 65 [D] -----| 2320

0420 |--- 45 [D] ---|

0815 |----- 45 [D] -----| 1145

2330 |----- 25 [D] -----| 0440

DSN COVERAGE  
HPTXR

32

----- 34 [D] -----| 1815

HPTXR

RTLTL : 18h 43m 52s

1200 RTLTL=18h 44m 2s

0000 RTLTL=18h 44m 14s

VOYAGER 2

--- COMMAND MORATORIUM ---| 1136

FDSL : 11AF

| 0721 - 0727 CCSTIM(B)

CCSL : B117  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10/ .25  
GYROS : BC ON

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 31=GS-4B @ 1548 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: 09/04/02 - 09:01

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 7, 2002  
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

RTLT : 23h 48m 10s

1200 RTLT=23h 48m 22s

0000 RTLT=23h 48m 34s

↓ 2055 SLEW->HELIO-3B

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 ----- 45 [D] ----- | 1000

1830 |----- 63 [D] -----| 0000

2340- 0640 |----- 15 [D] -----|

HPTXR  
DSN COVERAGE

32 |----- 43 [o] -----| 0705- 1500

HPTXR

RTLT : 18h 44m 14s

1200 RTLT=18h 44m 24s

0000 RTLT=18h 44m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B117  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10/ .25  
GYROS : BC 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: 09/04/02 - 09:01

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 8, 2002  
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 : 23h 48m 34s

1200 RTLT=23h 48m 46s

0000 RTLT=23h 48m 58s

↓ 2055 SLEW->HELIO-4B

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

1805 |----- 65 [D] -----| 2105

0525 |-- 34 [D] --|

HPTXR

2045 |----- 15 [D] -----| 0545

DSN COVERAGE

32

----- 43 [o] -----| 0715- 1500

45 [D] 0700

HPTXR

1200 RTLT=18h 44m 46s

0000 RTLT=18h 44m 56s

RTLT : 18h 44m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B117  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10/ .25  
GYROS : BC 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: 09/04/02 - 09:01

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 9, 2002  
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 : 23h 48m 58s

1200 RTLT=23h 49m 10s

0000 RTLT=23h 49m 22s

↓ 2055 SLEW->HELIO-5B

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 ----- 34 [D] ----- | 1025

1800 |----- 54 [D] ----- | 2155

2135 - 0635 |----- 15 [D] ----- |

DSN COVERAGE  
HPTXR

32 ----- 45 [D] ----- | 0700 - 1825

43 [B] 0645 |

HPTXR

RTLT : 18h 44m 56s

1200 RTLT=18h 45m 6s

0000 RTLT=18h 45m 18s

VOYAGER 2

FDSL : 11AF

CCSL : B117  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10/ .25  
GYROS : BC ON

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: 09/04/02 - 09:01

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 10, 2002  
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

RTLTL : 23h 49m 22s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A044  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

↓ 2055 SLEW->HELIO-6B  
0116 | PLSCAL -| 0259  
0116 | --- MAGCAL ---| 0419  
0116 | --- PESCAL ---| 0436

FDS MODE  
XB DATA RATE (MI)

	CR-5T
	160(32)

31  
DSN COVERAGE HPTXR  
1420 |----- 65 [D]-----| 2300  
2240 - 0635 |----- 15 [D]-----|

32  
HPTXR  
----- 43 [B]-----| 1845

RTLTL : 18h 45m 18s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B117  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10/ .25  
GYROS : BC ON

↓ 0736 ALL DB=.05  
↓ 0752 AAI  
0753 |---| 0830 ASCAL  
↓ 0828 RAI  
↓ 0830 CRU  
↓ 0839 ROLL=.25  
↓ 0839 YAW=.10  
↓ 0840 GYRO FAULT TEST

▼ 1542 DUMMY (5 MIN BRACKETED 10:28)

FDS MODE  
XB DATA RATE (MI)

0721	0833		CR-5T
	EL-40		160(32)
	40(30)		

VOYAGER COVERAGE --- VGR --- +----- ON CALL -----+ --- VGR --- +----- ON CALL -----+ ON CALL

NOTES  
[1] S/C 32=CR-5T @ 0721 XB=  
[2] S/C 32 - D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (0753-0830)

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: 09/04/02 - 09:01

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 11, 2002  
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 : 23h 49m 46s

1200 RTLT=23h 49m 58s

0000 RTLT=23h 50m 10s

VOYAGER 1

U/L 2020 |-----| TLC (SHORT-FORM) -----

FDSL : 11AF

↓ 2056 SLEW->HELIO-7B

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

▼ 1945 DUMMY (19:35)

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1820

63 [T]

2340

0600 45 [D]

1520 |-----| 65 [D] -----| 1840

2320 - 0620 |-----| 15 [D] -----|

DSN COVERAGE  
HPTXR

32

0900 |-----| 45 [D] -----| 1420

0515 |-----| 34 [D] -----|

1400 |-----| 34 [D] -----| 1800

HPTXR

RTLT : 18h 45m 40s

1200 RTLT=18h 45m 50s

0000 RTLT=18h 46m 2s

VOYAGER 2

FDSL : 11AF

CCSL : B117  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : BC 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: 09/04/02 - 09:01

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 12, 2002  
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 : 23h 50m 10s

1200 RTLT=23h 50m 22s

0000 RTLT=23h 50m 34s

VOYAGER 1

----- TLC (SHORT-FORM) ----- | D/L -| 2138

FDSL : 11AF

↓ 2056 SLEW->HELIO-8B

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 ----- 45 [D] ----- | 1040

1715 | ----- 54 [D] ----- | 2140

0540 | 34 [D] | -

2130 | ----- 15 [D] ----- | 0600

DSN COVERAGE  
HPTXR

32 ----- 34 [D] ----- | 1040

1410 | ----- 34 [D] ----- | 1800

43 0650 | -

HPTXR

RTLT : 18h 46m 2s

1200 RTLT=18h 46m 12s

1913 | ----- COMMAND MORATORIUM -----

0000 RTLT=18h 46m 24s

VOYAGER 2

FDSL : 11AF

CCSL : B117  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : BC 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: 09/04/02 - 09:01

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 13, 2002  
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

RTLT : 23h 50m 34s

1200 RTLT=23h 50m 46s

0000 RTLT=23h 50m 58s

↓ 2056 SLEW->HELIO-9B

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 ----- 34 [D] ----- | 1010

1805 |----- 63 [D] -----| 2335

2315 - 0615 |----- 15 [D] ----- 45 [D] 0640 |-----

DSN COVERAGE HPTXR

32 ----- 43 ----- | 1700

0525 |----- 34 [O] -----

HPTXR

RTLT : 18h 46m 24s

1200 RTLT=18h 46m 34s

0000 RTLT=18h 46m 46s

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

VOYAGER 2

↓ 0731 AAI

|----- MAGROL -----| 0734 - 1330

FDSL : 11AF

↓ 1322 RAI

↓ 1330 CRU

↓ 1330 GYROS OFF

CCSL : B117  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : BC ON

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0734-1330)

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: 09/04/02 - 09:01

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 14, 2002  
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 : 23h 50m 58s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A044  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=23h 51m 10s  
 0000 RTLT=23h 51m 20s

↓ 2056 SLEW->HELIO-10B

FDS MODE  
 XB DATA RATE (MI)

CR-5T  
 160(32)

31 1545 |----- 65 [D] -----| 2135 0515 |-- 34 [D] --|  
 ----- 45 [D] -----| 1110 2115 |----- 25 [D] -----| 0535

DSN COVERAGE HPTXR  
 32 ----- 34 [o] -----| 1750 43 [D] 0655 |

HPTXR

RTLT : 18h 46m 46s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B117  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLT=18h 46m 56s  
 0000 RTLT=18h 47m 8s

----- COMMAND MORATORIUM -----| 1843

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: 09/04/02 - 09:01

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 15, 2002  
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 : 23h 51m 20s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A044  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

↓ 2056 SLEW->MIDPNT

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

DSN COVERAGE HPTXR  
 31 ----- 34 [D] ----- | 1005  
 1420 |----- 65 [D] -----| 1820  
 1800 |----- 63 [D] -----| 2325  
 2305 |----- 15 [D] -----| 0305

HPTXR  
 32 ----- 43 [D] ----- | 1330  
 1310 |----- 34 [D] -----| 1745  
 45 [D] 0650 |

RTLTL : 18h 47m 8s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B117  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLTL=18h 47m 18s  
 0000 RTLTL=18h 47m 30s

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: 09/04/02 - 09:01

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 16, 2002  
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 : 23h 51m 44s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A044  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=23h 51m 56s  
 0000 RTLT=23h 52m 8s  
 ↓ 2057 SLEW->HELIO-11B

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

31 1425 |----- 65 [D] -----| 2235 0125 |----- 15 [D] -----| 0605  
 HPTXR  
 DSN COVERAGE  
 32 1215 |----- 34 [o] -----| 1740 43 [B] 0645 |  
 HPTXR  
 45 [D] -----| 1235

RTLT : 18h 47m 30s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B117  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLT=18h 47m 42s  
 0000 RTLT=18h 47m 52s

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: 09/04/02 - 09:01

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 17, 2002  
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 : 23h 52m 8s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A044  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLT=23h 52m 20s  
0000 RTLT=23h 52m 32s

U/L 1945 | - | - - - - - TLC (SHORT-FORM) - - - - -  
↓ 2057 SLEW->HELIO-12B  
PWS/RH 0638 - 0639 |

▼ 1900 DUMMY (18:53)

0639  
0639 CR-5T  
GS-4B

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31  
DSN COVERAGE HPTXR  
1810 | - - - - - 63 [T] - - - - - 2320  
2300 | - - - - - 25 [D] - - - - - 0550

32  
HPTXR  
43 [B] - - - - - 1655  
0505 | - - - - - 34 [D] - - - - -

RTLT : 18h 47m 52s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B117  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : OFF

1200 RTLT=18h 48m 4s  
0000 RTLT=18h 48m 14s

1946 | - - - - - COMMAND MORATORIUM - - - - -  
PWS/RH 0529 | 0530

▼ 1537 DUMMY (5 MIN BRACKETED 10:26)

0529  
GS-4B  
0530

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

VOYAGER COVERAGE - - - - - ON CALL - - - - - VGR - - - - - on call + - - - - - VGR - - - - - ON CALL - - - - -

NOTES  
[1] S/C 32=GS-4B @ 0529 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=CR-5T @ 0639 XB=160(32)  
[3] S/C 31=GS-4B @ 0639 XB=2.8K(41) NOT RECOVERABLE  
[4] S/C 31=GS-4B @ 0639 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: 09/04/02 - 09:01

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 18, 2002  
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 : 23h 52m 32s | 1200 RTLT=23h 52m 44s | 0000 RTLT=23h 52m 54s

VOYAGER 1 ----- TLC (SHORT-FORM) ----- | D/L -| 2106

FDSL : 11AF | 2057 SLEW->HELIO-13B

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 | 1555 |----- 65 [D] -----| 2235 | 2215 |----- 15 [D] -----| 0600

DSN COVERAGE HPTXR

32 |----- 34 [D] -----| 1445 | 0510 |----- 34 [D] -----

HPTXR

RTLT : 18h 48m 14s | 1200 RTLT=18h 48m 26s | 0000 RTLT=18h 48m 38s

VOYAGER 2 ----- COMMAND MORATORIUM -----  
| 1404 X/B LOW POWER  
| 1408 BAY 1 HTR ON

FDSL : 11AF

CCSL : B117  
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 ----- | 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: 09/04/02 - 09:01

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 19, 2002  
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 : 23h 52m 54s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A044  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=23h 53m 6s  
 0000 RTLT=23h 53m 18s

↓ 2057 SLEW->HELIO-14B

FDS MODE  
 XB DATA RATE (MI)

CR-5T  
 160(32)

31 1750 |----- 63 [D] -----| 2315 0545 | 34 [D] |  
 2255 |----- 25 [D] -----| 0530

DSN COVERAGE HPTXR

32 |----- 34 [D] -----| 1550 43 [D] 0650 |

HPTXR

RTLT : 18h 48m 38s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B117  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLT=18h 48m 48s  
 0000 RTLT=18h 49m 0s

COMMAND MORATORIUM -----| 1919

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: 09/04/02 - 09:01

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 20, 2002  
263-264

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 53m 18s

1200 RTLT=23h 53m 30s

0000 RTLT=23h 53m 42s

↓ 2057 SLEW->HELIO-15B

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 --- 34 [D] --- 0945

1745 |----- 63 [D] -----| 2305

45 [D] 0610 |-----

2245 |----- 15 [D] -----| 0550

DSN COVERAGE  
HPTXR

32 ----- 43 [D] ----- | 1810

0500 |--- 34 [D] ---

HPTXR

RTLT : 18h 49m 0s

1200 RTLT=18h 49m 12s

0000 RTLT=18h 49m 22s

VOYAGER 2

FDSL : 11AF

CCSL : B117  
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: 09/04/02 - 09:01

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 21, 2002  
264-265

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 53m 42s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A044  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLTL=23h 53m 54s | 0000 RTLTL=23h 54m 4s

1239 || 1240 PWS/RH  
↓ 2058 SLEW->HELIO-16B

0937 | 0950 TAPPOS | 1446 | 1447 TAPPOS

1239 GS-4B 1240

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

31 ----- 45 [D] ----- | 1040 | 1745 |----- 63 [D] ----- | 2300 | 2240 |----- 25 [D] ----- | 0530

DSN COVERAGE HPTXR

32 ----- 34 [D] ----- | 1720 | 0510 |----- 34 [D] -----

HPTXR

RTLTL : 18h 49m 22s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B117  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05 / .10 / .25  
GYROS : OFF

1200 RTLTL=18h 49m 34s | 0000 RTLTL=18h 49m 46s

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

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

NOTES [1] S/C 31=GS-4B @ 1239 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: 09/04/02 - 09:01

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 22, 2002  
265-266

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 54m 4s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A044  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=23h 54m 16s  
 0000 RTLT=23h 54m 28s

↓ 2058 SLEW->HELIO-17B

FDS MODE  
 XB DATA RATE (MI)

CR-5T  
 160(32)

31  
 DSN COVERAGE HPTXR  
 1745 |----- 63 [D] -----| 2130  
 1420 |----- 65 [D] -----| 1805  
 2110 |----- 25 [D] -----| 0530  
 32  
 HPTXR  
 ----- 34 [D] -----| 1715  
 43 [D] 0650 |

RTLT : 18h 49m 46s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B117  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 / .10 / .25  
 GYROS : OFF

1200 RTLT=18h 49m 58s  
 0000 RTLT=18h 50m 8s

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