

VOYAGER

Space Flight Operations Schedule (SFOS)

Issue Date: September 10, 2003

For the Period: 09/11/03 to 09/28/03 (03-254 - 03-271)

Revised on: September 15, 2003

Distribution: Voyager Ace (1)

The following Pages were changed: September 16, 2003 SC 32 = 03-259/14:25 DSS 34[o] 03-259/17:30 (Changed to 34[D])

LEGEND:

- ∇ = R/T Command (Last chance or Contingency)
- ▼ = R/T Command (Scheduled)
- * = Result of R/T Command
- n = (where n = 1,2,3 ..) Special Note, see bottom of page
- D = Downlink only pass
- A = Arrayed station
- U = Uplink only pass
- B = BLF
- [o] = Ramp-through
- H = High Power Transmitter
- T = TLC Uplink

*Electronic Copy Only
(1 – Dist/N: Paper Copies)
9/17/03

ISSUE DATE: 09/15/03 - 10:53

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 11, 2003
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

RTLTL : 24h 49m 28s

1200 RTLTL=24h 49m 40s

0000 RTLTL=24h 49m 52s

VOYAGER 1

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : BC ON

| |
|--|
| S/C 31 STATUS |
| FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -22.768 sec |
| ROLLREF = RIGIL KENTAURUS |

↓ 1630 AAI
1633 |----- MAGROL -----| 2229
↓ 2221 RAI
↓ 2229 CRU
↓ 2229 GYROS OFF
↓ 2300 X/B LOW POWER
↓ 2304 BAY 1 HTR ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31

1550 |----- 63 [D,2] -----| 2355

2335 |----- 26 [D] -----| 0240

DSN COVERAGE
HPTXR

32

----- 34 [0] ----- | 1745

0220 |----- 45 [D] -----

HPTXR

RTLTL : 19h 37m 22s

1200 RTLTL=19h 37m 32s

0000 RTLTL=19h 37m 44s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05/ .10/ .25
GYROS : AC ON

| |
|--|
| S/C 32 STATUS |
| FDS CLOCK DRIFT: ADD TO S/C EVENT ERT: -2:47.633 min |
| ROLLREF = VEGA |

1203 |----- COMMAND MORATORIUM -----| 1119

TAPPOS | 0836

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 (1633-2229)
[2] DUAL TLM STREAM SUPPORT

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: 09/15/03 - 10:53

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 12, 2003
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

RTLTL : 24h 49m 52s

1200 RTLTL=24h 50m 4s

0000 RTLTL=24h 50m 16s

VOYAGER 1

1643 | 1644 PWS/RH

U/L 2300 | - - - - - TLC (SHORT-FORM) - - - - -

FDSL : 11AF

1341 | - TAPPOS - | 1532

1851 | TAPPOS | 2028

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

▼ 2130 DUMMY (22:20)

1643
GS-4B 1644

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

CR-5T
160(32)

31

1500 | - - - - - 63 [D] - - - - - | 1945

1940 | - - - - - 14 [T] - - - - - | 0105

0305 | - - - - - 43 [D] - - - - -

DSN COVERAGE
HPTXR

32

- - - - - 45 [D] - - - - - | 1005

0315 | - - - - - 45 [D] - - - - -

HPTXR

RTLTL : 19h 37m 44s

1200 RTLTL=19h 37m 54s

0000 RTLTL=19h 38m 6s

VOYAGER 2

- - - - - COMMAND MORATORIUM - - - - - | 1153

- ↓ 0711 GYRO INIT
- ↓ 0711 GYROS BC ON
- ↓ 0721 GYRO FAULT TEST

FDSL : 11AF

↓ 0701 GYRO FAULT TEST STOP

CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05/ .10/ .25
GYROS : AC ON

0811 | 0818 CCSTIM(B)

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

VOYAGER COVERAGE

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

NOTES

[1] S/C 31=GS-4B @ 1643 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: 09/15/03 - 10:53

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 13, 2003
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 : 24h 50m 16s

1200 RTLTL=24h 50m 28s

0000 RTLTL=24h 50m 40s

VOYAGER 1

TLC (SHORT-FORM)

D/L -|0118

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31 ---|0735 43 [D]

1605 |----- 54 [D] -----|2120

0300 |----- 43 [D] -----

2100 |----- 26 [D] -----|0320

DSN COVERAGE
HPTXR

32 ----- 45 [D] -----|1000

1525 |---- 45 [D] ----|1810

0530 | - 34 [o] -

HPTXR

RTLTL : 19h 38m 6s

1200 RTLTL=19h 38m 16s

0000 RTLTL=19h 38m 28s

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
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: 09/15/03 - 10:53

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 14, 2003
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

RTLTL : 24h 50m 40s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

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

1200 RTLTL=24h 50m 52s 0000 RTLTL=24h 51m 4s

31 43 [D] | 0810 1500 |----- 54 [D] -----| 2045 0530 | 34 [D] |

HPTXR 2025 |----- 15 [D] -----| 0515

DSN COVERAGE 32 ----- 34 [o] ----- | 1740 0300 |----- 45 [D] -----

HPTXR

RTLTL : 19h 38m 28s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : HIGH
 PYR : .05/ .10/ .25
 GYROS : BC ON

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

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

1200 RTLTL=19h 38m 38s 0000 RTLTL=19h 38m 50s

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: 09/15/03 - 10:53

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 15, 2003
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

RTLT : 24h 51m 4s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

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

1200 RTLT=24h 51m 16s 0000 RTLT=24h 51m 28s

DSN COVERAGE HPTXR
 31 --- 34 [D] --- 0930 1940 |----- 15 [D] -----| 0135 0545 | 45 [D] |
 HPTXR
 32 ----- 45 [D] ----- | 1800 43 [B,1] 0615 |---
 HPTXR 0200 |----- 45 [D] -----| 0500

RTLT : 19h 38m 50s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : HIGH
 PYR : .05/ .10/ .25
 GYROS : BC ON

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

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

1200 RTLT=19h 39m 0s 0000 RTLT=19h 39m 12s

NOTES [1] DUAL TLM STREAM SUPPORT

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: 09/15/03 - 10:53

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 16, 2003
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

RTLTL : 24h 51m 28s
VOYAGER 1
FDSL : 11AF
CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=24h 51m 38s
0000 RTLTL=24h 51m 50s

0235 | PLSCAL - | 0418
0235 | --- MAGCAL --- | 0538
0235 | --- PESCAL --- | 0555
PWS/RH 0644- 0645 |

0645
0644 CR-5T
GS-4B

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

31 --- 45 [D] --- | 0950
1455 | - - 63 [D] - - | 1655
2225 | - - - - - 25 [D] - - - - - | 0605

DSN COVERAGE HPTXR

32 --- 43 [B,1] --- | 1145
1425 | - - - - 34 [D] - - - - | 1730

HPTXR

RTLTL : 19h 39m 12s
VOYAGER 2
FDSL : 11AF
CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05/ .10/ .25
GYROS : BC ON

1200 RTLTL=19h 39m 24s
0000 RTLTL=19h 39m 34s

↓ 0827 ALL DB=.05
↓ 0843 AAI
0844 | - - | 0921 ASCAL
↓ 0918 RAI
↓ 0921 CRU
↓ 0930 ROLL=.25
↓ 0930 YAW=.10
↓ 0931 GYRO FAULT TEST
▼ 1012 DUMMY (5 MIN BRACKETED 05:52)

PWS/RH 0531 | 0531

0531
GS-4B
0531

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

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

NOTES

[1] DUAL TLM STREAM SUPPORT
[2] S/C 32 - D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (0844-0921)
[3] S/C 32=GS-4B @ 0531 XB=2.8K(41) NOT RECOVERABLE
[4] S/C 31=GS-4B @ 0644 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: 09/15/03 - 10:53

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 17, 2003
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 : 24h 51m 50s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

▼ 1530 DUMMY (16:22)

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

1200 RTLT=24h 52m 2s 0000 RTLT=24h 52m 14s

31 1445 |----- 63 -----| 1730 2010 |----- 26 [D] -----| 0600

DSN COVERAGE HPTXR

32 --- 43 [D] ---| 0940 1515 |----- 43 [D] -----| 1835 0225 |----- 34 [D] -----|

HPTXR

1200 RTLT=19h 39m 46s 0000 RTLT=19h 39m 56s

RTLT : 19h 39m 34s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : HIGH
 PYR : .05 / .10 / .25
 GYROS : BC ON

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: 09/15/03 - 10:53

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 18, 2003
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 : 24h 52m 14s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=24h 52m 26s 0000 RTLT=24h 52m 38s

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

31 1225 |----- 65 [D] ----- 2020
 2000 |----- 26 [D] ----- | 0550

DSN COVERAGE HPTXR
 32 |----- 34 [D] ----- | 1720 0435 |--- 43 [D,1] ---

HPTXR

RTLT : 19h 39m 56s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : HIGH
 PYR : .05 / .10 / .25
 GYROS : BC ON

1200 RTLT=19h 40m 8s 0000 RTLT=19h 40m 20s

1910 |----- COMMAND MORATORIUM -----

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

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

NOTES [1] DUAL TLM STREAM SUPPORT

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: 09/15/03 - 10:53

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 19, 2003
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 : 24h 52m 38s

1200 RTLT=24h 52m 50s

0000 RTLT=24h 53m 2s

VOYAGER 1

FDSL : 11AF

U/L 1400 | - | - - - - - TLC (SHORT-FORM) - - - - -

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1300 | - - - - - 63 [T] - - - - - | 1645

1930 | - - - - - 15 [D] - - - - - | 0430

DSN COVERAGE
HPTXR

32

43 [D,1] - - - - - | 1825

0150 | - - - - - 45 [D] - - - - -

HPTXR

RTLT : 19h 40m 20s

1200 RTLT=19h 40m 30s

0000 RTLT=19h 40m 42s

VOYAGER 2

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

↓ 0822 AAI
0825 | - - - - - MAGROL - - - - - | 1420

↓ 1413 RAI
↓ 1420 CRU
↓ 1420 GYROS OFF

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05 / .10 / .25
GYROS : BC ON

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

[1] DUAL TLM STREAM SUPPORT
[2] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0825-1420)

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: 09/15/03 - 10:53

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 20, 2003
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

RTLTL : 24h 53m 2s
VOYAGER 1
FDSL : 11AF
CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=24h 53m 12s | 0000 RTLTL=24h 53m 24s

1245 | 1246 PWS/RH

----- TLC (SHORT-FORM) ----- † D/L - | 1618

0942 | TAPPOS | 1106 | 1452 | ---- | 1602 TAPPOS

1245 GS-4B
1246

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

31 1120 |----- 63 [D] -----| 1635 1955 |----- 25 [D] -----| 0105

DSN COVERAGE HPTXR

32 ----- 45 [D] ----- | 1000 0145 |----- 45 [D] -----

HPTXR

RTLTL : 19h 40m 42s
VOYAGER 2
FDSL : 11AF
CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05 / .10 / .25
GYROS : OFF

1200 RTLTL=19h 40m 52s | 0000 RTLTL=19h 41m 4s

----- COMMAND MORATORIUM ----- | 1840

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

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

NOTES [1] S/C 31=GS-4B @ 1245 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: 09/15/03 - 10:53

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 21, 2003
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

RTLT : 24h 53m 24s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

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

1200 RTLT=24h 53m 36s 0000 RTLT=24h 53m 48s

31
 DSN COVERAGE HPTXR
 32 --- 45 [D] --- | 0920 0105 |----- 43 [D] ----- | 0530
 0900 |----- 34 [D] ----- | 1710

HPTXR

1950 |----- 25 [D] ----- | 0000

RTLT : 19h 41m 4s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : HIGH
 PYR : .05 / .10 / .25
 GYROS : OFF

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

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

1200 RTLT=19h 41m 16s 0000 RTLT=19h 41m 28s

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: 09/15/03 - 10:53

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 22, 2003
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 : 24h 53m 48s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=24h 54m 0s | 0000 RTLT=24h 54m 10s

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

31 1645 |----- 54 [D] -----| 2050
 2030 |----- 26 [D] -----| 0535

HPTXR

DSN COVERAGE

32 |----- 34 [D] -----| 0735 - 1705 |----- 0245 |----- 45 [D] -----|

HPTXR

RTLT : 19h 41m 28s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : HIGH
 PYR : .05 / .10 / .25
 GYROS : OFF

1200 RTLT=19h 41m 38s | 0000 RTLT=19h 41m 50s

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: 09/15/03 - 10:53

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 23, 2003
266-267

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 : 24h 54m 10s

1200 RTLT=24h 54m 22s

0000 RTLT=24h 54m 34s

PWS/RH 0621 - 0622

VOYAGER 1

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

0622 GS-4B
0622 CR-5T

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1500 |----- 63 [D] -----| 1900

1940 |----- 25 [D] -----| 2330

0030 |----- 24 [D] -----| 0530

DSN COVERAGE
HPTXR

32

45 [D] ---| 0930

0135 |----- 43 [D] -----

HPTXR

RTLT : 19h 41m 50s

1200 RTLT=19h 42m 2s

0000 RTLT=19h 42m 12s

1943 |----- COMMAND MORATORIUM -----

PWS/RH 0508 | 0509

VOYAGER 2

FDSL : 11AF

CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05 / .10 / .25
GYROS : OFF

0508 GS-4B
0509 CR-5T

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

VOYAGER COVERAGE

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

NOTES

- [1] S/C 32=GS-4B @ 0508 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 0622 XB=2.8K(41) NOT RECOVERABLE
- [3] S/C 31=CR-5T @ 0622 XB=2.8K(41)

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: 09/15/03 - 10:53

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 24, 2003
267-268

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 : 24h 54m 34s
VOYAGER 1
FDSL : 11AF
CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLTL=24h 54m 46s
0000 RTLTL=24h 54m 58s

↓ 2100 AZ ACT HTR OFF

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

31
DSN COVERAGE HPTXR
1940 |-----25 [D]-----| 0530

32
HPTXR
43 [D] |-----| 1000
1505 |--34 [D]--| 1705

RTLTL : 19h 42m 12s
VOYAGER 2
FDSL : 11AF
CCSL : B121
TWNC : ON
SB : OFF XB : HIGH
PYR : .05 / .10 / .25
GYROS : OFF

1200 RTLTL=19h 42m 24s
0000 RTLTL=19h 42m 36s

----- COMMAND MORATORIUM -----
↓ 1455 X/B LOW POWER
↓ 1459 BAY 1 HTR ON

0804 PLSCAL
MAGCAL --| 0924
PESCAL ----| 0942

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

VOYAGER COVERAGE |----- ON CALL -----| VGR -|----- 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: 09/15/03 - 10:53

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 25, 2003
268-269

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 : 24h 54m 58s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : OFF

1200 RTLT=24h 55m 8s
 0000 RTLT=24h 55m 20s

▼ 0015 DUMMY (01:10)

U/L 0100 | - | - - - - - TLC (SHORT-FORM) - - - - -

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

31 1715 | - - - - - 54 [D] - - - - - | 2040
 2025 | - - - - - 26 [D] - - - - - | 2340
 2345 | - - - - - 14 [T] - - - - - | 0345

DSN COVERAGE HPTXR

32 1045 | - - - - - 43 [o] - - - - - | 1800
 0130 | - - - - - 45 [D] - - - - -

HPTXR

RTLT : 19h 42m 36s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05 / .10 / .25
 GYROS : OFF

1200 RTLT=19h 42m 48s
 0000 RTLT=19h 42m 58s

----- COMMAND MORATORIUM ----- | 1916

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: 09/15/03 - 10:53

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 26, 2003
269-270

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 : 24h 55m 20s

1200 RTLT=24h 55m 32s

0000 RTLT=24h 55m 44s

VOYAGER 1

- ↓ 1400 GYROS AB ON
- ↓ 1401 GYRO INIT
- ↓ 1410 GYRO FAULT TEST

FDSL : 11AF

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

----- TLC (SHORT-FORM) ----- | D/L -| 0323

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1230 |----- 65 [D] -----| 1950

1930 |----- 15 [D] -----| 0520

DSN COVERAGE
HPTXR

32

--- 45 [D] ---| 0920

1500 |--- 45 [D] ---| 1720

0120- 0620 |----- 45 [D] -----|

HPTXR

RTLT : 19h 42m 58s

1200 RTLT=19h 43m 10s

0000 RTLT=19h 43m 22s

VOYAGER 2

FDSL : 11AF

CCSL : B121
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: 09/15/03 - 10:53

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 27, 2003
270-271

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 : 24h 55m 44s

1200 RTLTL=24h 55m 54s 0000 RTLTL=24h 56m 6s

VOYAGER 1

1222 || 1223 PWS/RH

FDSL : 11AF

0920 |---| 1016 TAPPOS 1429 |--| 1511 TAPPOS

CCSL : A048
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : AB ON

1222
GS-4B 1223

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

CR-5T

160(32)

31

1400 |-----| 54 [D] -----| 1955
2045 |-----| 15 [D] -----| 0450

DSN COVERAGE
HPTXR

32

0940 |-----| 34 [o] -----| 1635 0115 |-----| 45 [D] -----

HPTXR

RTLTL : 19h 43m 22s

1200 RTLTL=19h 43m 34s 0000 RTLTL=19h 43m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B121
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

[1] S/C 31=GS-4B @ 1222 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: 09/15/03 - 10:53

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 28, 2003
271-272

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 : 24h 56m 6s
 VOYAGER 1
 FDSL : 11AF
 CCSL : A048
 TWNC : ON
 SB : OFF XB : LOW
 PYR : .05/ .10/ .25
 GYROS : AB ON

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

1200 RTLT=24h 56m 18s 0000 RTLT=24h 56m 28s

31
 DSN COVERAGE HPTXR
 2030 |----- 26 [D] -----| 0105
 0155 |----- 43 [D] -----| 0545

32
 HPTXR
 --- 45 [D] ---| 0915 0200 |----- 45 [D] -----

RTLT : 19h 43m 46s
 VOYAGER 2
 FDSL : 11AF
 CCSL : B121
 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=19h 43m 56s 0000 RTLT=19h 44m 8s

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