

# VOYAGER

## Space Flight Operations Schedule (SFOS)

Issue Date: September 03, 2003

For the Period: 09/04/03 to 09/21/03 (03-247 - 03-264)

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 DSE (3) (Presley)  
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**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  
 (23 – Dist/N: Paper Copies)  
 9/03/03



ISSUE DATE: 09/03/03 - 11:16

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 5, 2003  
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

RTLTL : 24h 47m 6s

1200 RTLTL=24h 47m 18s 0000 RTLTL=24h 47m 30s

VOYAGER 1

- ↓ 1324 GYROS BC ON
- ↓ 1325 GYRO INIT
- ↓ 1334 GYRO FAULT TEST

FDSL : 11AF

TLC (SHORT-FORM) -----| D/L -| 0445

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

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31 ---| 0740 14 [T,1]

1220 |----- 63 [D] -----| 1705

2055 - 0645 |----- 26 [D] -----|

DSN COVERAGE HPTXR

32 ----- 45 [D] -----| 1020

1545 |----- 45 [D] -----| 1845

0415 |----- 34 [o] -----|

HPTXR

1200 RTLTL=19h 35m 26s

0000 RTLTL=19h 35m 36s

RTLTL : 19h 35m 14s

VOYAGER 2

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

VOYAGER COVERAGE

----- ON CALL -----| VGR |----- 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: 09/03/03 - 11:16

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 6, 2003  
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 : 24h 47m 30s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A048  
 TWNC : ON  
 SB : OFF XB : HIGH  
 PYR : .05/ .10 / .25  
 GYROS : BC ON

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

1200 | RTLTL=24h 47m 42s | 0000 | RTLTL=24h 47m 54s

31 1220 |----- 63 [D] -----| 1700 2050 |----- 26 [D] -----| 0030  
 0010 |--- 24 [D] ---| 0230

HPTXR  
 DSN COVERAGE

32 ----- 34 [o] -----| 1010 1545 |--- 34 [D] ---| 1815 0240 |----- 45 [D] -----

HPTXR

RTLTL : 19h 35m 36s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B121  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : AC ON

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

1200 | RTLTL=19h 35m 46s | 0000 | RTLTL=19h 35m 56s

↓ 1601 GYRO INIT

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: 09/03/03 - 11:16

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 7, 2003  
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 : 24h 47m 54s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A048  
 TWNC : ON  
 SB : OFF XB : HIGH  
 PYR : .05/ .10 / .25  
 GYROS : BC ON

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

1200 RTLT=24h 48m 6s 0000 RTLT=24h 48m 18s

31 1420 | --- 63 [D] --- | 1630  
 2100 | ----- 24 [D] ----- | 0045

DSN COVERAGE HPTXR  
 32 ----- 45 [D] ----- | 1010 0200 | ----- 43 [D] -----

HPTXR

RTLT : 19h 35m 56s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B121  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : AC ON

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

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

1200 RTLT=19h 36m 8s 0000 RTLT=19h 36m 18s

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: 09/03/03 - 11:16

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 8, 2003  
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 : 24h 48m 18s

1200 RTLT=24h 48m 30s

0000 RTLT=24h 48m 42s

↓ 2200 GYRO INIT

VOYAGER 1

FDSL : 11AF

↓ 1600 MEMUPD ENA AHELI1

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

1601 | 1602 CCS MRO

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1420 |----- 63 [D] -----| 2015

2035 |----- 26 [D] -----| 0020

0000 |--- 24 [D] ---| 0205

DSN COVERAGE HPTXR

32

--- 43 [D] --- | 0910

1530 |--- 34 [D] --- | 1805

0230 |----- 45 [D] -----

HPTXR

RTLT : 19h 36m 18s

1200 RTLT=19h 36m 28s

0000 RTLT=19h 36m 40s

VOYAGER 2

↓ 1601 GYRO INIT

FDSL : 11AF

CCSL : B121  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : AC 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: 09/03/03 - 11:16

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 9, 2003 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 : 24h 48m 42s VOYAGER 1 FDSL : 11AF CCSL : A048 TWNC : ON SB : OFF XB : HIGH PYR : .05/ .10 / .25 GYROS : BC ON		1200 RTLT=24h 48m 54s												0000 RTLT=24h 49m 6s																							
1043   1043 PWS/RH ↓ 0152 GYRO FAULT TEST ↓ 0041 ALL DB=.05 ↓ 0057 AAI 0058   --   0135 ASCAL ↓ 0132 RAI ↓ 0135 CRU ↓ 0144 ROLL=.25 ↓ 0144 YAW=.10																																					
FDS MODE XB DATA RATE (MI)		CR-5T 160(32)						1043 GS-4B 1043						CR-5T 160(32)						0026 0138 EL-40 40(30)			CR-5T 160(32)														
DSN COVERAGE		31 1300  ----- 65 [D] -----  1700												2330  ----- 14 [D,4] -----  0330																							
HPTXR		32 ----- 45 [D] -----  1015												1700  -- 43 [D] --  1905												43 [D,5] 0645  -----											
HPTXR		0225  ----- 45 [D] -----  0555																																			
RTLT : 19h 36m 40s VOYAGER 2 FDSL : 11AF CCSL : B121 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : AC ON		1200 RTLT=19h 36m 50s												0000 RTLT=19h 37m 0s																							
0929   0930 PWS/RH BAY 1 HTR OFF 0653 ↓ X/B HI POWER 0657 ↓ TAPPOS 0509 - 0619  -----		1146  ----- COMMAND MORATORIUM -----																																			
FDS MODE XB DATA RATE (MI)		CR-5T 160 (32)						0929 GS-4B 0930						CR-5T 160(32)																							
VOYAGER COVERAGE		----- ON CALL ----- +-- VGR --+----- ON CALL -----+																																			
NOTES		[1] S/C 32=GS-4B @ 0929 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 1043 XB=2.8K(41) NOT RECOVERABLE [3] S/C 31 - D/L AGC/SNR VARIATIONS EXPECTED DURING ASCAL (0058-0135) [4] DUAL TLM STREAM SUPPORT [5] 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: 09/03/03 - 11:16

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 10, 2003  
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 : 24h 49m 6s

1200 RTLT=24h 49m 16s

0000 RTLT=24h 49m 28s

VOYAGER 1

FDSL : 11AF

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

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1300 |----- 63 [D] -----| 1725

DSN COVERAGE  
HPTXR

32

----- 43 [D,5] -----| 1640

0255 |----- 34 [o] -----

HPTXR

RTLT : 19h 37m 0s

1200 RTLT=19h 37m 12s

0000 RTLT=19h 37m 22s

VOYAGER 2

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

↓ 0753 YAW=.05

↓ 1451 YAW=.10

FDSL : 11AF

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

TAPPOS 0625 |---

0801 |----- PLAYBACK -----| 1437

FDS MODE  
XB DATA RATE (MI)

0801  
CR-5T

PB-14  
1.4K(39)

1437

CR-5T  
160(32)

VOYAGER COVERAGE

----- VGR -----

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

NOTES

[5] 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: 09/03/03 - 11:16

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

RTLT : 24h 49m 28s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A048  
TWNC : ON  
SB : OFF XB : HIGH  
PYR : .05 / .10 / .25  
GYROS : BC ON

1200 RTLT=24h 49m 40s  
0000 RTLT=24h 49m 52s

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

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

31 1550 |----- 63 [D,2] -----| 2355  
2335 |----- 26 [D] -----| 0240

DSN COVERAGE HPTXR  
32 ----- 34 [0] -----| 1745  
0220 |----- 45 [D] -----|

HPTXR

RTLT : 19h 37m 22s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B121  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : AC ON

1200 RTLT=19h 37m 32s  
0000 RTLT=19h 37m 44s

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

TAPPOS | 0836

FDS MODE CR-5T  
XB DATA RATE (MI) 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: 09/03/03 - 11:16

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  
VOYAGER 1  
FDSL : 11AF  
CCSL : A048  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05 / .10 / .25  
GYROS : OFF  
1200 RTLTL=24h 50m 4s  
0000 RTLTL=24h 50m 16s  
1643 | 1644 PWS/RH  
U/L 2300 | - - - - - TLC (SHORT-FORM) - - - - -  
1341 | - TAPPOS - | 1532  
1851 | TAPPOS | 2028  
▼ 2130 DUMMY (22:20)  
1643 GS-4B 1644  
FDS MODE CR-5T CR-5T  
XB DATA RATE (MI) 160(32) 160(32)

31  
DSN COVERAGE HPTXR  
1500 | - - - - - 63 [D] - - - - - 1945  
1940 | - - - - - 14 [T] - - - - - 0105  
0305 | - - - - - 43 [D] - - - - -  
HPTXR  
32  
45 [D] - - - - - 1005  
0315 | - - - - - 45 [D] - - - - -  
HPTXR

RTLTL : 19h 37m 44s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B121  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : AC ON  
1200 RTLTL=19h 37m 54s  
0000 RTLTL=19h 38m 6s  
-- COMMAND MORATORIUM -- | 1153  
↓ 0711 GYRO INIT  
↓ 0711 GYROS BC ON  
↓ 0721 GYRO FAULT TEST  
↓ 0701 GYRO FAULT TEST STOP  
0811 | 0818 CCSTIM(B)  
FDS MODE CR-5T  
XB DATA RATE (MI) 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: 09/03/03 - 11:16

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  
VOYAGER 1  
FDSL : 11AF  
CCSL : A048  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05 / .10 / .25  
GYROS : OFF

TLC (SHORT-FORM) ----- D/L -| 0118

1200 RTLTL=24h 50m 28s | 0000 RTLTL=24h 50m 40s

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

DSN COVERAGE HPTXR

31 ---| 0735 43 [D] | 1605 |----- 54 [D] -----| 2120 | 0300 |----- 43 [D] -----

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

32 ----- 45 [D] -----| 1000 | 1525 |----- 45 [D] -----| 1810 | 0530 |----- 34 [D] -----

HPTXR

RTLTL : 19h 38m 6s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B121  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05 / .10 / .25  
GYROS : ON

1200 RTLTL=19h 38m 16s | 0000 RTLTL=19h 38m 28s

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: 09/03/03 - 11:16

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

RTLT : 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 RTLT=24h 50m 52s 0000 RTLT=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

RTLT : 19h 38m 28s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B121  
 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=19h 38m 38s 0000 RTLT=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: 09/03/03 - 11:16

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] | 0825 43 [B,1] 0615 |---  
 HPTXR  
 0200 |----- 45 [D] -----| 0500

RTLT : 19h 38m 50s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B121  
 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=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: 09/03/03 - 11:16

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

1200 RTLTL=24h 51m 38s

0000 RTLTL=24h 51m 50s

VOYAGER 1

FDSL : 11AF

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

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

0645  
0644 CR-5T  
GS-4B

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31 --- 45 [D] --- | 0950

1455 | - - 63 [D] - - | 1655

2225 | - - - - - 25 [D] - - - - - | 0605

DSN COVERAGE  
HPTXR

32 --- 43 [B,1] --- | 1145

0115 | - - - - - 43 [D] - - - - -

HPTXR

RTLTL : 19h 39m 12s

1200 RTLTL=19h 39m 24s

0000 RTLTL=19h 39m 34s

VOYAGER 2

FDSL : 11AF

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

↓ 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  
XB DATA RATE (MI)

0812 0924  
CR-5T EL-40  
160(32) 40(30)

CR-5T  
160(32)

CR-5T  
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: 09/03/03 - 11:16

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  
 ▼ 1530 DUMMY (16:22)  
 CCSL : A048  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 /.10 /.25  
 GYROS : OFF

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

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

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

HPTXR

RTLT : 19h 39m 34s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B121  
 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 ----- | - 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: 09/03/03 - 11:16

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

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

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

31 1225 |-----65 [D]-----| 1640 2000 |-----26 [D]-----| 0550

DSN COVERAGE HPTXR  
 32 --- 34 [D] ---| 0915 0435 |--- 43 [D,1] ---

HPTXR

RTLT : 19h 39m 56s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B121  
 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=19h 40m 8s 0000 RTLT=19h 40m 20s

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

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: 09/03/03 - 11:16

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  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A048  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05 /.10 /.25  
 GYROS : OFF

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

FDS MODE CR-5T  
 XB DATA RATE (MI) 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  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B121  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05 /.10 /.25  
 GYROS : ON

1200 RTLT=19h 40m 30s  
 0000 RTLT=19h 40m 42s

COMMAND MORATORIUM

↓ 0822 AAI  
 0825 | - - - - - MAGROL - - - - - | 1420  
 ↓ 1413 RAI  
 ↓ 1420 CRU  
 ↓ 1420 GYROS OFF

FDS MODE CR-5T  
 XB DATA RATE (MI) 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: 09/03/03 - 11:16

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 : HI  
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: 09/03/03 - 11:16

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)

31 1950 |----- 25 [D] -----| 0000

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

HPTXR

RTLT : 19h 41m 4s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B121  
 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