

ISSUE DATE: 12/12/01 - 09:05

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  
DECEMBER 13, 2001  
347-348

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 : 23h 16m 58s | 1200 RTLT=23h 17m 2s | 1439 SLEW->HELIO-1A | 0000 RTLT=23h 17m 6s

VOYAGER 1

FDSL : 11AF

CCSL : A041  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

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

TLC (SHORT-FORM) | D/L -| 0015 | 0239 SLEW->HELIO-2A

S/C 31 STATUS

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -22.877 sec

ROLLREF = RIGIL  
KENTAURUS

DSN COVERAGE

HPTXR 31 --- 65 [D] --- | 1045 | 1450 | --- 25 [D] --- | 1935 | 0700 | 65 [D]

HPTXR 32 | 1940 | --- 43 [D] ---

RTLT : 18h 27m 30s | 1200 RTLT=18h 27m 38s | 1258 | 0000 RTLT=18h 27m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B114  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

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

COMMAND MORATORIUM

S/C 32 STATUS

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -92.715 sec

ROLLREF = VEGA

0058 AAI  
0101 | --- MAGROL --- | 0656

RAI 0649 ↓  
CRU 0656 ↓  
GYROS OFF 0656 ↓

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

NOTES [1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0101-0656)

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: 12/12/01 - 09:05

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  
DECEMBER 14, 2001  
348-349

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 : 23h 17m 6s

1200 RTLT=23h 17m 10s

0000 RTLT=23h 17m 14s

VOYAGER 1

↓ 1439 SLEW->HELIO-3A

↓ 0239 SLEW->HELIO-4A

FDSL : 11AF

PWS/RH 0645 | 0646

CCSL : A041  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

0342 | 0356 TAPPOS

0645  
GS-4B 0646

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160 (32)

CR-5T  
160(32)

31

----- 65 [D] ----- | 1115

1415 | ----- 15 [D] ----- | 1805

0655 | 65 [D] |

DSN COVERAGE  
HPTXR

32

43 [D] | 0900

2020 | ----- 43 [D] ----- | 2355

0600 | -- 43 [D] -- |

HPTXR

RTLT : 18h 27m 46s

1200 RTLT=18h 27m 54s

0000 RTLT=18h 28m 0s

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

VOYAGER 2

FDSL : 11AF

CCSL : B114  
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 @ 0645 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: 12/12/01 - 09:05

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  
DECEMBER 15, 2001  
349-350

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 : 23h 17m 14s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A041  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF



0852 | - | 0919 TAPPOS

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31 ----- 65 [D] ----- | 1040

1450 | ----- 25 [D] ----- | 2345

DSN COVERAGE  
HPTXR

32 ----- 43 [D] ----- | 1215

45 [D] 0755 |

HPTXR

RTLTL : 18h 28m 0s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B114  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF



| | 0841 - 0855 TAPPOS

1351 | 1351 TAPPOS

1143  
GS-4B  
1144

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 @ 1143 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: 12/12/01 - 09:05

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  
DECEMBER 16, 2001  
350-351

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 : 23h 17m 20s

1200 RTLT=23h 17m 24s

0000 RTLT=23h 17m 26s

VOYAGER 1

↓ 1439 SLEW->HELIO-7A

↓ 0239 SLEW->HELIO-8A

FDSL : 11AF

CCSL : A041  
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]

0810 - 1620

65 [D] 0750

1600

25 [D]

2330

DSN COVERAGE  
HPTXR

32

45 [D]

1155

0645 34 [D]

1955

45 [D]

2345

HPTXR

RTLT : 18h 28m 16s

1200 RTLT=18h 28m 22s

0000 RTLT=18h 28m 30s

VOYAGER 2

FDSL : 11AF

CCSL : B114  
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: 12/12/01 - 09:05

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  
DECEMBER 17, 2001  
351-352

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 : 23h 17m 26s

1200 RTLTL=23h 17m 30s

0000 RTLTL=23h 17m 34s

VOYAGER 1

↓ 1439 SLEW->HELIO-9A

↓ 0239 SLEW->HELIO-10A

FDSL : 11AF

CCSL : A041  
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]

1510

1505

25 [D]

2330

DSN COVERAGE  
HPTXR

32

34 [D]

1125

0545

43 [o]

HPTXR

RTLTL : 18h 28m 30s

1200 RTLTL=18h 28m 36s

0000 RTLTL=18h 28m 44s

VOYAGER 2

FDSL : 11AF

CCSL : B114  
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: 12/12/01 - 09:05

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 DECEMBER 18, 2001 352-353	
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	
VOYAGER 1 FDSL : 11AF CCSL : A041 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=23h 17m 36s 0000 RTLT=23h 17m 40s ↓ 1439 SLEW->MIDPNT-A 0021   0022 PWS/RH
FDS MODE XB DATA RATE (MI)	CR-5T 160(32) CR-5T 160(32)
DSN COVERAGE HPTXR 31	1010  -----54 [D]-----  1515 1455  -----25 [D]-----  2320 0650   65 [D]
HPTXR 32	43 [o]-----  1205 0245  -----45 [D]-----
VOYAGER 2 FDSL : 11AF CCSL : B114 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=18h 28m 50s 0000 RTLT=18h 28m 58s 2319   2320 PWS/RH
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 @ 2319 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 0021 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: 12/12/01 - 09:05

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  
DECEMBER 19, 2001  
353-354

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 : 23h 17m 40s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A041  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLTL=23h 17m 42s

0000 RTLTL=23h 17m 46s

↓ 1439 SLEW->HELIO-11A

↓ 0239 SLEW->HELIO-12A

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

65 [D]

1605

0635 65 [D]

1550

25 [D]

2330

DSN COVERAGE  
HPTXR

32

45 [D] 0925

2000

43 [B]

0350

0535 45 [D]

HPTXR

RTLTL : 18h 28m 58s

1200 RTLTL=18h 29m 4s

0000 RTLTL=18h 29m 12s

VOYAGER 2

FDSL : 11AF

CCSL : B114  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

2315 2335 AACS MRO  
2335 2347 CCS MRO  
2347 2359 FDS MRO

▼ 2202 DUMMY (5 MIN BRACKETED NO D/L)

\*1.2K(39)

2301

2359

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

EH-12

\*

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: 12/12/01 - 09:05

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  
DECEMBER 20, 2001  
354-355

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 : 23h 17m 46s

1200 RTLTL=23h 17m 48s

0000 RTLTL=23h 17m 52s

VOYAGER 1

↓ 1440 SLEW->HELIO-13A

↓ 0240 SLEW->HELIO-14A

FDSL : 11AF

CCSL : A041  
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] --- | 1035

1415 | ----- 25 [D] ----- | 1935

65 [D] 0705 | ---

DSN COVERAGE  
HPTXR

32 --- 45 [D] ----- | 1140

1940 | ----- 45 [D] -----

HPTXR

RTLTL : 18h 29m 12s

1200 RTLTL=18h 29m 18s

0000 RTLTL=18h 29m 24s

VOYAGER 2

FDSL : 11AF

CCSL : B114  
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



<p>FRIDAY DECEMBER 21, 2001 355-356</p> <p>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</p>	
<p>RTLTL : 23h 17m 52s</p> <p>VOYAGER 1</p> <p>FDSL : 11AF</p> <p>CCSL : A041 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF</p> <p>FDS MODE XB DATA RATE (MI)</p>	<p>1200 RTLTL=23h 17m 54s</p> <p>0000 RTLTL=23h 17m 56s</p> <p>↓ 1440 SLEW-&gt;HELIO-15A</p> <p>▼ 1630 DUMMY (15:48)</p> <p>↓ 0240 SLEW-&gt;HELIO-16A PWS/RH 0621   0622</p> <p>U/L 1645   -   - - - - - TLC (SHORT FORM) - - - - -</p> <p>0319   - - -   0400 TAPPOS</p> <p>0621 GS-4B 0622</p> <p>CR-5T 160(32)</p> <p>CR-5T 160(32)</p>
<p>DSN COVERAGE</p> <p>HPTXR</p> <p>HPTXR</p>	<p>31 ----- 65 [D] -----   1030</p> <p>1320   ----- 14 [T] -----   1715</p> <p>32 ----- 45 [D] -----   1120</p> <p>1935   ----- 45 [D] -----   0350</p> <p>0625   - - 65 [D] - -</p>
<p>RTLTL : 18h 29m 24s</p> <p>VOYAGER 2</p> <p>FDSL : 11AF</p> <p>CCSL : B114 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF</p> <p>FDS MODE XB DATA RATE (MI)</p>	<p>1200 RTLTL=18h 29m 32s</p> <p>0000 RTLTL=18h 29m 38s</p> <p>CR-5T 160(32)</p>
<p>VOYAGER COVERAGE</p>	<p>----- ON CALL -----   - VGR -   ----- ON CALL -----</p>
<p>NOTES</p>	<p>[1] S/C 31=GS-4B @ 0621 XB=2.8K(41) NOT RECOVERABLE</p>
<p>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</p>	

ISSUE DATE: 12/12/01 - 09:05

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  
DECEMBER 22, 2001  
356-357

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 : 23h 17m 56s

1200 RTLT=23h 18m 0s

0000 RTLT=23h 18m 2s

VOYAGER 1

↓ 1440 SLEW->HELIO-17A

↓ 0240 SLEW->HELIO-18A

FDSL : 11AF

CCSL : A041

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

----- TLC (SHORT FORM) ----- † D/L -| 1731

|-----| 0828- 0923 TAPPOS

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31 --- 65 [D] --- | 1025

1535 |----- 25 [D] -----| 2315

65 [D] 0720 |---

DSN COVERAGE  
HPTXR

2120 |----- 45 [D] -----| 0500

32

HPTXR

RTLT : 18h 29m 38s

1200 RTLT=18h 29m 44s

0000 RTLT=18h 29m 50s

VOYAGER 2

1120 | 1120 PWS/RH

FDSL : 11AF

CCSL : B114

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

| | 0818- 0832 TAPPOS                      1328 | 1328 TAPPOS

1120  
GS-4B      1120

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 @ 1120 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: 12/12/01 - 09:05

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  
DECEMBER 23, 2001  
357-358

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 : 23h 18m 2s

1200 RTLT=23h 18m 4s

0000 RTLT=23h 18m 6s

VOYAGER 1

↓ 1440 SLEW->HELIO-19A

↓ 0240 SLEW->HELIO-20B

FDSL : 11AF

CCSL : A041  
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]

1545

1530

25 [D]

0030

43 [D]

0320

DSN COVERAGE  
HPTXR

32

1930 - 0745

45 [D]

HPTXR

RTLT : 18h 29m 50s

1200 RTLT=18h 29m 56s

0000 RTLT=18h 30m 4s

VOYAGER 2

FDSL : 11AF

CCSL : B114  
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: 12/12/01 - 09:05

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  
DECEMBER 24, 2001  
358-359

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 : 23h 18m 6s

1200 RTLTL=23h 18m 10s

0000 RTLTL=23h 18m 12s

VOYAGER 1

FDSL : 11AF

CCSL : A041  
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]

1400

0805 - 1440

25 [D]

2305

DSN COVERAGE  
HPTXR

32

0410 |----- 45 [D] -----

HPTXR

RTLTL : 18h 30m 4s

1200 RTLTL=18h 30m 10s

0000 RTLTL=18h 30m 16s

VOYAGER 2

FDSL : 11AF

CCSL : B114  
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: 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: 12/12/01 - 09:05

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  
DECEMBER 25, 2001  
359-360

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 : 23h 18m 12s

1200 RTLTL=23h 18m 14s

0000 RTLTL=23h 18m 16s

VOYAGER 1

↓ 2140 SLEW->HELIO-1C

FDSL : 11AF

2357 | 2358 PWS/RH

CCSL : A041  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

2357  
GS-4B 2358

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

31

2055 |----- 45 [D] -----| 0120

DSN COVERAGE HPTXR

32 | 0810 45 [D]

0355 |----- 45 [D] -----|

HPTXR

RTLTL : 18h 30m 16s

1200 RTLTL=18h 30m 22s

0000 RTLTL=18h 30m 28s

VOYAGER 2

2256 | 2257 PWS/RH

FDSL : 11AF

2256  
GS-4B 2257

CCSL : B114  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

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 @ 2256 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 2357 XB=2.8K(41) NOT RECOVERABLE  
JPL HOLIDAY

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: 12/12/01 - 09:05

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  
DECEMBER 26, 2001  
360-361

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 : 23h 18m 16s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A041  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLT=23h 18m 18s

0000 RTLT=23h 18m 20s

↓ 0940 SLEW->HELIO-2C

↓ 2140 SLEW->HELIO-3C

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1350 |----- 25 [D] -----| 2300

0620 |-- 65 [D] --|

DSN COVERAGE  
HPTXR

32

0840 45 [D]

2000 |----- 43 [B] -----| 0350

0330 |----- 45 [D] -----|

HPTXR

1200 RTLT=18h 30m 34s

0000 RTLT=18h 30m 40s

RTLT : 18h 30m 28s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B114  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

▼ 0052 DUMMY (5 MIN BRACKETED 19:23)

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: 12/12/01 - 09:05

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  
DECEMBER 27, 2001  
361-362

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 : 23h 18m 20s

1200 RTLT=23h 18m 22s

0000 RTLT=23h 18m 24s

VOYAGER 1

↓ 0940 SLEW->HELIO-4C

↓ 2140 SLEW->HELIO-5C

FDSL : 11AF

CCSL : A041  
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]

1340

1345

25 [D]

1935

DSN COVERAGE  
HPTXR

32

45 [D]

1055

1915

45 [D]

HPTXR

RTLT : 18h 30m 40s

1200 RTLT=18h 30m 44s

0000 RTLT=18h 30m 50s

VOYAGER 2

FDSL : 11AF

CCSL : B114  
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: 12/12/01 - 09:05

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  
DECEMBER 28, 2001  
362-363

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 : 23h 18m 24s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A041  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

↓ 0940 SLEW->HELIO-6C

↓ 2140 SLEW->HELIO-7C

PWS/RH 0557 | 0558

0255 | ---- | 0404 TAPPOS

U/L 1250 | - - - - - TLC (SHORT-FORM) - - - - -

0557  
GS-4B 0558

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160(32)

160(32)

31

1415 | - - - - - 15 [D] - - - - - 1815

0655 | 65 [D]

1220 | - 14 - | 1330

DSN COVERAGE  
HPTXR

32

45 [D] - - - - - 1110

1910 | - - - - - 45 [D] - - - - - 0300 | 0305

34 [o]

HPTXR

RTLT : 18h 30m 50s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B114  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

1200 RTLT=18h 30m 56s

0000 RTLT=18h 31m 2s

TAPPOS 0755 |

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

ON CALL

NOTES

[1] S/C 31=GS-4B @ 0557 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: 12/12/01 - 09:05

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 DECEMBER 29, 2001 363-364	
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 : 23h 18m 28s VOYAGER 1 FDSL : 11AF CCSL : A041 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=23h 18m 30s 0940 SLEW->HELIO-8C 2140 SLEW->HELIO-9C TAPPOS   0805 - 0927 --- TLC (SHORT-FORM) --- + D/L -   1336
FDS MODE XB DATA RATE (MI)	CR-5T 160(32)
DSN COVERAGE HPTXR 31	65 [D] -----   1415 1355   ----- 25 [D] -----   2245 0650   65 [D] -----
HPTXR 32	0855 34 [o] ----- 0325   ----- 45 [D] ----- 2305   ----- 43 [D] -----   0345
RTLT : 18h 31m 2s VOYAGER 2 FDSL : 11AF CCSL : B114 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=18h 31m 8s 0000 RTLT=18h 31m 12s 1056   1057 PWS/RH 0809 TAPPOS                      1304   1305 TAPPOS 1056 GS-4B                      1057
FDS MODE XB DATA RATE (MI)	CR-5T                      CR-5T 160(32)                      160(32)
VOYAGER COVERAGE	----- ON CALL -----
NOTES	[1] S/C 32=GS-4B @ 1056 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: 12/12/01 - 09:05

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  
DECEMBER 30, 2001  
364-365

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 : 23h 18m 32s

1200 RTLTL=23h 18m 34s

0000 RTLTL=23h 18m 36s

VOYAGER 1

↓ 0940 SLEW->HELIO-10C

FDSL : 11AF

CCSL : A041  
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] ----- | 1515 0555 | --- 65 [D] ---

1630 |----- 25 [D] ----- | 2240

DSN COVERAGE  
HPTXR

32 --- 45 [D] --- | 1015

1900 |----- 45 [D] ----- | 0340

HPTXR

RTLTL : 18h 31m 12s

1200 RTLTL=18h 31m 18s

0000 RTLTL=18h 31m 24s

VOYAGER 2

FDSL : 11AF

CCSL : B114  
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