

ISSUE DATE: 11/30/99 - 13:42

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 2, 1999
336-337

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 : 21h 15m 22s

1200 RTLTL=21h 15m 26s

0000 RTLTL=21h 15m 32s

VOYAGER 1

S/C 31 STATUS

FDSL : 11AF

▼ 1900 DUMMY (16:15)

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -18.056 sec

ROLLREF = RIGIL
KENTAURUS

FDS MODE
XB DATA RATE (MI)

CR-5T
160 (32)

31 ----- 65 [D] ----- | 1050

1500 |----- 24 -----| 0055

DSN COVERAGE
HPTXR

32 ----- 42 [D] ----- | 1125

2030 |--- 43 [D] ---| 2245

0200 |----- 42 [D] -----

HPTXR

RTLTL : 16h 42m 4s

1200 RTLTL=16h 42m 14s

0000 RTLTL=16h 42m 22s

VOYAGER 2

S/C 32 STATUS

FDSL : 11AF

FDS CLOCK DRIFT:
ADD TO S/C EVENT
ERT: -10.644 sec

ROLLREF = VEGA

CCSL : B105
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: 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: 11/30/99 - 13:42

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 3, 1999
337-338

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 : 21h 15m 32s

1200 RTLT=21h 15m 36s

0000 RTLT=21h 15m 42s

VOYAGER 1

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31 0900 | -- 63 [D] --- | 1115

1600 | ----- 24 [D] ----- | 0050

0615 | - 63 [D] - -

DSN COVERAGE
HPTXR

32 ----- 42 [D] ----- | 1120

2025 | ----- 43 [D] ----- | 0000

0030 | ----- 42 [o] -----

HPTXR

RTLT : 16h 42m 22s

1200 RTLT=16h 42m 32s

0000 RTLT=16h 42m 40s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/30/99 - 13:42

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 4, 1999
338-339

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 : 21h 15m 42s

1200 RTLT=21h 15m 46s

0000 RTLT=21h 15m 50s

VOYAGER 1

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31 ----- 63 [D] ----- | 1115 1350 |----- 14 [D] -----| 1850 0615 | - 63 [D] - -

HPTXR

1830 |----- 24 [D] -----| 0045

DSN COVERAGE

32 ----- 42 [o] ----- | 1115 2025 |----- 43 [D] -----| 0220 |----- 42 [D] -----| 0240

HPTXR

RTLT : 16h 42m 40s

1200 RTLT=16h 42m 48s

0000 RTLT=16h 42m 58s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/30/99 - 13:42

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 5, 1999
339-340

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 : 21h 15m 50s

1200 RTLT=21h 15m 56s

0000 RTLT=21h 16m 0s

VOYAGER 1

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31 ----- 63 [D] ----- | 1115 1345 |----- 14 [D] ----- | 1850 1850 |----- 24 [D] ----- | 0045 0610 |-- 63 [T] --

DSN COVERAGE
HPTXR

32 ----- 42 [D] ----- | 1115 2020 |---- 43 [D] ---- | 2255 0435 |----- 42 [o] -----

HPTXR

RTLT : 16h 42m 58s

1200 RTLT=16h 43m 6s

0000 RTLT=16h 43m 14s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/30/99 - 13:42

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 6, 1999
340-341

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 : 21h 16m 0s

1200 RTLT=21h 16m 4s

0000 RTLT=21h 16m 8s

VOYAGER 1

U/L 1225 | - | - - - - - TLC (SHORT-FORM) - - - - -

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T

160 (32)

31

HPTXR

DSN COVERAGE

32

HPTXR

RTLT : 16h 43m 14s

1200 RTLT=16h 43m 22s

0000 RTLT=16h 43m 30s

VOYAGER 2

FDSL : 11AF

CCSL : B105
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: 11/30/99 - 13:42

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 7, 1999 341-342	
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 : 21h 16m 8s VOYAGER 1 FDSL : 11AF CCSL : A033 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=21h 16m 14s TLC (SHORT-FORM) D/L - 1109 0056 0057 PWS/RH 0056 GS-4B 0057
FDS MODE XB DATA RATE (MI)	CR-5T 160 (32)
31	63 [D] 1115 1340 14 [D] 1830
DSN COVERAGE HPTXR	32 42 [D] 1105 2145 34 [D] 0200 0405 42 [D]
HPTXR	1200 RTLT=16h 43m 40s 0000 RTLT=16h 43m 48s 0003 0004 PWS/RH 0003 GS-4B 0004
RTLT : 16h 43m 30s VOYAGER 2 FDSL : 11AF CCSL : B105 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	0003 0004 PWS/RH
FDS MODE XB DATA RATE (MI)	CR-5T 160 (32)
VOYAGER COVERAGE	ON CALL
NOTES	[1] S/C 32=GS-4B @ 0003 XB=2.8K(41) NOT RECOVERABLE [2] S/C 31=GS-4B @ 0056 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: 11/30/99 - 13:42

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 8, 1999
342-343

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 : 21h 16m 18s

VOYAGER 1

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1648 | PLSCAL - | 1830
1648 | --- MAGCAL --- | 1950
1648 | --- PESCAL --- | 2008

1200 RTLT=21h 16m 22s

0000 RTLT=21h 16m 26s

FDS MODE
XB DATA RATE (MI)

CR-5T

160(32)

31

1645 | ----- 14 [D] ----- | 2115

0645 | 65 [D] |

DSN COVERAGE
HPTXR

32

----- 42 [D] ----- | 1100

2005 | ----- 43 [B] ----- | 0520 | --- 42 [D] ---
| 0540

HPTXR

RTLT : 16h 43m 48s

VOYAGER 2

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=16h 43m 56s

0000 RTLT=16h 44m 4s

COMMAND MORATORIUM 0729 | - -

▼ 2117 DUMMY (BRACKETED 5MIN NO D/L)

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: 11/30/99 - 13:42

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 9, 1999
343-344

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 : 21h 16m 26s

1200 RTLT=21h 16m 30s

0000 RTLT=21h 16m 34s

VOYAGER 1

FDSL : 11AF

CCSL : A033
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

0640 | 65 [D] -

DSN COVERAGE
HPTXR

32 --- 42 [D] --- | 1100

2010 | --- 43 [D] --- | 0130

0110 |

42 [D] ---

HPTXR

RTLT : 16h 44m 4s

1200 RTLT=16h 44m 12s

0000 RTLT=16h 44m 20s

VOYAGER 2

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

--- COMMAND MORATORIUM ---

- ↓ 2344 GYRO INIT
- ↓ 2344 GYROS AB ON
- ↓ 2354 GYRO FAULT TEST
- 0046 || 0049 CCSTIM(B)

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: 11/30/99 - 13:42

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 10, 1999
344-345

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 : 21h 16m 34s

1200 RTLT=21h 16m 38s

0000 RTLT=21h 16m 42s

VOYAGER 1

FDSL : 11AF

▼ 1700 DUMMY (14:16)

CCSL : A033
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 1335 | --- 14 --- | 1805 0635 | 65 [D] -

DSN COVERAGE HPTXR

32 --- 42 [D] --- | 1055 2000 | --- 43 [D] --- | 2215 0245 | --- 42 [D] -

HPTXR

RTLT : 16h 44m 20s

1200 RTLT=16h 44m 28s

0000 RTLT=16h 44m 36s

COMMAND MORATORIUM

0659

VOYAGER 2

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
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: 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: 11/30/99 - 13:42

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 11, 1999
345-346

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 : 21h 16m 42s

1200 RTLT=21h 16m 46s

0000 RTLT=21h 16m 50s

VOYAGER 1

FDSL : 11AF

CCSL : A033
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

1355 | ----- 15 [D] ----- | 1755

0630 | 65 [D] |

DSN COVERAGE
HPTXR

32 ----- 42 [D] ----- | 1050

1955 | ----- 43 [D] ----- | 0700

42 [o] 0800

HPTXR

RTLT : 16h 44m 36s

1200 RTLT=16h 44m 44s

0000 RTLT=16h 44m 52s

VOYAGER 2

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

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: 11/30/99 - 13:42

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 12, 1999
346-347

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 : 21h 16m 50s

1200 RTLT=21h 16m 54s

0000 RTLT=21h 16m 58s

VOYAGER 1

FDSL : 11AF

CCSL : A033
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] --- | 1030

1320 |----- 14 [D] -----| 2315

DSN COVERAGE HPTXR

32 --- 42 [o] --- | 0800 - 1045

2100 |----- 43 [D] -----| 0425 |----- 34 [D] -----| 0445

HPTXR

RTLT : 16h 44m 52s

1200 RTLT=16h 44m 58s

0000 RTLT=16h 45m 6s

VOYAGER 2

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

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: 11/30/99 - 13:42

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 13, 1999
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 : 21h 16m 58s

1200 RTLT=21h 17m 2s

0000 RTLT=21h 17m 6s

VOYAGER 1

↓ 1939 SLEW->HELIO-19A

FDSL : 11AF

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

SLEW->HELIO-18A 0739 ↓

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31

1345 | - - - - - 15 [D] - - - - - | 1755

1925 | - - - - - 24 [T] - - - - - | 0010

DSN COVERAGE HPTXR

32

34 [D] - - - - - | 1045

0110 | - - - - - 42 [D] - - - - - | 0630 | - 34 [O] - - - - - | 0635

HPTXR

RTLT : 16h 45m 6s

1200 RTLT=16h 45m 14s

0000 RTLT=16h 45m 22s

VOYAGER 2

↓ 0044 GYRO INIT

FDSL : 11AF

CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

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: 11/30/99 - 13:42

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 14, 1999
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 : 21h 17m 6s
VOYAGER 1
FDSL : 11AF
CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

1200 RTLT=21h 17m 8s
0000 RTLT=21h 17m 12s

↓ 1939 SLEW->HELIO-17A
TLC (SHORT-FORM) D/L 2145
▼ 1901 EL-40 (16:19)
▼ 1916 CCSL A034 (16:33)
▼ 1940 DUMMY (16:57)
▼ 1945 CR-5T (17:02)

0033 | 0034 PWS/RH
SLEW->HELIO-16A 0739 ↓

0033 GS-4B 0034

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

31 1325 |----- 14 -----| 2200 0620 |-- 65 [D] --|
2140 |--- 24 [D] ---| 0010

HPTXR
DSN COVERAGE 32 |----- 34 [o] -----| 1150 1945 |----- 43 [D] -----| 0355 0615 |-- 45 [D] --|
HPTXR

RTLT : 16h 45m 22s
VOYAGER 2
FDSL : 11AF
CCSL : B105
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

1200 RTLT=16h 45m 28s
0000 RTLT=16h 45m 36s

↓ 1805 BEGIN B106
2340 | 2340 PWS/RH
0053 | PLSCAL -| 0236
0053 |--- MAGCAL ---| 0356
0053 |---- PESCAL ----| 0413

2340 GS-4B 2340

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

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

NOTES
[1] S/C 32=GS-4B @ 2340 XB=2.8K(41) NOT RECOVERABLE
[2] S/C 31=GS-4B @ 0033 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: 11/30/99 - 13:42

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 15, 1999
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 : 21h 17m 12s

1200 RTLTL=21h 17m 16s

0000 RTLTL=21h 17m 20s

VOYAGER 1

↓ 1939 SLEW->HELIO-15A

SLEW->HELIO-14A 0739 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

*
1619
EL-40
*
1703

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

[1]

CR-5T
160(32)

31 65 [D] - | 0925

1530 |----- 14 [D] ----- | 2210

DSN COVERAGE
HPTXR

32 ----- 45 [D] ----- | 1155

0115 |----- 43 [B] ----- | 0405
0530 |----- 45 [D] -----

HPTXR

RTLTL : 16h 45m 36s

1200 RTLTL=16h 45m 44s

0000 RTLTL=16h 45m 50s

▼ 0142 DUMMY (BRACKETED 5MIN NO D/L)

VOYAGER 2

FDSL : 11AF

CCSL : B106
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : ON

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

VOYAGER COVERAGE

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

NOTES

[1] XB = 40(30) @ 1619

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: 11/30/99 - 13:42

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 16, 1999 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 : 21h 17m 20s VOYAGER 1 FDSL : 11AF CCSL : A033 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : OFF	1200 RTLT=21h 17m 22s 0000 RTLT=21h 17m 26s ↓ 1939 SLEW->HELIO-13A SLEW->HELIO-12A 0739 ↓
FDS MODE	CR-5T
XB DATA RATE (MI)	160(32)
31	1405 -----24 [D]----- 0000 0525 ---63 [D]---
DSN COVERAGE HPTXR	
32	-----45 [D]----- 1150 1935-0715 -----43 [D]----- 0655 34 [D]
HPTXR	
RTLT : 16h 45m 50s VOYAGER 2 FDSL : 11AF CCSL : B106 TWNC : ON SB : OFF XB : LOW PYR : .05/ .10/ .25 GYROS : ON	1200 RTLT=16h 45m 58s 1437 ----- 0000 RTLT=16h 46m 6s COMMAND MORATORIUM ↓ 0055 AAI 0058 -----MAGROL----- 0653 RAI 0646 ↓ CRU 0653 ↓ GYROS OFF 0653 ↓
FDS MODE	CR-5T
XB DATA RATE (MI)	160(32)
VOYAGER COVERAGE	----- ON CALL ----- -----VGR----- ON CALL -----
NOTES	[1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0058-0653)

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: 11/30/99 - 13:42

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 17, 1999
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

RTLT : 21h 17m 26s

1200 RTLT=21h 17m 28s

0000 RTLT=21h 17m 32s

VOYAGER 1

↓ 1939 SLEW->HELIO-11A

SLEW->MIDPNT-A 0739 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 ----- 63 [D] ----- | 1100 1400 |----- 24 [D] ----- | 2355 54 [D] 0710 |-----

HPTXR

0525- 0715 | - 63 [D] - - |

DSN COVERAGE

32 ----- 34 [D] ----- | 1135 2040 |----- 43 [D] ----- | 0345

HPTXR

RTLT : 16h 46m 6s

1200 RTLT=16h 46m 12s

0000 RTLT=16h 46m 20s

VOYAGER 2

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

FDSL : 11AF

CCSL : B106
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: 11/30/99 - 13:42

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 18, 1999
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

RTLT : 21h 17m 32s

1200 RTLT=21h 17m 36s

0000 RTLT=21h 17m 38s

VOYAGER 1

↓ 1939 SLEW->HELIO-10A

SLEW->HELIO-9A 0739 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 54 [D] -| 0920

1355 |----- 24 [D] -----| 2355

0520 |---- 63 [D] ----

DSN COVERAGE
HPTXR

1940 |----- 45 [D] -----| 0110

0635 |· 34 [o] -

HPTXR

RTLT : 16h 46m 20s

1200 RTLT=16h 46m 26s
----- COMMAND MORATORIUM -----| 1407

0000 RTLT=16h 46m 34s

VOYAGER 2

FDSL : 11AF

CCSL : B106
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: 11/30/99 - 13:42

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 19, 1999
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

RTLT : 21h 17m 38s

1200 RTLT=21h 17m 40s

0000 RTLT=21h 17m 44s

VOYAGER 1

↓ 1939 SLEW->HELIO-8A

SLEW->HELIO-7A 0739 ↓

FDSL : 11AF

CCSL : A033
TWNC : ON
SB : OFF XB : LOW
PYR : .05/ .10/ .25
GYROS : OFF

FDS MODE
XB DATA RATE (MI)

CR-5T
160(32)

31 -----63 [D] ----- | 1215
1355 | -----24 [D] ----- | 1840
0515 | -----63 [D] -----

DSN COVERAGE
HPTXR

32 -----34 [o] ----- | 1120
2305 | -----42 [D] -----

HPTXR

RTLT : 16h 46m 34s

1200 RTLT=16h 46m 40s

0000 RTLT=16h 46m 46s

VOYAGER 2

FDSL : 11AF

CCSL : B106
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