# VOYAGER

## Space Flight Operations Schedule (SFOS)

**Issue Date:** November 30, 2005  
**For the Period:** 12/01/2005 to 12/19/2005  
(05-335 – 05-353)

### DSN OPSCHIEF  (1)  230-102

**DSOT  (1)  230-102**

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* rwilliam@airmail.fltops.jpl.nasa.gov

### OTHER

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* Belinda.Arroyo@jpl.nasa.gov  
* Peter.T.Poon@jpl.nasa.gov  
* DSN-MPSETA@jjpl.jpl.nasa.gov

### SCIENCE

**CRS**  
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**LECP**  
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**UVS**  
* holberg@argus.lpl.arizona.edu

**MAG**  
* u2mha@lepvax.gsfc.nasa.gov

**PLS**  
* vgr@space.mit.edu

**PWS**  
* wsk@space.physics.uiowa.edu  
* Leonard.F.Burlaga@nasa.gov  
* Donald-Gurnett@uiowa.edu

### LEGEND:

- ▼ = R/T Command (Scheduled)
- ▲ = R/T Command (Last chance or Contingency)
- * = 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

**FLIGHT TEAM**  (18)  600-100

- Hall, J.
- Hogle, T.  
- Howard, S.  
- Jaeger, J.
- Ludwig, R.  
- Massey, Ed
- Matsumoto, S.
- Medina
- Poynter, R.
- Weeks, T.
- Wong, R.
- Zottarelli, L.
  
*odivers@san.rr.com

*Electronic Copy Only  
(18 – Dist/N: Paper Copies)  
10/05/05
## S/C 31
### INITIAL CONDITIONS
- RTLT: 27h 14m 48s
- CCSDL: A057
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

### 31 DSN COVERAGE
- **1200 RTLT 27h 14m 52s**
- **0000 RTLT 27h 14m 58s**

### NOTES
- **1200 RTLT 27h 14m 52s**
- **0000 RTLT 27h 14m 58s**
- **CR-5T**
- **160(32)**

---

## S/C 32
### INITIAL CONDITIONS
- RTLT: 21h 51m 46s
- CCSDL: B128
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: AC ON

### 32 DSN COVERAGE
- **1200 RTLT 21h 51m 48s**
- **0000 RTLT 21h 51m 54s**

### COMMAND MORATORIUM
- **1824**

### NOTES
- **ON CALL**

---
### S/C 31
**INITIAL CONDITIONS**
- RTLT: 27h 14m 58s
- CCSL: A057
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/10/.25
- GYROS: OFF

**FDS MODE**
- XB DATA RATE(MI)

**31 DSN COVERAGE**
- 1405

**32 DSN COVERAGE**
- 2055

### S/C 32
**INITIAL CONDITIONS**
- RTLT: 21h 51m 54s
- CCSL: B128
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/10/.25
- GYROS: AC ON

**FDS MODE**
- XB DATA RATE(MI)

**31 DSN COVERAGE**
- 1200 RTLT 27h 15m 4s

**32 DSN COVERAGE**
- 0000 RTLT 21h 52m 12s

### VGR COVERAGE
**ON CALL**

### NOTES
- [1] S/C 31=GS-4B @ 0844 XB=2.8K(41) NOT RECOVERABLE
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| FDS MODE |
| XB DATA RATE (MI) |
|----------|--------|
| CR-5T    | 160(32) |

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<p>| VGR COVERAGE |</p>
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| FDS MODE |
| XB DATA RATE (MI) |
|----------|--------|
| CR-5T    | 160(32) |

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**NOTES**

- **ON CALL**
  - 0800 - 2220

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**INITIAL CONDITIONS**

**S/C 31**
- RTLT: 27h 15m 24s
- CCSSL: A057
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

**S/C 32**
- RTLT: 21h 52m 38s
- CCSSL: B128
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: AC ON

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**FDS MODE**

**XB DATA RATE (MI)**

**31 DSN COVERAGE**

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**32 DSN COVERAGE**

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**ISSUE DATE:**
**MONDAY**
**DECEMBER 5, 2005**

**339-340**

**S/C 31**

**INITIAL CONDITIONS**
- RTLT: 27h 15m 18s
- CCSSL: A057
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

**FDS MODE**

**XB DATA RATE (MI)**

**31 DSN COVERAGE**

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**S/C 31**

**INITIAL CONDITIONS**
- RTLT: 27h 15m 28s
- CCSSL: B128
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: AC ON

**FDS MODE**

**XB DATA RATE (MI)**

**31 DSN COVERAGE**

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**ISSUE DATE:** 12/07/05 22:52

| TUESDAY | 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 |
| DECEMBER 6, 2005 | 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 |

### S/C 31
**INITIAL CONDITIONS**
- RTLT: 27h 15m 32s
- CCSL: A057
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

#### FDS MODE
**XB DATA RATE (MI)**
- CR-ST: 160(32)

#### 31 DSN COVERAGE
- 1200 RTLT 27h 15m 32s
- 0000 RTLT 27h 15m 38s
- 1720 CR-5T 1213
- 0900 63[D] RED
- 0800 45[D]
- 2330 34[D] 0130
- 0355 0755 45[D]

### S/C 32
**INITIAL CONDITIONS**
- RTLT: 21h 52m 46s
- CCSL: B128
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: AC ON

#### FDS MODE
**XB DATA RATE (MI)**
- CR-ST: 160(32)

#### 32 DSN COVERAGE
- 1200 RTLT 21h 52m 54s
- 0000 RTLT 21h 53m 2s
- 0101 0102 PWS/RH
- 0000 RTLT 21h 53m 2s
- 0101 0102 PWS/RH

### NOTES
1. S/C 31=GS-4B @ 0220 XB=2.8K(41) NOT RECOVERABLE
2. S/C 32=GS-4B @ 0101 XB=2.8K(41) NOT RECOVERABLE

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**UTC:** DEC 06

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**UTC:** DEC 07

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**ON CALL**

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### S/C 31
- **INITIAL CONDITIONS**
  - **RTLT:** 27h 15m 46s
  - **CCSL:** A057
  - **FDSL:** 11AF
  - **TWNC:** ON
  - **SB:** OFF
  - **XB:** LOW
  - **PYR:** .05/.10/.25
  - **GYROS:** OFF

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**FDS MODE**

- **XB DATA RATE (MI):** CR-5T
- **160(32)**

### S/C 32
- **INITIAL CONDITIONS**
  - **RTLT:** 21h 53m 18s
  - **CCSL:** B128
  - **FDSL:** 11AF
  - **TWNC:** ON
  - **SB:** OFF
  - **XB:** LOW
  - **PYR:** .05/.10/.25
  - **GYROS:** AC ON

### 32 DSN COVERAGE

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**FDS MODE**

- **XB DATA RATE (MI):** CR-5T
- **160(32)**

### VGR COVERAGE
- **ON CALL**
- **VGR**

### NOTES

- **COMMAND MORATORIUM**
- **0249**
- **0032** STOP GYRO FAULT TEST
- **0038**
- **0039** AACS MRO
- **0042** GYROS BC ON
- **0043** GYRO INIT
- **0052** GYRO FAULT TEST
- **0154**
- **0201** CCSTIM(B)
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**NOTES**

| UTC: | DEC 09 | DEC 10 |
ISSUE DATE: 12/07/05 22:52

S/C 31
INITIAL CONDITIONS
RTLT: 27h 16m 4s
CCSL: A057
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

FDS MODE
X B DATA RATE(MI)

31 DSN COVERAGE

S/C 32
INITIAL CONDITIONS
RTLT: 21h 53m 52s
CCSL: B128
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: BC ON

FDS MODE
X B DATA RATE(MI)

32 DSN COVERAGE

VGR COVERAGE

NOTES
[1] S/C 31=GS-4B @ 0820 XB=2.8K(41) NOT RECOVERABLE

CR-5T
160(32)

0820 - 0821 PWS/RH

1027 1041 TAPPOS

0820 GS-4B 0821

0000 RTLT 27h 16m 12s

0000 RTLT 21h 54m 0s

1200 RTLT 27h 16m 8s

1200 RTLT 21h 54m 8s

0800 - 1500

0045

0115

0820 - 0821 PWS/RH

1027 1041 TAPPOS

0820 GS-4B 0821
### S/C 31
**Initial Conditions**
- **RTLT:** 27h 16m 12s
- **CCSL:** A057
- **FDSS:** 11AF
- **TWNC:** ON
- **SB:** OFF
- **XB:** LOW
- **PYR:** .05/.10/.25
- **GYROS:** OFF

**FDS Mode**
- **XBR DATA RATE (MI):** CR-5T 160(32)

**DSN Coverage**

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</tr>
</tbody>
</table>

**Notes**

- 1200 RTLT 27h 16m 16s
- 0000 RTLT 27h 16m 20s

---

### S/C 32
**Initial Conditions**
- **RTLT:** 21h 54m 8s
- **CCSL:** B128
- **FDSS:** 11AF
- **TWNC:** ON
- **SB:** OFF
- **XB:** LOW
- **PYR:** .05/.10/.25
- **GYROS:** BC ON

**FDS Mode**
- **XBR DATA RATE (MI):** CR-5T 160(32)

**DSN Coverage**

<table>
<thead>
<tr>
<th>Time</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0615</td>
<td>45 [D]</td>
</tr>
<tr>
<td>1400</td>
<td></td>
</tr>
<tr>
<td>1630</td>
<td></td>
</tr>
<tr>
<td>2350</td>
<td>[D] 23</td>
</tr>
</tbody>
</table>

**Notes**

- 1200 RTLT 21h 54m 14s
- 0000 RTLT 21h 54m 22s

---

**ISSUE DATE:** SUNDAY, DECEMBER 11, 2005

**CR-5T ON CALL**
### S/C 31

**Initial Conditions**
- RTLT: 27h 16m 20s
- CCSL: A057
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

### DSN Coverage

<table>
<thead>
<tr>
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<th>160(32) X</th>
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<td>1200</td>
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<tr>
<td>0000</td>
<td>RTLT 27h 16m 28s</td>
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### S/C 32

**Initial Conditions**
- RTLT: 21h 54m 22s
- CCSL: B128
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: BC ON

### DSN Coverage

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<thead>
<tr>
<th>Time</th>
<th>CR-5T X</th>
<th>160(32) X</th>
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<td>1200</td>
<td>RTLT 21h 54m 30s</td>
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<tr>
<td>0000</td>
<td>RTLT 21h 54m 38s</td>
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**Notes:**
- 1605
- 63 [T]
- 0143 GYRO INIT

**On Call:**
**S/C 31**

INITIAL CONDITIONS

- RTLT: 27h 16m 32s
- U/L 1045
- TLC (SHORT-FORM)

**FDS MODE**

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

**31 DSN COVERAGE**

- 0156 GS-4B 0157
- 0038 GS-4B 0039
- 0152 0034
- 0038 GS-4B 0039
- 0152 0454
- 0152 0512

**32 DSN COVERAGE**

- 0156 GS-4B 0157
- 0038 GS-4B 0039
- 0152 0034
- 0038 GS-4B 0039
- 0152 0454
- 0152 0512

**S/C 32**

INITIAL CONDITIONS

- RTLT: 21h 54m 46s
- U/L 1045
- TLC (SHORT-FORM)

**FDS MODE**

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

**VGR COVERAGE**

- ON CALL

**NOTES**

- [1] S/C 31 = GS-4B @ 0156 XB = 2.8K(41) NOT RECOVERABLE
- [2] S/C 32 = GS-4B @ 0038 XB = 2.8K(41) NOT RECOVERABLE
**INITIAL CONDITIONS**

<table>
<thead>
<tr>
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<th>INITIAL CONDITIONS</th>
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<tbody>
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<td>FDSL: 11AF</td>
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<tr>
<td>TWNC: ON</td>
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<tr>
<td>SB: OFF</td>
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</tr>
<tr>
<td>XB: LOW</td>
<td></td>
</tr>
<tr>
<td>PYR: .05/.10/.25</td>
<td></td>
</tr>
<tr>
<td>GYROS: OFF</td>
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</tr>
</tbody>
</table>

**FDS MODE**

**XB DATA RATE(MI)**

**31 DSN COVERAGE**

| 1200 | RTLT 27h 16m 40s |
| 0000 | RTLT 27h 16m 44s |

**32 DSN COVERAGE**

| 2315 | 34 [D] 0535 |

**VGR COVERAGE**

**NOTES**

**ON CALL**
### S/C 31
**INITIAL CONDITIONS**
- **RTLTL**: 27th 16m 44s
- **CCSL**: A057
- **FDSL**: 11AF
- **TWNC**: ON
- **SB**: OFF
- **XB**: LOW
- **PYR**: .05/.10/.25
- **GYROS**: OFF

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

**31 DSN COVERAGE**

<table>
<thead>
<tr>
<th>Time</th>
<th>VGR COVERAGE</th>
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<tbody>
<tr>
<td>1630</td>
<td>25 [D]</td>
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<tr>
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<tr>
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**32 DSN COVERAGE**

<table>
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<th>Time</th>
<th>VGR COVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
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<td>0043</td>
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<tr>
<td>0047</td>
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<td>0153</td>
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</table>

**S/C 32**
**INITIAL CONDITIONS**
- **RTLTL**: 21th 55m 16s
- **CCSL**: B128
- **FDSL**: 11AF
- **TWNC**: ON
- **SB**: OFF
- **XB**: LOW
- **PYR**: .05/.10/.25
- **GYROS**: BC ON

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

**VGR COVERAGE**

<table>
<thead>
<tr>
<th>Time</th>
<th>VGR</th>
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</thead>
<tbody>
<tr>
<td>1200</td>
<td>CRU</td>
</tr>
<tr>
<td>0000</td>
<td>CRU</td>
</tr>
</tbody>
</table>

**NOTES**
- [1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0143-0751)

---

**ISSUE DATE:** 12/07/05
**THURSDAY DECEMBER 15, 2005**

**PST:** 349-350
**UTC:** DEC 15

**CR-5T**

**160(32)**

**1600 RTLT 27h 16m 48s**

**0000 RTLT 27h 16m 52s**
**ISSUE DATE:** 12/07/05 22:52

**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 |
| DEC 17, 2005 351-352 | 1200 RTLT 27h 17m 2s | 0000 RTLT 27h 17m 4s |

**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 |
| DEC 17 | 1004 | 1017 TAPPOS |

**S/C 31 INITIAL CONDITIONS**
- RTLT: 27h 16m 58s
- CCSL: A057
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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

**31 DSN COVERAGE**
- 1410 | 15 [D] | 2325
- 65 [D] | 1300 | 60
- 65 [D] | 0710 | 60

**32 DSN COVERAGE**
- 2000 | 45 [D] | 0335

**S/C 32 INITIAL CONDITIONS**
- RTLT: 21h 55m 38s
- CCSL: B128
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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

**VGR COVERAGE**

**NOTES**
- ON CALL

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**CR-5T**
- 160(32)