## VOYAGER
### Space Flight Operations Schedule (SFOS)

**Issue Date:** August 16, 2022  
**For the Period:** 08/11/22 to 09/05/22  
(22/230 – 22/248)

**Posted at:** [https://voyager.jpl.nasa.gov/mission/status/](https://voyager.jpl.nasa.gov/mission/status/)

### LEGEND:

- **V** = 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
- **A** = Arrayed station
- **B** = BLF
- **D** = Downlink only pass
- **H** = High Power Transmitter
- **R** = Array Reference Antenna
- **T** = TLC Uplink
- **U** = Uplink only pass
- **[o]** = Ramp-through

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02/27/19
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|--------|---------------------|---------------------------------------------------------------|
|        | AUG 19              |                                                              |
|        | AUG 20              |                                                              |

ISSUE DATE: 08/16/22 22:27
### INITIAL CONDITIONS

**S/C 31**
- **PDT:** 232-233
- **UTC:**

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| 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:** 43h 31m 6s
- **CCSL:** BASELINE
- **DSL:** 11AF
- **TWNC:** ON
- **SB:** OFF
- **XB:** LOW
- **PYR:** .05/.10/.25
- **GYROS:** OFF

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

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**S/C 32**
- **PDT:**
- **UTC:**

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- **RTLT:** 36h 8m 52s
- **CCSL:** B197
- **TWNC:** ON
- **SB:** OFF
- **XB:** LOW
- **PYR:** .05/.10/.25
- **GYROS:** OFF

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

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**NOTES**

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**FDS MODE**

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**VGR COVERAGE**

**NOTES**

**ON CALL**
### S/C 31
**INITIAL CONDITIONS**
- **RTLT:** 43h 31m 52s
- **CCSL:** BASELINE
- **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**
```
0045 14 [D]
```

**32 DSN COVERAGE**
```
1420 43 [D]
```

---

### S/C 32
**INITIAL CONDITIONS**
- **RTLT:** 36h 9m 18s
- **CCSL:** B197
- **FDSL:** 11AF
- **TWNC:** ON
- **SB:** OFF
- **XB:** LOW
- **PYR:** .05/.10/.25
- **GYROS:** OFF

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

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**NOTES**
- **ON CALL**
### Issue Date: 08/16/22 22:27

#### 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 |

#### 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 |

| **S/C 31** | **INITIAL CONDITIONS** |
| RTLT: 43h 32m 14s |
| CCSL: BASELINE |
| FDSL: 11AF |
| TWCN: ON |
| SB: OFF |
| XB: LOW |
| PYR: .05/.10/.25 |
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**FDS MODE**

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### 31 DSN COVERAGE

| 0730 14 [D] |
| 10 10 |

### 32 DSN COVERAGE

| 1118 1420 |
| PLSCAL |
| 1300 1438 |
| MAGCAL |
| PESCAL |

#### Notes

**ON CALL**

**CR-5T**

| 0430 43 [D] |

**ISSUE DATE:** TUESDAY AUGUST 23, 2022
### S/C 31

**Initial Conditions**
- RTLT: 43h 32m 38s
- CCSL: BASELINE
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: 0.05/0.10/0.25
- GYROS: OFF

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### S/C 32

**Initial Conditions**
- RTLT: 36h 9m 52s
- CCSL: B197
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: 0.05/0.10/0.25
- GYROS: OFF

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### VGR Coverage

**Notes**
- DSS-43 HP DRV ON >= 04:10

**Issues Date:** Wednesday, August 24, 2022
### S/C 31
**INITIAL CONDITIONS**
- RTLT: 43h 33m 0s
- CCSL: BASELINE
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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### S/C 32
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- RTLT: 36h 10m 10s
- CCSL: B197
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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**NOTES**
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**FRI, AUGUST 26, 2022, 238-239**

**S/C 31 INITIAL CONDITIONS**
- RTLT: 43h 33m 24s
- CCSL: BASELINE
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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

**TLC (SHORT-FORM)**

**31 DSN COVERAGE**

| 14 [T] | 0825 |
| 10     |

| 2150   |
| 14 [D] |
| 0200   |

| 1105   |
| 1325   |
| 43 [D] |
| 40     |

| 60     |

**32 DSN COVERAGE**

| 43 [D] | 1015 |
| 40     |

| 1425   |
| 43 [O] |
| 2030   |
| 0415   |
| 43 [D] |

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

**NOTES**
- 1200 RTLT 43h 33m 36s
- 0000 RTLT 43h 33m 48s
- 1200 RTLT 36h 10m 36s
- 0000 RTLT 36h 10m 46s
- *1706 1723 SHUNT POWER TEST*
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<td>XB: LOW</td>
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**FDS MODE**

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<tr>
<td>160(32)</td>
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**31 DSN COVERAGE**

| 2055 | 14 [D] | 0055 |
| 60 |

**32 DSN COVERAGE**

| 43 [D] | 1240 |
| 40 |

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**VGR COVERAGE**

| ON CALL |

**NOTES**

---

**ISSUE DATE:** 08/16/22

**PDT:**

**UTC:**

---

**1200 RTLT 43h 33m 58s**

---

**0000 RTLT 43h 34m 10s**

---

**D/L - 0006**

---

**CR-5T**

---

**160(32)**

---

**VGR COVERAGE**

**ON CALL**

---

**1200 RTLT 43h 34m 10s**

---

**1200 RTLT 36h 10m 56s**

---

**0000 RTLT 36h 11m 4s**

---

**CR-5T**

---

**160(32)**

---

**VGR COVERAGE**

**ON CALL**

---

**1200 RTLT 43h 34m 10s**

---

**1200 RTLT 36h 10m 56s**

---

**0000 RTLT 36h 11m 4s**

---

**CR-5T**

---

**160(32)**

---

**VGR COVERAGE**

**ON CALL**

---

**1200 RTLT 43h 34m 10s**

---

**1200 RTLT 36h 10m 56s**

---

**0000 RTLT 36h 11m 4s**

---

**CR-5T**

---

**160(32)**

---

**VGR COVERAGE**

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**S/C 31 INITIAL CONDITIONS**
- RTLT: 43h 34m 10s
- CCSL: BASELINE
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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

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**31 DSN COVERAGE**
- 10... |
- 2050 |
- 14 [D] |
- 0150 |
- 10 |
- 40 |
- 60 |

**32 DSN COVERAGE**
- 43 [D] |
- 1725 |
- 43 [o] 0635 |
- 40 |

**S/C 32 INITIAL CONDITIONS**
- RTLT: 36h 11m 4s
- CCSL: B197
- 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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### S/C 31
**INITIAL CONDITIONS**
- RTLT: 43h 34m 34s
- CCSL: BASELINE
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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

**31 DSN COVERAGE**

**32 DSN COVERAGE**

### S/C 32
**INITIAL CONDITIONS**
- RTLT: 36h 11m 22s
- CCSL: B197
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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

**VGR COVERAGE**

**NOTES**

**On Call**

---

**ISSUE DATE:** 08/16/22
ISSUE DATE: 08/16/22

**TUESDAY**
AUGUST 30, 2022
242-243

UTC:

| 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 |
| 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 |

**S/C 31**
INITIAL CONDITIONS
RTLTL: 43h 34m 58s
CCSL: BASELINE
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

E1 1200 RTLT 43h 35m 10s
0853 GS-4B 0854

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

31 DSN COVERAGE
-14 [D] 0810
-10 ... 40 ... 18 0320 -0650 14[D] -
60 40 ...

32 DSN COVERAGE
1425 40 43 [D] 2055 0535 -43 [B] -

**S/C 32**
INITIAL CONDITIONS
RTLTL: 36h 11m 50s
CCSL: B197
FDSL: 11AF
TWNC: ON
SB: OFF
XB: LOW
PYR: .05/.10/.25
GYROS: OFF

E1 1200 RTLT 36h 11m 50s

DUMMY (5 MIN BRACKETED 19:00) 0647▼

VGR COVERAGE
NOTES
ON CALL

0000 RTLT 36h 12m 0s

UTC:

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UTC:

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| 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 |

AUG 30  Page 34 of 19  AUG 31
### WEDNESDAY
#### AUGUST 31, 2022

**INITIAL CONDITIONS**
- **RTLT:** 43h 35m 20s
- **CCSL:** BASELINE
- **FDSL:** 11AF
- **TWNC:** ON
- **SB:** OFF
- **XB:** LOW
- **PYR:** .05/.10/.25
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**FDS MODE**
- **XB DATA RATE (MI):** 160(32)

**31 DSN COVERAGE**

**32 DSN COVERAGE**

### S/C 32
#### INITIAL CONDITIONS
- **RTLT:** 36h 12m 0s
- **CCSL:** B197
- **FDSL:** 11AF
- **TWNC:** ON
- **SB:** OFF
- **XB:** LOW
- **PYR:** .05/.10/.25
- **GYROS:** OFF

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

**VGR COVERAGE**
- **VGR:** ON CALL

### NOTES
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**31 DSN COVERAGE**

| 0715 | 14 [D] |
| 10 |
| 2035 | 14 [D] | 2200 |

**32 DSN COVERAGE**

| 1330 | 43 [D] | 2015 |

**VGR COVERAGE**

| CR-5T |

**NOTES**

**ON CALL**
**ISSUE DATE:** 08/16/22  22:27

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### S/C 31

**INITIAL CONDITIONS**
- RTLT: 43h 36m 8s
- CCSL: BASELINE
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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

### 31 DSN COVERAGE
- 14 [D] 0800
- 2030
- 14 [D] 2320
- .......... 10
- ............. 40
- .................. 60

### 32 DSN COVERAGE
- 0515
- 43 [D]

### S/C 32

**INITIAL CONDITIONS**
- RTLT: 36h 12m 38s
- CCSL: B197
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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

### VGR COVERAGE

### NOTES
- ON CALL

---

**CR-5T 160(32)**
## Initial Conditions

### S/C 31
- RTLT: 43h 36m 56s
- CCSL: BASELINE
- FDSL: 11AF
- TWCN: ON
- SB: OFF
- XB: LOW
- PYR: 0.05/0.10/0.25
- GYROS: OFF

### FDS Mode

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### 31 DSN Coverage

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### 32 DSN Coverage

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### Initial Conditions

### S/C 32
- RTLT: 36h 13m 16s
- CCSL: B197
- FDSL: 11AF
- TWCN: ON
- SB: OFF
- XB: LOW
- PYR: 0.05/0.10/0.25
- GYROS: OFF

### FDS Mode

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### VGR Coverage

### Notes
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| S/C 31 DSN COVERAGE       | .10 - |                      |
|                          |       | 40                     |

| 32 DSN COVERAGE           | 43 [o] | 0855                  |

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| VGR COVERAGE              |                   |             |

| NOTES                     |                   |             |

| JPL HOLIDAY!              |                   |             |