VOYAGER
Space Flight Operations Schedule (SFOS)

Issue Date: April 21, 2020
For the Period: 04/23/20 to 05/11/20

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

Posted at https://voyager.jpl.nasa.gov/mission/status/

02/27/19
<table>
<thead>
<tr>
<th>S/C 31</th>
<th>INITIAL CONDITIONS</th>
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<tbody>
<tr>
<td>RTLT: 41h 7m 56s</td>
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<tr>
<td>CCSL: A115</td>
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<tr>
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<tr>
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<tr>
<td>SB: OFF</td>
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<tr>
<td>XB: LOW</td>
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<tr>
<td>PYR: .05/.10/.25</td>
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<td>GYROS: OFF</td>
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<tr>
<th>FDS MODE</th>
<th>XB DATA RATE(MI)</th>
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<tr>
<td>CR-5T</td>
<td>160(32)</td>
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<table>
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<tr>
<th>31 DSN COVERAGE</th>
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<tbody>
<tr>
<td>14 [D] 0940</td>
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<td>1230</td>
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<td>CR-5T</td>
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**NOTES**

- **ON CALL**

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## Initial Conditions

### S/C 31
- **Initial Conditions:**
  - FDSL: 11AF
  - CSQL: A115
  - TWNC: ON
  - SB: OFF
  - XB: LOW
  - PYR: .05/.10/.25
  - GYROS: OFF

### FDS Mode
- XB DATA RATE (MI): 150

### DSN Coverage
- **31 DSN Coverage:**
  - 0740 14 [D]
  - 0800 10 [D] 40 [D] 60

- **32 DSN Coverage:**
  - 1225 35 [DAR] 1625
  - 1225 36 [DA] 1625

### VGR Coverage

### Notes
- **ON CALL**

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### CR-5T

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### Cangen

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### APR 24

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### APR 25
### S/C 31
**INITIAL CONDITIONS**
- RTLT: 41h 7m 56s
- CCSR: A115
- FDS: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

**FDS MODE**
- XB DATA RATE (MI): 1.4K(39)
- CR-5T: 160(32)

**31 DSN COVERAGE**

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**32 DSN COVERAGE**

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### S/C 32
**INITIAL CONDITIONS**
- RTLT: 34h 13m 48s
- CCSR: B186
- FDS: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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

**CR-5T**

- 1200 RTLT 34h 13m 46s
- 0000 RTLT 34h 13m 44s

**VGR COVERAGE**

**NOTES**

- ON CALL
### S/C 31 Initial Conditions
- RTLT: 41h 7m 58s
- CCSL: A115
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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### VGR Coverage

#### Notes
- ON CALL

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### S/C 32 Initial Conditions
- RTLT: 34h 13m 44s
- CCSL: B186
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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### 32 DSN Coverage

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<td>GYROS: OFF</td>
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**ISSUE DATE:** 04/21/20 21:21

**MONDAY:**

**APRIL 27, 2020**

**118-119**

**RTC:**

**04/21/20 21:21**

**RTLT:** 41h 7m 58s

**CCSL:** A115

**DSSL:** 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**

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**32 DSN COVERAGE**

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**NOTES**

**ON CALL**
### ISSUE DATE: 04/21/20

**PDT:** 0

**UTC:** APR 30

### S/C 31

**INITIAL CONDITIONS**
- RTL: 41h 8m 2s
- CCSL: A115
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

**FDS MODE**
- X: CR-5T

**XB DATA RATE(MI)**

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**160(32)**

**31 DSN COVERAGE**
- 1200 RTL: 34h 13m 24s
- 1200 DSN COVERAGE 34 [DAR] 1600
- 1200 DSN COVERAGE 35 [DA] 1600
- 1200 DSN COVERAGE

**32 DSN COVERAGE**
- 1200 RTL: 34h 13m 26s
- 1200 DSN COVERAGE 34 [DAR] 1600
- 1200 DSN COVERAGE 35 [DA] 1600
- 1200 DSN COVERAGE

**NOTES**
- ON CALL

**CR-5T**

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**APR 30**

MAY 01
### S/C 31

**INITIAL CONDITIONS**

- **RTLT:** 41h 8m 2s
- **CCSL:** A115
- **FDSL:** 11AF
- **TWNC:** ON
- **SB:** OFF
- **XB:** LOW
- **PYR:** .05/.10/.25
- **GYROS:** OFF

**FDS MODE**

- **XB DATA RATE(MI):** 1200

**31 DSN COVERAGE**

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**TLC (SHORT-FORM)**

- **D/L:** 0021

**S/C 32**

**INITIAL CONDITIONS**

- **RTLT:** 34h 13m 2s
- **CCSL:** B186
- **FDSL:** 11AF
- **TWNC:** ON
- **SB:** OFF
- **XB:** LOW
- **PYR:** .05/.10/.25
- **GYROS:** OFF

**FDS MODE**

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

**32 DSN COVERAGE**

- **1220**
- **1200**
- **1200**
- **1600**

### NOTES

- **TLC (SHORT-FORM)**

- **D/L:** 0021
## Initial Conditions

### S/C 31
- **RTLT:** 41h 8m 4s
- **CCSL:** A115
- **FDSL:** 11AF
- **TWNC:** ON
- **SB:** OFF
- **XB:** LOW
- **PYR:** .05/.10/.25
- **GYROS:** OFF

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

### 31 DSN Coverage
- **0750 14 [D]**
- **10**
- **48**
- **2100**
- **63 [D]**
- **0140**

### 32 DSN Coverage
- **1155**
- **36 [DA]**
- **1800**
- **2345**
- **34 [DA]**
- **0215**

### VGR Coverage
- **1200 RTLT 41h 8m 4s**
- **0000 RTLT 41h 8m 4s**

## Notes
- **ON CALL**
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**FDS MODE**

**XB DATA RATE (MI)**

**31 DSN COVERAGE**

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**32 DSN COVERAGE**

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**VGR COVERAGE**

**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  | 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  | 0 |

**ISSUE DATE:** 04/21/20 21:21

**FDS MODE**

**XB DATA RATE (MI)**

**FDSL: 11AF**

**31 DSN COVERAGE**

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**VGR COVERAGE**

**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  | 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  | 0 |
### MONDAY

**MAY 4, 2020**  
**125-126**

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**ISSUE DATE:** MONDAY MAY 4, 2020

**125-126**

**S/C 31**

**INITIAL CONDITIONS**

**RTLT: 41h 8m 8s**  
**CCSL: A115**  
**FDSL: 11AF**  
**TWNC: ON**  
**SB: OFF**  
**XB: LOW**  
**PYR: .05/.10/.25**  
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**FDS MODE**

**CR-5T**

**XB DATA RATE(MI)**

**160(32)**

**31 DSN COVERAGE**

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**S/C 32**

**INITIAL CONDITIONS**

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**FDS MODE**

**CR-5T**

**XB DATA RATE(MI)**

**160(32)**

**VGR COVERAGE**

**NOTES**

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**S/C 31**

**INITIAL CONDITIONS**

- RTLT: 41h 8m 12s
- CCSL: A115
- FDSL: 11AF
- TWNC: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

**FDS MODE**

**XB DATA RATE (Mi)**

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**32 DSN COVERAGE**

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**S/C 32**

**INITIAL CONDITIONS**

- RTLT: 34h 13m 2s
- CCSL: B186
- 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

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**ISSUE DATE:** 04/21/20 21:21

**CR-5T**

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**S/C 31**

**INITIAL CONDITIONS**
- RTLT: 41h 8m 18s
- CCSL: A115
- FDSL: 11AF
- TWCN: 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 32**

**INITIAL CONDITIONS**
- RTLT: 34h 12m 54s
- CCSL: B186
- FDSL: 11AF
- TWCN: ON
- SB: OFF
- XB: LOW
- PYR: .05/.10/.25
- GYROS: OFF

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

**32 DSN COVERAGE**

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**NOTES**
- ON CALL
### FDS MODE

#### XB DATA RATE (MI)

- **S/C 31**
  - Initial Conditions:
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    - CCSS: A115
    - FDSS: 11AF
    - TWNC: ON
    - SB: OFF
    - XB: LOW
    - PRY: .05/.10/.25
    - GYROS: OFF
  - TLC (SHORT-FORM)
    - RTLT: 41h 8m 22s
  - D/L - 0006

#### 31 DSN COVERAGE

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- 63 [D] 0150
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- 160 [32]

#### 32 DSN COVERAGE

- 1125
- 35 [DAR] 1610
- 34 [DA] 1610
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- 34 [DAR] 0240
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- 36 [DA] 0240
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### FDS MODE

#### XB DATA RATE (MI)

- **S/C 32**
  - Initial Conditions:
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    - CCSS: B186
    - FDSS: 11AF
    - TWNC: ON
    - SB: OFF
    - XB: LOW
    - PRY: .05/.10/.25
    - GYROS: OFF
  - TLC (SHORT-FORM)
    - RTLT: 34h 12m 50s
  - D/L - 0006

#### 32 DSN COVERAGE

- 1200
- 35 [DAR] 1610
- 34 [DA] 1610
- 2145
- 34 [DAR] 0240
- 2145
- 36 [DA] 0240
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### VGR COVERAGE

#### ON CALL

### NOTES

- **MAY 09**
- **MAY 10**
**ISSUE DATE:** 04/21/20  21:21

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**S/C 32**

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CR-5T

**31 DSN COVERAGE**

- 14 [D] 0840

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</table>

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

CR-5T

**VGR COVERAGE**

ON CALL

**NOTES**