16419 - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Cycle: 28, Proposal Category: CAL/ACS
(Availability Mode: RESTRICTED)

INVESTIGATORS

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-Mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Jenna Ryon (PI) (Contact)</td>
<td>Space Telescope Science Institute</td>
<td><a href="mailto:ryon@stsci.edu">ryon@stsci.edu</a></td>
</tr>
</tbody>
</table>

VISITS

<table>
<thead>
<tr>
<th>Visit</th>
<th>Targets used in Visit</th>
<th>Configurations used in Visit</th>
<th>Orbits Used</th>
<th>Last Orbit Planner Run</th>
<th>OP Current with Visit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:13.0</td>
<td>yes</td>
</tr>
<tr>
<td>02</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:14.0</td>
<td>yes</td>
</tr>
<tr>
<td>03</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:14.0</td>
<td>yes</td>
</tr>
<tr>
<td>04</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:15.0</td>
<td>yes</td>
</tr>
<tr>
<td>05</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:15.0</td>
<td>yes</td>
</tr>
<tr>
<td>06</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:15.0</td>
<td>yes</td>
</tr>
<tr>
<td>07</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:16.0</td>
<td>yes</td>
</tr>
<tr>
<td>08</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:16.0</td>
<td>yes</td>
</tr>
<tr>
<td>09</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:17.0</td>
<td>yes</td>
</tr>
<tr>
<td>10</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:17.0</td>
<td>yes</td>
</tr>
<tr>
<td>11</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:17.0</td>
<td>yes</td>
</tr>
<tr>
<td>12</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:18.0</td>
<td>yes</td>
</tr>
<tr>
<td>13</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:18.0</td>
<td>yes</td>
</tr>
<tr>
<td>14</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:18.0</td>
<td>yes</td>
</tr>
<tr>
<td>Visit</td>
<td>Targets used in Visit</td>
<td>Configurations used in Visit</td>
<td>Orbits Used</td>
<td>Last Orbit Planner Run</td>
<td>OP Current with Visit?</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------</td>
<td>------------------------------</td>
<td>-------------</td>
<td>------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>15</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:19.0</td>
<td>yes</td>
</tr>
<tr>
<td>16</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:19.0</td>
<td>yes</td>
</tr>
<tr>
<td>17</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:20.0</td>
<td>yes</td>
</tr>
<tr>
<td>18</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:20.0</td>
<td>yes</td>
</tr>
<tr>
<td>19</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:20.0</td>
<td>yes</td>
</tr>
<tr>
<td>20</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:21.0</td>
<td>yes</td>
</tr>
<tr>
<td>21</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:21.0</td>
<td>yes</td>
</tr>
<tr>
<td>22</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:21.0</td>
<td>yes</td>
</tr>
<tr>
<td>23</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:22.0</td>
<td>yes</td>
</tr>
<tr>
<td>24</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:22.0</td>
<td>yes</td>
</tr>
<tr>
<td>25</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:23.0</td>
<td>yes</td>
</tr>
<tr>
<td>26</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:23.0</td>
<td>yes</td>
</tr>
<tr>
<td>27</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:23.0</td>
<td>yes</td>
</tr>
<tr>
<td>28</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:24.0</td>
<td>yes</td>
</tr>
<tr>
<td>29</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:24.0</td>
<td>yes</td>
</tr>
<tr>
<td>30</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:24.0</td>
<td>yes</td>
</tr>
<tr>
<td>31</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:25.0</td>
<td>yes</td>
</tr>
<tr>
<td>32</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:25.0</td>
<td>yes</td>
</tr>
<tr>
<td>33</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:26.0</td>
<td>yes</td>
</tr>
<tr>
<td>34</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:26.0</td>
<td>yes</td>
</tr>
<tr>
<td>35</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:26.0</td>
<td>yes</td>
</tr>
<tr>
<td>36</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:27.0</td>
<td>yes</td>
</tr>
<tr>
<td>37</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:27.0</td>
<td>yes</td>
</tr>
<tr>
<td>38</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:27.0</td>
<td>yes</td>
</tr>
<tr>
<td>39</td>
<td>DARK</td>
<td>ACS/WFC</td>
<td>1</td>
<td>24-Aug-2020 16:00:28.0</td>
<td>yes</td>
</tr>
</tbody>
</table>
ABSTRACT

The purpose of this program is to obtain a set of calibration dark frames over the course of a single anneal cycle with reduced exposure time and post-flash relative to the CCD Daily Monitor program. This is a follow-up to program 16116, which obtained 340s darks at three flash levels. Analysis of that program found promising results in recovery of warm/hot pixels and reducing saturated pixels. In this program we will obtain 96 long (550s) darks and 24 short (0.5s) darks with 25e- post-flash over the course of an anneal cycle, concurrently with the Daily Monitor. We will compare the 550s superdark from this program to that from the Daily Monitor to study warm/hot pixel recovery and noise properties of each.

OBSERVING DESCRIPTION

This program will obtain 96 long (340s) darks and 24 short (0.5s) darks post-flashed to 25e- over 48 internal orbits. This program must be executed between two consecutive ACS anneals in order to compare the results directly to the Daily Monitor. The period between two consecutive ACS anneals is typically ~28 days, so we created two GROUP WITHIN 28-day special requirements, each containing 24 visits (to get around the 32 visit limit of GROUP WITHIN). Both sets of 24 visits should be executed during the same 28 day period. The latter 2/3 of the Daily Monitor program may need to be modified based on the results of this program, so scheduling this program as early as possible in Cycle 28 would be greatly preferred. We would also prefer if these data could be taken at the same cadence as the Daily Monitor, i.e., 4 orbits on each of 3 days per week, such as Tuesday, Thursday, Saturday. This is reflected in comments of the form "Week 1, Day 1" in each visit. If a 3x per week cadence is too difficult to schedule, spreading the observations evenly over the 28 day period between ACS anneals would be preferred over clustering them at the beginning or
end of the period.
Proposal 16419 - Short dark, 2 long darks (01) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

## Visit

*Proposal 16419, Short dark, 2 long darks (01), implementation*

**Diagnostic Status:** Warning

**Scientific Instruments:** ACS/WFC

**Special Requirements:** SEQ 01,02,03,04 WITHIN 1 D

**Comments:** Week 1, Day 1

---

## Diagnostics

(Short dark, 2 long darks (01)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

---

## Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

## Orbit Structure

*Server Version: 20200619*

---

#### Orbit 1

Exp. 1

Unused Orbital Visibility = 3142

Exp. 2

Exp. 3

Occultation

---

5
Proposal 16419 - 2 long darks (02) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit

Visit Proposal 16419, 2 long darks (02), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 1, Day 1

Diagnostics

(2 long darks (02)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3142
Exp. 2
Occultation

Server Version: 20200619
Proposal 16419 - Short dark, 2 long darks (03) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Diagnostics

(Short dark, 2 long darks (03)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[x]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[x]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[x]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Occultation
Proposal 16419 - 2 long darks (04) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit 16419, 2 long darks (04), implementation

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: (none)

Comments: Week 1, Day 1

Diagnostics

(2 long darks (04)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Server Version: 20200619

Unused Orbital Visibility = 3142

Exp. 1  Exp. 2  Occultation
Proposal 16419 - Short dark, 2 long darks (05) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit Proposal 16419, Short dark, 2 long darks (05), implementation

Scientific Instruments: ACS/WFC

Special Requirements: AFTER 01 BY 1.5 D TO 2.5 D; SEQ 05,06,07,08 WITHIN 1 D

Comments: Week 1, Day 2

Diagnostics (Short dark, 2 long darks (05)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Server Version: 20200619

8
**Proposal 16419 - 2 long darks (06) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash**

**Visit**
- Proposal 16419, 2 long darks (06), implementation
- Diagnostic Status: Warning
- Scientific Instruments: ACS/WFC
- Special Requirements: (none)
- Comments: Week 1, Day 2

**Diagnostics**

(2 long darks (06)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td>[==&gt;]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td>[==&gt;]</td>
<td></td>
</tr>
</tbody>
</table>

**Orbit Structure**

- Unused Orbital Visibility = 3142
- Exp. 1
  - Exp. 2
  - Occultation

Server Version: 20200619
# Proposal 16419 - Short dark, 2 long darks (07) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**Visit**
- Proposal 16419, Short dark, 2 long darks (07), implementation
- Diagnostic Status: Warning
- Scientific Instruments: ACS/WFC
- Special Requirements: (none)
- Comments: Week 1, Day 2

**Diagnostics**
(Short dark, 2 long darks (07)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=NONE</td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
</tbody>
</table>

**Orbit Structure**

[Diagram of Orbit 1 with Exp. 1, Exp. 2, Exp. 3, and Occultation]
### Proposal 16419 - 2 long darks (08) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**Visit**
- Proposal 16419, 2 long darks (08), implementation
- Diagnostic Status: Warning
- Scientific Instruments: ACS/WFC
- Special Requirements: (none)
- Comments: Week 1, Day 2

**Diagnostics**
(2 long darks (08)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**
- Unused Orbital Visibility = 3142
- Exp. 1
- Exp. 2
- Occultation

**Server Version: 20200619**
Proposal 16419 - Short dark, 2 long darks (09) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**Visit**
- **Proposal 16419, Short dark, 2 long darks (09), implementation**
- **Scientific Instruments**: ACS/WFC
- **Special Requirements**: AFTER 01 BY 3.5 D TO 4.5 D; SEQ 09,10,11,12 WITHIN 1 D
- **Comments**: Week 1, Day 3

**Diagnostics**
(Short dark, 2 long darks (09)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

[Diagram showing orbit structure with labels and visibility information]
Proposal 16419 - 2 long darks (10) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit
Proposal 16419, 2 long darks (10), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 1, Day 3

Exposures
(2 long darks (10)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Server Version: 20200619
Proposal 16419 - Short dark, 2 long darks (11) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit

Proposal 16419, Short dark, 2 long darks (11), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 1, Day 3

Diagnostics

(Short dark, 2 long darks (11)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3142
Exp. 2
Exp. 3
Occultation

Server Version: 20200619
Proposal 16419 - 2 long darks (12) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit

Proposal 16419, 2 long darks (12), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 1, Day 3

Diagnostics

(2 long darks (12)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Server Version: 20200619

Orbit 1
Exp. 1
Unused Orbital Visibility = 3142
Exp. 2
Occultation
Proposal 16419 - Short dark, 2 long darks (13) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Diagnostics

(Short dark, 2 long darks (13)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE</td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Server Version: 20200619
Proposal 16419 - 2 long darks (14) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Diagnostics

(2 long darks (14)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Occultation
Proposal 16419 - Short dark, 2 long darks (15) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit

Proposal 16419, Short dark, 2 long darks (15), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 2, Day 1

Diagnostics

(Short dark, 2 long darks (15)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=None</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Server Version: 20200619
Proposal 16419 - 2 long darks (16) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**Visit**
Proposal 16419, 2 long darks (16), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 2, Day 1

**Diagnostics**
(2 long darks (16)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

---

Server Version: 20200619
Proposal 16419 - Short dark, 2 long darks (17) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit

Scientific Instruments: ACS/WFC
Special Requirements: AFTER 01 BY 8.5 D TO 9.5 D; SEQ 17,18,19,20 WITHIN 1 D

Comments: Week 2, Day 2

Diagnostics

(Short dark, 2 long darks (17)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Occultation

Server Version: 20200619
Visit
Proposal 16419, 2 long darks (18), implementation

Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 2, Day 2

Diagnostics
(2 long darks (18)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Occultation

Server Version: 20200619
Proposal 16419 - Short dark, 2 long darks (19) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

### Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 2, Day 2

(Short dark, 2 long darks (19)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=NONE</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

### Orbit Structure

Orbit 1

Expo. 1

Exp. 1

Unused Orbital Visibility = 3142

Exp. 3

Occultation

Server Version: 20200619
Proposition 16419 - 2 long darks (20) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**diagnostic status:** Warning

**scientific Instruments:** ACS/WFC

**special requirements:** (none)

**comments:** Week 2, Day 2

---

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=NONE</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

---

**orbit structure**

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Occultation

Server Version: 20200619
Proposal 16419 - Short dark, 2 long darks (21) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit
Proposal 16419, Short dark, 2 long darks (21), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: AFTER 01 BY 10.5 D TO 11.5 D; SEQ 21,22,23,24 WITHIN 1 D
Comments: Week 2, Day 3

Diagnostics
(Short dark, 2 long darks (21)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Occultation

Server Version: 20200619
### Proposal 16419 - 2 long darks (22) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**Visit**

- **Proposal 16419, 2 long darks (22), implementation**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** ACS/WFC
- **Special Requirements:** (none)
- **Comments:** Week 2, Day 3

**Diagnostics**

(2 long darks (22)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=None</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

### Orbit Structure

- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Occultation

- **Server Version:** 20200619
## Proposal 16419 - Short dark, 2 long darks (23) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**Visit**
- **Proposal 16419, Short dark, 2 long darks (23), implementation**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** ACS/WFC
- **Special Requirements:** (none)
- **Comments:** Week 2, Day 3

### Diagnostics

(Short dark, 2 long darks (23)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE</td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

### Orbit Structure

**Orbit 1**
- Unused Orbital Visibility = 3142
- Exp. 1
- Exp. 2
- Exp. 3
- Occultation

**Server Version:** 20200619
Proposal 16419 - 2 long darks (24) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit
Proposal 16419, 2 long darks (24), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 2, Day 3

Mon Aug 24 20:00:33 GMT 2020

(2 long darks (24)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Diagnostics

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Occultation

Server Version: 20200619
Proposal 16419 - Short dark, 2 long darks (25) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit
Proposal 16419, Short dark, 2 long darks (25), implementation
Scientific Instruments: ACS/WFC
Special Requirements: AFTER 01 BY 13.5 D TO 14.5 D; SEQ 25,26,27,28 WITHIN 1 D
Comments: Week 3, Day 1

Diagnostics
(Short dark, 2 long darks (25)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE</td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[==&gt;]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[==&gt;]</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[==&gt;]</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142

Exp. 1
Exp. 2
Exp. 3
Occultation

Server Version: 20200619
## Proposal 16419 - 2 long darks (26) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

### Diagnostics

(2 long darks (26)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

### Orbit Structure

- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Occultation

**Server Version: 20200619**
Proposal 16419 - Short dark, 2 long darks (27) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Diagnostics

(Short dark, 2 long darks (27)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;  PAREXP=NONE</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Occultation

Server Version: 20200619
Proposal 16419 - 2 long darks (28) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit
Proposal 16419, 2 long darks (28), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 3, Day 1

Diagnostics
(2 long darks (28)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=NONE</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

[Diagram of orbit structure with labels and annotations]
Proposal 16419 - Short dark, 2 long darks (29) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit

Proposal 16419, Short dark, 2 long darks (29), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: AFTER 01 BY 15.5 D TO 16.5 D; SEQ 29,30,31,32 WITHIN 1 D
Comments: Week 3, Day 2

(Short dark, 2 long darks (29)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=NONE</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Occultation

Server Version: 20200619
### Proposal 16419 - 2 long darks (30) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**Visit**

Proposal 16419, 2 long darks (30), implementation

- **Diagnostic Status:** Warning
- **Scientific Instruments:** ACS/WFC
- **Special Requirements:** (none)
- **Comments:** Week 3, Day 2

**Diagnostics**

(2 long darks (30)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE</td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
</tbody>
</table>

### Orbit Structure

![Orbit Structure Diagram](attachment://orbit_diagram.png)

**Orbit 1**

Unused Orbital Visibility = 3142

Exp. 1  
Exp. 2

Occultation

Server Version: 20200619
Proposal 16419 - Short dark, 2 long darks (31) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit Proposal 16419, Short dark, 2 long darks (31), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 3, Day 2

Diagnostics
(Short dark, 2 long darks (31)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE;</td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3142

Server Version: 20200619
Visit Proposal 16419, 2 long darks (32), implementation

Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 3, Day 2

(2 long darks (32)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td>[===&gt;]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td>[===&gt;]</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

[Diagram showing orbit structure with Exps. 1 and 2, Unused Orbital Visibility = 3142, and Occultation]
### Proposal 16419 - Short dark, 2 long darks (33) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**Visit**
- **Proposal 16419, Short dark, 2 long darks (33), implementation**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** ACS/WFC
- **Special Requirements:** AFTER 01 BY 17.5 D TO 18.5 D; SEQ 33,34,35,36 WITHIN 1 D
- **Comments:** Week 3, Day 3

### Diagnostics

(Short dark, 2 long darks (33)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE;</td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
</tbody>
</table>

### Orbit Structure

- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - **Exp. 1**
  - **Exp. 2**
  - **Exp. 3**
  - **Occultation**

---

Server Version: 20200619

---

37
Proposal 16419 - 2 long darks (34) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit
Proposal 16419, 2 long darks (34), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 3, Day 3

Diagnostics
(2 long darks (34)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE;</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure
Orbit 1
Exp. 1
Unused Orbital Visibility = 3142

Exp. 2
Occultation

Server Version: 20200619
### Visit

**Proposal 16419, Short dark, 2 long darks (35), implementation**

- **Diagnostic Status**: Warning
- **Scientific Instruments**: ACS/WFC
- **Special Requirements**: (none)
- **Comments**: Week 3, Day 3

### Diagnostics

(Short dark, 2 long darks (35)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Orbit Structure

![Orbit Structure Diagram](image)
Proposal 16419 - 2 long darks (36) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit

Proposal 16419, 2 long darks (36), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 3, Day 3

Diagnostics

(2 long darks (36)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td>[==&gt;]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td>[==&gt;]</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1 Exp. 2

Server Version: 20200619
Proposal 16419 - Short dark, 2 long darks (37) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**Visit**

**Proposal 16419, Short dark, 2 long darks (37), implementation**

**Diagnostic Status:** Warning

Scientific Instruments: ACS/WFC

Special Requirements: AFTER 01 BY 20.5 D TO 21.5 D; SEQ 37,38,39,40 WITHIN 1 D

Comments: Week 4, Day 1

**Diagnostics**

(Short dark, 2 long darks (37)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=None</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

Orbit 1

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Occultation

Server Version: 20200619
### Visit
**Proposal 16419, 2 long darks (38), implementation**

- **Diagnostic Status:** Warning
- **Scientific Instruments:** ACS/WFC
- **Special Requirements:** (none)
- **Comments:** Week 4, Day 1

Diagnostics

(2 long darks (38)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td>[1]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td>[1]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Orbit Structure**

![Orbit Structure Diagram](image)

**Server Version:** 20200619

---

**Proposal 16419 - 2 long darks (38) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash**

Mon Aug 24 20:00:33 GMT 2020
Proposal 16419 - Short dark, 2 long darks (39) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit
Proposal 16419, Short dark, 2 long darks (39), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 4, Day 1

Diagnostics
(Short dark, 2 long darks (39)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=NONE</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Occultation

Server Version: 20200619
Proposal 16419 - 2 long darks (40) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit
Proposal 16419, 2 long darks (40), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 4, Day 1

Diagnostics
(2 long darks (40)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=NONE</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit 1
Exp. 1
Unused Orbital Visibility = 3142

Exp. 2
Occultation

Server Version: 20200619
Proposal 16419 - Short dark, 2 long darks (41) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Diagnostics

(Short dark, 2 long darks (41)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1

Unused Orbital Visibility = 3142

Exp. 1 Exp. 2 Exp. 3

Occultation

Server Version: 20200619
## Proposal 16419 - 2 long darks (42) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

### Visit

- **Proposal 16419, 2 long darks (42), implementation**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** ACS/WFC
- **Special Requirements:** (none)
- **Comments:** Week 4, Day 2

### Diagnostics

(2 long darks (42)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=NONE</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

### Orbit Structure

**Orbit 1**

Unused Orbital Visibility = 3142

Exp. 1  Exp. 2

Occultation

**Server Version: 20200619**
Proposal 16419 - Short dark, 2 long darks (43) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Diagnostics

(Short dark, 2 long darks (43)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=None</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142

Exp. 1
Exp. 2
Exp. 3
Occultation

Server Version: 20200619
Proposal 16419 - 2 long darks (44) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit
Proposal 16419, 2 long darks (44), implementation

Diagnostics Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: (none)

Comments: Week 4, Day 2

(2 long darks (44)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td>[==&gt;]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td>[==&gt;]</td>
<td></td>
</tr>
</tbody>
</table>
### Proposal 16419 - Short dark, 2 long darks (45) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

**Visit**

Proposal 16419, Short dark, 2 long darks (45), implementation

**Diagnostic Status:** Warning

Scientific Instruments: ACS/WFC

Special Requirements: AFTER 01 BY 24.5 D TO 25.5 D; SEQ 45,46,47,48 WITHIN 1 D

Comments: Week 4, Day 3

### Diagnostics

(Short dark, 2 long darks (45)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0; PAREXP=NONE</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE; FLASH=25.0</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

### Orbit Structure

**Orbit 1**

Exp. 1

Unused Orbital Visibility = 3142

Exp. 2

Exp. 3

Occultation

Server Version: 20200619
## Proposal 16419 - 2 long darks (46) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

### Visit

- **Proposal 16419, 2 long darks (46), implementation**
- **Diagnostic Status: Warning**
- **Scientific Instruments: ACS/WFC**
- **Special Requirements: (none)**
- **Comments: Week 4, Day 3**

### Diagnostics

*(2 long darks (46)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU*

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td>PAREXP=None</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None;</td>
<td>FLASH=25.0</td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td></td>
</tr>
</tbody>
</table>

### Orbit Structure

- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Occultation

---

Server Version: 20200619
Proposal 16419 - Short dark, 2 long darks (47) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit: Proposal 16419, Short dark, 2 long darks (47), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 4, Day 3

Diagnostics:

(Short dark, 2 long darks (47)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>short dark</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>0.5 Secs (0.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=None;</td>
<td></td>
<td></td>
<td>[===&gt;]</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td>[===&gt;]</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=None;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td>[===&gt;]</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure:

Orbit 1
Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Occultation
Proposal 16419 - 2 long darks (48) - ACS/WFC Darks with Reduced Exposure Time and Post-Flash

Visit
Proposal 16419, 2 long darks (48), implementation
Diagnostic Status: Warning
Scientific Instruments: ACS/WFC
Special Requirements: (none)
Comments: Week 4, Day 3

Diagnostics
(2 long darks (48)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>long dark 1</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>FLASH=25.0;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PAREXP=NONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>long dark 2</td>
<td>DARK</td>
<td>ACS/WFC, ACCUM, WFC</td>
<td>DEF</td>
<td>PAREXP=NONE;</td>
<td></td>
<td></td>
<td>550.5 Secs (550.5 Secs)</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FLASH=25.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Server Version: 20200619

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Occultation