Cycle 24 Preparations

STUC

12 May 2016
## Cycle 24 (Cycle 23) Proposal Statistics

<table>
<thead>
<tr>
<th>Total Proposals</th>
<th>1094 (1115)</th>
<th>Cycle 24</th>
<th>Cycle 25</th>
<th>Cycle 25</th>
</tr>
</thead>
<tbody>
<tr>
<td>GO</td>
<td>891 (891)</td>
<td>25,611 (19,301)</td>
<td>409 (458)</td>
<td>144 (204)</td>
</tr>
<tr>
<td>SNAP</td>
<td>36 (42)</td>
<td>3718 (4497)</td>
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</tr>
<tr>
<td>Archival Research</td>
<td>Regular Legacy</td>
<td></td>
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<tr>
<td>Regular</td>
<td>90 (96)</td>
<td>13 (11)</td>
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<td>Theory</td>
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<tr>
<td>Total</td>
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<td>14 (11)</td>
<td>167 (182)</td>
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<tr>
<td>ESA</td>
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<tr>
<td>ESA GO</td>
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<td>5388 (5196)</td>
<td>Orbits</td>
<td></td>
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<tr>
<td>ESA SNAPs</td>
<td>5 (14)</td>
<td>501 (1235)</td>
<td>Targets</td>
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<tr>
<td>ESA AR</td>
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<td></td>
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<tr>
<td>GO Large</td>
<td>30 (30)</td>
<td>3090 (3138)</td>
<td>7 (7)</td>
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<tr>
<td>GO Medium</td>
<td>93 (94)</td>
<td>4493 (4349)</td>
<td>18 (23)</td>
<td>819 (1035)</td>
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<tr>
<td>GO Treasury</td>
<td>28 (21)</td>
<td>9073 (2851)</td>
<td>7 (8)</td>
<td>1528 (1226)</td>
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<tr>
<td>Pure Parallel</td>
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<td>1080 (720)</td>
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</tbody>
</table>
Cycle 24 Preparations
Orbit Bins

Includes 2 Pure Parallels for 1080 Orbits
Cycle 24 Preparations

GO

AR

SNAP

ESA

5/12/2016
Proposals by Science Categories

- Intergalactic Medium and Cosmology: 12%
- Massive Black Holes and their Hosts: 12%
- Solar System: 5%
- Extrasolar Planets and Planet Formation: 12%
- Galaxies: 24%
- Stellar Physics: 23%
- Stellar Populations: 12%
Orbits by Science Categories

- Intergalactic Medium and Cosmology: 16%
- Massive Black Holes and their Hosts: 6%
- Solar System: 3%
- Extrasolar Planets and Planet Formation: 17%
- Galaxies: 34%
- Stellar Physics: 13%
- Stellar Populations: 11%
# Cycle 24 Instrument Summary

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Mode</th>
<th>Prime %</th>
<th>Coordinated Parallel %</th>
<th>Total</th>
<th>Instrument Prime Usage</th>
<th>Instrument Prime + Coordinated Parallel Usage</th>
<th>Pure Parallel Usage</th>
<th>Snap Usage</th>
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</thead>
<tbody>
<tr>
<td>ACS/SBC</td>
<td>Imaging</td>
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<td>0.0%</td>
<td>0.8%</td>
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<td>0.0%</td>
<td>0.0%</td>
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<tr>
<td>ACS/SBC</td>
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<td>0.0%</td>
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<td>25.6%</td>
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<tr>
<td>COS/FUV</td>
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</tr>
<tr>
<td>STIS/CCD</td>
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<td>0.5%</td>
<td>14.4%</td>
<td>11.1%</td>
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<tr>
<td>STIS/FUV</td>
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<td>0.2%</td>
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<td>5.1%</td>
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<tr>
<td>STIS/NUV</td>
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<td>0.0%</td>
<td>0.0%</td>
<td>0.0%</td>
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<tr>
<td>STIS/NUV</td>
<td>Spectroscopy</td>
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<td>0.7%</td>
<td>2.8%</td>
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<tr>
<td>WFC3/IR</td>
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<td>0.0%</td>
<td>46.0%</td>
<td>24.7%</td>
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<tr>
<td>WFC3/IR</td>
<td>Spectroscopy</td>
<td>9.7%</td>
<td>5.0%</td>
<td>8.6%</td>
<td>51.7%</td>
<td>53.9%</td>
<td>17.0%</td>
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<tr>
<td>WFC3/LWIS</td>
<td>Imaging</td>
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<td>37.0%</td>
<td>25.6%</td>
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<td>WFC3/LWIS</td>
<td>Spectroscopy</td>
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<td><strong>100.0%</strong></td>
<td><strong>100.0%</strong></td>
<td><strong>100.0%</strong></td>
</tr>
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</table>
GO Requested Instruments

Percentage

Instruments

5/12/2016
Cycle 24 Preparations
## Cycle 24 Joint Observatory Requests

<table>
<thead>
<tr>
<th>Joint Observatory</th>
<th>Proposals</th>
<th>Requested Time</th>
<th>HST Orbits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chandra</td>
<td>8</td>
<td>783 Ksecs</td>
<td>323</td>
</tr>
<tr>
<td>NOAO</td>
<td>6</td>
<td>20.3 Nights</td>
<td>272</td>
</tr>
<tr>
<td>NRAO</td>
<td>8</td>
<td>64 Hours</td>
<td>95</td>
</tr>
<tr>
<td>Spitzer</td>
<td>16</td>
<td>112.55 Hours</td>
<td>418</td>
</tr>
<tr>
<td>XMM</td>
<td>5</td>
<td>290 Ksecs</td>
<td>299</td>
</tr>
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</table>
C24: Special Categories

- 2 Calibration proposals
- 36 Target of Opportunity proposals
- 93 Medium proposals for 4493 orbits
- UV Initiative: 331 GO proposals for 9977 orbits and 38 AR proposals
- JWST support: 60 GO proposals for 6857 orbits
- 2 Pure Parallel proposals
- 2 Very Large Treasury programs requesting >1000 orbits
Cycle 24 Preparations

<table>
<thead>
<tr>
<th>Country</th>
<th>Proposals</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>796</td>
</tr>
<tr>
<td>Total PIs</td>
<td>1094</td>
</tr>
<tr>
<td>242 ESA PIs</td>
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</tr>
<tr>
<td>837 Unique PIs</td>
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</tr>
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</table>

| Australia        | 13        |
| Austria          | 5         |
| Belgium          | 2         |
| Canada           | 10        |
| Chile            | 8         |
| China            | 4         |
| Czech Republic   | 5         |
| Denmark          | 1         |
| Finland          | 1         |
| France           | 20        |
| Germany          | 42        |
| Ireland          | 1         |
| Israel           | 4         |
| Italy            | 22        |
| Japan            | 12        |
| Korea            | 1         |
| Mexico           | 1         |
| Norway           | 1         |
| Russia           | 1         |
| Spain            | 4         |
| Sweden           | 7         |
| Switzerland      | 11        |
| The Netherlands   | 13        |
| United Kingdom   | 19        |
| Poland           | 1         |
| Portugal         | 1         |
| Portugal         | 1         |
| Ukraine          | 1         |
| Uruguay          | 1         |
TAC Organization

• The proposal review will be on June 5 – 10, 2016.
• The panels will discuss Small, Medium, SNAP and Archival proposals until Wednesday noon.
• The TAC will meet until Friday late afternoon to allow for sufficient time to discuss the Large, Treasury and Legacy proposals.
• In this cycle, we will have one panel (Solar System) meeting virtually, with only the Chair being onsite.
• There will be a new pairing of science categories in this cycle.
TAC Organization (cont.)

- TAC Chair: **Caty Pilachowski** (Indiana University)
- Revised panel structure in Cycle 24:
  - 15 panels organized by science category
  - 1 single panel for Solar System
  - 2 mirror panels for Planets and Planet Formation
  - 3 mirror panels for Stellar Physics
  - 2 mirror panels for Stellar Populations
  - 3 mirror panels for Galaxies
  - 2 mirror panels for Black Holes and Hosts
  - 2 mirror panels for IGM and Cosmology
- Each panel has 9 panelists and a Chair. (One panel has 10 panelists.)
Available Orbits in Cycle 24

• Roughly 3400 orbits available for Cycle 24 GO’s
• Same number as in Cycle 23
• Break-down:
  o 1000 orbits for the TAC (Large and Treasury)
  o 1800 orbits for the 15 Panels (Regular GO with <75 orbits)
  o 600 orbits for medium-sized proposals (35 – 74 orbits)
TAC Process: Medium Proposals

• The Medium category will again be supported. However, adjustments to the process are needed to optimize the review process.
• Orbits for Medium proposals come from a pool which is separate from that of the Small proposals.
• Medium proposals will be discussed exclusively by the panels. The TAC will be informed of the panel recommendations.
• Each panel will rank the Medium proposals together with all other proposals in their panel.
• The highest ranked medium proposal will be considered for acceptance provided it is ranked above the cutoff for regular proposals.
  – Panels may not arbitrarily raise the ranking of medium proposals to meet this criterion.
• A panel may recommend more than N Medium proposals using orbits from their Small proposal pool.
• Cross-panel discussions will be performed by the mirror panel chairs during breakfast.
TAC Process: No Change

- **Panel Chairs do not grade nor vote** on proposals in their panels.
- Panel Chairs are not required to read any proposal in detail.
- Chairs will focus on managing the process. However, they can (if they wish) participate in the scientific discussion.
- Chairs will have more time to spend on TAC proposals.
TAC Process: No Change (cont.)

- Each proposal receives **preliminary grades from 6 panelists only** (instead of from all).
- This reduces the number of proposals a panelist needs to read in detail.
- Preliminary grades are due 10 days prior to the meeting. The triage list will be made available to the panel shortly thereafter so that the panelists can read any proposal they have not graded in more detail.
- During the actual panel meeting all panelists (except for the Chair) will vote.
TAC Process: No Change (cont.)

- TAC proposals will also be sent to **three additional external reviewers** who are not TAC members.
- These reviewers are typically previous panelists who are experts in the field.
- The reviewers will comment on the strengths and weaknesses of the proposal and the timeliness of the science.
- The reviews will be provided to the TAC reviewers in support of their own assessment.