Hubble Cycle 23 Proposal Selection

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This year we celebrate *Hubble*'s outstanding 25 years in orbit, recognizing both the tremendous achievements made with the observatory over the years, and the discoveries yet to come. *Hubble*'s 23rd cycle of science observations promises to carry on that legacy, with scientific demand remaining as high as it has ever been. We received a total of 1,115 proposals by the phase I deadline in April, including 182 in Archival, Archival Legacy, and Theory categories, requesting a total of 19,303 orbits. These proposals include investigators from 44 U.S. states (and the District of Columbia), and investigators from 42 countries.

The international members of the proposal review panels and the Time Allocation Committee (TAC) met in June to provide recommendations to the Director, who approved 261 proposals totaling 3,563 awarded orbits, which will start executing at the beginning of Cycle 23 in October. Here, we give an overview of the construction and outcome of the Cycle 23 review.

The review process

The *Cycle 23 Call for Proposals* (*CP*) was released on January 7, 2015, announcing observing opportunities with *Hubble*'s current instrumentation: the Advanced Camera for Surveys (ACS), the Cosmic Origins Spectrograph (COS), the Fine Guidance Sensors (FGS), the Space Telescope Imaging Spectrograph (STIS), and the Wide Field Camera 3 (WFC3). The *CP* also announced opportunities to request funding for archival and theoretical research. The *Cycle 23 CP* carried over three important opportunities from previous cycles. Medium Proposals continued as a separate proposal category for programs requesting between 35 and 75 orbits, to improve the success rate of programs in this historically challenging orbit range.

Recognizing the unique and limited availability of *Hubble*'s ultraviolet (UV) capabilities, the UV Initiative was continued to encourage the community (and the TAC) to increase the fraction of time and awards dedicated to wavelengths below 3200 Å. Following the highly favorable mid-term review, the Institute Director also decided to proceed with the final two clusters of the Frontier Fields, encouraging the community to develop archival, theory, and supplementary observing programs that maximize the scientific return on the data from all six clusters.

Members of the review panels and the TAC were recruited several months prior to the proposal deadline, and asked to serve on one of the 14 panels organized by science category, consisting of two panels on cosmology, three on galaxies, two panels covering active galactic nuclei and the intergalactic medium, two on stellar populations, three on stars, and two covering planets and solar-system objects. Each panel has at least one "mirror" panel, covering similar topics and expertise, allowing proposals to be transferred as needed to avoid conflicts of interest within a given panel.

1,115 proposals were received electronically via the Astronomer's Proposal Tool by the phase I proposal deadline on April 10, 2015. Each was sorted by science category and organized into the review panels described above. Each review panel subsequently received between 70 to 90 small (<35 orbits) and medium (35 to 74 orbits) proposals to grade in preparation for the in-person discussion in June.

To decrease the burden on the panelists, each was only assigned about two-thirds of the proposals in their panel. These grades were collected a few weeks before the meeting, and sorted into a preliminary rank order within each panel. Proposals ranking in the bottom 40% were triaged, and generally not discussed further in the TAC process unless raised for discussion by a non-conflicted panelist. The Large and Treasury proposals (>75 orbits) were reviewed by the TAC members for discussion in their meeting following the panel reviews.

The review panels met over three days in Baltimore, MD, to deliberate and regrade the proposals, and produce a final rank order for the non-triaged proposals in each panel. Members of the TAC were also assigned to these panels to serve as non-voting chairs, guiding the discussion and carrying forward opinions (should they be necessary) from the panels to the TAC. Each panel was provided a nominal orbit allocation to help guide decisions, especially for proposals critically ranked at or near the potential award boundary.

Medium proposals were ranked amongst the Small proposals, allowing a gauge of their relative importance in the competition for the pool set aside for the Medium category. A panel could optionally identify Medium proposals to award from its nominal allocation, essentially ensuring the proposal's success, albeit at the expense of a large fraction of that panel's awardable time. Panelists were also asked to review the Large and Treasury proposals pertinent to their panel science category. Comments on the Medium and Large proposals were provided to the panel chairs for the TAC review.

Immediately following the panel review, the TAC met for an additional two days to review the panels' recommendations, and to decide the final rank orders for the Medium, and Large and Treasury programs, within those respective orbit pools. Prof. Bradley Peterson of the Ohio State University served as chair of

the Cycle 23 TAC, and Dr. Catherine Cesarsky of Commissariat à l'Énergie Atomique, Dr. Mark Dickinson of National Optical Astronomy Observatory, and Prof. Rogier Windhorst of Arizona State University served as TAC members at large. The Institute Director completed the final review of the TAC recommendations in the week following the TAC meeting, and the Cycle 23 results were announced shortly thereafter.

Ensuring an impartial review

We continue to strive for impartiality and fairness in the *Hubble* review process. Conflicts of interest for each reviewer are identified based on institution and publication record, and mirror panels are used to avoid conflicts when possible.

Once the proposals are initially distributed to the panel, each panelist must identify any remaining strong conflicts of interest, including competing proposals, mentorship relationships, and close collaborations. Panelists are not permitted to grade proposals for which they are conflicted, and for strong conflicts, e.g., any in which they themselves or their institutions would directly benefit from, panelists are not permitted to participate in the discussion.

Additionally, the Institute has taken steps to address the unconscious gender bias of the *Hubble* TAC process, which has resulted in small but statistically significant over-representation of male PIs relative to female PIs in each of the last 23 *Hubble* cycles.

Continuing the practice from last cycle, PI names were removed from the cover page and proposal IDs, and only the initials for the PI's and CoI's first names were given. The *Hubble* TAC orientation also included a presentation of the historical over-representation of male *Hubble* PIs and the issue of unconscious bias.

Results

With 261 of 1,115 proposals accepted, the average *Hubble* Cycle 23 acceptance rate was 23.4%, negligibly higher than the 23.1% acceptance rate from the last cycle. Similarly, the oversubscription ratio for all General Observer (GO) programs remained level, at 5.4:1 by orbit, or 4.4:1 by proposal. The estimated oversubscription of Archival and Theory proposals by nominal funding dipped slightly from the last two cycles, down by about 10% to 3.71:1. PIs from ESA member countries lead 24% of the accepted Cycle 23 programs, about the same rate as with last cycle.

Medium proposals have shown a notable increase in their success rates over the last few cycles. Cycle 23 sees an average success rate of 19% (by proposal), representing the third consecutive 40–50% increase in success rate in as many cycles.

WFC3 remains the most requested instrument, with 46% of the awarded time utilizing this instrument in its various modes on primary targets (18% WFC3/IR imaging, 11% WFC3/IR spectroscopy, 16% WFC3/UVIS imaging, and 1% WFC3/UVIS spectroscopy). COS is now the second most utilized instrument, with 23% of the awarded time going to FUV (19%) and NUV (4%) spectroscopy. STIS was awarded 16% of available orbits, almost evenly split across the spectroscopic modes, and ACS completes the allocation, with 15% of the time going to the WFC (13%) and SBC (2%) imaging modes. Approximately 40% of the proposals received under the UV Initiative were awarded time.

The Cycle 23 time allocation was well-matched to the proposal pressure in each of the science categories, with each approved for a similar fraction of the requested orbits. Cosmology programs make up the largest allocation in this cycle (23%), with Quasar Absorption Lines and IGM at 12%, and Extra-Solar Planets at 11%.

Acknowledgments

We thank all of the *Hubble* TAC members, review panelists, and external reviewers for their service on the *Hubble* Cycle 23 TAC. Numerous Institute personnel contributed to the support of review process.

Science Policies Group astronomers Andy Fruchter, Janice Lee, Claus Leitherer, Jennifer Lotz, Neill Reid, and Lou Strolger were responsible for selecting the panelists, assigning the proposals to panels and panelists, coordinating policy, and providing oversight during the review.

Technical Manager Brett Blacker received, organized, and distributed the proposals, oversaw the proposal database, announced the results, and prepared the statistical summaries and figures provided here.

The TAC logistics were devised and coordinated by Sherita Hanna, with administrative support from Tania Anderson, Robin Auer, Geoff Carter, Kelly Coleman, Martha Devaud, Brian Fincham, Sarah Flores, Flory Hill, Shaquintay Johnson, Linda Kaiser, Tracy Lamb, Alisa Meizlish, Karen Petro, Karyn Poletis, Darlene Spencer, Rolanda Taylor, and Loretta Willers.

Panel support was provided by Michael Dulude, Meredith Durbin, Lisa Frattare, Katie Gosmeyer, Olivia Jones, Miranda Link, Crystal Mannfolk, Tala Monroe, Camilla Pacifici, Maria Peña-Guerrero, Karla Peterson, Tony Roman, Russell Ryan, John Stansberry, and Laura Watkins.

Instrument expertise was provided by Marco Chiaberge, Linda Dressel, Norman Grogin, Matt Lallo, John MacKenty, Ed Nelan, Cristina Oliveira, Charles Proffitt, Julia Roman-Duval, and Elena Sabbi.

IT support was provided by Val Ausherman, Romeo Gourgue, Jay Grimes, Craig Hollinshead, Craig Levy, Jessica Lynch, Thomas Marufu, Greg Masci, Glenn Miller, Corey Richardson, Patrick Taylor, Calvin Tullos, and Shane Wolfe.

Ray Beaser, Vickie Bowersox, Margie Cook, Roosevelt Davis, Karen Debelius, Cathy Donellan, Adia Jones, Lisa Kleinwort, Amy Power, Val Schnader, Paula Sessa, and Sarah Shin provided support from the Business Resources Center. Pam Jeffries provided support from the Office of Public Outreach, and Zak Concannon provided assistance from the Copy Center.

Finally, we thank Andre Deshazo, Rob Franklin, Rob Levine, Glenn Martin, Greg Pabst, Frankie Schultz, Mike Sharpe, Trevor Thompson, Mike Venturella, and G Williams of Facilities, and Prof. Dan Reich and the Bloomberg facilities staff.

Summary of Cycle 23 Results

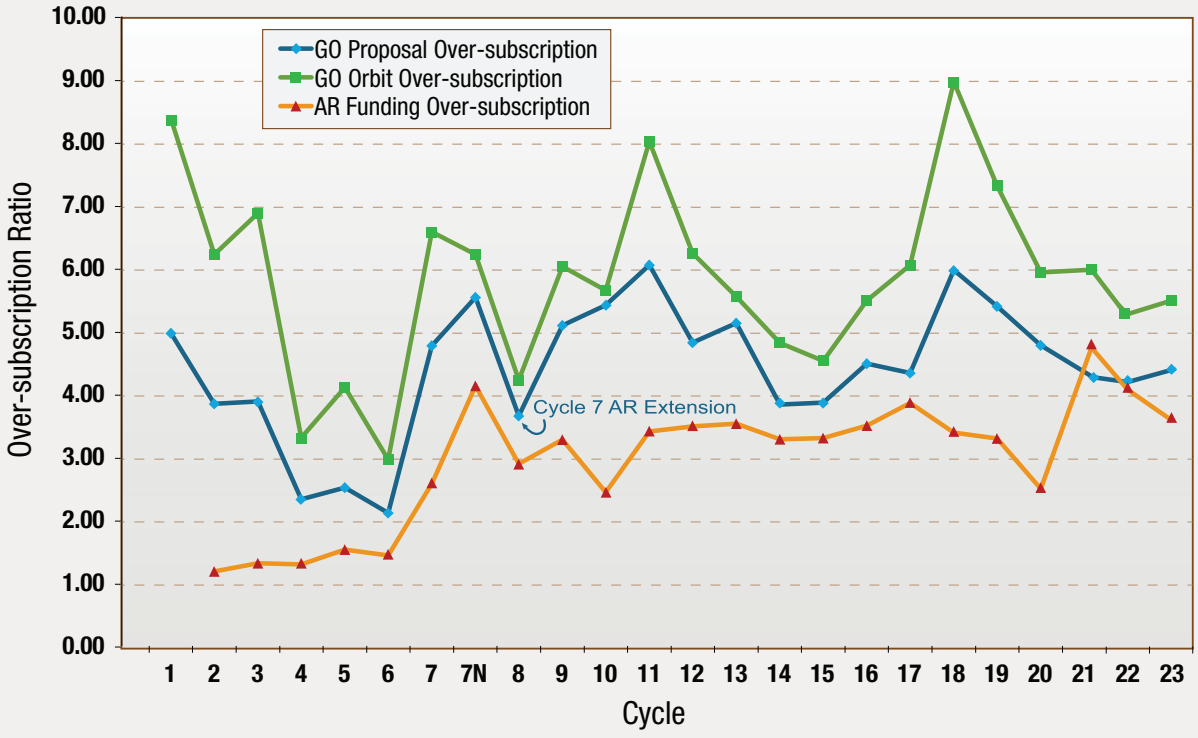
Proposals	Requested	Approved	% Accepted	ESA Accepted	ESA % Total
General Observer	891	202	22.7%	56	27.7%
Snapshot	42	10	23.8%	3	30.0%
Archival Research	96	28	29.2%	0	
AR Legacy	11	3	27.3%	0	
Theory	75	18	24.0%	0	
Total	1115	261	23.4%	59	27.8%
Primary Orbits	**19301**	**3563**	**18.5%**	**1041**	**29.2%**

Primary Orbits category does not include 2 Calibration Orbits

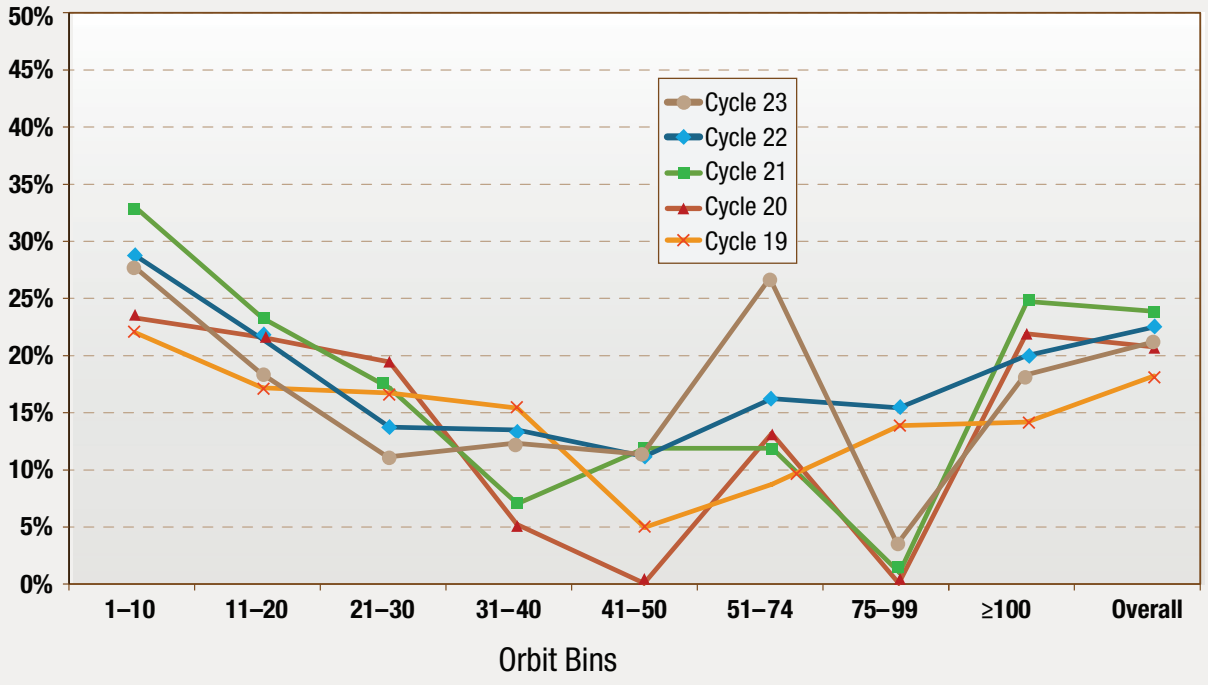
Proposal Breakdown by PI Country

Country	Submitted	Approved	Country	Submitted	Approved
Australia	15	5	Korea	1	0
Austria	5	0	Mexico	1	0
Brazil	2	0	Norway	1	0
Canada	15	2	Poland	1	1
Chile	12	3	Portugal	2	0
China	10	3	Russia	3	0
Columbia	1	0	Spain	13	6
Czech Republic	1	1	Sweden	11	3
Denmark	5	1	Switzerland	11	5
Finland	2	0	The Netherlands	13	2
France	25	6	Turkey	1	0
Germany	41	6	United Kingdom	74	20
Ireland	4	1	United States	803	187
Israel	8	3	Uruguay	1	0
Italy	23	5			
Japan	10	1	**ESA Proposals**	**242**	**59**

Proposal Acceptance Ratio: Over-subscription by Cycle



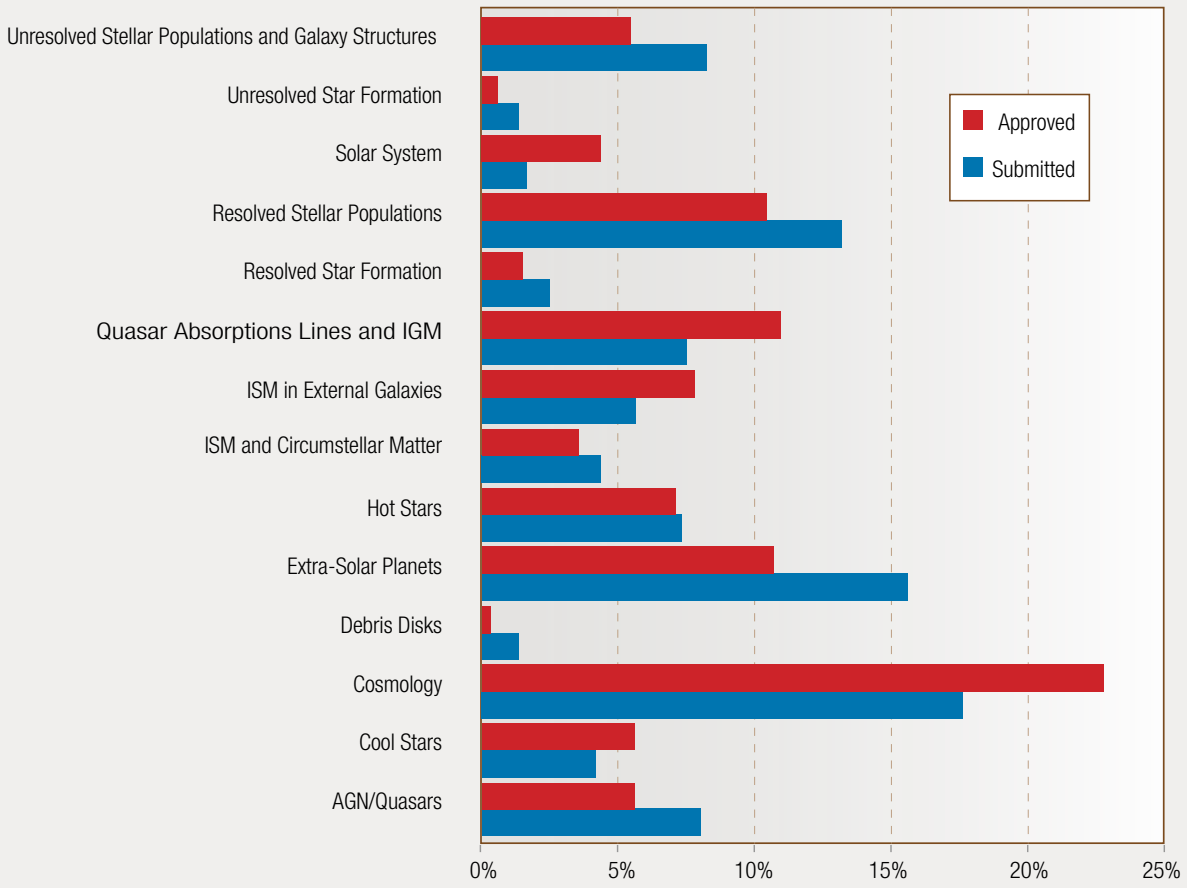
Proposal Success Rate as a Function of Orbit Request, Cycles 19–23



Cycle 23 Instrument Statistics

Configuration	Mode	Prime	Coordinated Parallel	Total	Instrument Prime Usage	Instrument Prime + Coordinated Parallel Usage	Pure Parallel Usage	Snap Usage
ACS/SBC	Imaging	2.0%	0.0%	1.7%			0.0%	0.0%
ACS/SBC	Spectroscopy	0.2%	0.0%	0.2%			0.0%	0.0%
ACS/WFC	Imaging	12.7%	52.0%	18.2%			0.0%	16.0%
ACS/WFC	Ramp Filter	0.0%	0.0%	0.0%	15.0%	20.2%	0.0%	0.0%
ACS/WFC	Spectroscopy	0.1%	0.0%	0.1%			0.0%	0.0%
COS/FUV	Spectroscopy	19.4%	0.0%	16.7%			0.0%	6.0%
COS/NUV	Imaging	0.0%	0.0%	0.0%	22.9%	19.7%	0.0%	0.0%
COS/NUV	Spectroscopy	3.5%	0.0%	3.0%			0.0%	0.0%
FGS	POS	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
FGS	TRANS	0.0%	0.0%	0.0%			0.0%	0.0%
STIS/CCD	Imaging	0.1%	0.0%	0.1%			0.0%	0.0%
STIS/CCD	Spectroscopy	4.4%	0.0%	3.8%			0.0%	6.0%
STIS/FUV	Imaging	1.5%	0.0%	1.3%	16.5%	14.2%	0.0%	0.0%
STIS/FUV	Spectroscopy	3.9%	0.0%	3.3%			0.0%	0.0%
STIS/NUV	Imaging	0.1%	0.0%	0.1%			0.0%	0.0%
STIS/NUV	Spectroscopy	6.6%	0.0%	5.6%			0.0%	0.0%
WFC3/IR	Imaging	17.8%	15.8%	17.5%			40.0%	43.0%
WFC3/IR	Spectroscopy	10.6%	0.0%	9.1%	45.6%	45.9%	23.0%	0.0%
WFC3/UVIS	Imaging	15.7%	32.2%	18.0%			37.0%	29.0%
WFC3/UVIS	Spectroscopy	1.5%	0.0%	1.3%			0.0%	0.0%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Imaging	49.9%	ACS	13.0%					
Spectroscopy	50.1%	COS	22.9%					
		FGS	0.0%					
		STIS	16.5%					
		WFC3	45.6%					

Orbits by Science Category



TAC Members and Panelists

Name	Institution
TAC Members	
Bradley M. Peterson, TAC Chair	Ohio State University
Catherine Cesarsky, At Large	Commissariat à l'Energie Atomique
Mark Dickinson, At Large	National Optical Astronomy Observatory
Rogier A Windhorst, At Large	Arizona State University
Extragalactic Panel Members	
Roberto G. Abraham, Chair	University of Toronto
Aaron J. Barth	University of California–Irvine
Matthew Bayliss	Harvard University
John P. Blakeslee	Dominion Astrophysical Observatory, NRCC/HIA
Tamara Bogdanovic	Georgia Institute of Technology
Adam S. Bolton	University of Utah
Sanchayeeta Borthakur	The Johns Hopkins University
Tereasa Brainerd, Chair	Boston University
Rebecca E. A. Canning	Stanford University
Michele Cappellari	University of Oxford
Rupali Chandar, Chair	University of Toledo
Stéphane Charlot	CNRS, Institut d'Astrophysique de Paris
Françoise Combes, Chair	Observatoire de Paris
Michael Cooper	University of California–Irvine
Duilia F. de Mello	Catholic University of America
Harald Ebeling	University of Hawaii
Eiichi Egami	University of Arizona
Jayanne English	University of Manitoba
Michael Eracleous, Chair	Penn State University
Sarah Gallagher	University of Western Ontario
Rajib Ganguly	University of Michigan
Karl Gebhardt	University of Texas at Austin
Eilat Glikman	Middlebury College
Bradford Holden	University of California–Santa Cruz
Ikuru Iwata	NAOJ, Subaru Telescope
Regina Jorgenson	Willamette University
Neal S. Katz	University of Massachusetts
Guinevere Kauffmann, Chair	Max-Planck-Institut für Astrophysik
Brian Keeney	University of Colorado–Boulder
Dale D. Kocevski	Colby College
Steven Kraemer	Catholic University of America
James T. Lauroesch	University of Louisville
Kyoung-Soo Lee	Purdue University
Adam Leroy	Ohio State University
Yuexing Li	Penn State University
Xin Liu	University of California–Los Angeles

Name	Institution
Britt Lundgren	University of Wisconsin–Madison
Claudia Maraston	University of Portsmouth
Richard J. Massey	University of Durham
Daniel McIntosh	University of Missouri–Kansas City
John S. Mulchaey	Carnegie Institute of Washington
Richard Mushotzky	University of Maryland
Adam D. Myers	University of Wyoming
John M. O'Meara	Saint Michaels College
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Pascal Oesch	Yale University
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Mari Polletta	INAF, Istituto di Astrofisica Spaziale e Fisica Cosmica, Milano
Ryan Quadri	Texas A & M University
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David B. Sanders	University of Hawaii
Sandra Savaglio	University of Calabria
Hee-Jong Seo	Ohio University
Keren Sharon	University of Michigan
Kartik Sheth	National Radio Astronomy Observatory
J. Michael Shull	University of Colorado–Boulder
Aneta Siemiginowska	Smithsonian Astrophysical Observatory
John T. Stocke, Chair	University of Colorado–Boulder
Todd Tripp	University of Massachusetts
Jonathan R. Trump	Penn State University
Monica Valluri	University of Michigan
Arjen van der Wel	Max-Planck-Institut für Astronomie, Heidelberg
Julie Wardlow	University of Copenhagen, Niels Bohr Institute
Greg Zeimann	Penn State University
Wei Zheng	The Johns Hopkins University
Adi Zitrin	California Institute of Technology
Planetary Panel Members	
Daniel Apai	University of Arizona
Susan D. Benecchi	Planetary Science Institute
Esther Buenzli	Max-Planck-Institut für Astronomie, Heidelberg
David Ehrenreich	Observatoire de Genève

TAC Members and Panelists

Name	Institution
Catherine Espaillat	Boston University
William M. Grundy	Lowell Observatory
Renyu Hu	Jet Propulsion Laboratory
Erich Karkoschka	University of Arizona
Alain Lecavelier des Etangs	CNRS, Institut d'Astrophysique de Paris
Mercedes Lopez-Morales, Chair	Smithsonian Astrophysical Observatory
Melissa A. McGrath	SETI Institute
Arielle Moullet	National Radio Astronomy Observatory
Philip Nicholson	Cornell University
Darin Ragozzine	Florida Institute of Technology
William Reach	Universities Space Research Association
Aki Roberge	NASA Goddard Space Flight Center
Lorenz Roth	Royal Institute of Technology
Hilke E. Schlichting	Massachusetts Institute of Technology
Britney E. Schmidt	Georgia Institute of Technology
David Kent Sing, Chair	University of Exeter
Angelle Tanner	Mississippi State University
Galactic Panel Members	
Francesca Bacciotti	INAF, Osservatorio Astrofisico di Arcetri, Firenze
Jeremy Bailin	University of Alabama
You-Hua Chu, Chair	Academia Sinica
Romano L.M. Corradi	Instituto Astrofísico de Canarias
Trent J. Dupuy	University of Texas at Austin
Christopher J. Evans, Chair	Royal Observatory, Edinburgh
John J. Feldmeier	Youngstown State University
Christopher R. Gelino	Jet Propulsion Laboratory
Michael D. Gregg	University of California–Davis
Aaron Grocholski	Louisiana State University A & M
Brad M. Hansen	University of California–Los Angeles
Lee W. Hartmann, Chair	University of Michigan
Suzanne L. Hawley, Chair	University of Washington
Todd J. Henry	Georgia State University
Jay B. Holberg	University of Arizona
Rémy Indebetouw	National Radio Astronomy Observatory
Anne Jaskot	Smith College
Saurabh W. Jha	Rutgers State University of New Jersey
Lex Kaper	Universiteit van Amsterdam
David L. Kaplan	University of Wisconsin–Milwaukee
Gillian R. Knapp	Princeton University
Kaitlin Kratter	University of Arizona
Adam L. Kraus	University of Texas–Austin

Name	Institution
Andrew J. Levan	University of Warwick
Emily Levesque	University of Colorado–Boulder
Thomas J. Maccarone	Texas Tech University
Andrew Withycombe Mann	University of Texas at Austin
Marcella Marconi	INAF, Osservatorio Astronomico di Capodimonte
Jason Nordhaus	Rochester Institute of Technology
Evan Patrick O'Connor	North Carolina State University
Lida Oskinova	Universität Potsdam
Veronique Petit	Florida Institute of Technology
Luke Roberts	California Institute of Technology
Raghvendra Sahai	Jet Propulsion Laboratory
David J. Sand	Texas Tech University
Anil C. Seth	University of Utah
Jay Strader	Michigan State University
Silvia Torres-Peimbert	Universidad Nacional Autónoma de México
Dean Townsley	University of Alabama
Eleonora Troja	University of Maryland
Kim A. Venn, Chair	University of Victoria
Eva Villaver	Universidad Autónoma de Madrid
Serena Viti	University College London
Ted von Hippel	Embry-Riddle Aeronautical University
Matthew G. Walker	Carnegie Mellon University
Benjamin F. Williams	University of Washington
Brian E. Wood	Naval Research Laboratory
Guy Worthey	Washington State University
David R. Zurek	American Museum of Natural History

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Extragalactic Programs				
Angela Adamo	Stockholm University	Yes	GO	Hi-PEEC, *Hubble* Imaging Probe of Extreme Environments and Clusters
Chris Ahn	University of Utah		GO	Searching for a Supermassive Black Hole in the Brightest Ultracompact Dwarf Galaxy
Nahum Arav	Virginia Polytechnic Institute and State University		GO	Deep Multiwavelength Campaign on an AGN Outflow: Absolute Abundances and the Warm Absorber Connection
Vivienne Baldassare	University of Michigan		GO	Studying the Nuclear Morphology of a Dwarf Galaxy with a 50,000 Solar-mass Black Hole
Robert Barrows	University of Colorado at Boulder		GO	Resolving the Nuclear Regions of Confirmed Offset AGN
Aaron Barth	University of California–Irvine		GO	Bulge Structure and Kinematics in an Extreme Spiral Galaxy Hosting Megaparsec-Scale Radio Jets
Eric Bell	University of Michigan		AR	A Model-Independent Assessment of the Effects of Dust Attenuation at $0.5 < z < 1$ on *HST*-derived F814W Galaxy Morphologies, Structures and Luminosities
Danielle Berg	University of Wisconsin–Milwaukee		GO	Stellar Populations and Physical Conditions at ~100 pc Resolution in a Lensed Galaxy at $z \sim 4$
John Biretta	Space Telescope Science Institute		GO	High-precision Proper Motions in the M87 Jet
John Blakeslee	Dominion Astrophysical Observatory		GO	Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Black Holes
Adam Bolton	University of Utah		GO	Quantifying Cold Dark Matter Substructure with a Qualitatively New Gravitational Lens Sample
Gabriel Brammer	Space Telescope Science Institute	Yes	SNAP	Calibrating the Dusty Cosmos: Extinction Maps of Nearby Galaxies
Jarle Brinchmann	Leiden Observatory	Yes	GO	He II Emission as a Tracer of Ultra-low Metallicity and Massive Star Evolution
James Bullock	University of California–Irvine		AR	Simulating Ultra-faint Dwarf Glaxies: The Hallmark of Reionization at the Threshold of Galaxy Formation
Nell Byler	University of Washington		AR	Detangling Galaxy Spectra: A Baseline Calibration Using Resolved Stars
Edward Cackett	Wayne State University		GO	Probing the Accretion Disk in the Seyfert 1 NGC 4593
Benjamin Cain	University of California–Davis		AR	Measuring the Subhalo Mass Function with Flexion
Daniela Calzetti	University of Massachusetts–Amherst		AR	The Young Star Groups in Dwarf Galaxies
Marios Chatzikos	University of Kentucky		AR	Deciphering the Fossil Record in Quasar Ionization Echoes
Hsiao-Wen Chen	University of Chicago		GO	Characterizing Circumgalactic Gas around Passive Galaxies
Ena Choi	Rutgers the State University of New Jersey		AR	Triggering and Quenching: Simulations and Mock Observations of Active Galactic Nuclei and their Hosts
Yumi Choi	University of Washington		AR	A New Method to Measure the UV Escape Fraction from Galaxies
Lise Christensen	University of Copenhagen, Niels Bohr Institute	Yes	GO	Unveiling Stellar Populations in Absorption-selected Galaxies
James Colbert	Jet Propulsion Laboratory		GO	Does All The Lyman Continuum Emission Escape From Young, Low Mass Starbursts?
Michael Cooper	University of California–Irvine		AR	The Faint Galaxy Frontier: Galaxy Formation at the Extremes of Mass and Density in the Deep Fields
D. Crenshaw	Georgia State University Research Foundation		AR	What is the Impact of Narrow-Line Region Outflows on AGN Feedback?

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Arlin Crotts	Columbia University in the City of New York		GO	Light Echoes and Environment of SN 2014J in M82
Neal Dalal	University of Illinois at Urbana–Champaign		AR	Backsplash as a Probe of Cosmology
Harald Ebeling	University of Hawaii		SNAP	Beyond MACS: A Snapshot Survey of the Most Massive Clusters of Galaxies at $z > 0.5$
Eiichi Egami	University of Arizona		GO	Near-IR Imaging of Three Spectacular Lensed Submillimeter Galaxies Discovered by the *Herschel* Lensing Survey
Claude-André Faucher-Giguère	Northwestern University/CIERA		AR	Metallicity and Azimuthal Angle Diagnostics of Inflows and Outflows: Interpreting *HST* Measurements of Circumgalactic Gas Flows
Brenda Frye	University of Arizona		GO	The Planck Dusty Gravitationally Enhanced subMillimeter Sources (GEMS)
Michele Fumagalli	University of Durham	Yes	GO	First Measurement of the Small-scale Structure of Circumgalactic Gas via Grism Spectra of Close Quasar Pairs
Pierre Guillard	CNRS, Institut d'Astrophysique de Paris	Yes	GO	Hot Gas Cooling and Turbulence in the 3C326N Radio Galaxy
Matthew Hayes	Stockholm University	Yes	GO	Unveiling the Dark Baryons II: the First Sample of O VI Emission Imaging
Alex Hill	Haverford College		AR	Gaseous Infall and Star Formation from Redshift 2 to the Milky Way
John Hughes	Rutgers the State University of New Jersey		GO	Measuring the Mass of El Gordo to Near the Virial Radius
Jimmy Irwin	University of Alabama		GO	Confirmation of an Intermediate-mass Black Hole in an Extragalactic Globular Cluster
Knud Jahnke	Max-Planck-Institut für Astronomie, Heidelberg	Yes	GO	Are the Fastest Growing Black Holes at $z = 2$ Caused by Major Galaxy Mergers?
Anne Jaskot	Smith College		GO	LyC, Ly-α, and Low Ions in Green Peas: Diagnostics of Optical Depth, Geometry, and Outflows
Glenn Kacprzak	Swinburne University of Technology		GO	A New Dual Perspective of Mutli-phase Galaxy Outflows
Jeyhan Kartaltepe	National Optical Astronomy Observatory		AR	What Drives Star Formation in Galaxies?: Combining the Strengths of *HST* and *Herschel*
Neal Katz	University of Massachusetts–Amherst		AR	A New Galactic Wind Model to Better Understand the Implications of QSO Absorption lines
Patrick Kelly	University of California–Berkeley		GO	Refsdal Redux: Precise Measurements of the Reappearance of the First Supernova with Multiple Resolved Images
Tae-Sun Kim	INAF, Osservatorio Astronomico di Trieste	Yes	GO	Crossing the Redshift Desert: Ionizing Background Radiation and Intergalactic Hydrogen at $z \sim 1$
Michael Koss	Eidgenössiche Technische Hochschule	Yes	GO	Studying Dual AGN Activity in the Final Merger Stage
Gerard Kriss	Space Telescope Science Institute		GO	Measuring Absolute Abundances in NGC 5548 and Definitively Linking the UV and X-ray Outflows
Nicolas Lehner	University of Notre Dame		GO	Just the BASICs: Linking Gas Flows in the Circumgalactic Medium to Galaxies
Claus Leitherer	Space Telescope Science Institute		GO	The II Zw 40 Supernebula: 30 Doradus on Steroids
Adam Leroy	The Ohio State University		GO	An Ionizing Photon Rate Map of NGC 6946
Rachael Livermore	University of Texas at Austin		AR	Searching for Faint High-z Galaxies in the *Hubble* Frontier Fields

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Jingzhe Ma	University of Florida		GO	Revealing the Host Galaxy of a Strong Milky Way-type 2175 Å Absorber at $z = 2.12$
Walter Maksym	University of Alabama		GO	Mapping the Radiative and Kinetic History of Fading AGNs
Walter Maksym	University of Alabama		GO	Long-term Ultraviolet Spectroscopy of a Tidal Disruption Event at only 90 Mpc
Sangeeta Malhotra	Arizona State University		GO	Lyman α Escape in Green Pea Galaxies (Give Peas a Chance)
Eileen Meyer	Space Telescope Science Institute		GO	Mapping the kpc-scale Velocity Structure of Jets with *HST*
Eileen Meyer	Space Telescope Science Institute		GO	Monitoring an Internal Shock Collision in Action in 3C 264
Bahram Mobasher	University of California–Riverside		AR	Multi-waveband Photometric Catalogs for the *Hubble* Frontier Field Clusters and their Parallel Fields
Mireia Montes	Yale University		AR	The Intra-cluster Light as Seen by the *Hubble* Frontier Fields
Leonidas Moustakas	Jet Propulsion Laboratory		AR	Nonlinear Evolution Predictions for Dark Matter Substructure, and Predictions for Gravitational Lensing Probes
Andrew Newman	Carnegie Institution for Science		GO	Early Quiescent Galaxies Under the Magnifying Glass
John O'Meara	Saint Michaels College		GO	A 100 Million-fold Increase in the Measured Sizes of Neutral Gas Reservoirs in the Early Universe
Siang Oh	University of California–Santa Barbara		AR	Turbulent Mixing and Thermal Instability in the Circumgalactic Medium
Benjamin Oppenheimer	University of Colorado at Boulder		AR	Characterizing Group Baryons and Galaxies Through EAGLE Zoom Simulations
Ivana Orlitová	Astronomical Institute, Academy of Sciences of the Czech Republic	Yes	GO	Origin of Double Peaks in Lyman-α Spectra: Diffuse Halos or Lyman Continuum Leakage?
Mark Peacock	Michigan State University		GO	The Spatial Distribution of Hot Stellar Populations in M31's Globular Clusters
Ismael Perez-Fournon	Instituto de Astrofísica de Canarias	Yes	GO	The Nature and Environment of the Most Luminous Starburst Galaxies at Redshift > 5
Thomas Puzia	Pontificia Universidad Católica de Chile		GO	The Coma Cluster Core Project
Swara Ravindranath	Space Telescope Science Institute		GO	Spectral Diagnostics for the Reionization Era: Exploring the Semi-Forbidden CIII Emission in Low Metallicity Green Pea Galaxies
Amy Reines	University of Michigan		SNAP	The Structures of Dwarf Galaxies Hosting Massive Black Holes
Gordon Richards	Drexel University		GO	Are High-redshift Spectroscopic Black Hole Mass Estimates Biased?
Philipp Richter	Universität Potsdam	Yes	GO	Circumgalactic Gas at its Extreme—The Absorption Properties of Interacting Galaxies
Adam Riess	The Johns Hopkins University		GO	A New Threshold of Precision, 30 Micro-arcsecond Parallaxes and Beyond
Mickaël Rigault	Humboldt Universität zu Berlin	Yes	SNAP	Honing Type Ia Supernovae as Distance Indicators, Exploiting Environmental Bias for H_0 and w
Jane Rigby	NASA Goddard Space Flight Center		GO	The Ultimate Emission Line Diagnostics Study at $z = 1.4$
Steven Rodney	The Johns Hopkins University		GO	Frontier Fields Supernova Search
Gregory Rudnick	University of Kansas Center for Research, Inc.		AR	The Role of Quenching and Merging in Shaping the Passive Galaxy Population in Distant Clusters
David Rupke	Rhodes College		GO	A Local Benchmark for High-redshift Feedback

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Claudia Scarlata	University of Minnesota–Twin Cities		AR	Emission Line Galaxy Constraints from *HST*: Towards Accurate Forecasts for *WFIRST* and *Euclid*
Jan-Torge Schindler	University of Arizona		AR	Constraining the Merger Fraction of Quasars with High-resolution *HST* Imaging
Stella Seitz	Universitäts-Sternwarte München	Yes	GO	Revealing the Largest Gravitational Lens PLCK G287.0+32.9
Anil Seth	University of Utah		AR	Black Holes and Central Mass-to-Light Ratios in Low Mass Early-type Galaxies
Tom Shanks	Durham University	Yes	GO	Tracing the CMB Cold Spot Supervoid Using HI Gas Clouds
Edward Shaya	University of Maryland		GO	Draining the Local Void
Yue Shen	Carnegie Institution of Washington		GO	Host galaxy Properties of z>~0.3 Broad-line AGN With Direct Black Hole Masses from Reverberation Mapping
J. Shull	University of Colorado at Boulder		AR	Spatial Modeling of the Topology of He II Reionization
Devin Silvia	Michigan State University		AR	Can Thermal Instabilities Drive Galactic Precipitation and Explain Observed Circumgalactic Structure?
Russell Smith	University of Durham	Yes	GO	Improved Masses for Two New Low-redshift Strong Lens Galaxies: Do Giant Ellipticals Really Have a Heavy IMF?
Roberto Soria	Curtin University		GO	Diagnosing the Super-Eddington Accretion/Outflow Regime Using the Microquasar MQ1 in M83
Elizabeth Stanway	The University of Warwick	Yes	GO	Understanding the Star Formation Environment of a Very Low Redshift, Low Luminosity, Long γ-ray Burst
Daniel Stark	University of Arizona		GO	COS Views of He II Emitting Star-forming Galaxies: Preparing for the *JWST* Era
John Stocke	University of Colorado at Boulder		GO	Probing Hot Gas in Spiral-Rich Galaxy Groups
Lorrie Straka	Universiteit Leiden	Yes	GO	Damped Lyman-α Systems in the Disks of Low-z SDSS Galaxies on Top of QSOs
Veronica Strazzullo	Universitäts-Sternwarte München	Yes	GO	Environmental Signatures on Galaxy Populations in the Most Massive Clusters at z ~ 1.5
Nial Tanvir	University of Leicester	Yes	GO	Identifying and Studying γ-ray Bursts at Very High Redshifts
Elisa Toloba	University of California–Santa Cruz		AR	The Nature of Compact Stellar Systems in Massive Galaxy Clusters Using the *Hubble* Frontier Fields
Christy Tremonti	University of Wisconsin–Madison		GO	Direct Imaging of Galactic Winds in Extreme Starburst Galaxies
Tommaso Treu	University of California–Los Angeles		GO	Accurate Cosmography From Gravitational Time Delays: 2.3% on H_0 from Deep WFC3 Images of Lensed Quasars
Ignacio Trujillo	Instituto de Astrofisica de Canarias	Yes	GO	The Pristine Globular-cluster Population of the Primordial Relic Galaxy NGC1277
Kohji Tsumura	FRIS, Tohoku University		GO	Absolute Measurement of the Cosmic Near-Infrared Background Using Eclipsed Galilean Satellites as Occulters
Pieter van Dokkum	Yale University		GO	A Wide-Field WFC3 Imaging Survey in the COSMOS Field
Schuyler Van Dyk	California Institute of Technology		GO	A Search for a Light Echo from Supernova 2013ej
Sjoert van Velzen	The Johns Hopkins University		GO	A First Look at the Late Stages of Accretion in Tidal Disruption Flares
Eros Vanzella	INAF, Osservatorio Astronomico di Bologna	Yes	GO	Unveiling the Lyman Continuum Morphology with *HST*
Bart Wakker	University of Wisconsin–Madison		GO	Mapping the Circumgalactic Medium of Two Large Spiral Galaxies

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Ran Wang	KIAA, Peking University		GO	Imaging the Extended Star Formation in the Host Galaxy of a Millimeter Bright Quasar at $z = 6.13$
John Wise	Georgia Tech Research Corp.		AR	Observational Diagnostics for High-redshift Galaxies with Massive Black Hole Seeds
Guy Worthey	Washington State University		SNAP	NGSL Extension 1. Hot Stars and Evolved Stars
Eva Wuyts	Max-Planck-Institut für Extraterrestrische Physik	Yes	GO	A Complete Census: Mapping the Ly-α Emission and Stellar Continuum in a Lensed Main-Sequence Galaxy at $z = 2.39$ Hosting an AGN-driven Nuclear Outflow
Guangtun Zhu	The Johns Hopkins University		GO	Characterizing the Circumgalactic Medium of Luminous Red Galaxies
Planetary Programs				
Daniel Apai	University of Arizona		AR	Scanning Red Skies: Contribution Functions for Interpreting *HST* Multi-layer Observations of Ultracool Atmospheres
Gilda Ballester	University of Arizona		GO	New FUV Diagnostics of the Atmosphere of the Hot-Jupiter HD 209458b with *HST*/COS
Susan Benecchi	Planetary Science Institute		GO	Collisional Processing in the Kuiper Belt and Long-range KBO Observations by *New Horizons*
Zachory Berta-Thompson	Massachusetts Institute of Technology		GO	The Atmospheres of Two Low-mass, Low-density Exoplanets Transiting a Young Star
Beth Biller	University of Edinburgh, Institute for Astronomy	Yes	GO	Exometeorology: Characterizing Weather on a Young Free-floating Planet
Dennis Bodewits	University of Maryland		GO	Far-UV Spectroscopic Measurements of the Deuterium Abundance of Comets
Vincent Bourrier	Observatoire de Genève	Yes	GO	Probing the Nature and Evolution of the Oldest Known Planetary System Through Lyman-alpha Observations
Vincent Bourrier	Observatoire de Genève	Yes	GO	Characterization of the Extended Atmosphere and the Nature of the Hot Super-Earth 55 Cnc e and the Warm Jupiter 55 Cnc b
Brendan Bowler	California Institute of Technology		GO	Imaging Accreting Protoplanets in the Young Cluster IC 348
Imke de Pater	University of California–Berkeley		GO	Giant Impacts on Giant Planets
Michal Drahus	Uniwersytet Jagielloński	Yes	GO	*Hubble* Close-Up of the Disrupting Asteroid P/2012 F5
David Ehrenreich	Observatoire de Genève	Yes	GO	*HST* Confirmation and Characterization of a Potentially Habitable World
David Ehrenreich	Observatoire de Genève	Yes	GO	Full *HST* Coverage of a Comet-like Exoplanet in Transit
Thomas Evans	University of Exeter	Yes	GO	Measuring the L-T Transition for a Warm Saturn Exoplanet
Yanga Fernandez	University of Central Florida		AR	Characterizing Outbursts and Nucleus Properties of Comet 29P/Schwassmann-Wachmann 1
Kevin France	University of Colorado at Boulder		GO	A Direct Imaging Experiment to Determine the Origin of H_2 Emission from M-dwarf Exoplanetary Systems
Boris Gänsicke	The University of Warwick	Yes	SNAP	The Frequency and Chemical Composition of Rocky Planetary Debris Around Young White Dwarfs: Plugging the Last Gaps
John Gizis	University of Delaware		GO	Cloud Evolution on Uranus with K2 and *HST*
Gregory Herczeg	Peking University		GO	The Very Low-mass Object FW Tau b: An Edge-on Brown Dwarf Disk or a Planet Caught in Formation?

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Dean Hines	Space Telescope Science Institute		GO	Post-perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Support of the *Rosetta* Mission
Mark Hollands	The University of Warwick	Yes	GO	The Dawn of Rocky Planet Formation
David Jewitt	University of California–Los Angeles		GO	*Hubble* Imaging of a Newly Discovered Active Asteroid
Paul Kalas	University of California–Berkeley		GO	First Imaging Polarization Study of Fomalhaut's 140 AU Dust Belt
Laurent Lamy	Observatoire de Paris–Section de Meudon	Yes	GO	The Grand Finale: Probing the Origin of Saturn's Aurorae with *HST* Observations Simultaneous to *Cassini* Polar Measurements
Jian-Yang Li	Planetary Science Institute		GO	Born Small or Gone Small–Determining the Evolutionary State of Comet 252P/LINEAR during its Close Approach to Earth
Christopher Manser	The University of Warwick	Yes	GO	A Highly Dynamical Debris Disk in an Evolved Planetary System
Carl Melis	University of California–San Diego		GO	Down the Tubes: Vetting the Apparent Water-rich Parent Body Being Accreted by the White Dwarf GD 16
Jonathan Nichols	University of Leicester	Yes	GO	Observing Jupiter's FUV Auroras Near Juno Orbit Insertion
Alex Parker	Southwest Research Institute		AR	A High-Precision Archival Measurement of the Kuiper Belt Luminosity Function
David Polishook	Weizmann Institute of Science		GO	Establishing an Evolutionary Sequence for Disintegrated Minor Planets
Aki Roberge	NASA Goddard Space Flight Center		GO	Inventoring Gas in Debris Disks: UV Spectroscopy of Eta Tel
Lorenz Roth	Royal Institute of Technology	Yes	GO	Probing Ceres' Exosphere and Water Vapor Outgassing
Mark Showalter	SETI Institute		GO	Neptune's Evolving Inner Moons and Ring-arcs
Bruno Sicardy	Observatoire de Paris	Yes	GO	Search for Material Around Chiron
David Sing	University of Exeter	Yes	GO	Characterizing the Atmosphere of the Enlarged Neptune-mass Planet HAT-P-26b
William Sparks	Space Telescope Science Institute		GO	Monitoring the Ice Plumes of Europa
Lawrence Sromovsky	University of Wisconsin–Madison		GO	Methane Distribution and Transport in the Active Atmosphere of Uranus
Margaret Turnbull	SETI Institute		AR	Characterizing the Galactic and Extragalactic Background of Exoplanet Direct-imaging Targets
Hannah Wakeford	University of Exeter	Yes	GO	Measuring the Absolute H_2O Abundance of WASP-39b's Atmosphere
Paul Wilson	CNRS, Institut d'Astrophysique de Paris	Yes	GO	Far-UV Observations of H, C, N and O in Exocomets of Beta Pic
Siyi Xu	European Southern Observatory–Germany	Yes	GO	A Young White Dwarf with an Infrared Excess: Dust Disk or Substellar Companion?
Galactic Programs				
Loïc Albert	Université de Montréal		GO	Direct Test of the Brown Dwarf Evolutionary Models through Secondary Eclipse Spectroscopy of LHS 6343
Heddy Arab	Space Telescope Science Institute		GO	Mapping Dust Extinction Properties Across the IC 63 Photodissociation Region
Nate Bastian	Liverpool John Moores Univeristy	Yes	GO	Searching For Multiple Populations in Massive Young and Intermediate-age Clusters

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Philip Bennett	Eureka Scientific Inc.		GO	A Red Supergiant Mass Accurate to 1%
Luciana Bianchi	The Johns Hopkins University		SNAP	Understanding Stellar Evolution of Intermediate-mass Stars from a New Sample of Sirius B-like Binaries
Howard Bond	The Pennsylvania State University		GO	The Nature of SPIRITS Mid-Infrared Extragalactic Transients
Martha Boyer	NASA Goddard Space Flight Center		GO	Assessing the Impact of Metallicity on Stellar Dust Production
Martha Boyer	NASA Goddard Space Flight Center		GO	The Evolution of Metal-rich Asymptotic Giant Branch Stars
Alyson Brooks	Rutgers the State University of New Jersey		AR	Small Statistics No More: a Suite of Simulated Dwarf Galaxies to Interpret Observations
Peter Brown	Texas A & M University		GO	An Ultraviolet View of Overluminous Type Ia Supernonovae
Nuria Calvet	University of Michigan		GO	Trickles of Accretion: Catching a Final Glimpse of Gas in the Disk
Deirdre Coffey	University College Dublin	Yes	GO	True Jet Rotation Probed in NUV Jet Core
Roger Cohen	Universidad de Concepción		GO	Opening the Window on Galaxy Assembly: Ages and Structural Parameters of Globular Clusters Towards the Galactic Bulge
Andrew Cole	University of Tasmania		GO	The Star-formation History and Proper Motion of NGC 6822
Matteo Correnti	Space Telescope Science Institute		GO	Pushing to Sub-Gyr Globular Cluster Ages: the IR CMD of NGC 6397
Denija Crnojevic	Texas Tech University		GO	Resolved Halo Substructures Beyond the Local Group: the Assembly Histories of NGC 253 and NGC 5128
Matthew Darnley	Liverpool John Moores University	Yes	GO	A Remarkable Recurrent Nova in M31: The Leading Single Degenerate Supernova Ia Progenitor Candidate (?)
Cody Dirks	Northwestern University		AR	Investigating the Gas within the Planck Galactic Cold Clumps
Hui Dong	Instituto de Astrofísica de Andalucía	Yes	GO	Opening a New Window towards the Nuclear Star Cluster in the Milky Way
Trent Dupuy	University of Texas at Austin		GO	Mapping the Substellar Mass-Luminosity Relation Down to the L/T Transition
Zachary Edwards	Louisiana State University and A & M College		GO	Startlingly Fast Evolution of the Stingray Nebula
Catherine Espaillat	Boston University		GO	Footprints of the Magnetosphere: the Star-disk Connection in T Tauri Stars
Nancy Evans	Smithsonian Institution Astrophysical Observatory		GO	Precision Masses and Distances of Classical Cepheids
Steven Federman	University of Toledo		GO	A Multiwavelength Study of the Nature of Diffuse Atomic and Molecular Gas
Alex Filippenko	University of California–Berkeley		AR	The Local Environments of Supernovae from Archival *HST* Images
Alex Filippenko	University of California–Berkeley		SNAP	Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae
Ryan Foley	University of Illinois at Urbana–Champaign		AR	Archival Investigations of the Local Environments of Supernovae
Ryan Foley	University of Illinois at Urbana–Champaign		GO	Possible Stellar Donor or Remnant for the Type Iax SN 2008ha
Ori Fox	University of California–Berkeley		GO	Long-lost Companions: A Search for the Binary Secondaries of Three Nearby Supernovae

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Morgan Fraser	University of Cambridge	Yes	GO	Searching for the Disappearance of the Progenitor of the Unique SN 2009ip
Anna Frebel	Massachusetts Institute of Technology		GO	Constraining Pop III Supernova Energies and the Formation of the First Low-mass Stars with the Iron-poor Star HE1327-2326 (with [Fe/H] = -5.4)
Boris Gänsicke	The University of Warwick	Yes	GO	An *HST* Legacy Ultraviolet Spectroscopic Survey of the 13pc White Dwarf Sample
Avishay Gal-Yam	Weizmann Institute of Science		GO	Explosions in Real Time: Ultra-rapid UV Flash Spectroscopy of Infant Core-collapse Supernovae
Carme Gallart	Instituto de Astrofísica de Canarias	Yes	GO	The Lowest Mass Galaxies with Extended Star Formation History: a New Cosmological Challenge
Miriam Garcia	Centro de Astrobiología (CSIC/INTA)	Yes	GO	The Winds of the Most Fe-poor Massive Stars of the Local Group: Sextans-A
Douglas Gies	Georgia State University Research Foundation		GO	The Fastest Rotating Stars
Karl Gordon	Space Telescope Science Institute		GO	Small Magellanic Cloud Ultraviolet Dust Extinction: A Focused Study of Four Sightlines near a Molecular Cloud with Variable 2175 A Bumps
Paul Goudfrooij	Space Telescope Science Institute		GO	Probing Extended Star Formation in the Young Massive Star Cluster NGC 1850
Paul Goudfrooij	Space Telescope Science Institute		GO	Resolving the Nature of the Stellar Halo of the Sombrero, the Nearest Giant Early-type Spiral Galaxy
Jonathan Hargis	Haverford College		GO	New Faint Galaxies at the Local Group's Edge: Antlia B and Five Candidate Ultra-faint Dwarfs
Christian Johnson	Smithsonian Institution Astrophysical Observatory		GO	NGC 6273: Towards Understanding a New Class of Galactic Globular Clusters
Jason Kalirai	Space Telescope Science Institute		GO	Using Stellar Evolution as a Clock to Watch the Dynamical Evolution of a Globular Cluster
Oleg Kargaltsev	George Washington University		GO	Establishing the Nature of the Far-UV Emission from the Double Pulsar
C. Kochanek	The Ohio State University		GO	Confirming NGC 6946 BH1–A Black Hole Formed in a Failed Supernova
Shrinivas Kulkarni	California Institute of Technology		GO	UV Spectroscopy of Supernova-companion Interaction in a Type Ia Supernova
Thierry Lanz	Observatoire de la Côte d'Azur	Yes	GO	Probing Supernovae Chemical Yields in Low-metallicity Environments with UV Spectroscopy of Magellanic Cloud B-type Stars
Andrew Levan	The University of Warwick	Yes	GO	The Late Time Behaviour and Environments of the First Gravitational-wave Transients
Chun-Fan Liu	Academia Sinica, Institute of Astronomy and Astrophysics		GO	Identifying Ionization Mechanisms through Spatially-resolved Neon Emission in the Jets of Sz 102
Kevin Luhman	The Pennsylvania State University		GO	Testing Model Atmospheres with the Coldest Known Brown Dwarf
Thomas Madura	NASA Goddard Space Flight Center		AR	A Robust Method for Modeling 3-D *HST*/STIS Data Cubes Using Time-dependent 3-D Simulations
Jesús Maíz-Apellániz	Centro de Astrobiología (CSIC/INTA)	Yes	GO	The Optical-UV Extinction Law in 30 Doradus
Dan Maoz	Tel Aviv University–Wise Observatory		GO	Connecting White Dwarf Rotation and Debris Accretion
Derck Massa	Space Science Institute		GO	FUVB Flat Fields for the COS FUV Blue Modes

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Derck Massa	Space Science Institute		GO	The Wind of ksi Per: A Tomographic View of Stellar Wind Dynamics
Justyn Maund	University of Sheffield	Yes	GO	Stellar Forensics VII: A Post-explosion View of the Progenitors of Core-collapse Supernovae
Roberto Mignani	INAF, Istituto di Astrofisica Spaziale e Fisica	Yes	GO	The Old Pulsar PSR J0108-1431, a Key Target to Understand the Long-term Evolution of Neutron Stars
Roberto Mignani	INAF, Istituto di Astrofisica Spaziale e Fisica	Yes	GO	The Ultraviolet Light Curve and Spectrum of PSR B0540-69, the Crab Twin
Dan Milisavljevic	Smithsonian Institution Astrophysical Observatory		GO	The Unprecedented Supernova Metamorphosis of SN 2014C
James Miller-Jones	Curtin University		GO	Confirmation of the First Ultracompact Black Hole X-ray Binary
Antonino Milone	Australian National University		GO	Multiple Stellar Populations in Two Young Large Magellanic Cloud Clusters: NGC 1755 and NGC 1866
Katja Poppenhaeger	Smithsonian Institution Astrophysical Observatory		GO	The Magnetic Activity Puzzle of the Super-Earth Host Star KOI-314
Blagoy Rangelov	George Washington University		GO	The Intermediate-age Cluster GLIMPSE-C01
John Raymond	Smithsonian Institution Astrophysical Observatory		GO	Thermal Equilibration and Cosmic-ray Acceleration in Astrophysical Shocks: UV Spectra of the SN1006 Remnant
Seth Redfield	Wesleyan University		GO	Connecting Earth with its Galactic Environment: Probing Our Interstellar Past Along the Historical Solar Trajectory
Armin Rest	Space Telescope Science Institute		GO	Spectral Time Series of the Cas A Supernova
Mark Reynolds	University of Michigan		GO	Characterizing a Magnetic CV Associated with a PNe via COS UV Spectroscopy
Ian Roederer	University of Michigan		GO	The First Detections of Phosphorus, Sulphur, and Zinc in a Bona-fide Second-generation Star
Ian Roederer	University of Michigan		GO	STIS Observations of Metal-poor Stars: Direct Confrontation with Nucleosynthetic Predictions
Elena Sabbi	Space Telescope Science Institute		GO	The Primordial Binary Fraction in Trumpler 14: Frequency and Multiplicity Parameters
John Salzer	Indiana University System		GO	The Intriguing Case of the (Almost) Dark Galaxy AGC 229385
Ata Sarajedini	University of Florida		GO	Exploring the Nature and Synchronicity of Early Cluster Formation in the Local Group
Adam Schneider	University of Toledo		GO	Taming the Tepid Three
Benjamin Shappee	Carnegie Institution of Washington		GO	Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 2011fe
Joshua Simon	Carnegie Institution of Washington		GO	The Lowest Luminosity Star-forming Galaxy
Edward Sion	Villanova University		GO	The SN Ia Candidate T Pyxidis: The Mystery of its High Accretion Rate
Nathan Smith	University of Arizona		AR	Are LBVs in Andromeda as Isolated as LMC LBVs? Critical Test of a Massive Star Paradigm
Sangmo Sohn	The Johns Hopkins University		GO	The First Proper Motions of Ultra-faint Dwarf Galaxies: Probing Reionization and Planar Associations of Satellites
Sangmo Sohn	The Johns Hopkins University		GO	Globular Cluster Orbits from *HST* Proper Motions: Constraining the Formation and Mass of the Milky Way Halo

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Karl Stapelfeldt	NASA Goddard Space Flight Center		SNAP	A Snapshot Imaging Survey of *Spitzer*-selected Young Stellar Objects in Nearby Star-formation Regions
Jay Strader	Michigan State University		GO	Dynamical Confirmation of a Stellar-mass Black Hole in the Globular Cluster M62
Katalin Takats	Universidad Andrés Bello		GO	Verifying the Progenitor Identification of the Type II-P Supernova 2009ib
Jonathan Tan	University of Florida		AR	The Orion Experiment
Nial Tanvir	University of Leicester	Yes	GO	r-process Kilonova Emission Accompanying Short-duration GRBs
Pier-Emmanuel Tremblay	Space Telescope Science Institute		GO	The Suppression of Convection in Magnetic White Dwarfs
Pier-Emmanuel Tremblay	Space Telescope Science Institute		GO	Defining New IR-Bright Flux Standards for Cosmology Applications
Eleonora Troja	University of Maryland		GO	Identify the Signature of Neutron-star Mergers Through Rapid *Hubble* Observations of a Short GRB
R. Tully	University of Hawaii		AR	Exploiting the Archive for TRGB Distances
Jeff Valenti	Space Telescope Science Institute		AR	Improving UV Continuous Opacities and Model Spectra for Cool Stars
Schuyler Van Dyk	California Institute of Technology		GO	The Stellar Origins of Supernovae
Lifan Wang	Texas A & M University		GO	Imaging Polarimetry of Light Echoes around SN 2014J
Laura Watkins	Space Telescope Science Institute		AR	Finding Needles in Haystacks: Intermediate-mass Black Holes in Galactic Globular Clusters
Daniel Welty	University of Chicago		AR	An Archival Survey of Trace Neutral Interstellar Species: Comparing Diagnostics of Physical Conditions
Jessica Werk	University of California–Santa Cruz		GO	Using UV-bright Milky Way Halo Stars to Probe Star-formation Driven Winds as a Function of Disk-scale Height
Benjamin Williams	University of Washington		AR	Finding and Aging the Population of High-mass X-ray Binaries in M33
Benjamin Williams	University of Washington		AR	Measuring the Upper End of the Supernova Progenitor Mass Distribution in M83
Large Programs				
Luigi Bedin	Osservatorio Astronomico di Padova	Yes	GO	The End of the White Dwarf Cooling Sequences of Omega Centauri
Sanchayeeta Borthakur	The Johns Hopkins University		GO	How are H I Disks Fed? Probing Condensation at the Disk-halo Interface
Drake Deming	University of Maryland		GO	A Metallicity and Cloud Survey of Exoplanetary Atmospheres Prior to *JWST*
Robert Kirshner	Harvard University		GO	RAISIN2: Tracers of Cosmic Expansion with SN IA in the IR
Nicolas Lehner	University of Notre Dame		GO	Project AMIGA: Mapping the Circumgalactic Medium of Andromeda
S. Megeath	University of Toledo		SNAP	A Snapshot WFC3 IR Survey of *Spitzer*/*Hershel*-identified Protostars in Nearby Molecular Clouds
Casey Papovich	Texas A & M University		GO	The CANDELS Lyman-alpha Emission At Reionization (CLEAR) Experiment

Accepted Proposals

Name	Institution	ESA Member	Type	Title
Treasury Programs				
Daniel Apai	University of Arizona		GO	Cloud Atlas: Vertical Cloud Structure and Gravity in Exoplanet and Brown Dwarf Atmospheres
Dan Coe	Space Telescope Science Institute	Yes	GO	RELICS: Reionization Lensing Cluster Survey
Ruth Peterson	SETI Institute		GO	The Intersection of Atomic Physics and Astrophysics: Identifying UV Fe I Lines from Metal-poor Turnoff Stars
Brian Siana	University of California–Riverside		GO	The Final UV Frontier: Legacy Near-UV Imaging of the Frontier Fields
Pure Parallel Program				
Matthew Malkan	University of California–Los Angeles		GO	WFC3 Infrared Spectroscopic Parallel Survey: The WISP Deep Fields
AR Legacy Programs				
Maruša Bradač	University of California–Davis		AR	Breaking Cosmic Dawn: Observing the $z \gtrsim 7$ Universe through Cosmic Telescopes
Danilo Marchesini	Tufts University		AR	A Legacy Archive Program Providing Optical/NIR-selected Multiwavelength Catalogs and High-level Science Products of the *HST* Frontier Fields
Eric Murphy	California Institute of Technology		AR	Enhancing the Frontier Field Legacy by Combining the Power of *HST* and the Jansky VLA