

**227th AAS Meeting
Kissimmee, Florida
4 - 8 January, 2016**

Sunday, 3 January 2016	
9:00 am	Workshop: 2016 AAS Astronomy Ambassador Workshop (day 1 of 2), 9:00 am - 5:00 pm, St. George 104
	Workshop: Introduction to Software Carpentry 2 Day Workshop (day 1 of 2), 9:00 am - 5:30 pm, St. George 106
	Workshop: Teaching Introductory Astronomy Using Quantitative Reasoning Activities & Research Projects, 9:00 am - 5:30 pm, Emerald 2
	Workshop: The CAE's Tier I Teaching Excellence Workshop (day 1 of 2), 9:00 am - 5:30 pm, St. George 112
1:00 pm	Exoplanet Exploration Program Analysis Group (ExoPAG) (day 1 of 2), 1:00 pm - 5:00 pm, Orange Blossom Ballroom
	Workshop: 2016 NSF Postdoctoral Fellows Symposium (day 1 of 2), 1:00 pm - 6:00 pm, Sun C
Monday, 4 January 2016	
8:00 am	AAS Council Meeting, 8:00 am - 5:00 pm, Tallahassee
	Workshop: Introduction to Software Carpentry 2 Day Workshop (day 2 of 2), 8:00 am - 5:30 pm, St. George 106
	Workshop: The CAE's Tier I Teaching Excellence Workshop (day 2 of 2), 8:00 am - 5:30 pm, St. George 112
	COPAG SIG, 8:00 am - 1:00 pm, Miami
	CosmicSIG, 8:00 am - 1:00 pm, Naples
	GammaSIG, 8:00 am - 1:00 pm, Tallahassee 3
	XRSIG, 8:00 am - 1:00 pm, Sarasota
GWSIG, 8:00 am - 1:00 pm, Sanibel	
8:30 am	Workshop: 2016 AAS Astronomy Ambassador Workshop (day 2 of 2), 8:30 am - 5:00 pm, St. George 104
9:00 am	Workshop: Astrostatistics and R, 9:00 am - 6:00 pm, Emerald 8
	Workshop: Using Python for Astronomical Data Analysis, 9:00 am - 4:30 pm, St. George 114
	Workshop: Leadership and Team-building for Astronomers, 9:00 am - 4:00 pm, Emerald 4
	Workshop: 2016 NSF Postdoctoral Fellows Symposium (day 2 of 2), 9:00 am - 6:00 pm
	Workshop: Next Generation Very Large Array Workshop 2016, 9:00 am - 5:00 pm, Sun B
	Exoplanet Exploration Program Analysis Group (ExoPAG), 9:00 am - 5:00 pm, Orange Blossom Ballroom
10:00 am	Workshop: SciCoder Presents: Developing Larger Software Projects, 10:00 am - 6:00 pm, Emerald 6
	COPAG I, 10:00 am - 1:00 pm Osceola B
12:00 pm	PAG Meetings, 12:00 pm - 5:00 pm, Osceola A
1:00 pm	Workshop: Bayesian Methods in Astronomy: Hands-on Statistics, 1:00 pm - 6:00 pm, Emerald 2
	Workshop: Submitting Successful Proposals to the NSF IUSE Program, 1:00 pm - 5:00 pm, St. George 108
1:30 pm	90 HAD 1: A Celebration of the Centenary of Einstein's General Relativity, 1:30 pm - 4:00 pm, Osceola 4
3:00 pm	Registration, 3:00 pm - 8:00 pm, City Hall Lobby
	Speaker Ready Room, 3:00 pm - 5:00 pm, Captiva
	PhysPAG, 3:00 pm - 7:30 pm, Naples
4:00 pm	COPAG II, 4:00 pm - 8:00 pm, Osceola B
5:30 pm	Undergraduate Orientation, 5:30 pm - 7:00 pm, Sun A
	WG on the Preservation of Astronomical Heritage, 5:30 pm - 7:00 pm, Emerald 3
6:00 pm	40+E Reception, 6:00 pm - 7:00 pm, Osceola 5 (<i>Invitation Only</i>)
7:00 pm	AAS Opening Reception, 7:00 pm - 9:00 pm, Exhibit Hall A

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Tuesday, 5 January 2016				
7:30 am	Session Chair Breakfast, 7:30 am - 8:00 am, St. George 104 (<i>Invitation Only</i>)			
	Speaker Ready Room, 7:30 am - 4:00 pm, Captiva			
	Registration, 7:30 am - 5:00 pm, City Hall Lobby			
8:00 am	100 Plenary Session: Welcome Address by AAS President Meg Urry (Yale University), 8:00 am - 8:30 am, Osceola C			
8:30 am	101 Plenary Session: Kavli Foundation Lecture: The Exploration of the Pluto System by New Horizons, S. Alan Stern (SwRI), 8:30 am - 9:20 am, Osceola C			
9:00 am	Exhibit Hall & Cyber Café, 9:00 am - 6:30 pm, Exhibit Hall A			
	Posters 134 -148, 9:00 am - 6:30 pm, Exhibit Hall A			
	134 History of Astronomy Poster Session 135 Elliptical and Spiral Galaxies Poster Session 136 Dwarf and Irregular Galaxies Poster Session 137 Extrasolar Planets: Detection Poster Session 138 Extrasolar Planets: Characterization and Theory Poster Session 139 Cosmology, Dark Matter & CMB Poster Session 140 Large Scale Structure, Cosmic Distance Scale Poster Session 141 The Sun and Solar System Poster Session	142 Stars: Red Dwarfs, White Dwarfs and Brown Dwarfs Poster Session 143 Stellar Winds and Stellar Atmospheres Poster Session 144 Variable Stars & White Dwarfs Poster Session 145 Stars: Age, Rotation and Activity Poster Session 146 Instrumentation: Ground Based or Airborne Poster Session 147 Instrumentation: Space Missions Poster Session 148 Astronomy and Society Poster Session		
9:30 am	Coffee Break, 9:30 am - 10:00 am, Exhibit Hall A			
	Workshop: Careers 101: Career Planning Workshop and Panel for Graduate Students and Postdocs, 9:30 am - 11:30 am, St. George 108			
10:00 am	Oral and Special Sessions 102 - 114, 10:00 am - 11:30 am			
	102 Keys to Classic Astrophysical Puzzles: High Energy Gamma-Rays with VERITAS and Beyond Sun A	103 Supernovae: Surveys and Detections Sun B	104 AGN, QSO, Blazars: Origins, Evolution, Growth and Masses Sun C	105 Stars I: Age, Rotation and Activity Sun D
	106 Recent Developments in Extrasolar Planet Detection Osceola A	107 HEAD I: The First Supermassive Black Holes Osceola B	108 Gas and Dust Content in Distant Galaxies Miami	109 Intergalactic Medium, QSO Absorption Line Systems Naples
	110 Variable Stars, White Dwarfs Tampa	111 Dwarf and Irregular Galaxies Sanibel	112 Extrasolar Planet Atmospheres: Theory I Sarasota	113 Instrumentation: Space and Ground Osceola 5
	114 HAD II: History of Astronomy: 19th and 20th Centuries Osceola 4			
	The Next Leap in UV/Optical/NIR Space Astronomy, 10:00 am - 11:30 am, Orange Blossom Ballroom			
10:15 am	Press Conference, 10:15 am - 11:15 am, Osceola 2			
11:40 am	115 Plenary Session: Annie Jump Cannon Award: On the Dynamics of Planets, Stars and Black Holes - New Insights from Triples, Smadar Naoz (UCLA), 11:40 am - 12:30 pm, Osceola C			
12:30 pm	Workshop: Re-Numerating the Astronomy Classroom, 12:30 pm - 2:30 pm, Emerald 2			
12:45 pm	116 Town Hall: Harassment in the Astronomical Sciences, 12:45 pm - 1:45 pm, Osceola C			
	117 Town Hall: HAD Business Meeting, 12:45 pm - 1:45 pm, Osceola 4			

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Tuesday, 5 January 2016 continued				
1:30 pm	NSF Education Proposal Information Session, 1:30 pm - 2:30 pm, St. George 114			
2:00 pm	Oral and Special Sessions 118 - 130, 2:00 pm - 3:30 pm			
	118 Galaxies in the Nearby Universe Sun A	119 AGN, Black Holes and Host Galaxies Sun B	120 Supernovae: Spectroscopy and Classification Sun C	121 Stars II: Red Dwarfs and Brown Dwarfs Sun D
	122 Extrasolar Planet Detection: Results from Kepler and K2 Osceola A	123 HEAD II: High-Energy Neutrino Astrophysics Osceola B	124 Dust and Star Formation in High Redshift Galaxies Miami	125 The Sun and Solar System Naples
	126 Elliptical and Spiral Galaxies I Tampa	127 Tools and Tips for Better Software (aka Pain Reduction for Code Authors) Sanibel	128 Extrasolar Planet Atmospheres: Theory II Sarasota	129 Stellar Winds and Magnetospheres Osceola 5
	130 HAD III: History of Astronomy: History, Archeoastronomy, Philosophy, and Education Osceola 4			
	Workshop: The Performing Art of Science Presentation, 2:00 pm - 5:00 pm, St. George 102			
2:15 pm	Press Conference, 2:15 pm - 3:15 pm, Osceola 2			
3:30 pm	Oral History Interviewing for Beginners, 3:30 pm - 5:00 pm, Osceola 4			
3:40 pm	131 Plenary Session: A New Universe of Discoveries, France Córdova (NSF), 3:40 pm - 4:30 pm, Osceola C			
4:30 pm	132 Plenary Session: HAD Doggett Prize: New Information about Old Telescopes, Albert van Helden, 4:30 pm - 5:20 pm, Osceola C			
5:30 pm	Evening Poster Session, 5:30 pm - 6:30 pm, Exhibit Hall A			
	Workshop: Career Hour 1: Leveraging Social Media for Networking and Career Advancement, 5:30 pm - 6:30 pm, St. George 108			
	New Worlds New Horizons Midterm Assessment, 5:30 pm - 6:30 pm, St. George 114			
6:30 pm	Career Networking and Job Fair, 6:30 pm - 8:00 pm, Sun C			
	LGBTIQA Networking Dinner, 6:30 pm, Meet at Registration Desk			
	SPS Evening of Student Science, 6:30 pm - 8:30 pm, Tallahassee			
	AAS Agents Reception, 6:30 pm - 7:30 pm, Emerald 6 (<i>Invitation Only</i>)			
	133 Town Hall: AAS Advocacy Town Hall with a Panel of CVD Participants, 6:30 pm - 7:30 pm, Orange Blossom Ballroom			
	CSMA Meet & Greet, 6:30 pm - 7:30 pm; St. George 104			
7:00 pm	WFIRST Science, 7:00 pm - 9:00 pm, Tampa			
7:30 pm	The NASA K2 Mission, 7:30 pm - 9:00 pm, Sun A			

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Wednesday, 6 January 2016				
7:30 am	Speaker Ready Room, 7:30 am - 4:00 pm, Captiva			
8:00 am	Registration, 8:00 am - 5:00 pm, City Hall Lobby			
	Session Chair Breakfast, 8:00 am - 8:30 am, St. George 104 (<i>Invitation Only</i>)			
8:30 am	200 Plenary Session: Black Hole Physics with the Event Horizon Telescope, Feryal Ozel (University of Arizona), 8:30 am - 9:20 am, Osceola C			
9:00 am	Exhibit Hall & Cyber Café, 9:00 am-6:30 pm, Exhibit Hall A			
	Posters 234 - 250, 9:00 am - 6:30 pm, Exhibit Hall A			
	234 Starburst Galaxies Poster Session 235 Galaxy Clusters Poster Session 236 Young Stellar Objects, Very Young Stars, T-Tauri Stars, H-H Objects Poster Session 237 Supernovae Poster Session 238 Planetary Nebulae, Supernova Remnants Poster Session 239 Evolved Stars, Cataclysmic Variables, and Novae Poster Session 240 Star Associations, Star Clusters - Galactic & Extra-galactic Poster Session 241 Pulsars, Neutron Stars and Black Holes Poster Session 242 Dust Poster Session	243 AGN, QSO, Blazars Poster Session 244 Laboratory Astrophysics - Atoms and Plasmas Poster Session 245 College-Level General Education Practices and Resources Poster Session 246 K-12 Education and Public Outreach Poster Session 247 Majors and Graduate Student Education and Professional Development Poster Session 248 Out-of-School Astronomy Education Practices and Resources for Kids to Grown-Ups Poster Session 249 Research Opportunities for Students Poster Session 250 Teaching Professional Development for K-12, College, and Other Astronomy Educator Poster Session		
9:20 am	201 Plenary Session: AAS Prize Presentations: Buchalter Cosmology, Weber, Education, 9:20 am - 9:40 am, Osceola C			
9:40 am	Coffee Break, 9:40 am - 10:00 am, Exhibit Hall A			
10:00 am	Oral and Special Sessions 202 - 214, 10:00 am - 11:30 am			
	202 Galaxy Evolution in the Cluster Environment Sun A	203 Black Holes I: Models and Simulations Sun B	204 AGN, QSO, Blazars: Searches and Surveys Sun C	205 Young Stellar Objects, Very Young Stars Sun D
	206 Extrasolar Planet Detection with Coronagraphy Osceola A	207 New Insights into Galactic Structure and Evolution from High-Energy Observations Osceola B	208 Supernova Explosions: Models and Constraints Miami	209 Elliptical and Spiral Galaxies II Naples
	210 Stars III: Brown Dwarfs and Exoplanets Tampa	211 Astrobiology/Laboratory Astrophysics - Atoms and Plasmas Sanibel	212 Extrasolar Planet Atmospheres: BART Atmospheric Modelling Code and Applications Sarasota	213 Lectures in AstroStatistics Osceola 5
	214 Astronomy Education Research Osceola 4			
	Workshop: Graduate School and Postdocs As a Means to a Job, 10:00 am - 11:30 am, St. George 108			
	AAS 227 Author & Referee Workshop, 10:00 am - 3:00 pm, St. George 104			
	US Virtual Observatory Alliance Annual Meeting, 10:00 am - 11:30 am, St. George 114			
	AAS Astronomy Education Board Forum, 10:00 am - 11:30 am, Orange Blossom Ballroom			
10:15 am	Press Conference, 10:15 am - 11:15 am, Osceola 2			
11:40 am	215 Plenary Session: Public Policy Plenary: Science to Action: Thoughts on Convincing a Skeptical Public, William H. Press (University of Texas at Austin), 11:40 am - 12:30 pm, Osceola C			
	Education and Public Outreach Event, Student Welcome by Allison McGraw (University of Arizona), 11:40 am - 12:10 pm, Sun C, followed by event in Exhibit Hall until 2:00 pm			
12:30 pm	Workshop: Career Hour 2: Developing Your 30-Second Value Statement (aka Your Elevator Speech), 12:30 pm - 1:30 pm, St. George 108			
12:45 pm	216 Town Hall: NASA Town Hall, Sun A			
1:30 pm	Topics in Astrostatistics, 1:30 am - 3:30 pm, St. George 106			

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2:00 pm	Oral and Special Sessions 217 - 229, 2:00 pm - 3:30 pm			
	217 Multi-faceted Studies of Galaxy Evolution Sun A	218 Black Holes II: Surveys and Individual Objects Sun B	219 AGN, QSO, Blazars: Host Galaxies and Individual Sources Sun C	220 Extrasolar Planet Detection with High-Precision Radial Velocity Sun D
	221 Dark Energy Survey Early Results Osceola A	222 Hubble Space Telescope: a Vision to 2020 and Beyond Osceola B	223 Cosmology, CMB, and Dark Matter I Miami	224 The Astrophysics of Exoplanet Orbital Phase Curves Naples
	225 Globular and Open Clusters Tampa	226 A Report from the Inclusive Astronomy 2015 Meeting: Community Recommendations for Diversity and Inclusion in Astronomy Sanibel	227 Cataclysmic Variables and Supernova Progenitors Sarasota	228 Circumstellar Disks and Dust Osceola 5
	229 K-12 Education and Public Outreach Osceola 4			
	NOAO Mini-Workshop on Adaptive Optics, 2:00 pm - 3:30 pm, St. George 108			
	NASA Decadal Mission Studies and STDTs, 2:00 pm - 4:00 pm, St. George 112			
2:15 pm	Press Conference, 2:15 pm - 3:15 pm, Osceola 2			
3:40 pm	230 Plenary Session: Dannie Heineman Prize: From “~” to Precision Science: Cosmology from 1995 to 2025, Marc Kamionkowski (Johns Hopkins University) & David N. Spergel (Princeton University), 3:40 pm - 4:30 pm, Osceola C			
4:30 pm	231 Plenary Session: HEAD Rossi Prize: A New View of the High Energy Universe with NuSTAR, Fiona Harrison (Caltech), 4:30 pm - 5:20 pm, Osceola C			
5:00 pm	Presentation of AIP's 2015 Science Writing Awards, 5:00 pm - 7:00 pm, Osceola 2			
5:30 pm	Evening Poster Session, 5:30 pm - 6:30 pm, Exhibit Hall A			
	Thirty Meter Telescope (TMT) Open House, 5:30 pm - 6:30 pm, Orange Blossom Ballroom			
6:30 pm	232 Town Hall: Preparing for the James Webb Space Telescope, 6:30 pm - 8:00 pm, Sun A			
	233 Town Hall: HEAD Business Meeting, 6:30 pm - 7:30 pm, Osceola A			
	251 Town Hall: NOAO Transformed: A Status Report, 6:30 pm - 7:30 pm, Sun D			
	AAS Donor Reception, 6:30 pm - 7:30 pm, Emerald 6 (<i>Invitation Only</i>)			
8:00 pm	Open Mic Night, 8:00 pm - 9:00 pm, Sun C			

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Thursday, 7 January 2016				
7:30 am	Speaker Ready Room, 7:30 am - 4:00 pm, Captiva			
8:00 am	Registration, 8:00 am - 5:00 pm, City Hall Lobby Session Chair Breakfast, 8:00 am - 8:30 am, St. George 104 (<i>Invitation Only</i>)			
8:30 am	300 Plenary Session: Henry Norris Russell Lecture: Viewing the Universe with Infrared Eyes: The Spitzer Space Telescope, Giovanni Fazio (Harvard-Smithsonian CfA), 8:30 am - 9:20 am, Osceola C			
9:00 am	Exhibit Hall & Cyber Café, 9:00 am - 6:30 pm, Exhibit Hall A			
	Posters 333 - 349, 9:00 am - 6:30 pm, Exhibit Hall A			
	333 The REsolved Spectroscopy Of a Local VolumE (RESOLVE) Survey and its Environmental COntext (ECO) Poster Session	341 The Milky Way, The Galactic Center Poster Session		
	334 SDSS-IV MaNGA: Mapping Nearby Galaxies at Apache Point Observatory Poster Session	342 Evolution of Galaxies Poster Session		
	335 Opening a New Window on Cosmological Structure with Intensity Mapping Poster Session	343 Circumstellar and Debris Disks Poster Session		
	336 Science Results from the Stratospheric Observatory for Infrared Astronomy (SOFIA) Poster Session	344 Binary Stellar Systems, X-ray Binaries Poster Session		
	337 Astrophysical Constraints of Dark Matter Properties Poster Session	345 Formation and Evolution of Stars and Stellar Systems Poster Session		
	338 Relativistic Astrophysics, Gravitational Lenses & Waves Poster Session	346 Star Formation Poster Session		
	339 Intergalactic Medium, QSO Absorption Line Systems Poster Session	347 Molecular Clouds, HII Regions, Interstellar Medium Poster Session		
	340 Gamma Ray Bursts Poster Session	348 Computation, Data Handling, Image Analysis Poster Session		
		349 Catalogs, Surveys and Large Programs Poster Session		
9:30 am	Coffee Break, 9:30 am-10:00 am, Exhibit Hall A			
10:00 am	Oral and Special Sessions 301 - 313, 10:00 am - 11:30 am			
	301 Probing Early-type Galaxies Sun A	302 Planetary Nebulae and Supernova Remnants Sun B	303 AGN, QSO, Blazars: Dust, Obscuration, and Star Formation Sun C	304 Star Formation and Massive Clusters Sun D
	305 Future Prospects in Extrasolar Planet Detection Osceola A	306 Extrasolar Planets: Observations I Osceola B	307 Cosmology, CMB, and Dark Matter II Miami	308 Starburst Galaxies I Naples
	309 Circumstellar Debris Disks Tampa	310 Time-Domain and Applicable Methodologies Sanibel	311 The REsolved Spectroscopy Of a Local VolumE (RESOLVE) Survey and its Environmental COntext (ECO) Sarasota	312 SDSS-IV MaNGA: Mapping Nearby Galaxies at Apache Point Observatory Osceola 5
	313 Research and Professional Development Opportunities for Undergraduate Majors Osceola 4			
	Workshop: Advising for Advisors, 10:00 am - 11:30 am, St. George 108			
10:15 am	Press Conference, 10:15 - 11:15 am, Osceola 2			
11:40 am	314 Plenary Session: The Zwicky Transient Facility, Shrinivas Kulkarni (Caltech), 11:40 am - 12:30 pm, Osceola C			
12:30 pm	Workshop: Career Hour 3: Interviewing: What You Need to Do Before, During, and After to Get the Job, 12:30 pm - 1:30 pm, St. George 108			
12:45 pm	315 Town Hall: NSF Town Hall, 12:45 pm - 1:45 pm, Sun A			

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Thursday, 7 January 2016 continued				
2:00 pm	Oral and Special Sessions 316 - 328, 2:00 pm - 3:30 pm			
	316 Cosmological Simulations of Galaxies Sun A	317 Binary Stellar Systems, X-ray Binaries I Sun B	318 AGN, QSO, Blazars: Physics and Models Sun C	319 Star Formation Sun D
	320 Science Results from the Stratospheric Observatory for Infrared Astronomy (SOFIA) Osceola A	321 Extrasolar Planets: Observations II Osceola B	322 Dust, Grains, and Pebbles in Protoplanetary Disks Miami	323 Starburst Galaxies II Naples
	324 Catalogs, Surveys, and Data Viewing Tampa	325 Climate Change for Astronomers Sanibel	326 The Milky Way, Halo Substructure Sarasota	327 Astrophysical Constraints of Dark Matter Properties Osceola 5
	328 Teaching Practices for Undergraduates and Majors Osceola 4			
	The Guest Investigator Program for TESS, 2:00 pm - 3:30 pm, Orange Blossom Ballroom			
2:15 pm	Press Conference, 2:15 pm - 3:15 pm, Osceola 2			
3:40 pm	329 Plenary Session: 2014 Helen B. Warner Prize: The Past, Present, and Future of Statistical Cosmology, Christopher Hirata (The Ohio State University), 3:40 pm - 4:30 pm, Osceola C			
4:30 pm	330 Plenary Session: Observing the Non-Thermal Universe with the Highest Energy Photons, Brenda Dingus (LANL), 4:30 pm - 5:20 pm, Osceola C			
5:30 pm	Evening Poster Session, 5:30 pm - 6:30 pm, Exhibit Hall A			
	TMT Thermal IR Science & Instrumentation Workshop, 5:30 pm - 7:30 pm, St. George 108			
	AAS Publishing 101: Transition Updates, 5:30 pm - 6:30 pm, St. George 102			
6:00 pm	Star Party, 6:00 pm - 10:00 pm, Transportation Loop Adjacent to Exhibit Hall F			
6:30 pm	331 Town Hall: NRAO Town Hall, 6:30 pm - 8:30 pm, Sun A			
	332 Town Hall: LSST Town Hall, 6:30 pm - 7:30 pm, Sun D			

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Friday, 8 January 2016				
7:30 am	Speaker Ready Room, 7:30 am - 2:00 pm, Captiva			
8:00 am	Registration, 8:00 am - 12:00 pm, City Hall Lobby			
	Session Chair Breakfast, 8:00 am - 8:30 am, St. George 104 (<i>Invitation Only</i>)			
8:30 am	400 Plenary Session: 2015 Helen B. Warner Prize: Origins of Structure in Planetary Systems, Ruth Murray-Clay (University of California), 8:30 am - 9:20 am, Osceola C			
9:00 am	Exhibit Hall & Cyber Café, 9:00 am - 4:00 pm, Exhibit Hall A			
	Late Posters 430 - 446, 9:00 am - 4:00 pm, Exhibit Hall A			
	430 Extrasolar Planets and the Solar System Late Poster Session		439 Galaxy Clusters and Large Scale Structure Late Poster Session	
	431 Star Formation and Young Stars Late Poster Session		440 The Evolution of Galaxies Late Poster Session	
	432 Stellar Clusters and the Milky Way Late Poster Session		441 Galaxies of all Types Late Poster Session	
	433 Evolved Stars and Things That Go Boom in the Night Late Poster Session		442 Gravitational Waves, Lenses and GRBs Late Poster Session	
	434 Mellow Stellar Topics Late Poster Session		443 Cosmology Late Poster Session	
	435 Pulsars, Neutron Stars and Black Holes Late Poster Session		444 Catalog, Surveys, Computation and Related Topics Late Poster Session	
	436 The ISM, PNe and SNRs Late Poster Session		445 Instrumentation on Earth and in Space Late Poster Session	
	437 Binaries and Variable Stars Late Poster Session		446 Education Topics Late Poster Session	
	438 AGN and QSOs Late Poster Session			
9:30 am	Coffee Break, 9:30 am - 10:00 am, Exhibit Hall A			
	Light Pollution at Campus/University Observatories, 9:30 am - 11:30 am, Orange Blossom Ballroom			
10:00 am	Oral and Special Sessions 401 - 413, 10:00 am - 11:30 am			
	401 Physical Properties of High Redshift Galaxies Sun A	402 Binary Stellar Systems, X-ray Binaries II Sun B	403 AGN, QSO, Blazars: Gamma Ray and Cosmic Ray Sources Sun C	404 Formation and Evolution of Stars and Stellar Systems Sun D
	405 Relativistic Astrophysics, Gravitational Lenses & Waves Osceola A	406 Extrasolar Planets: Hosts, Interactions, Formation, and Interiors Osceola B	407 Cosmology, CMB, and Dark Matter III Miami	408 Structure and Physics of Galaxies at $z < 0.2$ Naples
	409 Molecular Clouds, HII Regions, Interstellar Medium I Tampa	410 The Milky Way, Galactic Center Sanibel	411 Gamma Ray and X-ray Binary Systems Sarasota	412 The Cosmic History of Light: New Results and Future Outlook Osceola 5
	413 Beyond the Academy: Showcasing Astronomy Alumni in Non-Academic Careers Osceola 4			
	Hack Day, 10:00 am - 5:00 pm, Tallahassee			
10:15 am	Press Conference, 10:15 am - 11:15 am, Osceola 2			
11:40 am	414 Plenary Session: The Jansky VLA: Rebuilt for 21st Century Astronomy, Gregg Hallinan (Caltech), 11:40 am - 12:30 pm, Osceola C			
12:45 pm	415 Town Hall: Gemini Observatory Town Hall, 12:45 pm - 1:45 pm, Tampa			
1:00 pm	Afternoon Poster Session, 1:00 pm - 2:00 pm, Exhibit Hall A			
2:00 pm	Oral and Special Sessions 416 - 427, 2:00 pm - 3:30 pm			
	416 Gamma Ray Bursts Sun B	417 AGN, QSO, Blazars: Broad lines, Narrow Lines, and Flows Sun C	418 Star Forming Regions: Observations Sun D	419 Cosmology Osceola A
	420 Extrasolar Planets: Populations and Demographics Osceola B	421 Catalogs, Surveys, Data: The Variable Sky Miami	422 Star-Forming Galaxies at $z \sim 0.3-1.0$ Naples	423 Pulsars and Neutron Stars Tampa
	424 Molecular Clouds, HII Regions, Interstellar Medium II Sanibel	425 The Milky Way, Stellar Populations Sarasota	426 Opening a New Window on Cosmological Structure with Intensity Mapping Osceola 5	427 Instrumentation: Exoplanets, Adaptive Optics, Transients Osceola 4
2:15 pm	Press Conference, 2:15 pm - 3:15 pm, Osceola 2			
3:40 pm	428 Plenary Session: News on the Search for Milky Way Satellite Galaxies, Keith Bechtol (University of Wisconsin-Madison), 3:40 pm - 4:30 pm, Osceola C			
4:30 pm	429 Plenary Session: Lancelot M. Berkeley Prize: Latest Results from Planck, Jan Tauber (ESA), 4:30 pm - 5:20 pm, Osceola C			
5:30 pm	AAS Closing Reception, 5:30 pm - 7:00 pm, Coquina Lawn			