

Program Schedule for Friday & Saturday Sept. 26-27, 2014

Time	Activity	Details	Presenter/ Sponsor	Location	Notes
6 PM to sunset	Solar (Sun) Viewing	Get an up-close and <u>safe</u> look at the Sun through <i>solar filter-equipped</i> telescopes. (NEVER look directly into the Sun either naked eye or through a telescope without using an approved solar filter.)	<i>All Clubs</i>	Telescope Field with Yellow Balloons	Clear skies only
6 PM to Midnight	Space Exploration Displays	Posters, handouts, demonstrations, and various make & take activities related to space and astronomy.	<i>All Clubs & Organizations</i>	Pavilion (building)	Cloudy or clear
6:15 PM	Comet Talk / Comet Making Demonstration	Learn about these special celestial visitors and what a comet is made up of! Watch a “comet” being made from dry ice and common household ingredients. Very family-friendly!	Mike Broughton – Kensington Metropark Nature Center Interpreter	Tent	Cloudy or clear
6:20 PM to 10 PM every 20 minutes	Night Sky Planetarium Presentation	View a simulation of the sky in this air-inflated planetarium. Free tickets are available at the Michigan Science Center vendor table (Tickets are first-come first-served, limited seating.)	The Michigan Science Center Starlab Portable Planetarium	Dome under pavilion	Cloudy or clear
6:45 PM	Rescue of Andromeda	Get involved in the Greek myth behind some of our favorite constellations! Mike transforms volunteers into Perseus, Andromeda, King Cepheus, Queen Cassiopeia, the titan Cetus, and the winged horse Pegasus in this fun and family-friendly play.	Mike Broughton - Kensington Metropark Nature Center Interpreter	Tent	Cloudy or clear
7:30 PM	Oh What a Spin We're In!	Safely explore the cold, the heat, and the rotation that we find in space. Includes a liquid nitrogen demonstration and a fire tornado.	Jeff Conn – Wayne State University	Tent	Cloudy or clear
8:15 PM	Losing the Dark	Is poor lighting stealing more than just your view of the stars? Find out with the director of The Headlands, an International Dark Sky Park near Mackinaw City.	Mary Stewart Adams – The Headlands, International Dark Sky Park	Tent	Cloudy or clear
8:40 PM	3D Tour	Take a guided 3D tour through our Solar System and beyond! (Red-blue anaglyph glasses are provided.)	Dave D'Onofrio – Warren Astronomical Society	Tent	Cloudy or clear
9:00 PM	Keynote Speaker, “Our Cosmic Perspective”	Dr. Schmoll uses photos and graphics to explain the great distances we find in the cosmos in comparison to the small size of the Earth.	Shannon Schmoll – Director, MSU Abrams Planetarium	Tent	Cloudy or clear
10:00 PM	Tour of the Constellations	Want to find your way around the night sky? Take this guided tour and learn how to find the major summer constellations, and some of the rich history, myths, and importance of them.	Diane Hall – Warren Astronomical Society; Shannon Murphy – EMU Astronomy Club	On the sidewalk at the Beach	Clear skies only
Dusk to 10:30 PM	Skytour Scavenger Hunt	Ages 3-17: Grab a checklist and look through our club telescopes to find the Moon, planet(s), nebulae, star clusters, and galaxies for a prize! (If it's cloudy, we offer an astronomy quiz instead.)	<i>Checklists & Prizes at Info & Club Tables</i>	Telescope Field	Cloudy or clear
Dusk to 12:00 PM	General Viewing	Look through a wide variety of telescopes brought to the event by our enthusiastic and knowledgeable GLAAC club members! Catch the Moon, Mars and Saturn just after sunset, and galaxies, double stars, nebulae, and star clusters throughout the night.	<i>All Clubs</i>	Telescope Field	Clear skies only

GLAAC invites you to see us again at Kensington AATB on Sept 25-26, 2015!

Check www.glaac.org for more events near you!



GLAAC remembers
John Schroer and Bob Fitzgerald.
Our event and our clubs would not have been as
successful without their many contributions,
and they will be dearly missed.

GLAAC & Kensington Metropark Welcome You to The 18th Annual Astronomy at the Beach



Dr. Shannon Schmoll received her undergraduate degree in Astronomy from the University of Washington and her Ph.D.s. in Astronomy and Science Education from the University of Michigan. She has worked at the Adler Planetarium and the Field Museum. Her plans are to continue to develop and enhance the educational programs as Director of the Abrams Planetarium at Michigan State University.

Astronomy at the Beach is financially underwritten by:

Huron-Clinton Kensington Metropark	Michigan Science Center
Varsity Lincoln	Eaton Corporation
Co-Op Services Credit Union	Cranbrook Institute of Science
Eastern Michigan University Planetarium	Ford Amateur Astronomy Club
Seven Ponds Astronomy Club	University Lowbrow Astronomers
University of Michigan Dearborn	Warren Astronomical Society
	Wayne State University Planetarium

**This program provided by a donation from
Jack and Cecelia Brisbin.**



The Great Lakes Association of Astronomy Clubs (GLAAC) is an association of amateur astronomy clubs in Southeastern Michigan who work together to provide enjoyable, family oriented activities that focus on our hobby: astronomy and space sciences. Our primary aim is to share the fun and wonder through talks, star parties, and demonstrations with others. Check out our web site at www.glaac.org, and find the GLAAC club near you:

[The Astronomy Club at Eastern Michigan University](http://www.emich.edu/physicsastronomy/clubs/astronomy.php)
www.emich.edu/physicsastronomy/clubs/astronomy.php

[The Ford Amateur Astronomy Club](http://www.fordastronomyclub.com)
www.fordastronomyclub.com

[The Oakland Astronomy Club](http://www.oaklandastronomy.org)
www.oaklandastronomy.org

[The Seven Ponds Astronomy Club](http://www.bhmich.com/sevenpondsac)
www.bhmich.com/sevenpondsac

[The Student Astronomical Society](http://www.umichsas.com)
www.umichsas.com

[The Sunset Astronomical Society:](http://www.sunsetastronomicalsociety.com)
www.sunsetastronomicalsociety.com

[The University Lowbrow Astronomers](http://www.umich.edu/~lowbrows)
www.umich.edu/~lowbrows

[The Warren Astronomical Society](http://warrenastro.org)
warrenastro.org