

# Friday, September 18

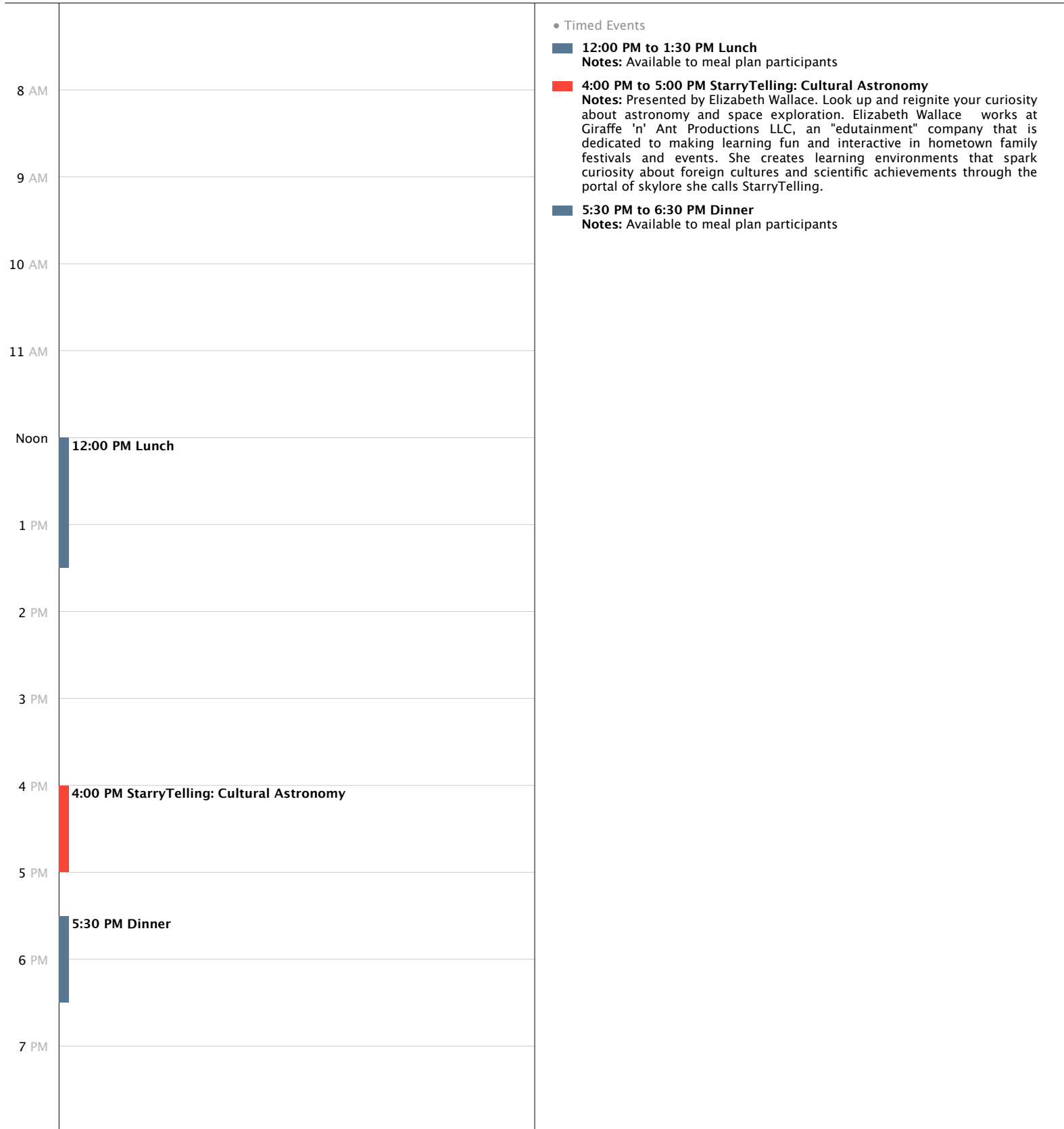
Week 38 of 2009

September 2009

October 2009

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27	28	29	30				25	26	27	28	29	30	31

- AHSP09 NRAO Tour
- AHSP09 Outdoor Activities
- AHSP09 Program
- AHSP09 Meals



# Saturday, September 19

Week 38 of 2009

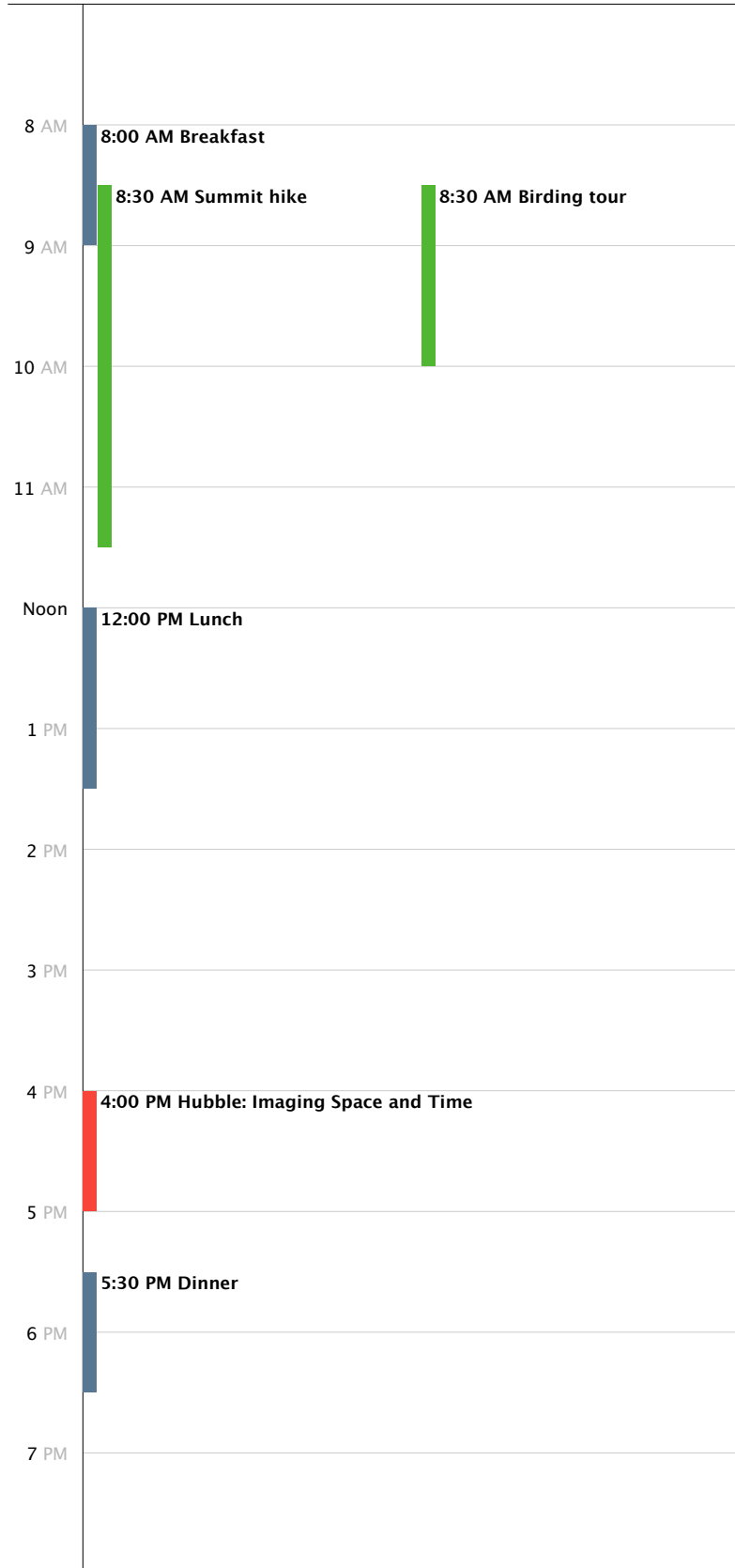
- AHSP09 NRAO Tour
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September 2009

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October 2009

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• Timed Events

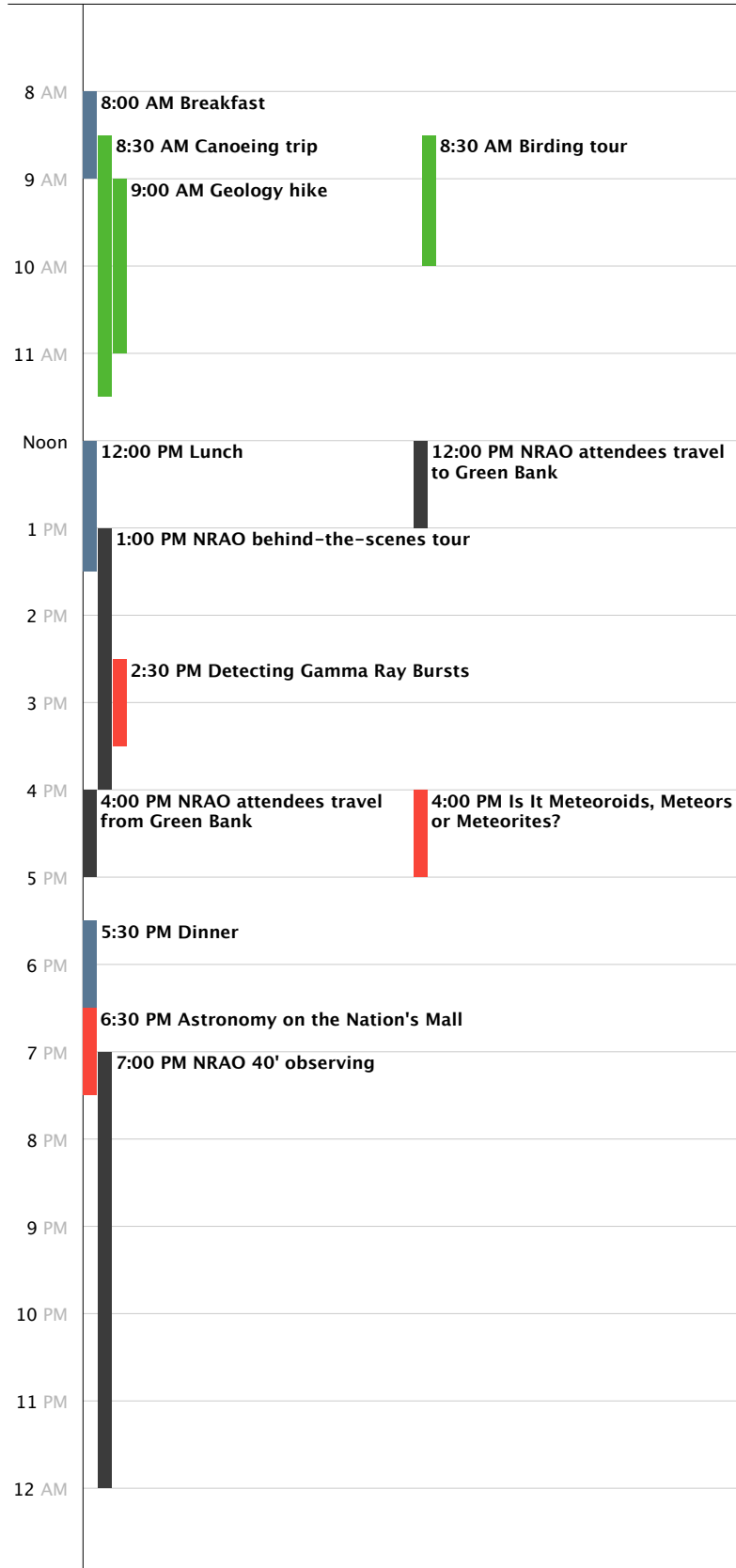
- 8:00 AM to 9:00 AM Breakfast**  
Notes: Available to meal plan participants
- 8:30 AM to 11:30 AM Summit hike**  
Notes: Available to pre-registered participants. Contact a staff member if you'd like to add this event. Meet on the deck by the main yurt.
- 8:30 AM to 10:00 AM Birding tour**  
Notes: Open to all AHSP attendees; no pre-registration required. Meet on the deck by the main yurt.
- 12:00 PM to 1:30 PM Lunch**  
Notes: Available to meal plan participants
- 4:00 PM to 5:00 PM Hubble: Imaging Space and Time**  
Notes: Presented by Dr. David DeVorkin, senior curator of history of astronomy and space sciences at the National Air and Space Museum. See some of the most spectacular images taken by the Hubble Space Telescope including the deepest regions of visible space, close to the time when the universe began.
- 5:30 PM to 6:30 PM Dinner**  
Notes: Available to meal plan participants

# Sunday, September 20

Week 39 of 2009

- AHSP09 NRAO Tour
- AHSP09 Outdoor Activities
- AHSP09 Program
- AHSP09 Meals

September 2009							October 2009						
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27	28	29	30				25	26	27	28	29	30	31



• Timed Events

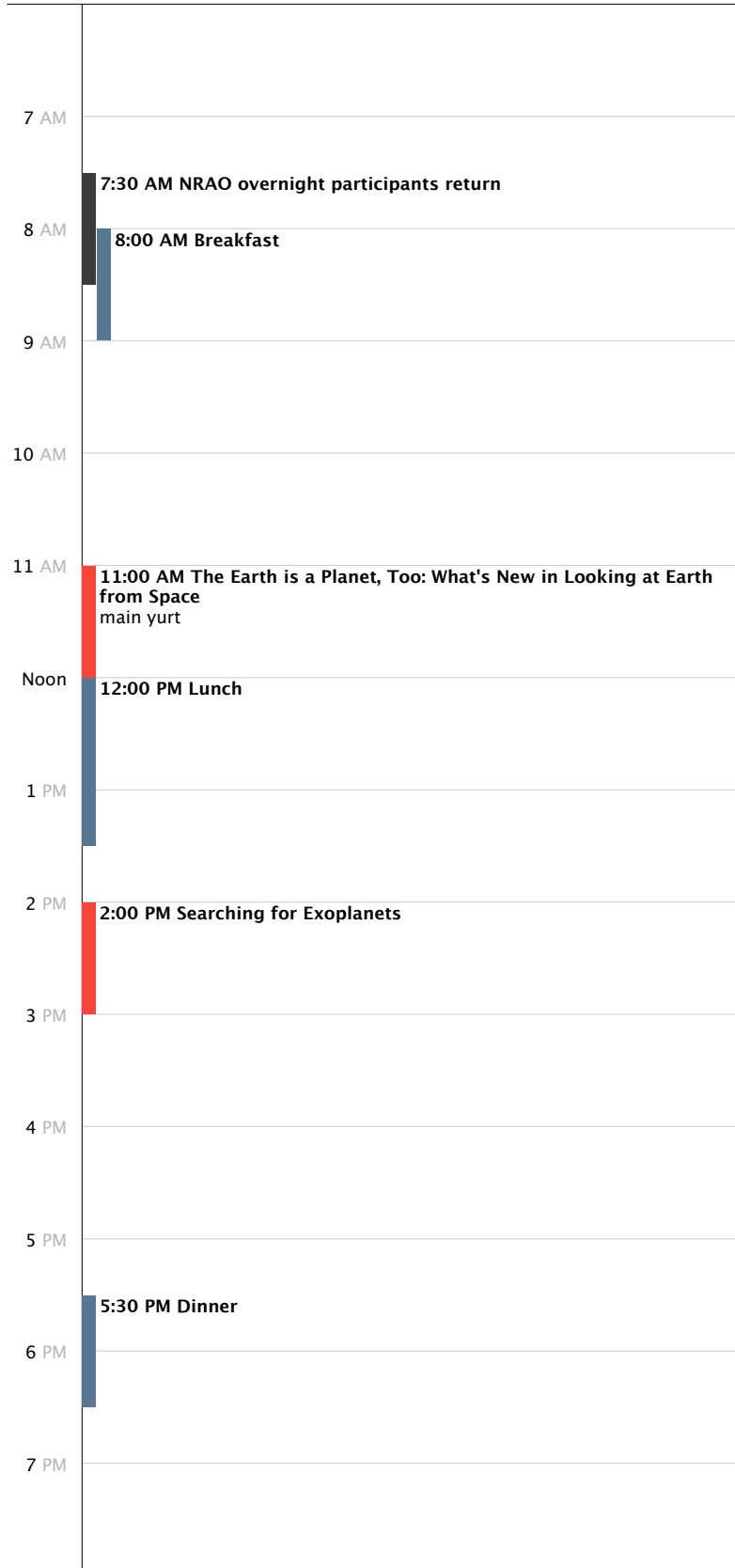
- 8:00 AM to 9:00 AM Breakfast**  
Notes: Available to meal plan participants
- 8:30 AM to 10:00 AM Birding tour**  
Notes: Open to all AHSP attendees; no pre-registration required. Meet on the deck by the main yurt.
- 8:30 AM to 11:30 AM Canoeing trip**  
Notes: Available to pre-registered participants. Contact a staff member if you'd like to add this event. Meet on the deck by the main yurt.
- 9:00 AM to 11:00 AM Geology hike**  
Notes: Open to all AHSP attendees; no pre-registration required. Meet on the deck by the main yurt.
- 12:00 PM to 1:00 PM NRAO attendees travel to Green Bank**
- 12:00 PM to 1:30 PM Lunch**  
Notes: Available to meal plan participants
- 1:00 PM to 4:00 PM NRAO behind-the-scenes tour**
- 2:30 PM to 3:30 PM Detecting Gamma Ray Bursts**  
Notes: Gamma-ray bursts are short-lived bursts of gamma-ray photons, the most energetic form of light. Lasting anywhere from a few milliseconds to several minutes, gamma-ray bursts shine hundreds of times brighter than a typical supernova and about a million trillion times as bright as the Sun, making them briefly the brightest source of cosmic gamma-ray photons in the observable Universe.  
  
Tom Finkenbinder is an amateur astronomer and gamma ray burst enthusiast. He manages NOVAC's 35-member Gamma Ray Burster special interest group on Yahoo.com.
- 4:00 PM to 5:00 PM NRAO attendees travel from Green Bank**
- 4:00 PM to 5:00 PM Is It Meteoroids, Meteors or Meteorites?**  
Notes: Learn the difference between meteoroids, meteors, and meteorites, and what makes meteors tick. Stephen Tilford is an amateur astronomer who likes sharing his love of the night sky with people who may have never gotten a glimpse of Jupiter or the rings of Saturn or countless other astronomical eye candy. He is very involved with public outreach in astronomy and teaches the Astronomy merit badge for the Boy Scouts of America. Stephen is currently a member of the Cincinnati Astronomical Society and serves as a presenter for the Cincinnati Observatory Center.
- 5:30 PM to 6:30 PM Dinner**  
Notes: Available to meal plan participants
- 6:30 PM to 7:30 PM Astronomy on the Nation's Mall**  
Notes: Presented by Dr. David DeVorkin, senior curator of history of astronomy and space sciences at the National Air and Space Museum. Hear about history of astronomy in Washington, D.C. from the US Naval Observatory to the Smithsonian Astrophysical Observatory, to the Museums, to the failed effort to build a National Planetarium, and finally the opening of our new Public Observatory Project.
- 7:00 PM to 12:00 AM (9/21) NRAO 40' observing**

# Monday, September 21

Week 39 of 2009

- AHSP09 NRAO Tour
- AHSP09 Outdoor Activities
- AHSP09 Program
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• Timed Events

- 7:30 AM to 8:30 AM NRAO overnight participants return**
- 8:00 AM to 9:00 AM Breakfast**  
**Notes:** Available to meal plan participants
- 11:00 AM to 12:00 PM The Earth is a Planet, Too: What's New in Looking at Earth from Space**  
**Location:** main yurt  
**Notes:** Many new commercial visible and radar imaging satellites now orbit the Earth. Learn how the needs of astronomers converged with commercial satellite breakthroughs and timely funding produced rapid improvements in the '70s and '80s. Alan Goldberg is a principal scientist with The MITRE Corp. in McLean, VA. He's been an amateur astronomer since elementary school, and finally owns an 8" SCT. After graduate study at Univ. of Texas and MIT in astronomy and planetary science, he worked on the design and operation of the Hubble Space Telescope. He has also worked on Landsat, NASA's Earth Observing Satellite (EOS) series, and NOAA's NPOESS weather satellite. He currently assists the government in buying commercial space-based Earth imagery.
- 12:00 PM to 1:30 PM Lunch**  
**Notes:** Available to meal plan participants
- 2:00 PM to 3:00 PM Searching for Exoplanets**  
**Notes:** In 1995 astronomers bagged their first exoplanet and the count now stands at more than 350. Hear about the search for these hidden gems and a discussion about life on other planets. Stephen Tilford is an amateur astronomer who likes sharing his love of the night sky with people who may have never gotten a glimpse of Jupiter or the rings of Saturn or countless other astronomical eye candy. He is very involved with public outreach in astronomy and teaches the Astronomy merit badge for the Boy Scouts of America. Stephen is currently a member of the Cincinnati Astronomical Society and serves as a presenter for the Cincinnati Observatory Center.
- 5:30 PM to 6:30 PM Dinner**  
**Notes:** Available to meal plan participants

# Tuesday, September 22

Week 39 of 2009

- AHSP09 NRAO Tour
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