

The X-Ray Universe: Using Chandra Image Technology to Study the Universe
Augusta, Maine – July 27th – 30th



July 28th

- 9:00 – 9:30** **Introductions**
9:30 – 10:30 **Presentation: *Chandra and the X-Ray Universe***
10:30 – 10:40 **Break**
10:40 – 12:00 **Activity: *Invisible Light Sources and Detectors***
12:00 – 12:30 **Lunch**
12:30 – 1:30 **Activity: *The Herschel Experiment***
1:30 – 2:30 **Activity: *Scaling the Spectrum***
2:30 – 3:30 **Performance Task: *Electromagnetic Pasta***

July 29th

- 9:00 – 9:30** **Presentation: *From Starlight to Pixels***
9:30 – 10:30 **Activity: *Imaging***
10:30 – 10:40 **Break**
10:40 – 12:00 **Activity: *DS9 Imaging Analysis Software* [Laptops]**
12:00 – 12:30 **Lunch**
12:30 – 1:15 **Presentation: *Variable Stars***
1:15 – 2:15 **Activity: *Stellar Heartbeats***
2:15 – 2:25 **Break**
2:25 – 3:30 **Activity: *A Variable Star in Cygnus* [Laptops]**

July 30th

- 9:00 – 10:00** **Presentation: *Cosmic Evolution* [Laptops]**
10:00 – 10:10 **Break**
10:10 – 11:10 **Activity: *The Game of Stellar Evolution***
11:10 – 12:00 **Performance Task: *Stellar Cycles***
12:00 – 12:30 **Lunch**
12:30 – 1:30 **Activity: *Artful Supernovae***
1:30 – 2:30 **Activity: *Black Holes***
2:30 – 3:30 **Activity: *Quasars***