A Resource Guide to Exploring Eclipses in General and the August 21, 2017 Total Eclipse of the Sun

Andrew Fraknoi

Foothill College, Los Altos Hills, California, USA; fraknoiandrew@fhda.edu

Abstract. On August 21, 2017, there will be a total eclipse of the Sun, for which the path of totality goes through only one country, the U.S. We present the beginnings of a resource guide to eclipses and to that upcoming “Great American Eclipse.” Suggestions and additions to this guide are most welcome.

1. Books about Eclipses


• Brewer, Bryan 1991, Eclipse, Earth Views. Out of print, but used copies are available. Information on history and legends associated with eclipses, as well as science.

2. Articles about Eclipses


• Zeiler, Michael 2012, “The Evolving Eclipse Map” in Sky & Telescope, Nov. 2012, p. 34. On the history and current state of making a map of where the path of an eclipse will cross the Earth.
3. Articles about Eclipses and History


4. Websites about Eclipses

- Mr. Eclipse: [http://www.mreclipse.com/MrEclipse.html](http://www.mreclipse.com/MrEclipse.html) (NASA Astronomer Fred Espenak has earned the nickname Mr. Eclipse for his tireless work calculating and explaining eclipses through the years; this site includes lots of introductory and explanatory material on eclipses in general and specific eclipses that are coming up.


- NASA’s Eclipse Web Site: [http://eclipse.gsfc.nasa.gov/eclipse.html](http://eclipse.gsfc.nasa.gov/eclipse.html) (this is the site for reliable information on eclipse paths and circumstances in the past and the future; the site is a bit technical, so beginners should start with the Mr. Eclipse site above.)

- Hermit Eclipse: [http://moonblink.info/Eclipse/](http://moonblink.info/Eclipse/) (a site by an amateur with a lot of information on how eclipses work, when future or past eclipses take place, maps, etc.)


- Rainbow Symphony (the company that makes eclipse glasses): [http://www.rainbowsymphony.com/eclipse-glasses.html](http://www.rainbowsymphony.com/eclipse-glasses.html)

5. Interdisciplinary Approaches to Eclipses


6. Websites about the 2017 Eclipse

- Eclipse2017 Site (by an eclipse enthusiast):

- The Great American Eclipse Site (also by an enthusiast):
  http://www.greatamericaneclipse.com/

- NASA Eclipse 2017 Page by Fred Espenak:

- *Sky & Telescope* 2017 Eclipse Page with Jay Anderson’s chart of best bets for good weather:

- Astronomy Magazine’s 2017 Eclipse Information:
  http://www.astronomy.com/2017eclipse

- U.S. Naval Observatory Eclipse 2017 Page and Calculator:

- Eclipse Chasers 2017 Page (by enthusiast Bill Kramer):

- Early-look Weather Predictions by Jay Anderson:
  http://home.cc.umanitoba.ca/~jander/tot2017/tse17intro.htm

- Google Map with Solar Eclipse Path by Fred Espenak:

- Google Map with Solar Eclipse Path by Xavier Jubier:

- Eclipse Maps for 2017 by Michael Zeiler:

- Tips for Observers by Michael Bakich (Astronomy Magazine):

- Astronomical League 2017 Convention in Wyoming along the eclipse path:
  http://astrocon2017.astroleague.org/

- Kentucky’s Solar Eclipse (touting Hopkinsville):
  http://www.kysolareclipse.com/

- Doug Duncan’s Eclipse Tour at Jackson Lake Lodge:
  http://app.certain.com/profile/web/index.cfm?PKwebID=0x627495a393&varPage=home

- American Astronomical Society 2017 Eclipse Page:
  http://aas.org/education/outreach/eclipse-2017
Figure 1. Illustration for the “Great American Eclipse,” by Tyler Nordgren (used with permission).