

# Bellarmine 2017 Eclipse Plans and Notes

Stephen Brown and Ahktar Mahmood

July 10, 2017

## 1 Notes given to us

- Provide expert perspective about the upcoming solar eclipse
- “How to watch the eclipse”
- A description of what’s happening in the sky
- What has everyone so excited about this particular opportunity,etc.

## 2 Stephen’s notes

### 2.1 Understand!

MUST BE IN SHADED REGION TO SEE TOTALITY!



Figure 1: Total Eclipse Map of United States

### 2.2 Next Eclipse

Next one in the area will be April 2024, but there will not be another total near by till after 2100....so do what you can to see this one.



Figure 2: Kentucky's Path of Totality

### 2.3 Safety

- welding glasses...
- Don't Look at Sun
- etc

### 2.4 What's going on in the Sky?

- Saros cycle = 18 yrs, 11 days, 8 hrs. (120degrees)
- syzygy "astronomical alignment"
  - 'all eclipses are syzygy events, but not all syzygy events are eclipses.'

