

ASTR 288C

Homework 10

Due: 3:30pm, Nov. 13, 2017

- Write everything in this homework assignment in the LaTeX file of homework 4.
- Print out BOTH the original LaTeX file and the output pdf file and turn them in.

In homework 4, you wrote the science rationale section for your proposal. Start from that same latex file, include the following items to complete the other half of the proposal.

As we discussed in class, your proposal will be judged by the following criteria:

- Clarity: clearly state your scientific goal and method.
- Feasibility (finish in ~ 3 weeks)
- Relevant to *Swift* (use of *Swift* data). **Specifically, make sure your project includes at least 3 of the following items:**
 - *Swift* XRT/BAT GRB catalogs
 - Temporal/Timing analysis
 - Spectral analysis
 - Statistical analysis
 - Coding
- Riskiness/difficulty
- Creativity

Even for people doing projects with the same title, each person has to design your own method.

1. **[5 points]** Fill out the “abstract” section, which is a one paragraph summary that contains the following:
 - What is the scientific importance of your project?

- What is your goal of this project? In other words, what science question(s) do you plan to answer?

(If you decided to change your project, modify the title you had in homework 4 so that it matches with your new project, and leave the “science rationale” section blank. Remember to email the instructor your new title and abstract by noon on Friday, Nov. 10.)

2. **[15 points]** After the “science rationale” section, create a new section called “Objective’. In this section, clearly describe how you plan to complete the project. Remember you only have \sim three weeks to finish this project, so be as specific about your method as possible.

The page limit for the “Objective” section is 1 page in the output pdf file.

3. **[10 points]** Include a table like the following that clearly states your proposed time schedule for your project. That is, in the “proposed goal” column, fill in the major step that you plan to accomplish by the date. This table does not count into the page limit.

Table 1: Proposed timeline of this project.

Date	Proposed goal
11/27	
12/04	
12/11	