PHY 517 / AST 443:
Observational Techniques in Astronomy

Announcements
Sept. 24, 2018

Lab Reports!

- make sure you read "How to write a decent lab report" on the wiki...

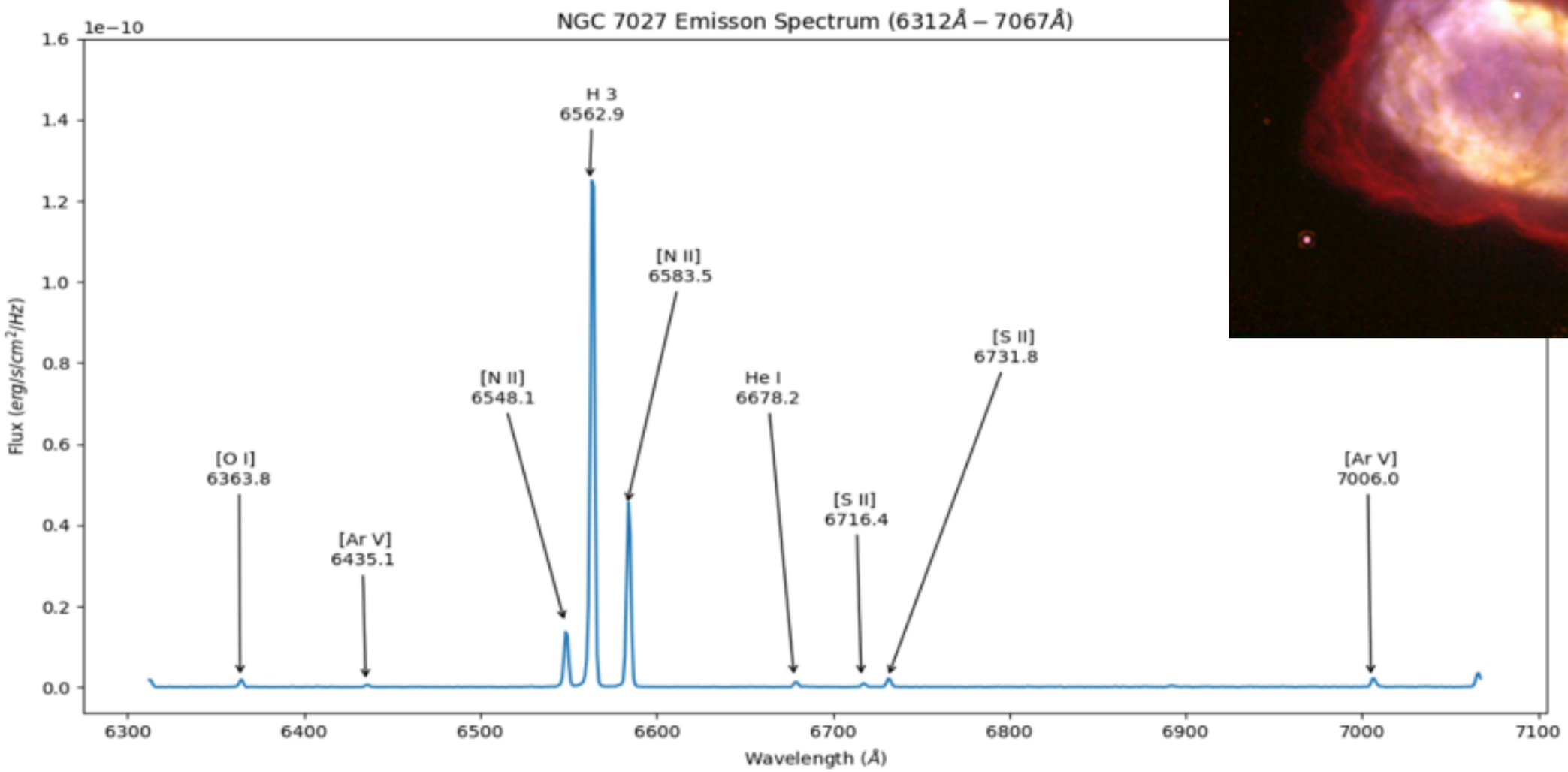
- blind grading:
  - in practice, difficult for a small class
  - we'll keep TAs (mostly) blind
  - please list only your SBU ID as author, and send / hand the report only to me
  - instructions ask you to identify which parts were done by co-authors exclusively → use SBU ID
  - if you use github (encouraged!) for your code, send the link to me

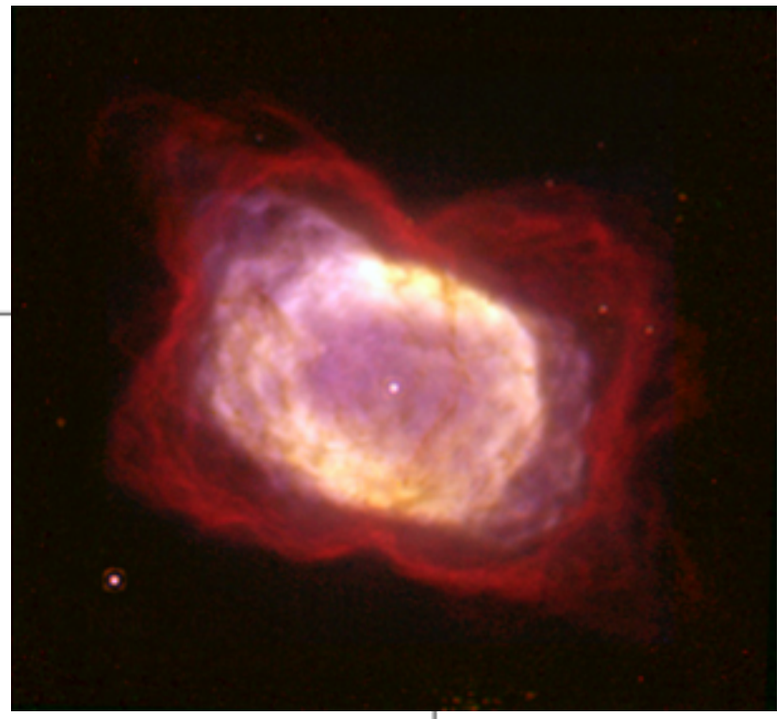
Lab 1

- we've been having pretty bad weather; only one group has taken their data
- done with Lab 0, but don't have Lab 1 data yet?
  - ➡ work on the transit data from tutorial 4 - can develop your scripts to make analysis faster when you get your data

Lab 2 - optical spectroscopy

- measure the gas temperature and density of a gaseous nebula from emission line ratios





2017 lab

Spectroscopy Lab - Preparation

- https://github.com/anjavdl/PHY517_AST443/wiki/Lab-2:-Diffuse-Nebula-Spectroscopy
- select a suitable target: emission line nebula (bright planetary nebula, such as the Ring nebula, or star-forming region, such as the Orion nebula) with high surface brightness
- resources on PNs collected on Lab 2 wiki page
- ensure that it has good visibility for several hours per night
- pick three dates (two for back-up due to weather / technical issues) between today and Nov 2nd; check observing calendar; e-mail me your observing request
- avoid bright nights (Full Moon ± 3 days)