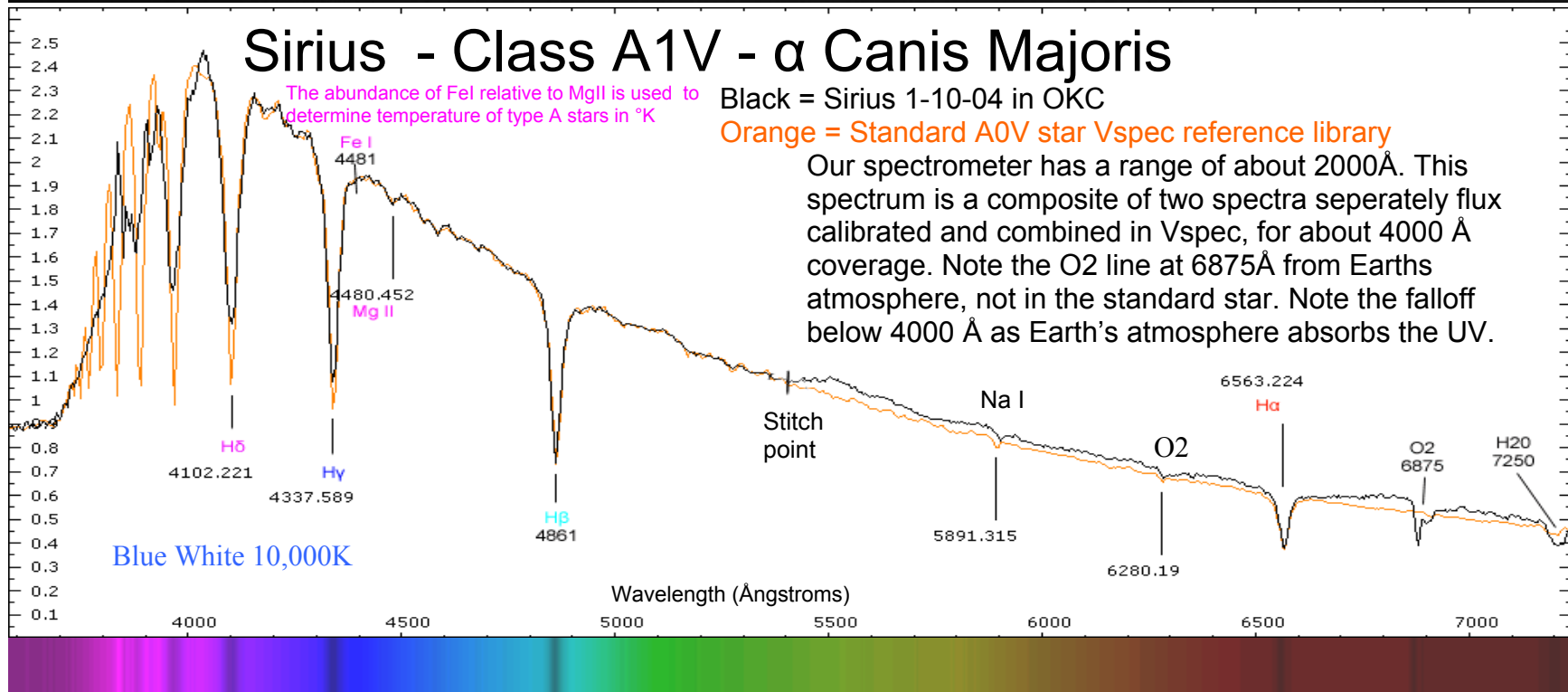
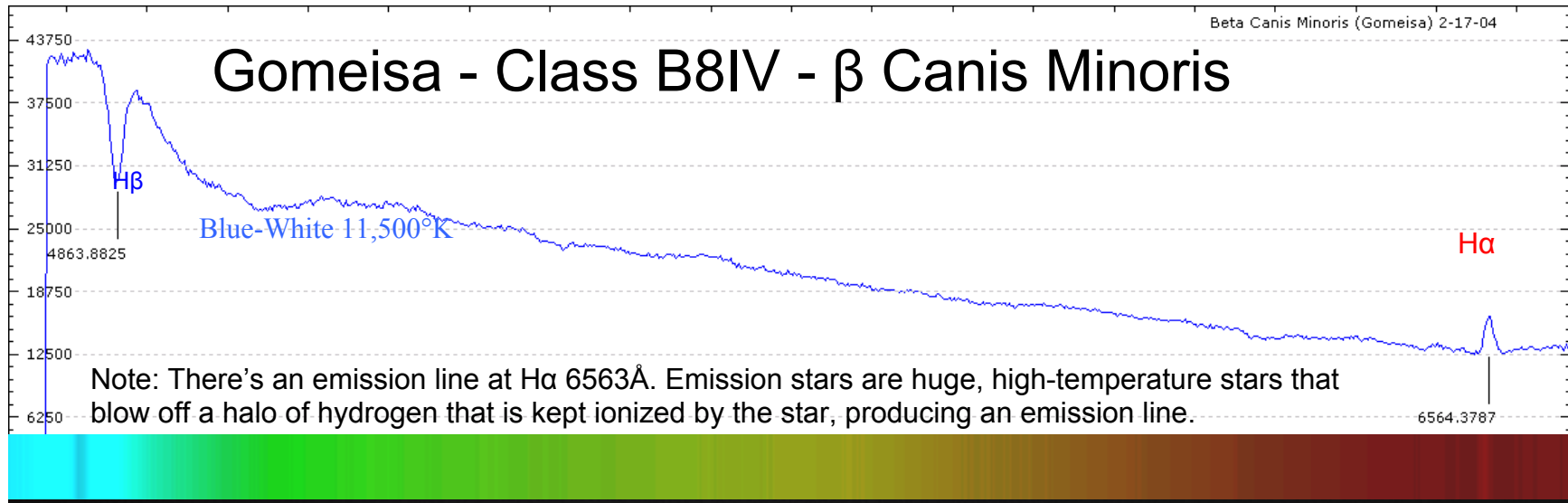
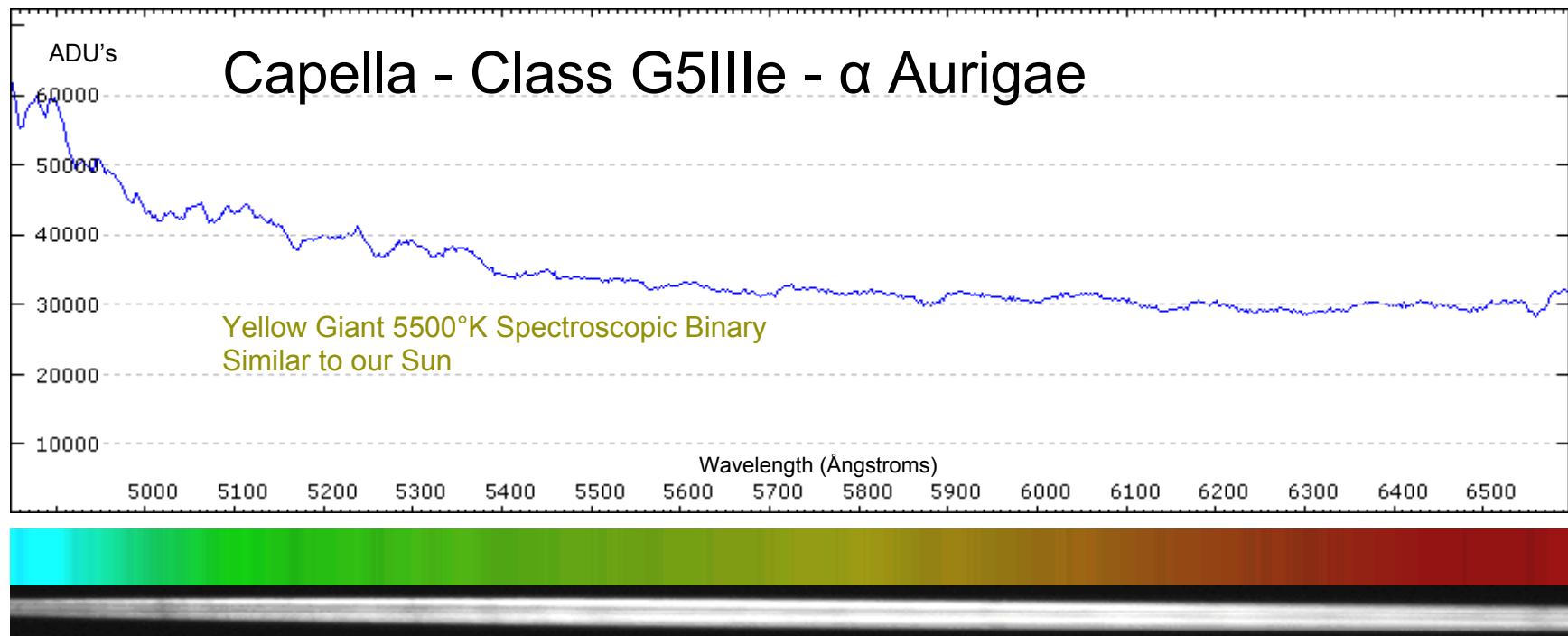
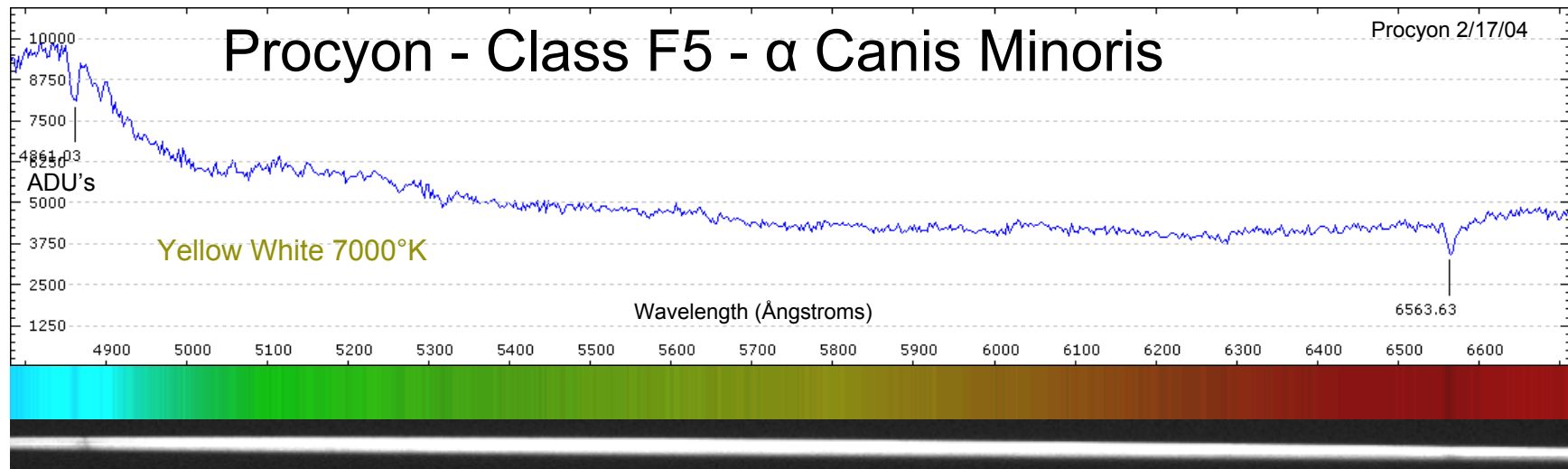
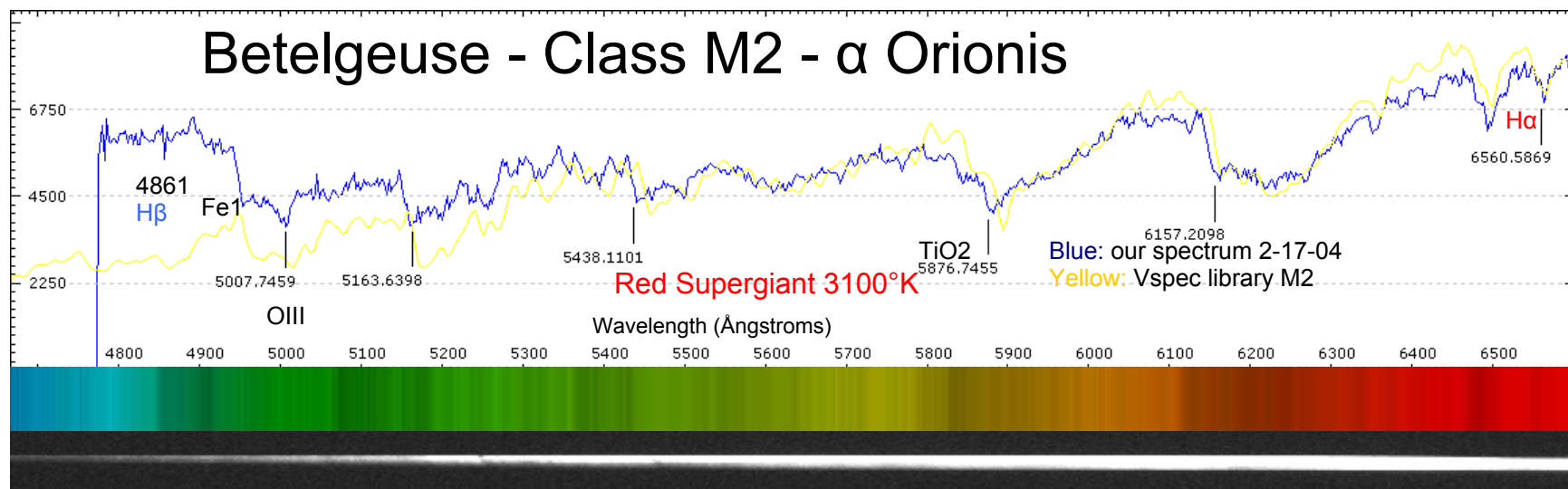
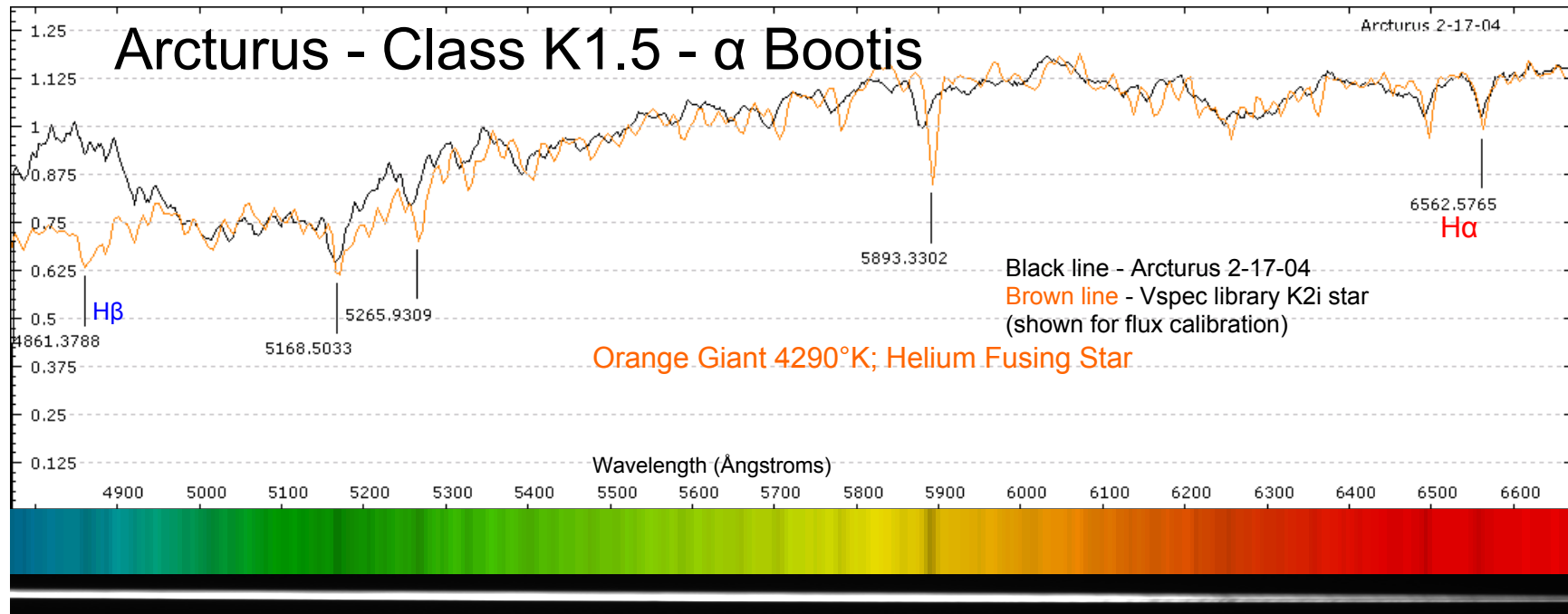


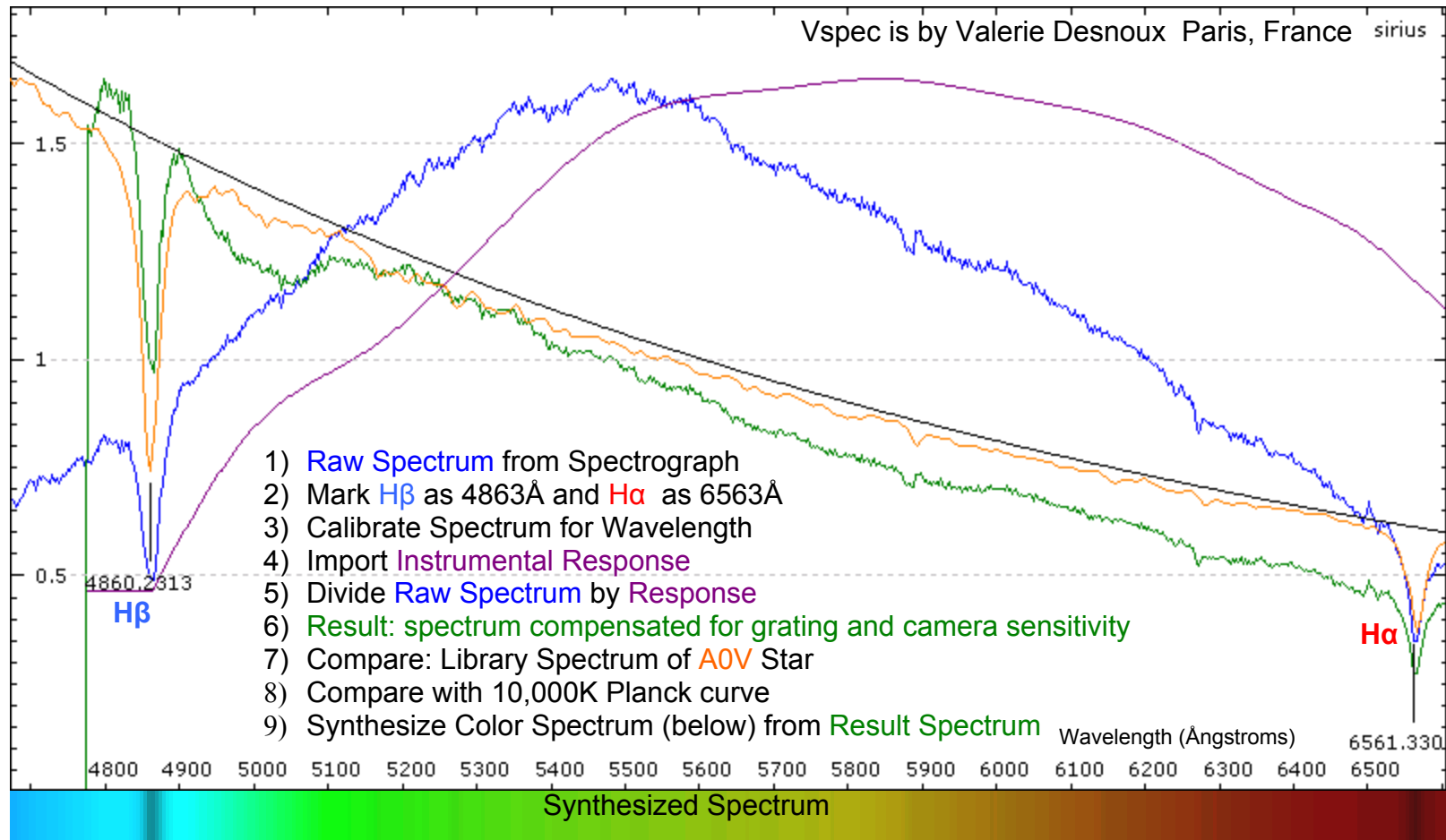
Astronomical Spectra taken with the Classical Spectrograph







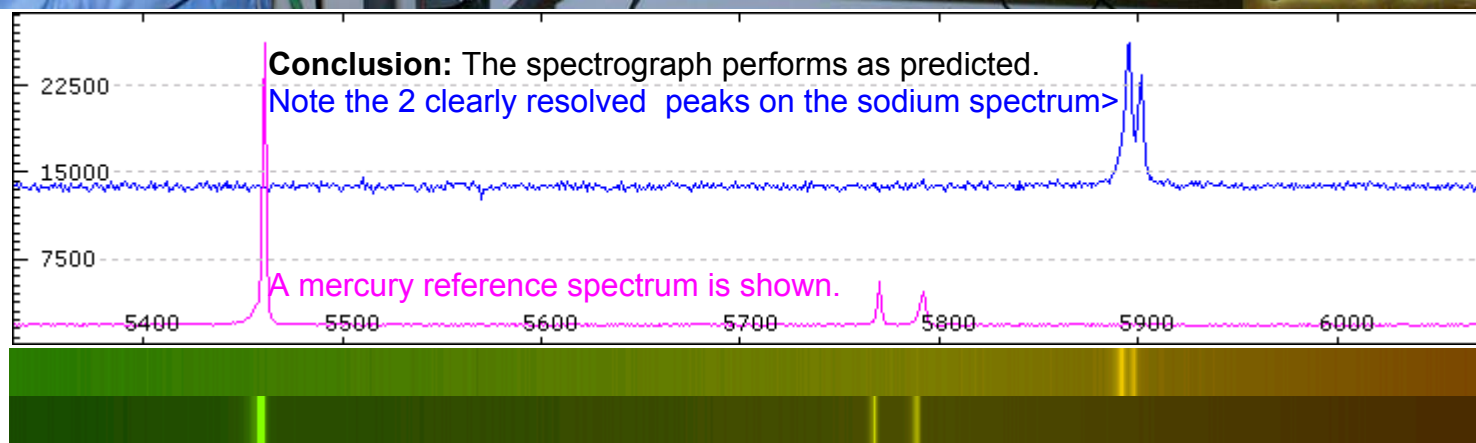
Flux Calibration with Vspec

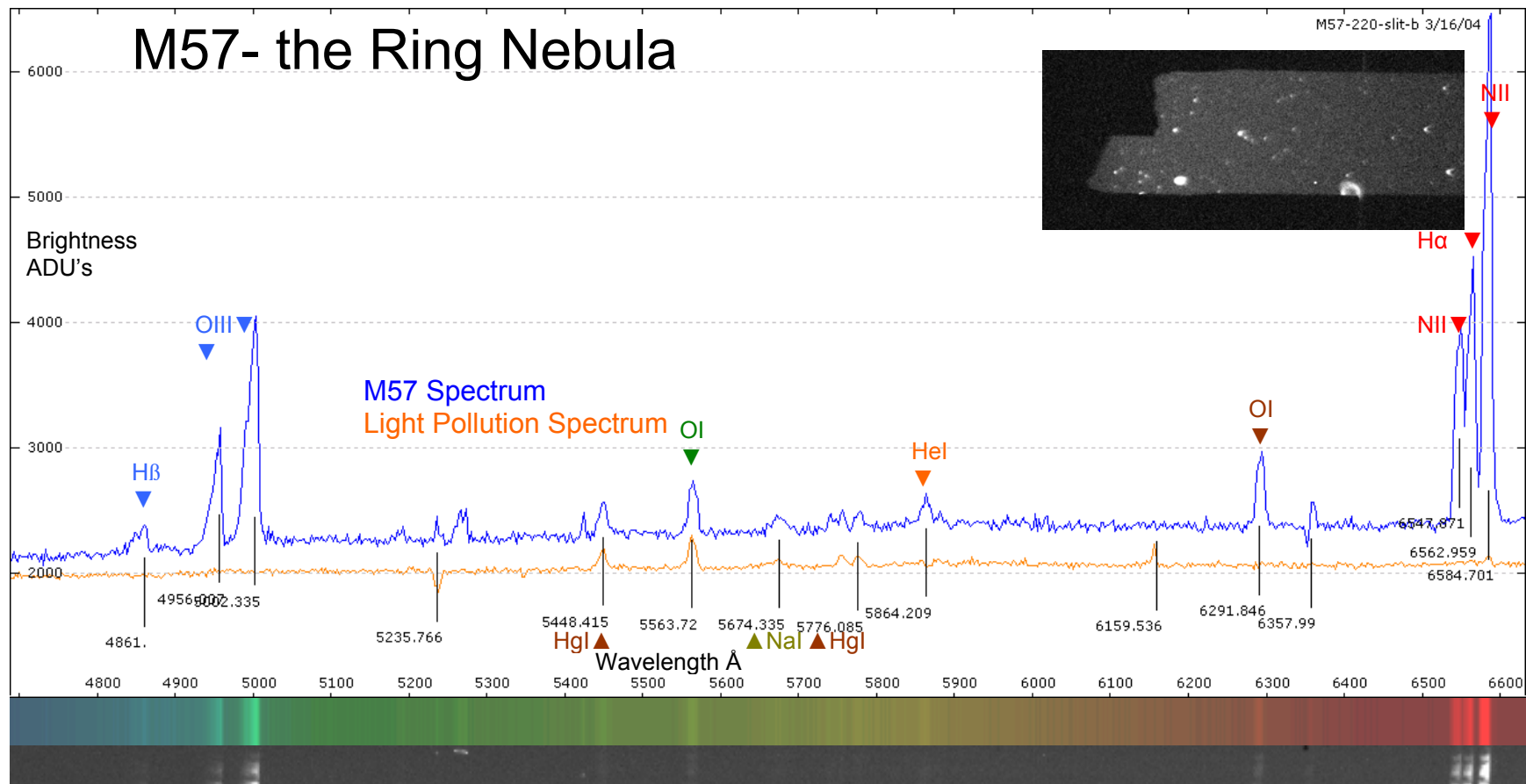


Experiment: What is the Resolution of the Spectrograph?

Hypothesis: If a sodium light source is analyzed through this project's spectrograph, then the sodium doublet at 5890Å and 5896Å may be resolved, therefore verifying the theoretical design's resolution of 6 Å.

Procedure: 1) Reconfigure the spectrograph with the slit set as small as possible and 135mm lens on the SBIG Camera. 2) Calibrate the spectrometer with a mercury lamp 3) Connect a Kosher dill pickle to 120Vac. 4) Take spectras quickly.





The Ring Nebula is an example of a planetary nebula. In the Ring Nebula, a dying red giant star blew off gas and contracted to form a white dwarf. Ultraviolet light from the central star causes the shell of gas to glow. This will be our fate in 5 billion years.

