# (Astro)Physics 343 Lecture # 4:
# Lab # 2 + Temperature Scales

# Lab # 2: more observations of the Sun...

**First part of lab: measure the aperture efficiency of the SRT.**

**Second part of lab: assess level of solar variability.**

**Most data will (again) be taken in service mode. For solar variability studies, you will create script fragments that will be merged to form a single master script. This will be run Thursday, Friday, Saturday, Sunday, and Monday, and the data for your specific slot (see instructions) will be emailed to you.**

**15 emails received with questions about Lab # 1. Don't be shy!**

# Some details about the SRT

**Digital receiver modes:**

- **1 = 500 kHz bandwidth, 64 channels (default)**
- **2 = 250 kHz bandwidth, 64 channels**
- **3 = 125 kHz bandwidth, 64 channels**
- **4 = 1218.75 kHz bandwidth, 156 channels**

**Current calibration scheme: raw data in instrument counts are automatically multiplied by "calcons" = 0.12 to obtain antenna temperatures in K. SRT software reports this antenna temperature on screen and in output files.**

# Quiz