



ASTRO 1020 Lab

L1: Sunspots & Solar Rotation

Lab Expectations

- Lab manual is key
- Please be on time
- No food in the lab
- Attendance
- Excused absences
- Answer sheets

Excused Absences

Students may be excused from class for the following reasons:

- Authorized events where the student is an official representative of the University. This includes participating in athletic events, delegate to regional or national meetings, etc.
- Legal obligations which include jury duty and military commitments that require a student to be absent from class. These are typically scheduled in advance and it is the student's responsibility to let the instructor know as soon as possible.
- Death in the family.
- Illness and/or a medical emergency.

Printing & Submitting Labs

 **Please print the ASTR 1020 Lab Answer Sheets.**

While you are welcome to print the labs, your lab instructor will only **collect the Lab Answer Sheet**. This is done to make things as easy as possible for everyone. Your labs and answer sheets will be available on iCollege. Every student has access to printing which is available at all library locations.

[Link to Printing Services](#)

Note that Library North 1 and North 2 are right next to Langdale.

Grading

- All labs are scaled to be graded out of 10 points*

Points per question	Description
1.0	A correct answer with units and work shown. Answers that don't require work will be graded on completion
0.8	A correct answer without units or work shown
0.6	An incorrect answer with units and work shown
0.4	An incorrect answer without units or work shown
0.2	Some work shown without an answer
0.0	Not Attempted

Things you need to know for Lab 1

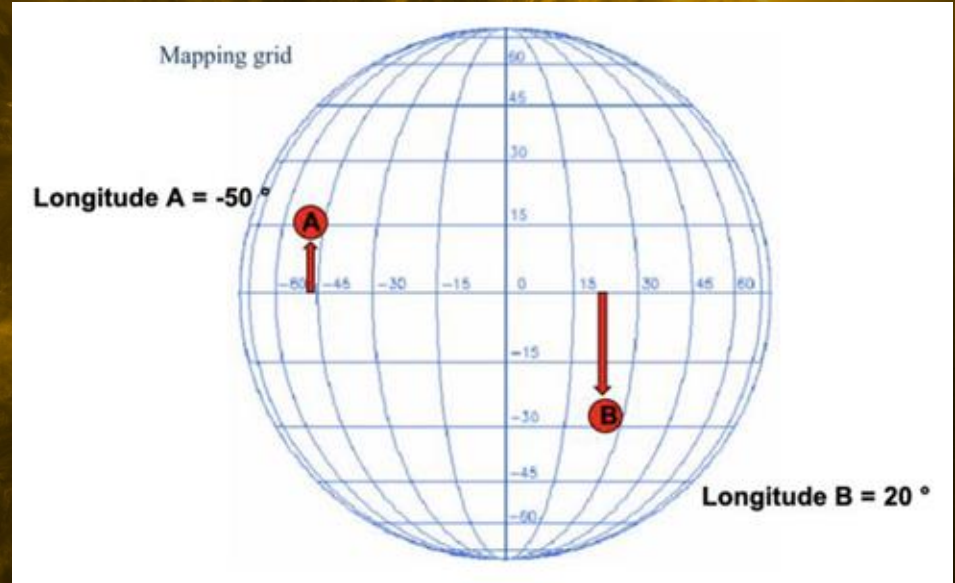
- Solar features
- Using Excel
- Reading longitudes
- Calculating averages

Example:

You have 23, 54, and 72 and want to find the average.

You would add those number and divide by 3:

$$\frac{23 + 54 + 72}{3} = 49.6$$





Questions?