Summary of Day 2

Dave Monet

Day 3

Task for Summarizers

➢ What did SOC have in mind (Bayesian):

- Prior: there was some plan.

- Prior: non-random ordering of the talks.

- Prior: case(s) of non-zero desire for revenge.

My Conjectures

➢ Subtitle for Workshop:
- A Series of Unfortunate Events

➢ Subtitle for Day 2:
- Things are Getting Worse.

Things Learned on Day 2

➤ Whatever you want hasn't been measured:

- Bright stars are poorly understood.
- Faint stars are poorly understood.
- Some/many/all positions and motions are suspect.
- Some/many/all systematic errors are present.
- The more parallaxes you measure, the more you need to measure.

➤ Whatever new data you take is suspect:

- Undersampled images.
- Field dependent PSF.
- Unending troubles with plates, CCDs, etc.
- Your favorite telescope will be closed down.

More Lessons Learned

- Whatever you learned in school is wrong:
  - You don't know what time it is.
  - You don't know the coordinates.
  - You forgot to include general relativity.
  - You need to (re-)learn statistics.
- Don't worry, things will get better soon:
  - Improved accuracy - 10X? 100X? 1000X?
  - More targets - 10**6?, **7?, **8? **9?
  - Just send money!

Final Lesson

➤ You are in sales, whether you like it or not.

"Did you want fries with that?"
        is now
"Did you want astrometry with that?"