

February 12, 2009

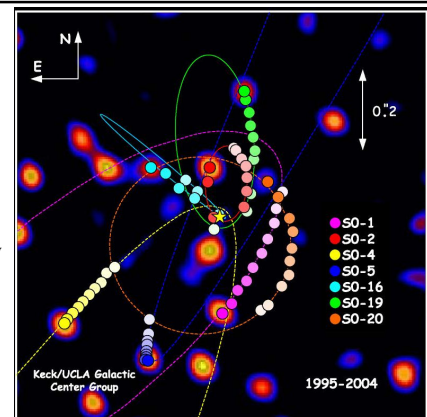
Agenda

- Announce:
 - This class does not meet Tuesday
 - Test Next Thursday
 - Get online quizzes/work done by Thursday
- Project Ideas
- BH at center of galaxy
- Defense industry transference
- Review GRBs
- Solar Altitude Measurement
- Go over relativity activity
- Review
- Pulsar Activity
- Observe Sun ...go over telescope operation

Projects

- Present a (brief) Scientific Argument
- Defend it in the face of criticism from class
- Grades based, in part, on participation in arguing against others'
- Part I:
 - Due 2/23 by Midnight EST
 - 1 Paragraph Email
 - Topic
 - Likely position (or at least layout possible positions)
- Possible topics:
 - Global warming...man made? Result of the sun or other natural causes?
 - Extraterrestrial life...exist or not?
 - Continue human space exploration or just robots?
 - More funding for asteroid tracking?

Black Hole at the center of our galaxy

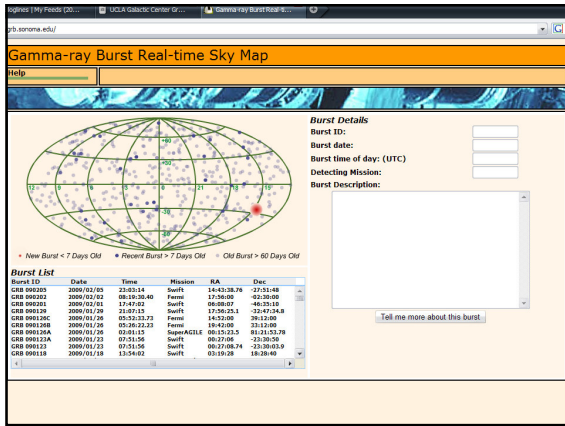


Defense Industry Transference

- Adaptive optics: spy satellites → telescopes
- Gamma ray detectors: nuke detection → GRBs
- Radio Observations: radar → CMB, radio galaxies
- Fusion modeling: nuke “testing” ↔ Flash center

GRBs

- How first detected?
- Why so remarkable?
- What do we observe?
- How do we figure out where they are?
- Ultimately, we decide they happen where?
- What are they (what “causes” them)?



Take Solar Altitude Measurement

Pass Back and Discuss Relativity Activity