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Title: Using Space Telescope Observations in a Classroom Setting
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Abstract

The Spitzer Teacher Observing Program sponsored by the Spitzer Science Center and the National Optical Astronomy Observatory provided teachers with an opportunity to use the Spitzer Space Telescope to observe a variety of targets. In our case we observed 4C 29.45. What is unique about our project is that students, amateurs, and professional astronomers simultaneously (within 1-3 days of the space telescope observation) observed the project from ground based telescopes, providing a rich opportunity to illustrate how images are reduced to data for students. In this poster we describe how our proposal evolved as an exercise in learning about the practice of conducting authentic research, list outreach activities we have conducted, including several presentations at a variety of conferences, and explain how the data collection and reduction activities were carried out in the high school classroom setting. We provide detailed notes on our experience installing and using IRAF in a high school setting.

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