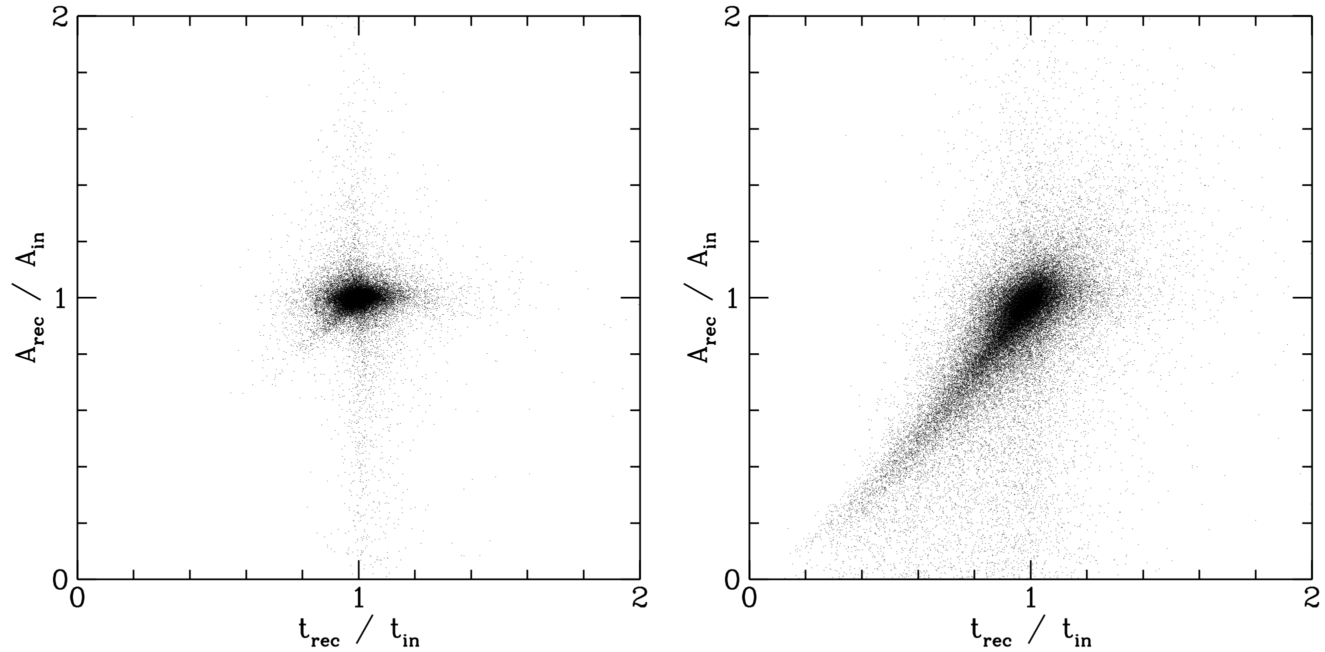

Single Star Events

Confusion Degraded Events

Crowding Induced Fit Parameters Errors

In addition to making microlensing more difficult to detect, confusion also increases errors in fit parameters. When only a fraction of the flux in an object undergoes microlensing, both the measured amplification and duration, $\hat{t}$, are systematically underestimated. Shown above are the ratios of recovered to actual values for both of these parameters plotted against each other for a set of artificial events. The recovered parameters for the single star microlensing, in which all of the flux is assumed to be lensed, have much less scatter than the events which include crowding effects.