

Figure 7-5

This figure shows the derivation of non-formal errors between images taken during the same night. Considering all the data points within a selected range of formal error and using the comparison star light curves, we have constructed histograms of deviations from the mean. In principle, if the errors are well represented by the formal errors and the errors follow a normal distribution, the one sigma values derived from gaussian fits to these histograms should match the formal errors. The difference between the fitted value and the formal errors of the points gives a measure of the non-formal error. This non-formal is modeled by a linear fit of the estimated non-formal error versus formal error.

The number of points used to derive each point in the lower right graph is given at the bottom of this graph.