Spectroscopic Observations of the December 1997 and March 1998 Data Sets

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1 Status

This data was taken at the Keck and ESO telescopes during the December 1997 and March 1998 observing runs. It has been reduced using the IRAF package, and the majority of the spectra have been matched with spectral templates using the Superfit program developed by Howell and Wang. All known pertinant information for each spectrum (name, date of observation, exposure time, grating, redshift, template match, epoch, host galaxy type used in superfit program, and possiblity of peculiarity) have been summarized, and individual notes have been given for each spectrum.

2 Remaining Issues

As of this time, the following steps still need to be taken before the data can be published:

- An Introduction to the paper needs to be written
- The ESO spectra need to be run through the superfit program, and the remaining missing pieces of the summary table need to be filled in
- Any analysis on the spectra themselves to extract scientific data on the nature of Type Ia supernovae spectra (Chris Lidman and I will be working together on this)

3 Goals for this Analysis

The data from these two observing runs should produce spectra for 19 Type Ia supernovae which have already been used in previous cosmology paper.