

Additional comments on IGRINS-2 performance:

Results of any other IGRINS-2 capability tested and comparison with other instruments

The instrument produces spectra for which the intensities in successive orders do not match at the wavelengths where they overlap. Furthermore, the spectra in the individual orders exhibit unphysical slopes. Fortunately, for this program we needed only normalized spectra, and were able to fit a smooth curve to each order to do so.

Suggestions for improvements:

Any comments on ITC, PIT, OT, data reduction pipeline, website, archive, etc...

The pipeline reduction worked reasonably well. However, the telluric correction provided by the pipeline was insufficient for our purposes, as it left a large number of very strong residuals in the spectra which hindered line identifications and measurements. We developed our own telluric correction code to overcome this shortcoming.

Any additional comments about IGRINS-2 SV

Having the opportunity to use IGRINS-2 and reduce data with the pipeline was greatly appreciated. However, I feel there was far too much emphasis on the science that could come out of the SV observations and not enough of a focus on the instrument, the various tools, and data reduction pipeline, and how each of these elements performed. The SV effort should not be centered on the science that can be done, in my opinion, but rather on whether everything in the system is working well and as expected. In the case of IGRINS-2, I have found that the instrument is definitely not behaving as it should.