FIES ThAr atlas orders 157 – 79 wavelength 3620 – 7260 Å

Dec 2007 medium resolution file: FIql020001.fits

John Telting Nordic Optical Telescope, La Palma, Spain This ThAr atlas was made in Dec 2007, using the top-calibration unit and fiber #3 (medium resolution) of the second bundle. The fits file used is FIql020001.fits. A halogen exposure (FIql020002.fits) was used to trace the orders.

Parameters found and used ('ecidentify'): RMS = 0.003 Å function chebyshev xorder 4 yorder 4 slope -1 shift 0. See the help on the IRAF 'ecidentify' package for a detailed description of these parameters.

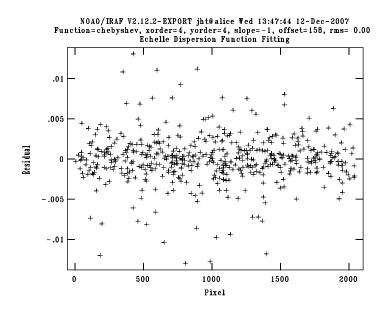


Figure 1: Residuals (in Å ) from the wavelength solution; for each identified ThAr line the residual position is plotted as a function of pixel position in the dispersion direction (CCD Y direction)

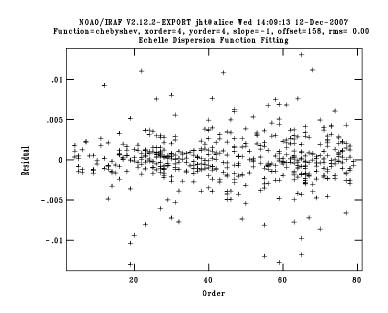


Figure 2: Residuals (in Å ) from the wavelength solution; for each identified ThAr line the residual position is plotted as a function of pixel position in the cross-dispersion direction (CCD X direction)

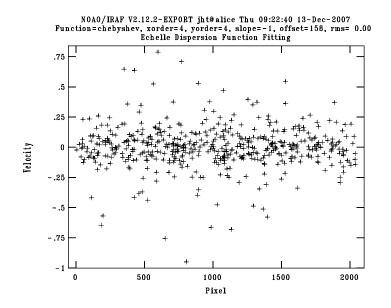


Figure 3: Same as Figure 1 but with velocity in km/s on the vertical axis

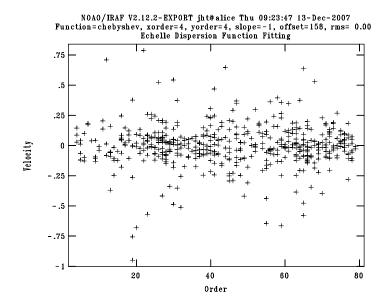


Figure 4: Same as Figure 2 but with velocity in km/s on the vertical axis

