JP6 UVES POP: a public library of high resolution stellar spectra

S. Bagnulo¹, E. Jehin¹, C. Melo¹, C. Ledoux¹ and R. Cabanac²

¹ European Southern Observatory, Alonso de Cordova 3107, Vitacura, Casilla 19001, Santiago 19, Chile

² Canada-France Hawaii Telescope, 65-1238 Mamalahoa Hwy, Kamuela, HI 96743, USA

The UVES Paranal Observatory Project (POP), is a program of acquisition, reduction, and public release of stellar spectra obtained with UVES at the ESO VLT unit Kueyen. All stars are observed with two instrument modes Dichroic 1 and Dichroic 2, in order to cover almost completely the wavelength interval from 300 to 1000 nm. The spectral resolution is about 80 000, and for most of the spectra, the typical S/N ratio is 300 - 500 in the V band.

Program stars fall into two groups, stars belonging to open clusters, and field stars. Among the observed 400 stars, about 70 are of spectral type A. Reduced spectra can be downloaded from a public area or may be displayed through a dedicated user-friendly Spectral Preview Interface.

The database is available at http://www.eso.org/uvespop