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We have launched a programme to observe standard stars across the HR diagramme. These are MK standards but also several of the secondary spectrophotometric standards pertaining to the ASTRA project (PI: S. Adelman). The spectroscopy is carried out with ELODIE, the echelle spectrometer at the Observatoire de Haute Provence (France) attached to the 193 cm telescope. Spectra stretch from 3920 Å to 6800 Å at a resolving power of about 40000 (at 5000 Å) and Signal to Noise ratios varying from 100 to 300 according to magnitude. The spectra are reduced in a uniform manner following Erspamer and North's prescription for correcting the scattered light and merging the orders. We plan to gather these spectra into a database (POLLUX: <http://www.isteam.univ-montp2.fr/pollux/>) and make them available to the community through a user-friendly web interface. A library of synthetic spectra whose fundamental parameters match those of the observed standard stars will also be available inside POLLUX as well as quick-look analysis tools to perform measurements and adjustments.

Archives contain observations that cannot be repeated and, as such, are highly valuable. They allow the study of variable phenomena and provide reference informations to calibrate instruments of future missions. We expect the POLLUX spectra to be useful to astrophysicists working in the field of stellar atmospheres and to a certain extent to scientists working on stellar population synthesis.

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