

## The GTC Variable Star OneShot Project

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### Abstract

Stellar variability types are assigned on the basis of lightcurve appearance, which often remains unchallenged without further observational evidence. VSOP (Variable Star One-shot Project) is a large international collaboration, which has so far obtained spectra of more than 1200 stars during the past few years using ESO facilities. Operationally this program is perfectly suited for a modern and efficient observatory, providing GTC with a large pool of filler observations. Scientifically, our aims are: (1) obtain first spectroscopy of all unstudied variable stars suitable for GTC, (2) provide data products to the public in a fast and automatic way, and (3) generate an influx of serendipitous discoveries across all fields of astrophysics.