HARPS-N AUTOGUIDER UPGRADE
After few years of operations, the maintenance of the LabVIEW-based autoguider software proved to be difficult, due to strong dependencies both inside the LabVIEW VIs (Virtual Instruments) and between the AG and the Local Control Unit - LCU (Software which control the calibration unit of HARPS-N). The system startup was also very complicated due to several initialization phases, which slowed down the system considerably. For these reasons it was decided to redesign the entire software from scratch, trying to simplify it based on the experience gathered with the ESPRESSO instrument [2].

REFERENCES