
MAVIS Project Update

Francois Rigaut^{*1}, Richard Mcdermid[†], Giovanni Cresci[‡], David Brodrick[§], Valentina Viotto[¶], Benoit Neichel^{||}, Trevor Mendel^{**}, Gaston Gausachs^{††}, Enrico Pinna^{‡‡}, Simon Ellis, Guido Agapito, Maria Bergomi, Jesse Cranney, Damien Gratadour, Davide Greggio, Marco Gullieuszik, Haguenaer Pierre, Dionne Haynes, Cedric Plantet, Bernardo Salasnich, Rosanna Sordo, Stefan Stroebele, Hao Zhang, Ulf Seemann, Harald Kuntschner, Pierre-Yves Madec, and Antony Horton

¹Australian National University (ANU) – The Australian National University Canberra ACT 0200
Australia, Australia

Abstract

MAVIS is a MCAO system for MCAO compensation in the visible for the VLT. It will feed a 30x30" imager and an IFU. MAVIS just passed its Preliminary Design Review. We present a project update, including a science update, progress in system design, RTC and control, simulation results, updated performance including the exposure time calculator and image generator.

*Speaker

†Corresponding author: richard.mcdermid@mq.edu.au

‡Corresponding author: giovanni.cresci@inaf.it

§Corresponding author: david.brodrick@anu.edu.au

¶Corresponding author: valentina.viotto@inaf.it

||Corresponding author: benoit.neichel@lam.fr

**Corresponding author: trevor.mendel@anu.edu.au

††Corresponding author: gaston.gausachs@anu.edu.au

‡‡Corresponding author: enrico.pinna@inaf.it

Corresponding author: simon.ellis@mq.edu.au

Corresponding author: guido.agapito@inaf.it

Corresponding author: maria.bergomi@inaf.it

Corresponding author: Jesse.Cranney@anu.edu.au

Corresponding author: damien.gratadour@obspm.fr

Corresponding author: davide.greggio@inaf.it

Corresponding author: marco.gullieuszik@inaf.it

Corresponding author: phaguena@eso.org

Corresponding author: dionne.haynes@anu.edu.au

Corresponding author: cedric.plantet@inaf.it

Corresponding author: bernardo.salasnich@inaf.it

Corresponding author: rosanna.sordo@inaf.it

Corresponding author: sstroebe@eso.org

Corresponding author: hao.zhang@anu.edu.au

Corresponding author: useemann@eso.org

Corresponding author: hkuntsch@eso.org

Corresponding author: pmadec@eso.org

Corresponding author: antony.horton@mq.edu.au

Keywords: MCAO, Tomography, RTC, VLT