

Checklist: GFPI calibration (spectroscopy)

GRE-GFPI-AIP-CL-0005

<p>1. flat field (ff) Loops: 10 or more (300-400 imgs per wavelength position is recommended) Frame rate: 20 Hz Scan table: same as “science” observations</p> <p>With beamtracker ON and M11 control ON</p> <p>2. defocused flat (df) Defocuse M2 by 1.0 mm (arrow up ↑)</p> <p>Loops: 2 Frame rate: 50 Hz Scan table: same as “science” observations No flat field movement needed.</p> <p>3. defocused flat long (df) Loops: 1 Frame rate: 50 Hz Scan table: “long” (±1400 4 steps 4 imgs) No flat field movement needed.</p> <p>4. target (tg) Stay with defocused telescope Loops: 1 Frame rate: 50 Hz Scan table: “cal”</p> <p>5. pinhole (ph) Loops: 1 Frame rate: 50 Hz Scan table: “cal”</p>	<p>6. pinhole grid (sd → pg) <u>Use “science data button”</u> Loops: 1 Scan table: “cal”. Increase AO light level to max.</p> <p>7. pinhole large (pl) Loops: 1 Scan table: same as “science” observations</p> <p><u>→ Manually focus M2 again! (1.0 mm arrow down ↓).</u></p> <p>8. science data long (sd) <u>Move in “FS 100” at F3</u> Loops: 1 Scan table: “long” Frame rate: 50 Hz Don't lock AO.</p> <p>9. dark (dk) Scans: 1 Scan table: same as “science” observations (do it as many times as different exposure times were taken during the observations)</p>
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Warnings/Notes

NOTE1: If you cancel a loop (scan sequence), please delete the corresponding directory within the DAVIS software in order to not use these files in the data reduction pipeline sTools.

NOTE2: When you get an “Acquisition timeout” you might solve the problem if you reduce the acquisition frame rate (Hz).

Change Log				
Vers.	Date	Author	Description of Changes	Sect./Para.
1	12.03.18	Christoph Kuckein	New Document	
2	10.06.19	C. Kuckein	Changed 1,2,3 according to the new cameras. Improvements in 6. Clarified 8.	