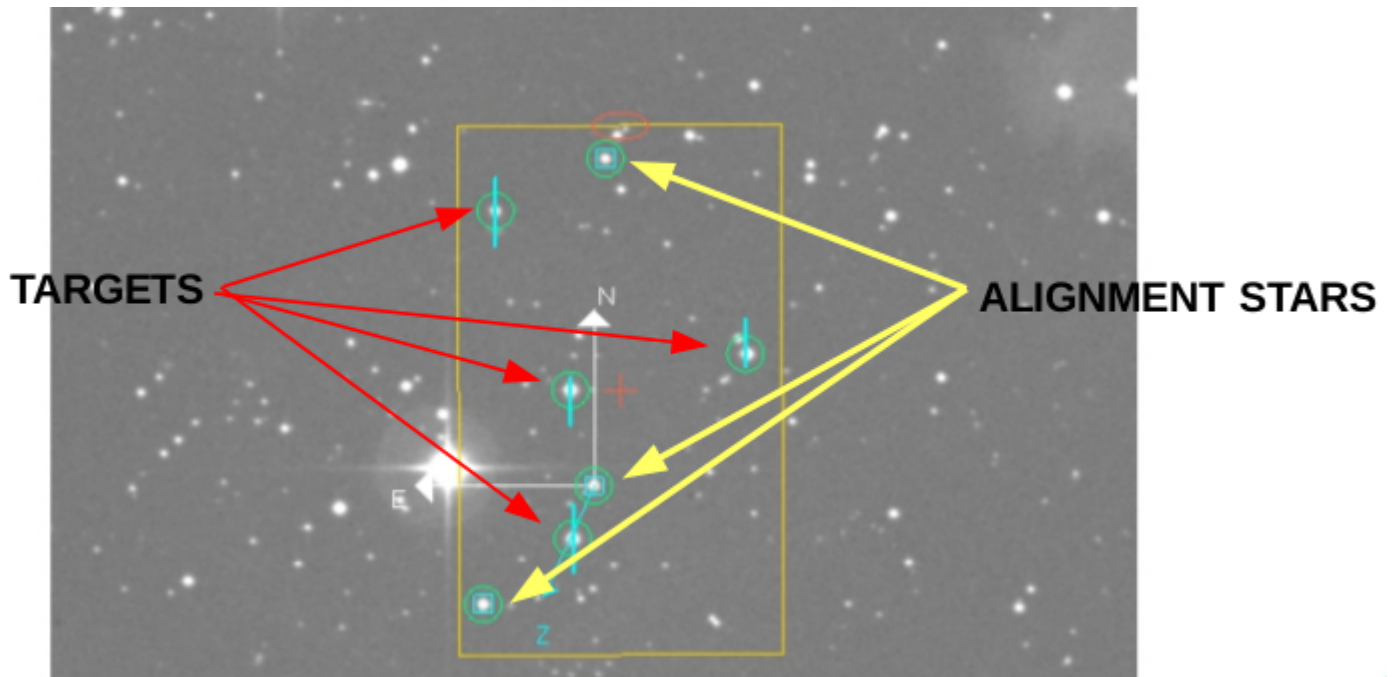


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Goodman Multi-Object Spectroscopy (MOS) mode



Goodman Multi-Object Spectroscopy (MOS) mode brings multiplex capability over a field of view of 3' x 5'. Custom MOS masks are designed with a Mask Designing software, developed at UNC. Goodman carousel has 16 available positions for MOS masks. Installing MOS masks is a daytime task, like changing filters, and should be requested beforehand in the [Instrument Setup Form](#) [1], or by email to the Support Astronomer with copy (cc) to soarops@ctio.noao.edu [2], so our Observer Support staff also receives the request.

[Click here to download the Goodman Mask Designing software \(tested on Windows 7 and 10, 64-](#)

[bit installations](#) [3].

Now users have the option to design their MOS masks by login into a CTIO machine which is already running the mask design software. Please contact your Support Astronomer for details on VPN access, procedure and passwords.

See the PDF tutorials:

- [MOS Slit Design Software Manual \(PDF document\)](#) [4]
- [MOS Alignment User Manual \(PDF document\)](#) [5] [6]
- [MOS Observing Tutorial \(PDF document\)](#) [7]

Source URL: <http://www.ctio.noao.edu/soar/content/goodman-multi-object-spectroscopy-mos-mode>

Links

[1] <http://www.ctio.noao.edu/SOAR/Forms/INST/setup.php>

[2] <mailto:soarops@ctio.noao.edu>

[3] <http://www.ctio.noao.edu/soar/sites/default/files/GOODMAN/NewSlitDesigner.zip>

[4] http://www.ctio.noao.edu/soar/sites/default/files/GOODMAN/Slitmask_Guide.pdf

[5] http://www.ctio.noao.edu/soar/sites/default/files/GOODMAN/Manual_for_Goodman_MOS_V3.pdf

[6] http://www.ctio.noao.edu/soar/sites/default/files/GOODMAN/Manual_for_Goodman_MOS_v2.pdf

[7] http://www.ctio.noao.edu/soar/sites/default/files/GOODMAN/mos_observing_with_goodman_Sep2015.pdf