

Spectrographical observations are taken out with the DADOS or the BACHES spectrograph of [Baader Planetarium](#).

The DADOS Spectrograph

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Our DADOS spectrograph

The basic data are taken from the Baader-webpage.

Grating	Dispersion at 550nm		Spectral resolution $\frac{\lambda}{\Delta\lambda}$ at 550nm with the 3 slit widths			Covered Spectral range in nm	
Line/nm	nm/mm	nm/9μm Pixel	25μm	35μm	50μm	ST-7	ST-8
200	47,61	0,443	543	388	272	328	656
900	12,67	0,114	3818	2727	1909	87	174

Representative spectra that were taken with our DADOS spectrograph can be found [here](#).

Manual

[User's Guide \(PDF\)](#)

The BACHES Echelle Spectrograph



Our new BACHES spectrograph

The new Echelle Spectrograph from Baader Planetarium, which has been developed by the Max-Planck-Institut for extraterrestrial physics, has the following properties

- Resolution: $R = \frac{\lambda}{\Delta\lambda} = 14,000-20,000$
- Wavelength range: $\lambda = 400-700$ nm (without gaps)

- maximum efficiency: 31%

Manual

[User's Guide \(PDF\)](#)

[Baader Product page](#)

Calibration

[Calibration manual](#)

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Last update: **2016/01/27 01:09**

