

CRIRES+ at the Very Large Telescope

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Three fresh spectra of Proxima Centauri from commissioning ↓ ↓ ↓
each column shows the spectral coverage of one wavelength setting

wavelength settings: J1232

H1575

K2148

Resolving power

$R \sim 100000$ (0.2" slit-width)
 $R \sim 50000$ (0.4" slit-width)

Telescope

∅ 8 metres at VLT UT3 Melipal

Wavelength coverage

Y J H K L M
0.95 μm 5.2 μm

Spectral grasp

$\sim 0.3 \mu\text{m}$ (varies with wavelength)

Expected RV precision

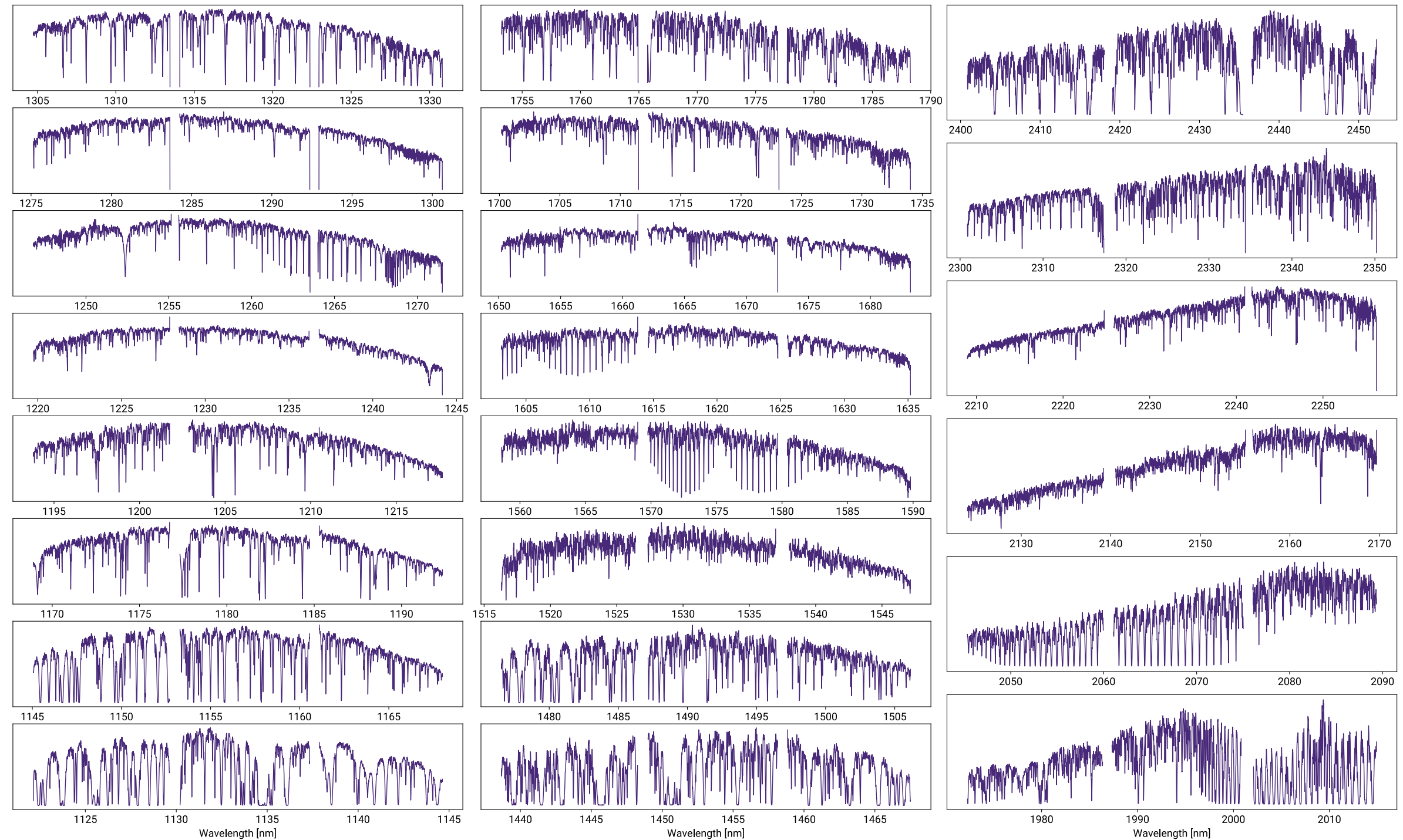
$\sim 3 \text{ m/s}$ (to be demonstrated)

Calibration sources

UNe lamp

Gas cells

Fabry-Perot étalon



More info at

<https://www.eso.org/sci/facilities/paranal/instruments/crires.html>