

MUSE & OmegaCAM



university of
groningen

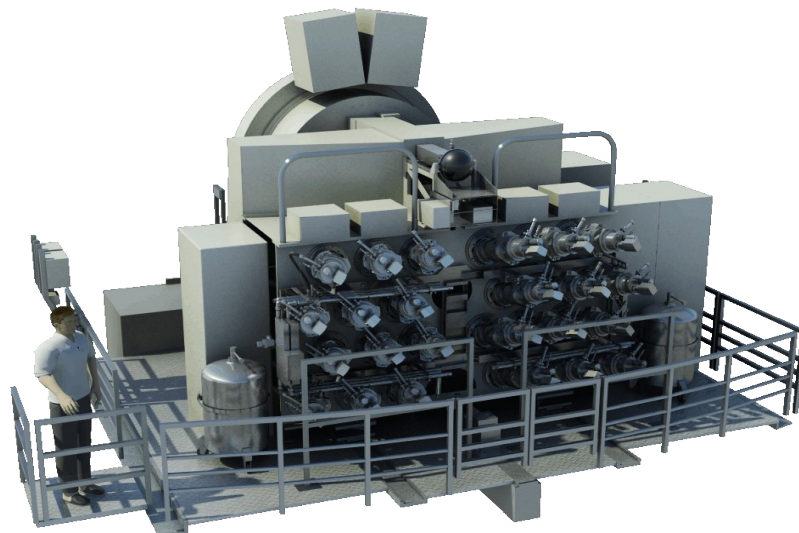
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- MUSE data in MuseWise
- OmegaCAM data in Astro-WISE

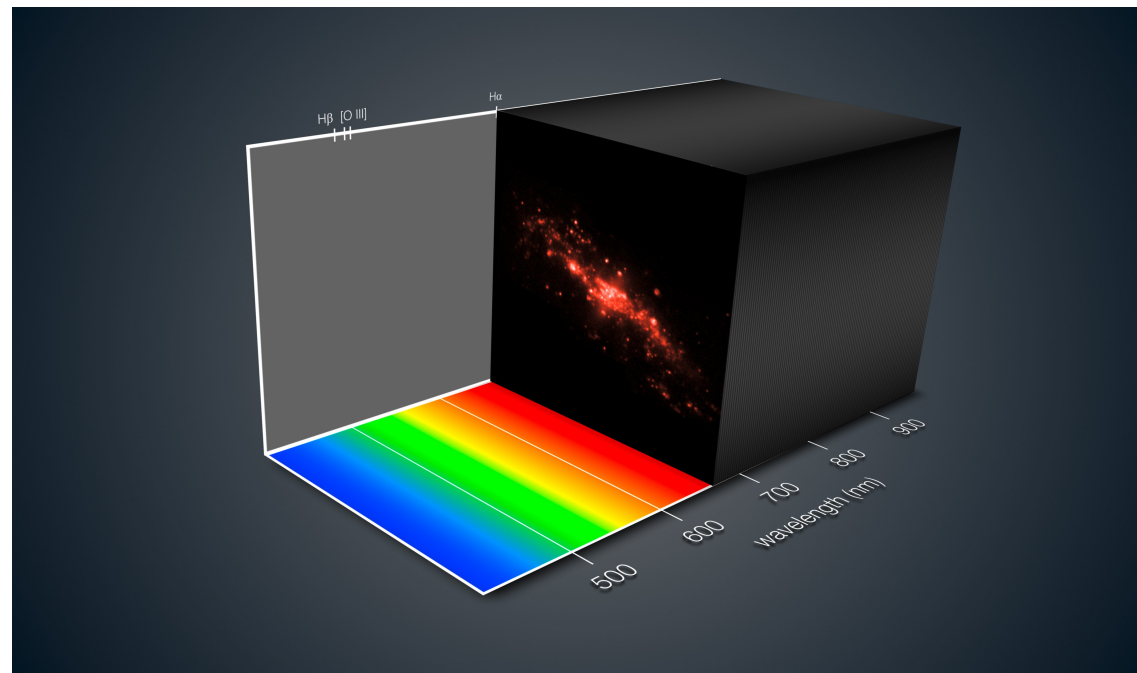
MUSE instrument

- 24 IFU's at the VLT
- WFM: 1' x 1' FOV, (pixel scale 0.2")
- NFM: 7.5"x7.5" (pixel scale 0.025")
- Wavelength range 4650-9300Å (R=3000)



MUSE data

- Data product “3-D data cubes” (Ra,Dec, λ)
- Format; FITS or Euro-3D
- Dimensions; RA,DEC, λ - 300,300,4400
- Filesize single exposure \sim 3.2 GB



MUSE and VO

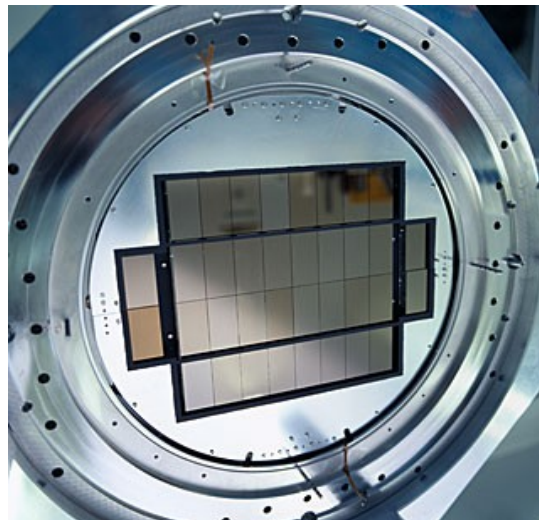
Data to publish :

- Cubes, using SIAP
- Sub cubes around sources
- Spectra from cubes

Cone Search for source detections ?

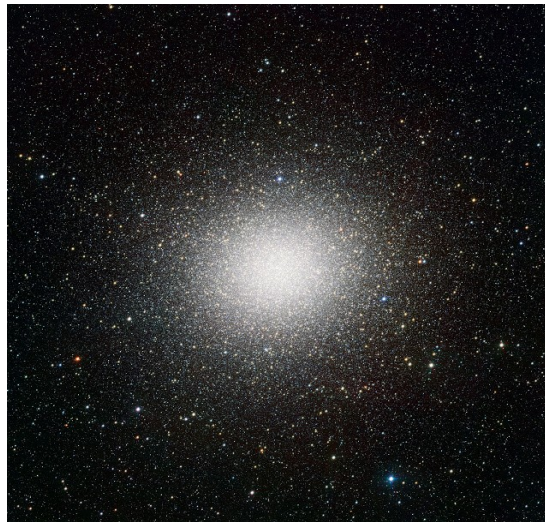
OmegaCAM instrument

- 32 CCD camera at the VST
- 1 square degree fov
- 16K * 16K pixels
- Filters: u, g, r, i, z, B, V, strV, h-alpha



OmegaCAM data

- Data product “Coadded Regridded Frame”
- 20k * 20k pixels (multiple obs)
- Filesize ~1.5 GB
- Up to 100k source detections
- Multi 9-band catalogue (KiDS + VIKING)



OmegaCAM and VO

Current VO Interfaces :

- Cone Search
- Simple Image Access Protocol

see <http://vo.astro-wise.org/>

Source inspection in multi-D:

SLID	7511021	7511051	7511411	7512281
SID=14343	