



# **GIRAFFE**

## **Archive**

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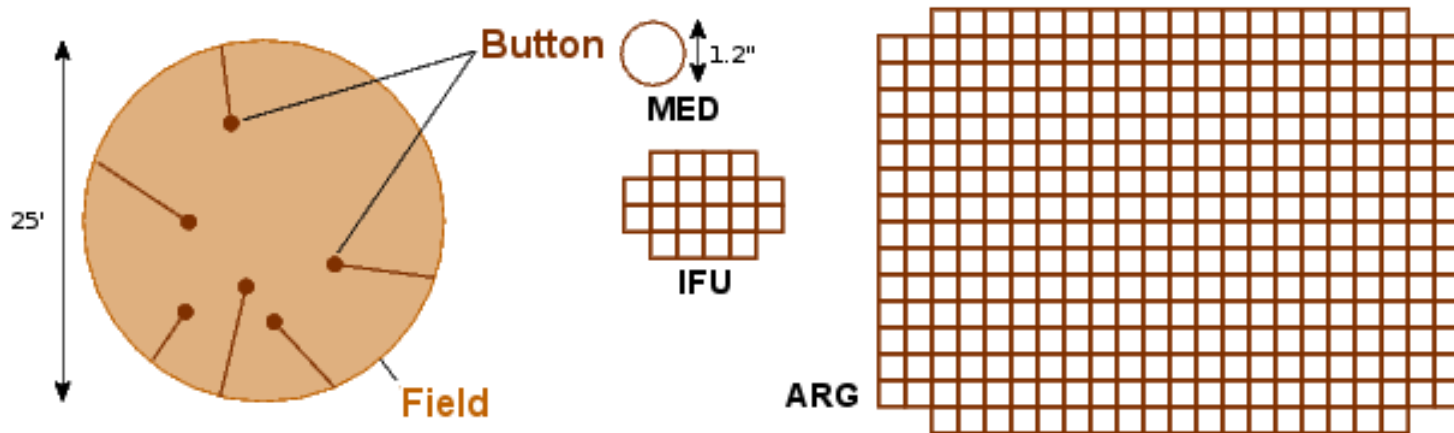
**Reduced spectra and datacubes  
from the VLT multi-object and  
high-resolution instrument**

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**GEPI**

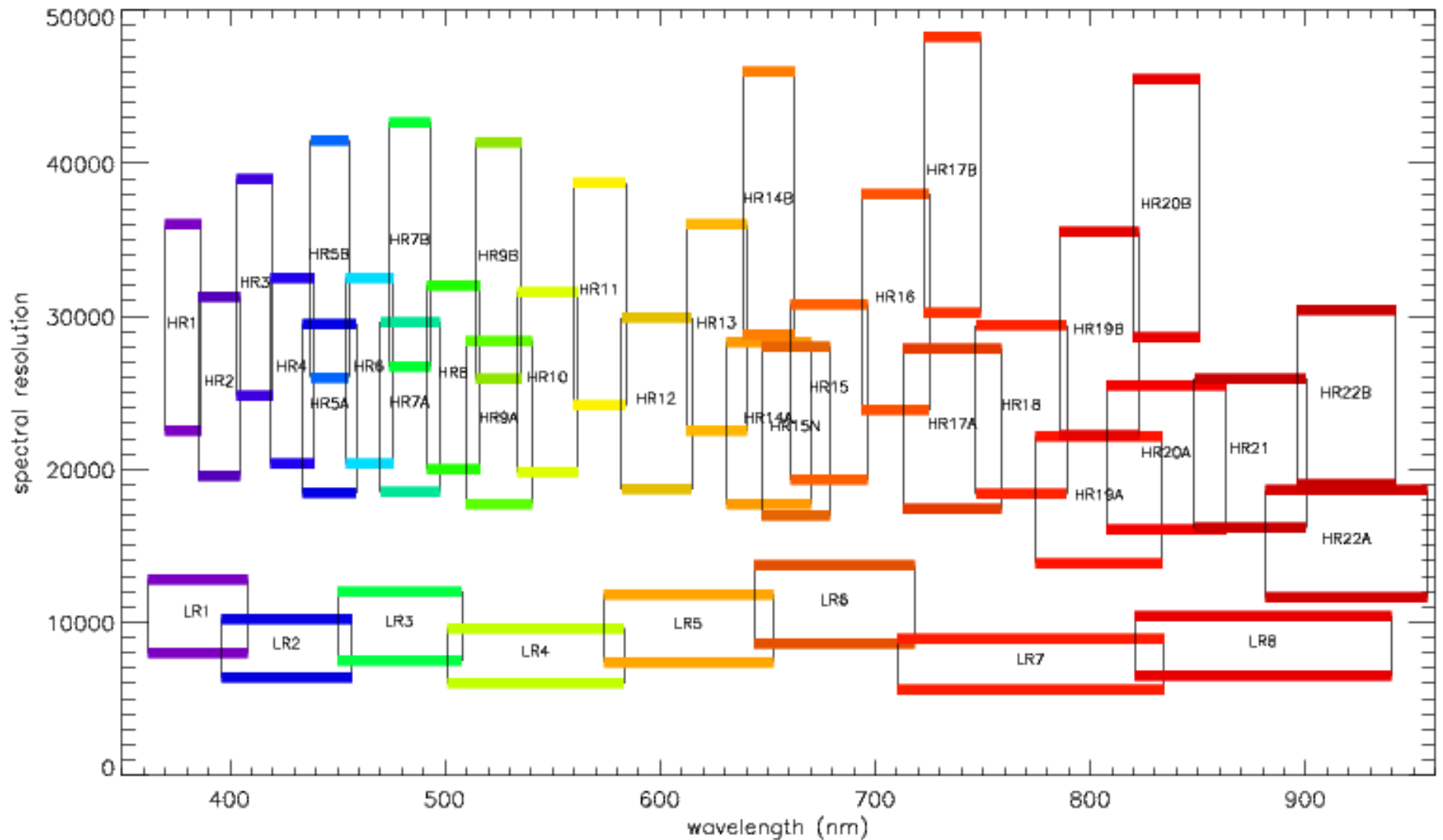
# GIRAFFE Spectrograph

- Fibre system :
  - In one **Field** exposure : several fibre **Buttons**
    - Medusa (MED) : ~135 individual targets
    - IFU : 15 arrays of 20 fibres
    - Argus (ARG) : 1 single array of 300 fibres



# GIRAFFE Spectrograph

- Set-ups :

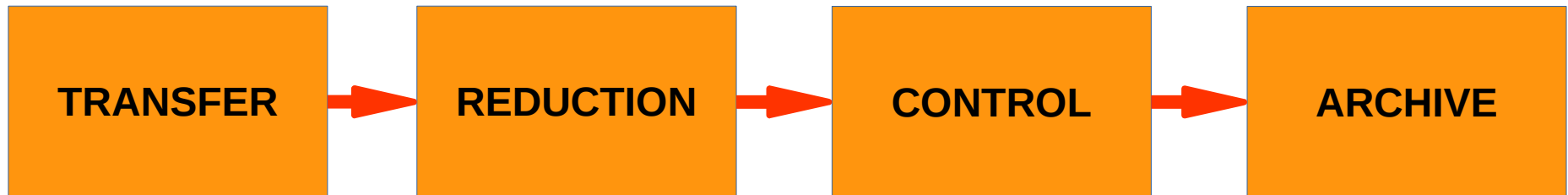


# GIRAFFE Observations

- Wide range of scientific topics :  
    stellar, interstellar, Galactic and extragalactic studies.
- Since Spring 2003, ~140 scientific exposures per month (~6600 h in total)
- Raw data can be downloaded from ESO archive.
  - Data are not searchable using individual target coordinates, only field centres
  - No advanced science products are available

# GIRAFFE Archive

- Provide and make available reduced science data
  - from Web interface <http://giraffe-archive.obspm.fr>
  - from SSA services in the VO



# GIRAFFE Data Query

Field or Button

Search for data products

Field  Button

Objects

Target :

Radius:  [']

ProgId:

Magnitude:  ...

Exposures

Night:  ...

Seeing:  ...

Airmass:  ...

ExpTime:  ...

Fibres

# objects:  ...

# sky:  ...

SimCal:

- Yes  
 No  
 Any

Mode:

- Medusa  
 IFU  
 Argus

Set-up

Resolution:  ...

Wavelength:  ...

Grating:

- High  
 Low  
 Any

ArgScale:

- 1:1  
 1:1.67  
 Any

Spectra

SNR:  ...

Sky subtracted:

Velocity corrected:

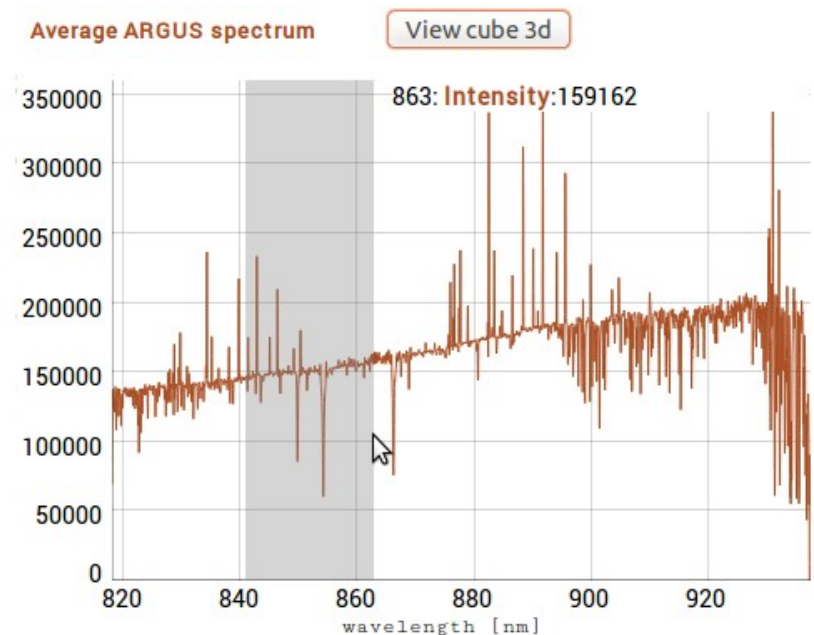
submit

reset

using [Plainpot Software](#)

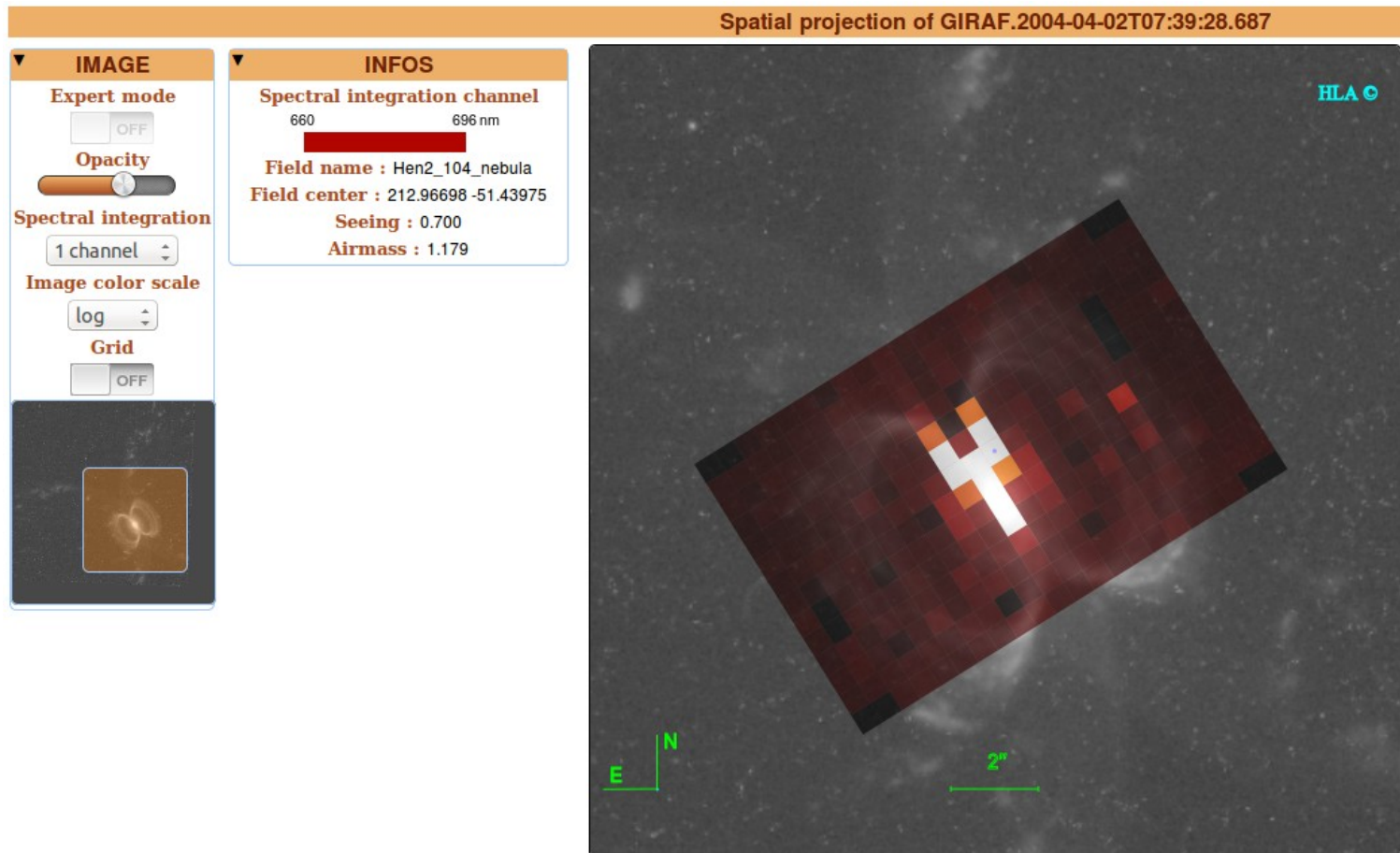
# GIRAFFE Data Products

- Content (data up to end of 2012) :
  - 12 000 Field data products
    - 6550 MED, 1600 IFU, 3850 ARG
  - 608 000 Button data products
    - 585 000 MED, 20 000 IFU, 3850 ARG
- Spectra visualisation
- Files :
  - Reduced spectra (+errors)
  - Reduction logs
  - Datacubes (ESO3D)



# GIRAFFE Datacubes

- Datacube viewer in development :
  - Spatial projection over sky image.





# Perspectives

- Reduction related :
  - Add sky subtraction
  - Add barycentric velocity correction
- VO access related :
  - Add catalogue product
  - Add expert mode in datacube viewer (SAMP connection with Aladin, VOSpec ...)