# ESO: FROM A USER'S PERSPECTIVE

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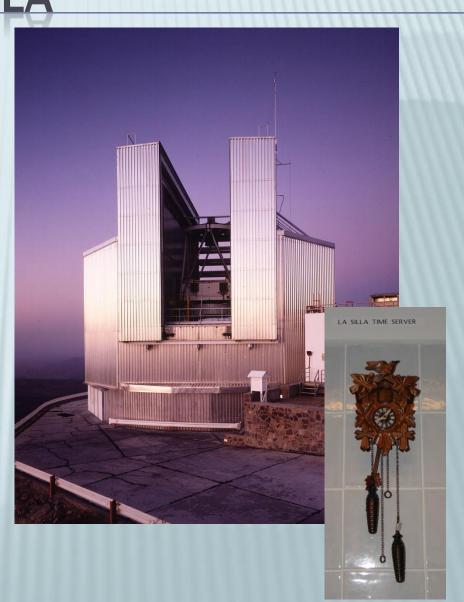
Astronomical Institute, AS CR

# **OVERVIEW**

- Observing experience using ESO
  - Visiting astronomer at La Silla
  - Service mode observations with the VLTs
- Committees of ESO
- Users Committee
  - Role of the UC
  - What does the UC do?

# **OBSERVING AT LA SILLA**

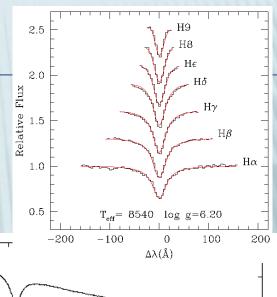
- ESO will arrange your travel
- Prepare your OBswith the P2PP tool
- On the mountain
  - Setup request (e.g., gratings, filters)
  - Transfer your OBs
  - Calibrations
  - Obtain your data!

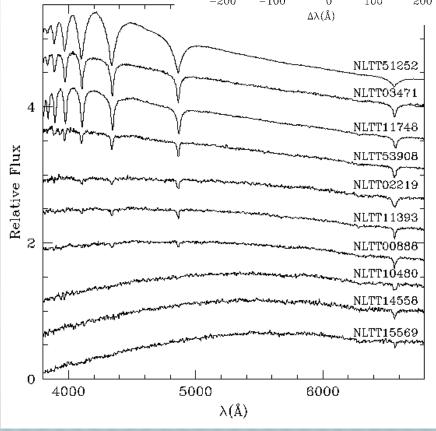


# **OBSERVING AT LA SILLA**

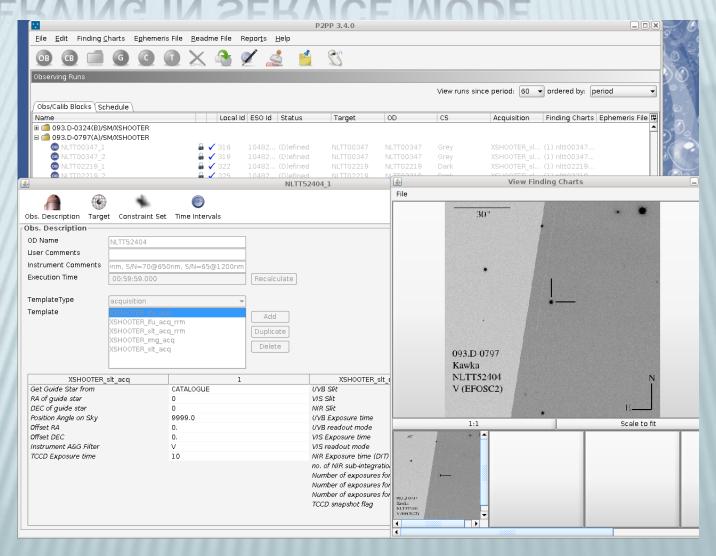


- ESO Faint Object Spectrograph
- We identified several new white dwarfs and hot subdwarfs
- Including NLTT11748 ELM white dwarf (Kawka & Vennes 2009)





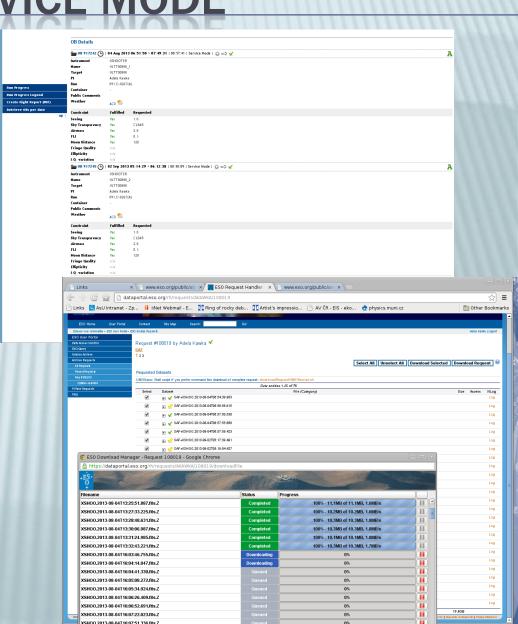
### **OBSERVING IN SERVICE MODE**



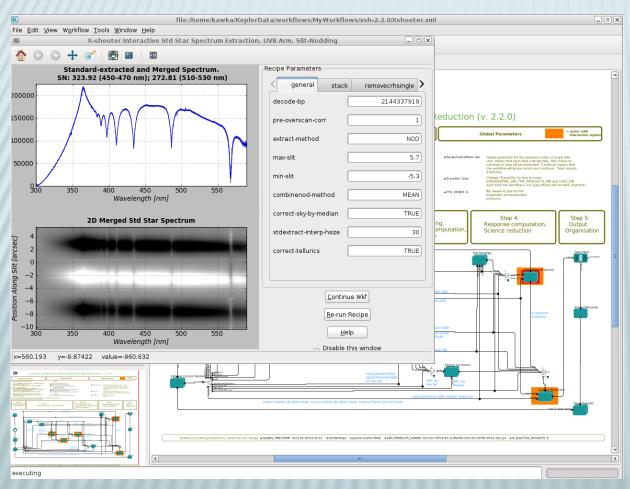
Phase 2 - define your observations with the P2PP tool

#### **OBSERVING IN SERVICE MODE**

- Monitor your observing run via the User Portal
  - View the progress of your run
  - Subscribe to night reports
- Retrieve your data from the ESO Archive
  - CalSelector will attach the necessary calibration data required for data reduction



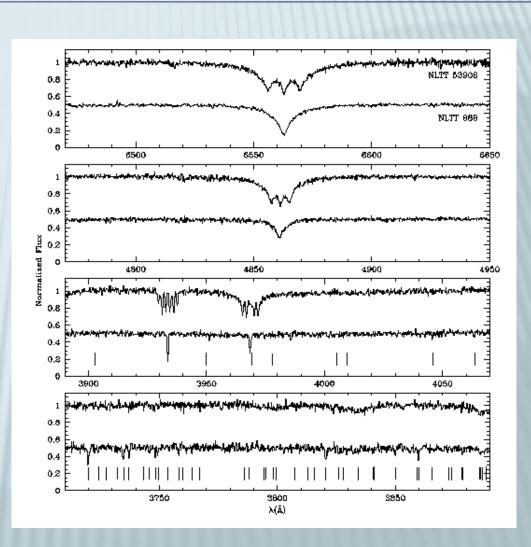
#### **DATA REDUCTION**



- Automatically organizes your data
- Graphical view of the data reduction steps
- Enables inspection of data
- Enables interaction
- Reflex provides an interface to reduce data using ESO pipelines

### **FINAL PRODUCTS**

- We obtained data with:
  - X-shooter ideal for searching for heavy elements
  - FORS allows us to obtain spectropolarimetry and search for weak magnetic fields
- X-shooter spectra of two DAZ white dwarfs
  - NLTT53908 is magnetic,  $B_S$  = 334 kG (Kawka & Vennes 2014)

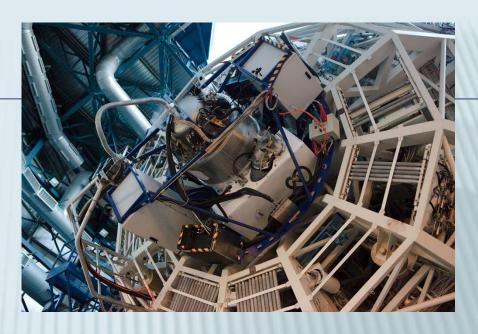


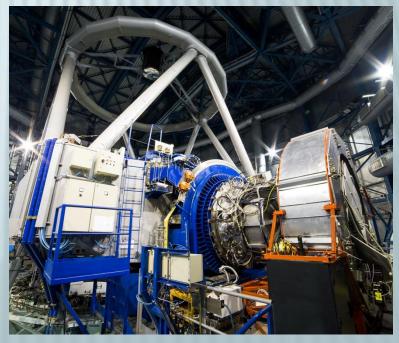
# **ESO'S GOVERNING BODIES**

- \* Council
- \* Finance committee
- \* Scientific Technical Committee
- \* Users Committee
- \* Observing Programme Committee

- Is there to represent the users of ESO.
- Composed of representatives from the ESO member states and Chile
- Every year the UC conducts a poll in order to obtain feedback about
  - Performance of the observatory
  - Scientific access
  - Operations
  - Data management
- Do participate in the Poll

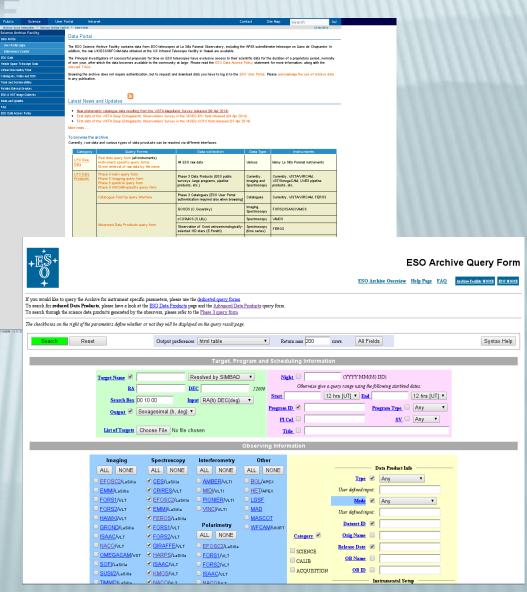
- The UC hears reports from:
  - Update on ESO's programmes
  - The La Silla ParanalObservatory
    - Telescope statistics
    - Changes to instrumentation
    - Future instruments
    - User Support



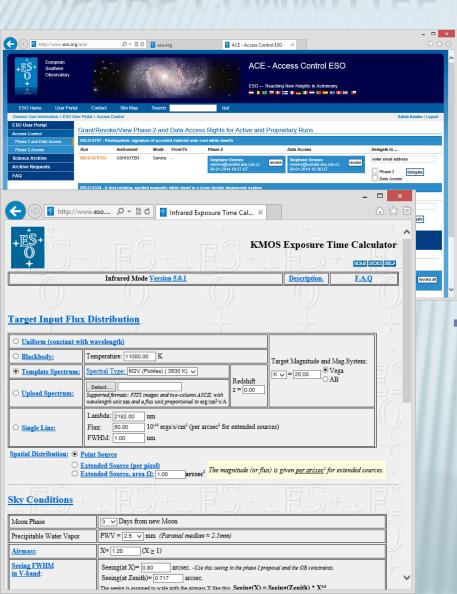


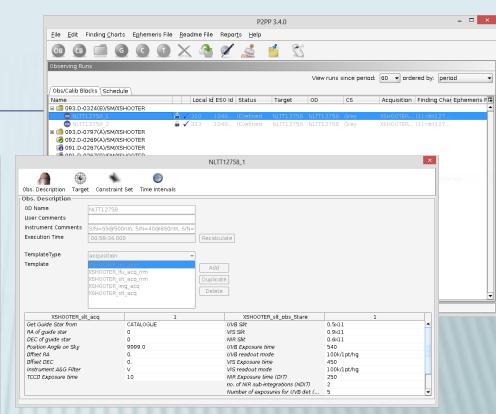
#### Reports about:

- Data transfer
- Data processing
  - Science data reduction
- Science Archive Facility
  - Raw data
  - Reduced data



- Report from the Observing Programmes
  Office
  - Statistics on submitted proposals
  - Recent changes and development with regard to preparing, submitting or evaluating proposals





Special Topic session this year if was ESO's Observing Tools

- P2PP tool including the new features such as scheduling containers
- Finding chart tools
- Exposure time calculators

- The UC compiles a list of recommendations to ESO
  - Which is based on the users' input
- The UC representative should report back to the community about ESO's operations
  - Releasing the minutes (once they have been approved)
  - Providing a short report
- UC was established to represent the users of ESO.