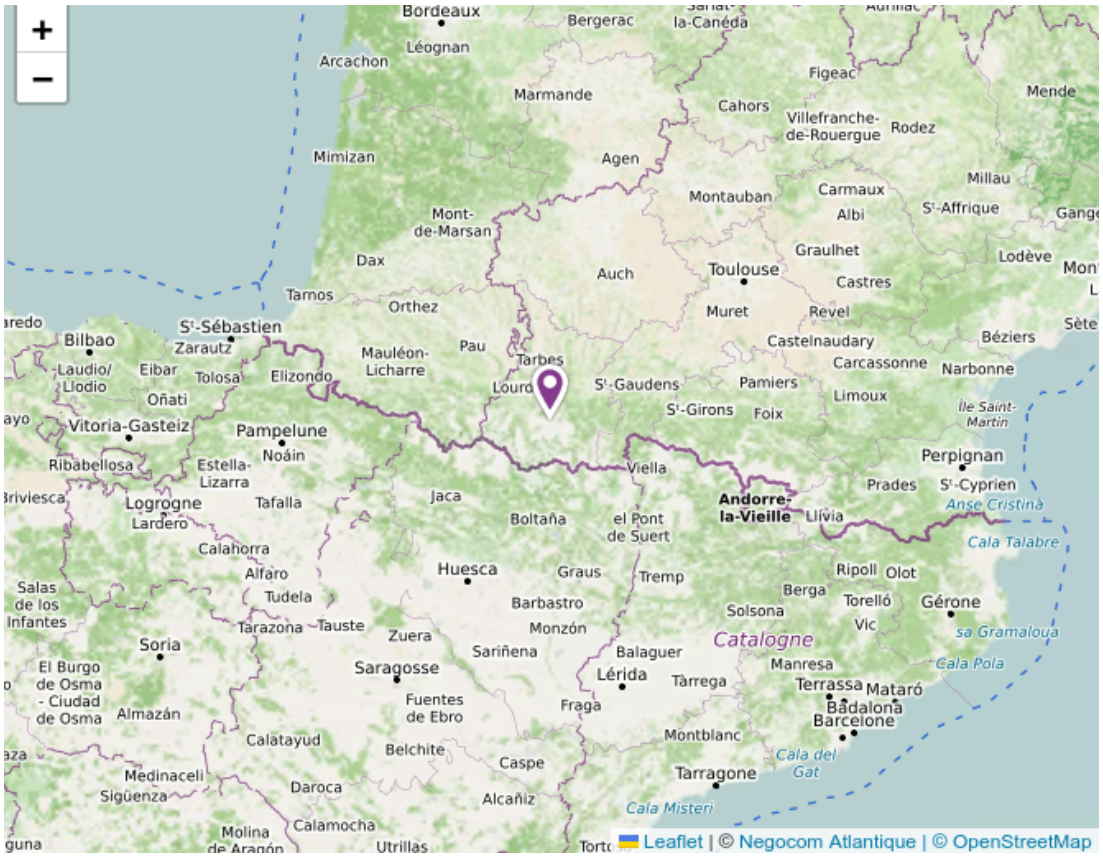
ORP Meeting
October 2024

TBL

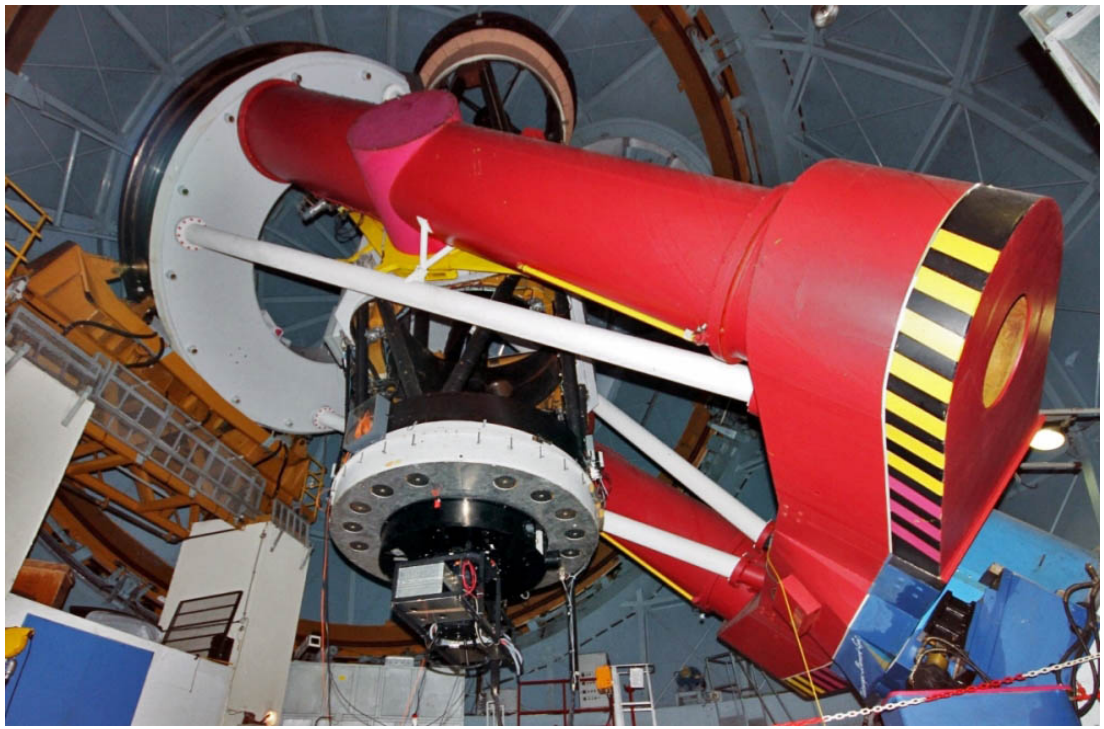
Location

- South West of France, North Pyrénées
- $(\lambda, \varphi) = (0^o\,8'\,34''\,\mathrm{E}, +42^o\,56'\,11'')$
- Altitude : $\sim 2876\,\mathrm{m}$



Telescope

- Mirror size : 2 m
- Equatorial mounting
- Cassegrain focus
- Guiding system : limited to $V = 15$

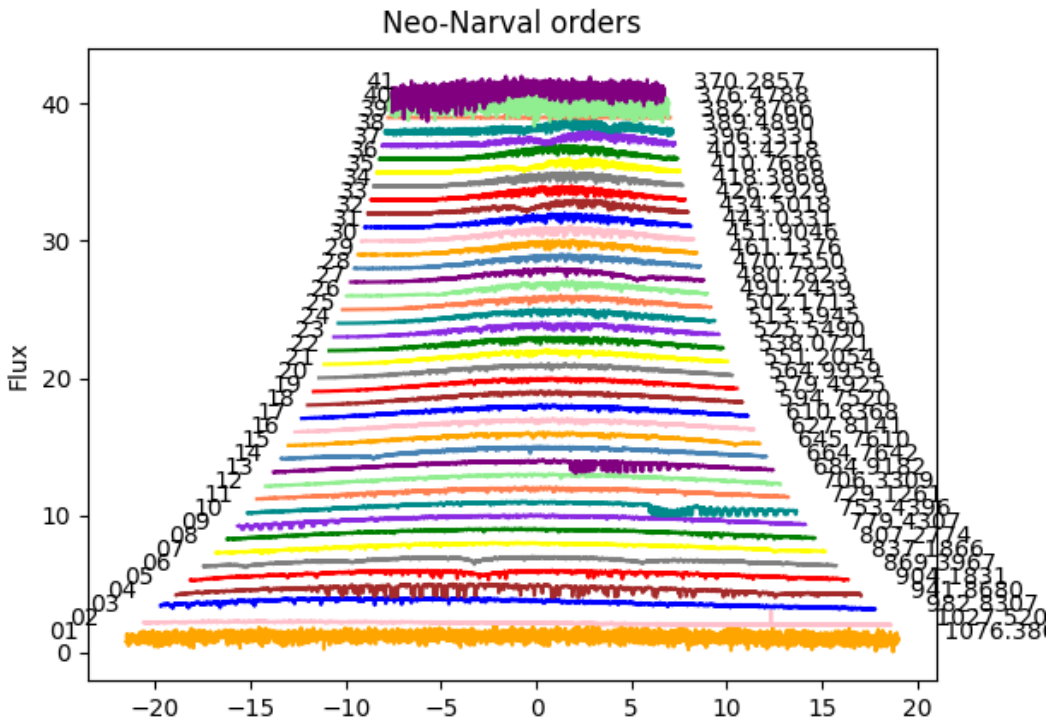


Instrumentation

- Dedicated to spectropolarimetry
- Spectra in Stokes I (i.e. classical), Q, U and V
- 2 focal instruments :
  - Neo-Narval : in the visible ($\lambda \in [380; 1080]$ nm)
  - SPIP : in the near IR ($\lambda \in [980; 2035]$ nm)
- A new bonette : VISION

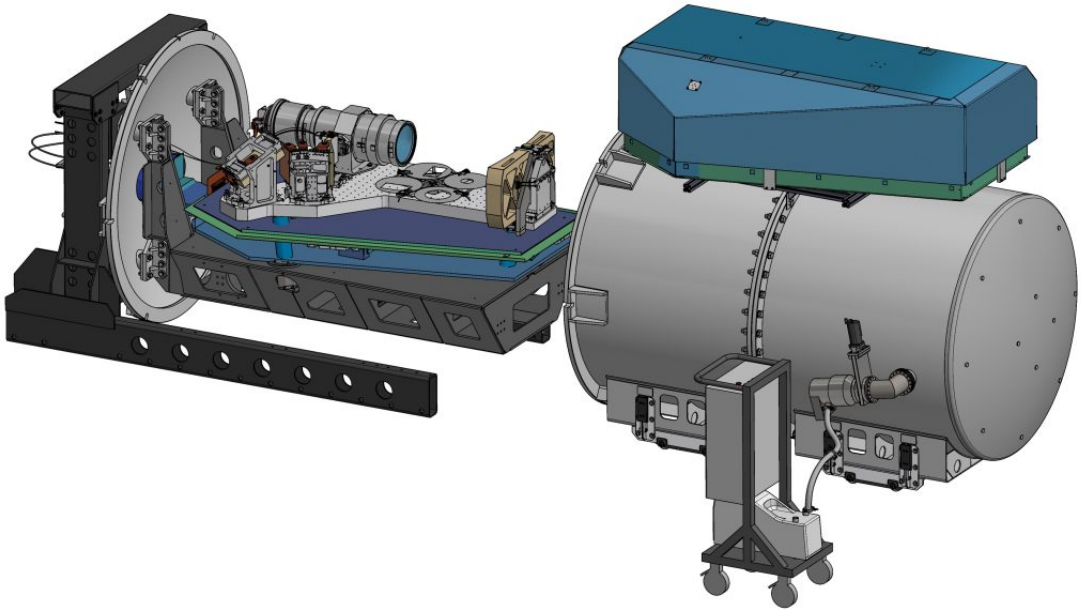
Neo-Narval

- Échelle spectropolarimeter
- Long term stability
- Absolute velocity accuracy per line : $40\,\mathrm{m\,s^{-1}}$
- Relative velocity accuracy : $3\,\mathrm{m\,s^{-1}}$ using a simultanaeous Fabry-Perot calibration



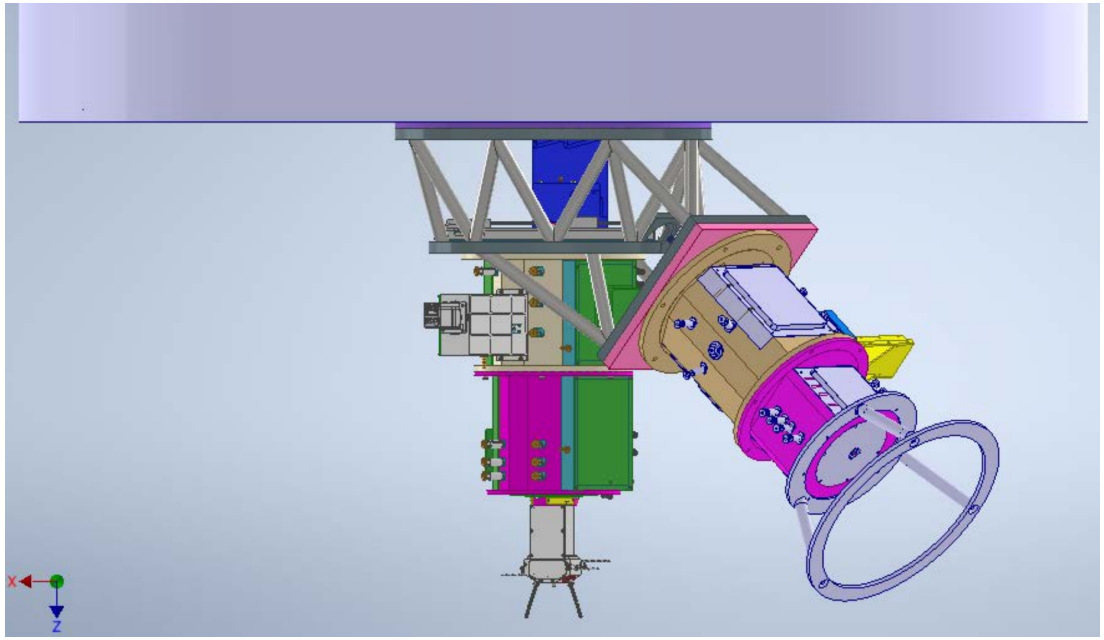
SPIP

- Twin of SPIRou@CFHT
- Tests should start in spring 2025
- Should be available for 2025B



VISION

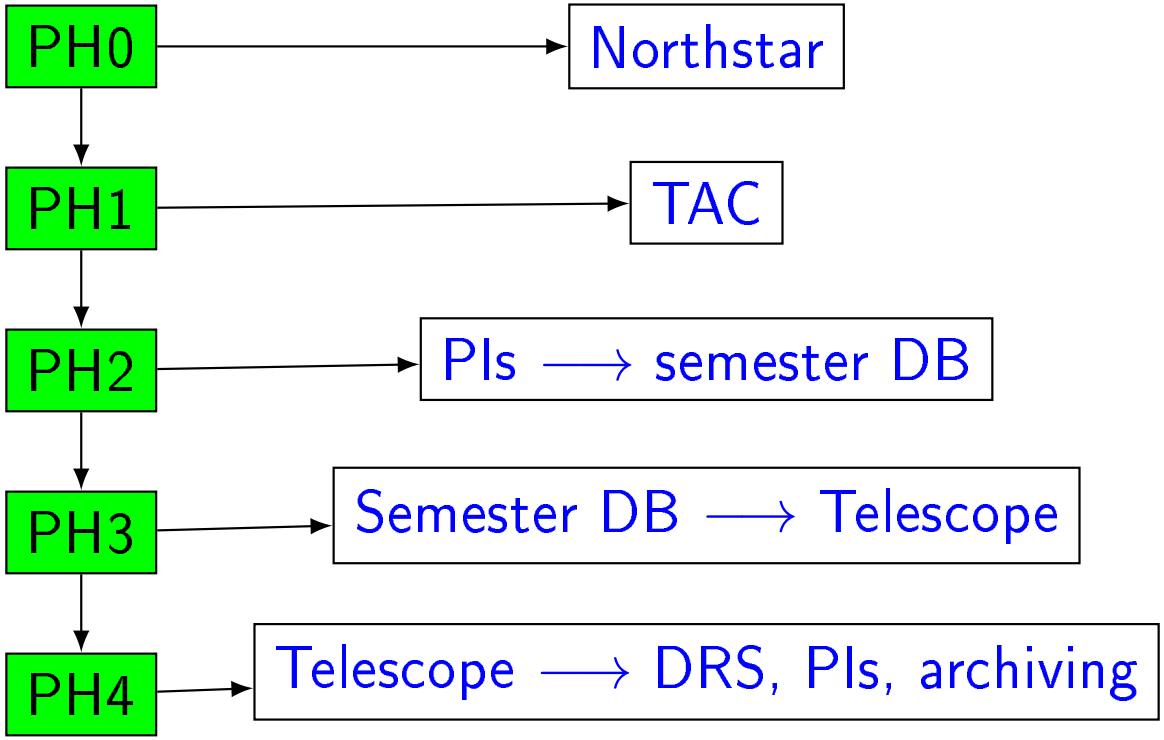
- Easy and rapid (few minutes) switch between both spectropolarimeters
- Possibility to observe simultaneously with both spectropolarimeters
- Guiding improvement
- Tip-tilt correction



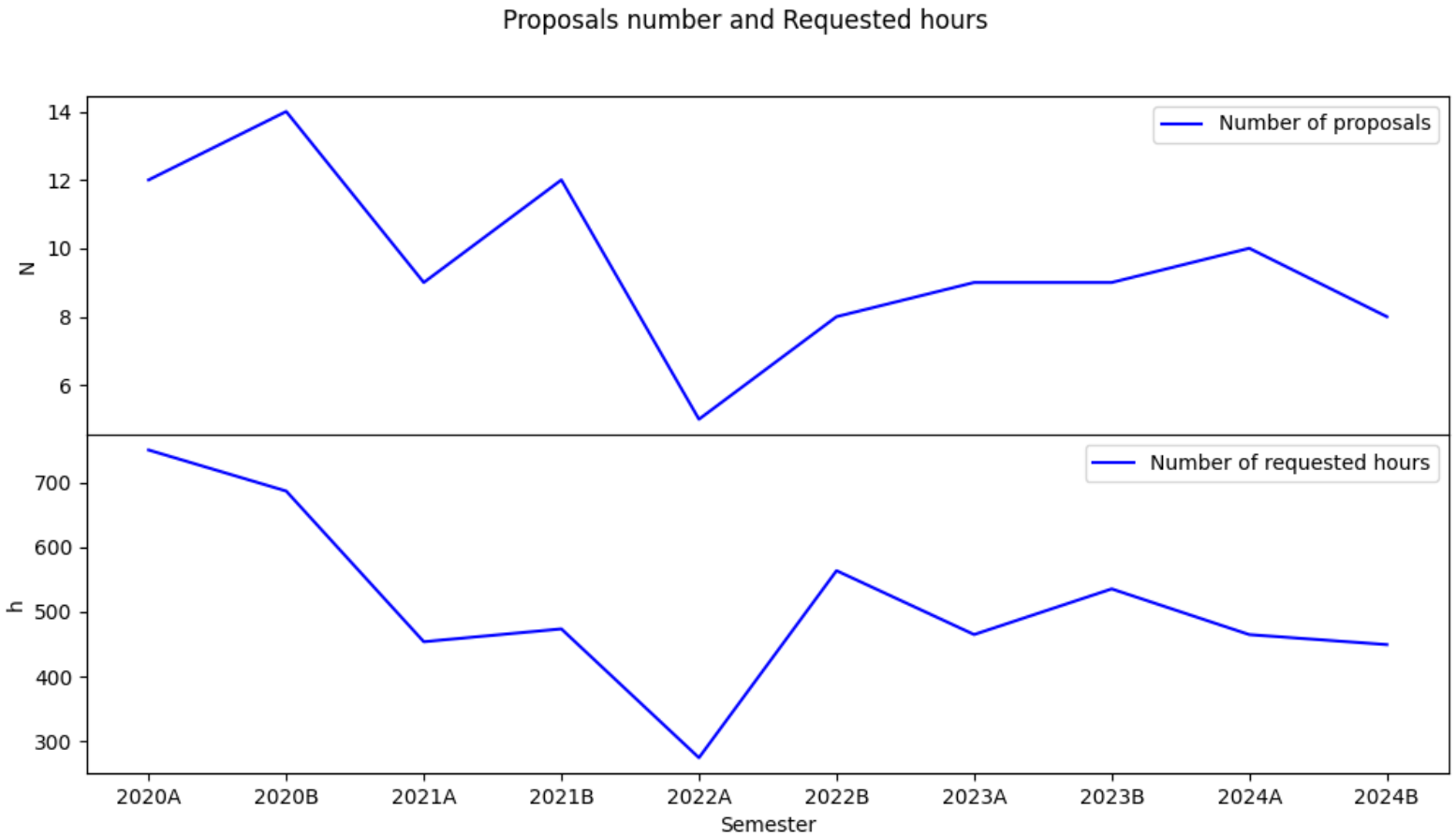
Service mode

- QSO mode only : summit team of $\sim$ 12 operators & electronicians
- Support astronomers that elaborate the program from a semester DataBase
- Data delivered the morning after the observation night
- Strong interactions between PIs, support astronomers and operators

Global view of the data flow



Proposals and asked time



Pressure between 1 and 1.5

Time allocation

Available time :

- Semester A : 1140h
- Semester B : 1722h

In addition to the priority between programs provided by the TAC, TBL propose an additionnal ordering :

- A time : fully done
- B time : 50 % done
- C time : complementary observations

The TAC is asked to classify the amount of time allocation in the limit of ($\sim 25 - 30$ % available time) :

- A semesters : A : 150 h and B : 150 h
- B semesters : A : 200 h and B : 200 h

Contact

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