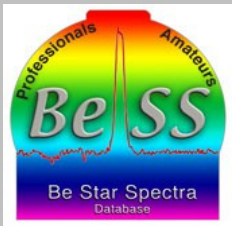


Because of Bess : I chose spectroastronomy like amateur



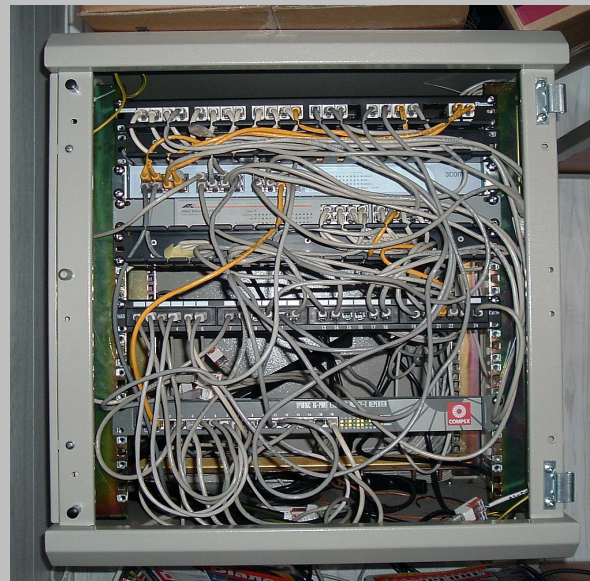
Jean-Jacques Broussat

26th of October 2017

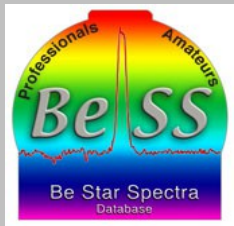


In a previous life

- Engineer in computers network and industrial computers
Hardware development
Software development



Source : Wikipedia



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Now, in retirement

- What to do ? :
- With astronomy I found :
 - Notions I saw in engineer school :
 - math
 - physics : optics, energy, atoms, ...

Sharing of knowledge from/to somebody

Use of software for : autoguiding, capture, astrometry, spectrometry, ...

Communications between computers and devices

- and ...



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Communications between computers and devices

- and still a packet of cables 😊

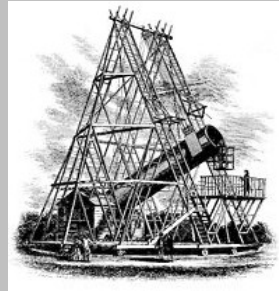


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What to do in astronomy ?

- Visual ?



Source : Wikipedia
Telescope of Herschel

- astrophotography ?



Source : CAA - NGC 6992

- radioastronomy ?



Source : Wikipedia



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Finally : in 2011, spectroastronomy

- Then, spectroastronomy ?

In 2011, I came to the spectro-party at OHP, with no devices, for seeing what's spectroastronomy.

I saw there is a community

Several evangelists spoke about the Bess professional/amateur program

- Less devices than astrophotography
- Not the thousandth photos of the moon in newspaper or web site
- More various than radioastronomy
- I could do it in my backyard, in the suburbs of Paris

So, I chose spectroastronomy



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2012

- I bought a telescope C9 from Celestron, an EQ6 mount, a Star Analyzer and a Canon 350D



Source : Shelyak

- I was ready for the spectro-party of 2011, where I learned :
 - to select a star
 - to capture
 - to create profil with ISIS
- I became member of the Astronomy Club of Antony



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2013

- This year I was sure I want to continue to do spectroastronomy
- I bought an alpy 600 and went with it at the spectro-party at OHP



- And I followed the diploma DU-ECU ("Diplôme universitaire- Explorer et comprendre l'Univers") of the Paris Observatory

During this cursus I went during a week at OHP,



where I passed a night with :

- Karin (the post-doctorate who manages our team)

and

- Aurélie : the spectroscope of the T152



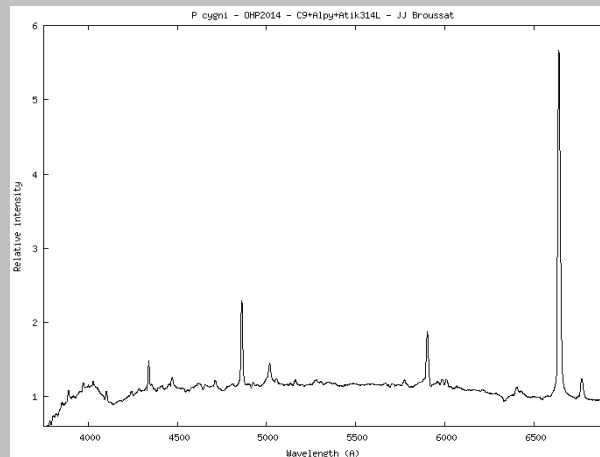
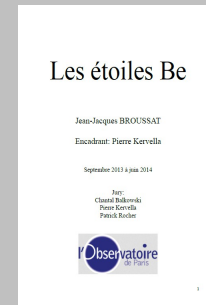
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2014

- As I succeeded the DU-ECU, I continued with the DU-SU ("Structuration de l'Univers")
- For the DU-SU, we must write a publication. I chose : "the Be stars"
- I went to the spectro-party at OHP.

This year, the mission was : P Cygni



- The Astronomy Club of Antony bought a Lhires III, with a 2400 gr/mm grating module

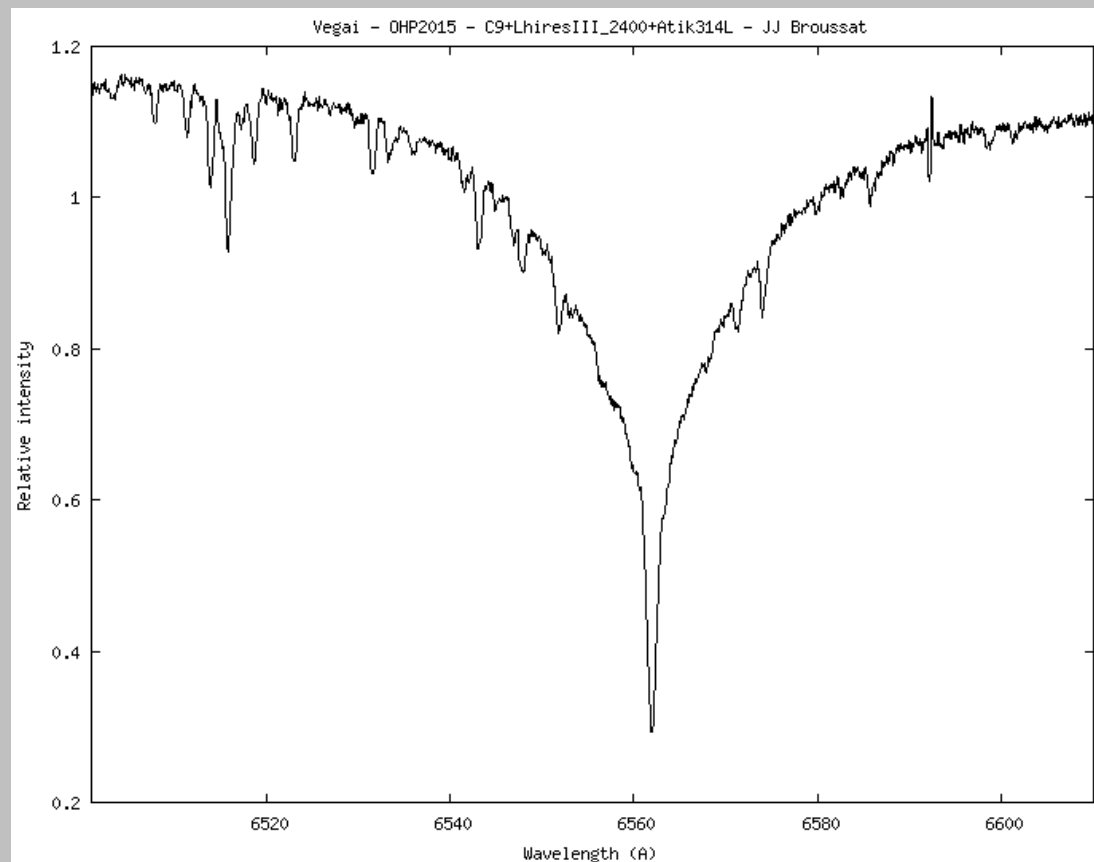


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2015

- This year, I learned how to control the Lhires III
- At OHP 2015, I had problems of software. It was not the best session.

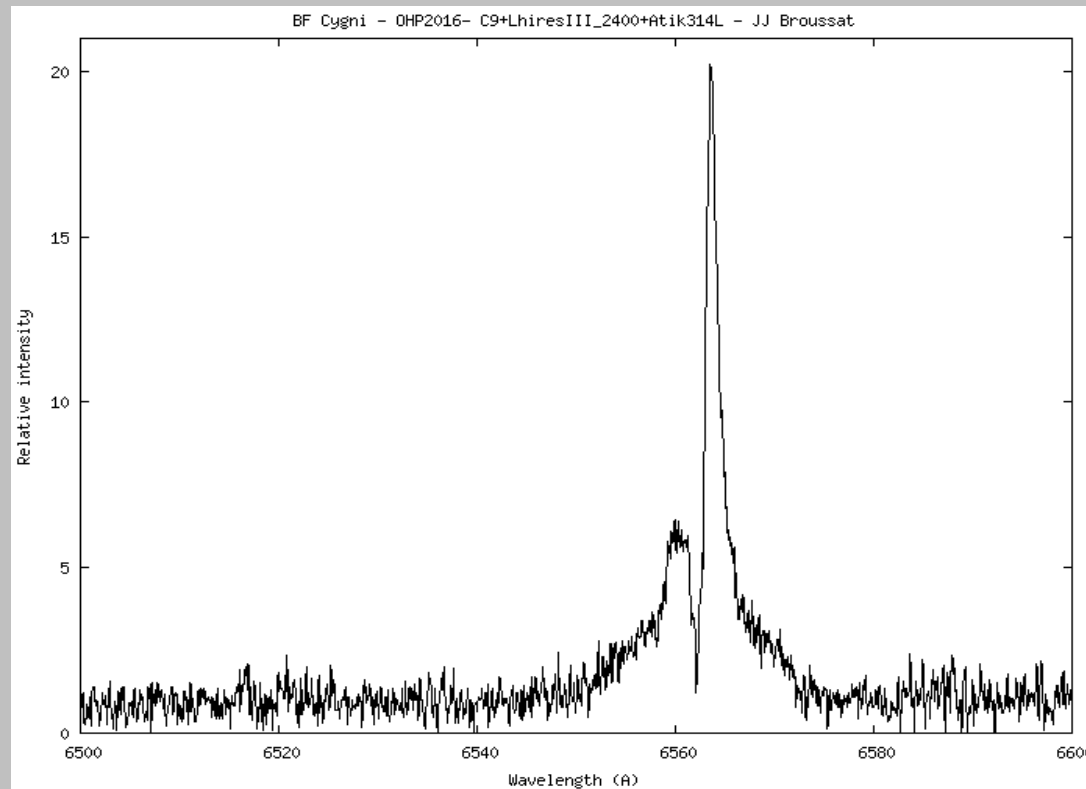


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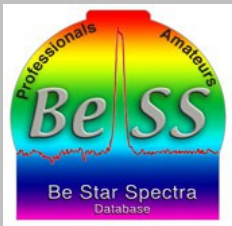


2016

- The target at the spectro-party at OHP was BF Cygni (mag 10) :



- Validators found the profil was good, but a little noisy because of only 1/2h of poses

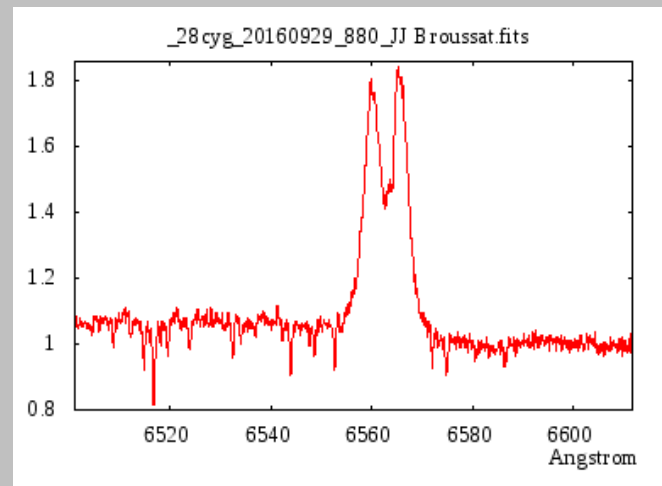
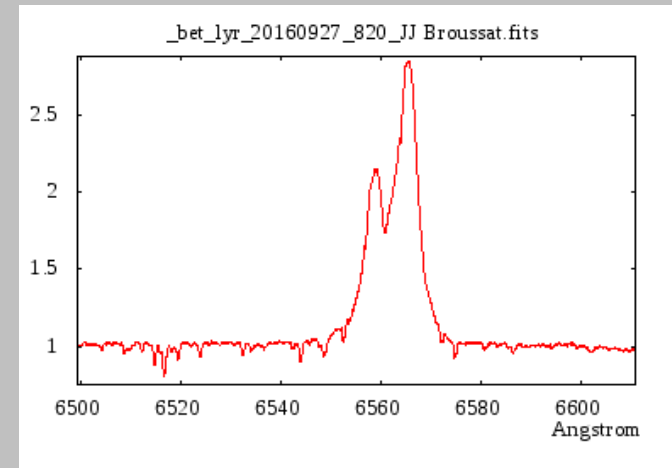
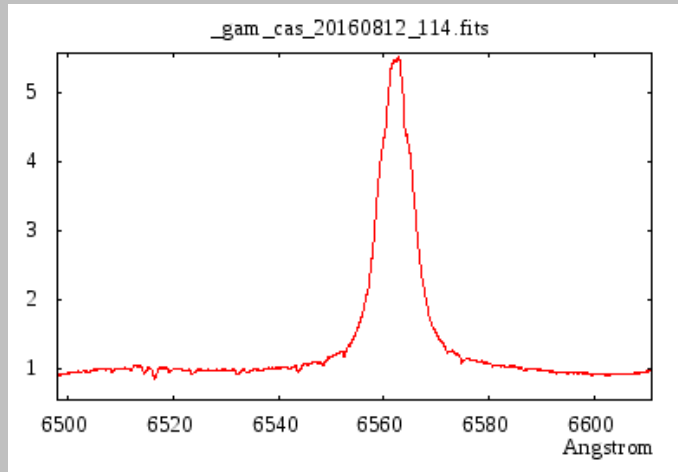


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2016 and Bess

- The first year I sent spectras in Bess database :

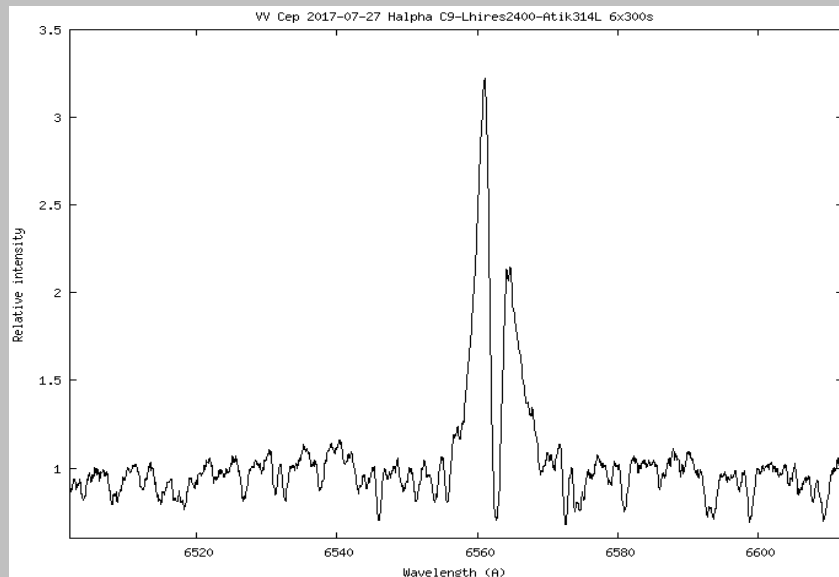


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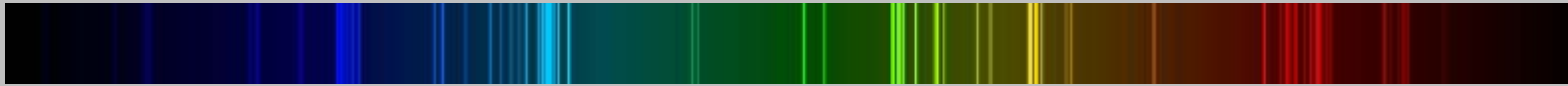
2017

- At OHP, among other targets, I did VV Cep (another professional/amateur program)

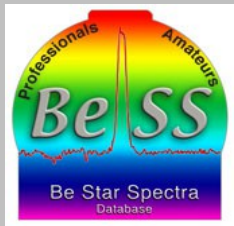


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Thank you



26th of October 2017

