

The Meteor dedicated Camera for Better Resolution Network - (CaBeRNet)

J.Vubaillon, S. Bouley, R. Rudawska, F. Colas, P. Atreya, F. Rigaud, I. Jegouzo, J. Gaudemard, I. Sauli, T. Silbermann, G. Rivault, Y. Huan, M.K. Kwon ,A. Egal

European Planetary Science Conference

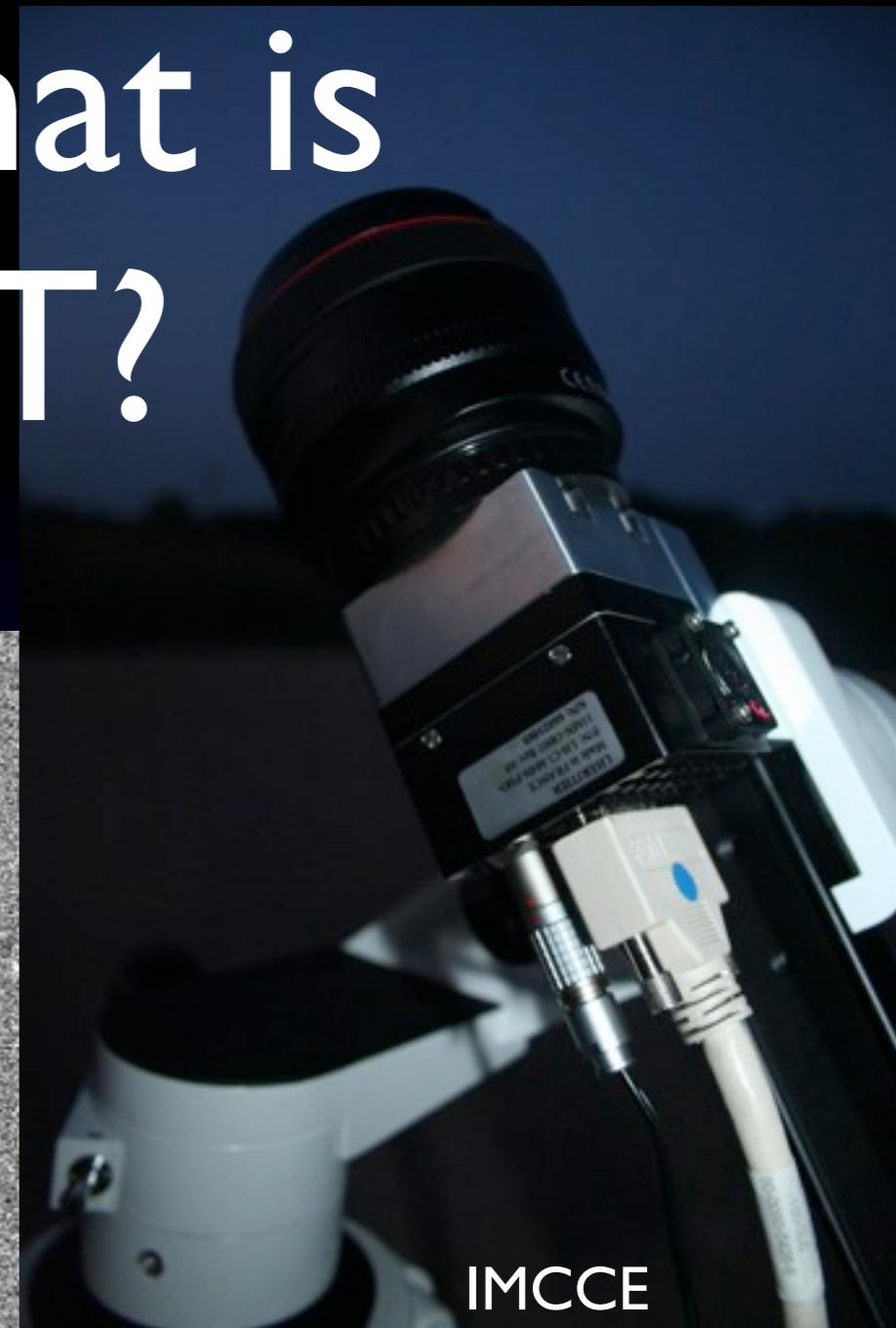
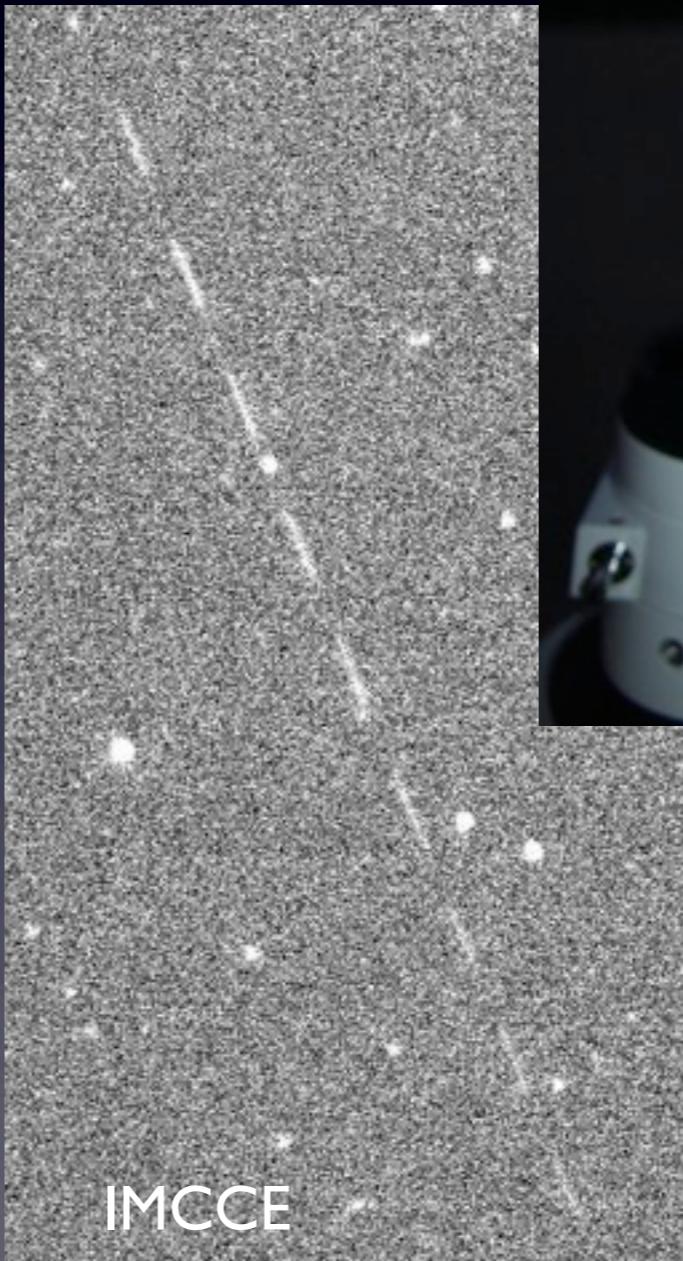
Madrid

26/09/2012



Reminder: what is CABERNET?

- Need for high accuracy meteor trajectory
- ++pixels => --frame rate
- 11 Mpix LHeritier camera ; 1 fps
- Tunable electronic shutter up to 200Hz

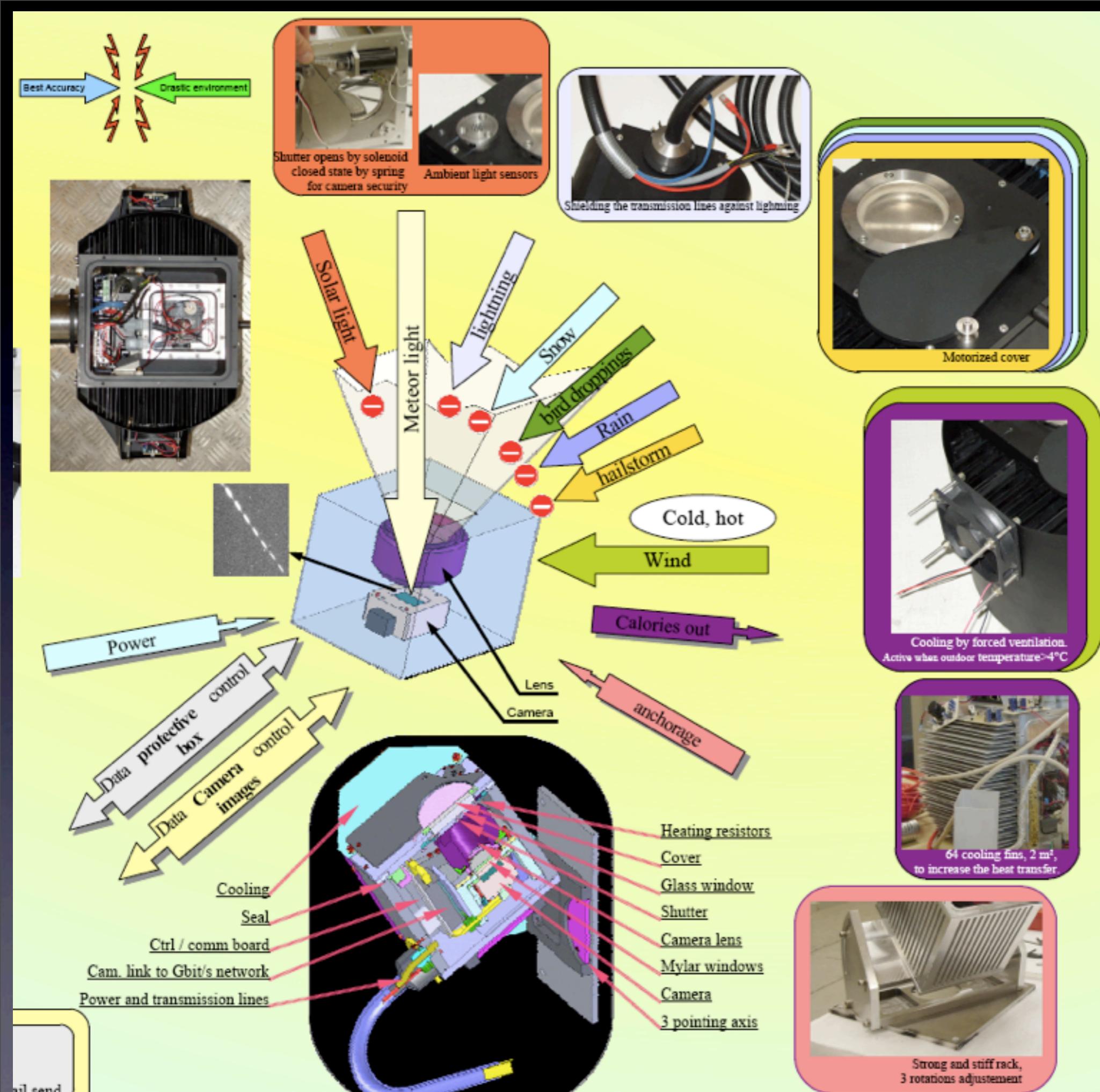


What's new?

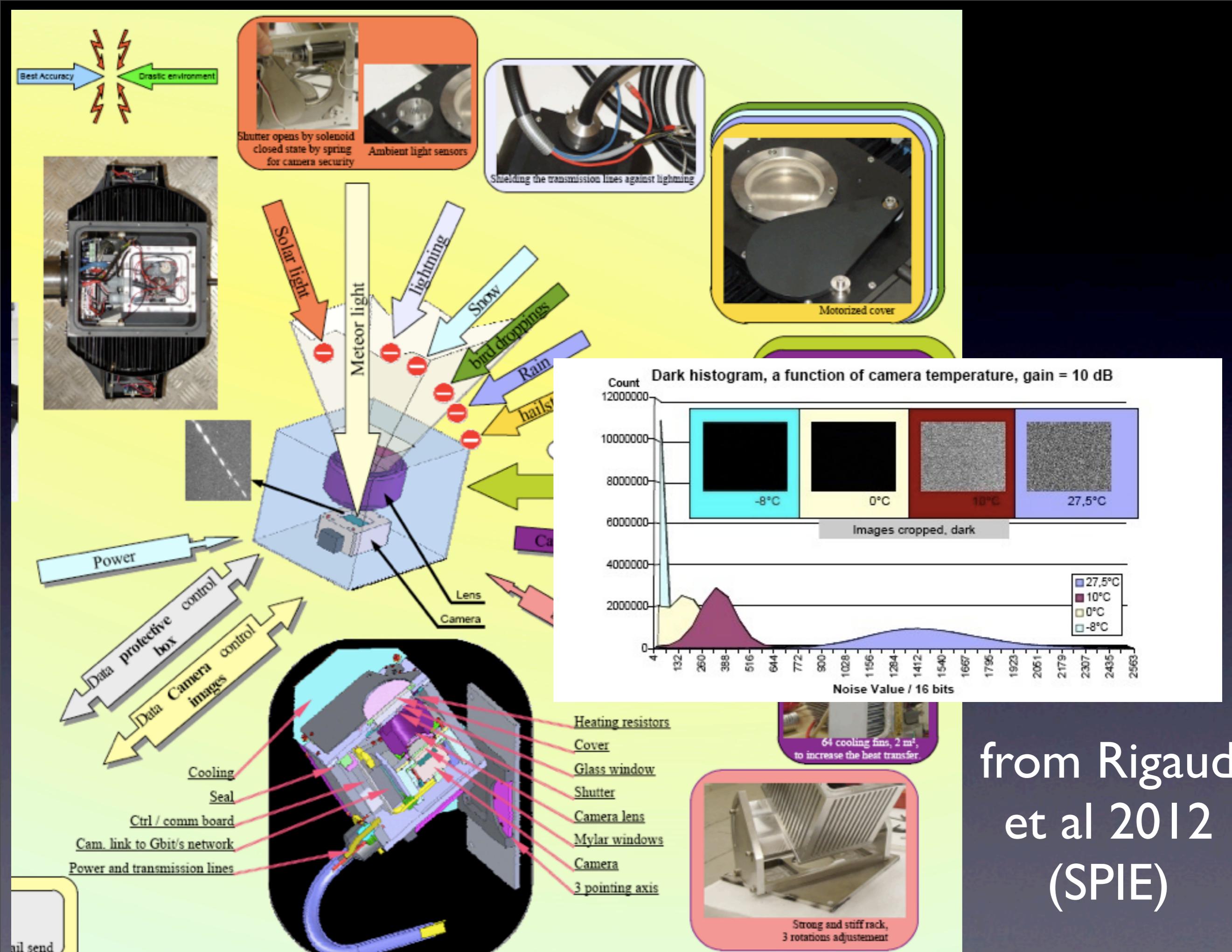
- Presentation of the box
- Installation of 1.5 camera(s)
- The pipeline
- what did we/l learn?

The box

from Rigaud
et al 2012
(SPIE)



from Rigaud
et al 2012
(SPIE)



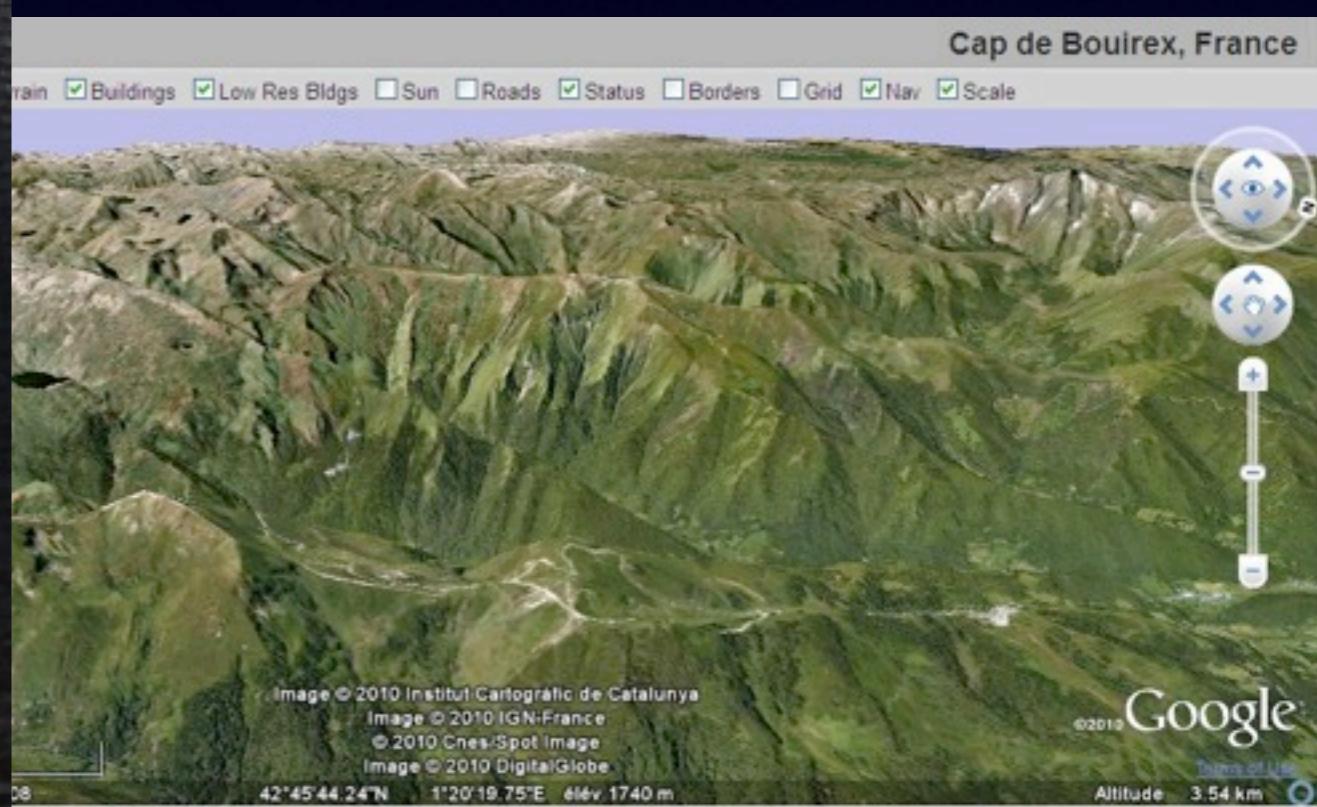
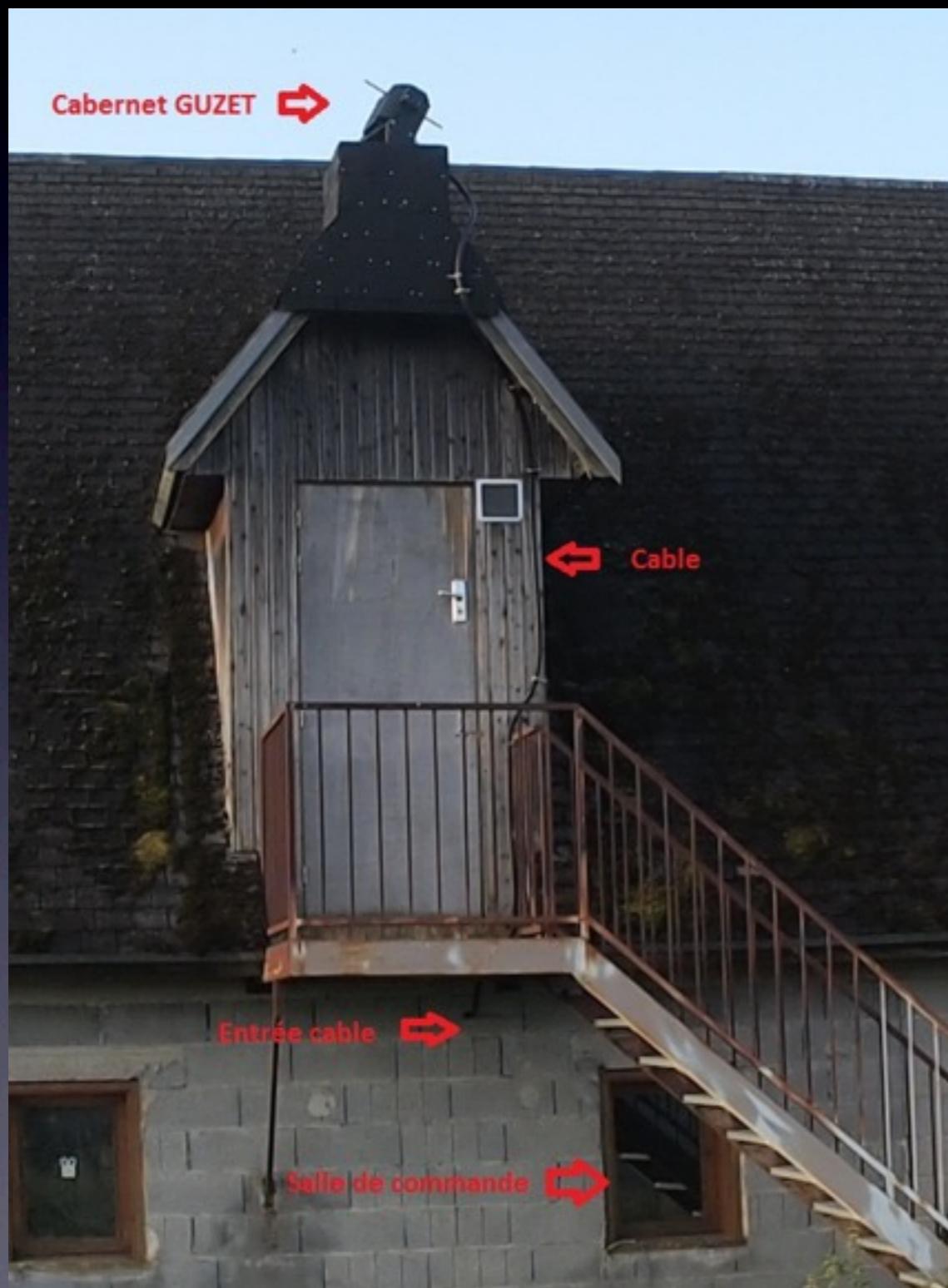
CABERNET I, Pic du Midi observatory



since July 2012
automated operation
remote control possible

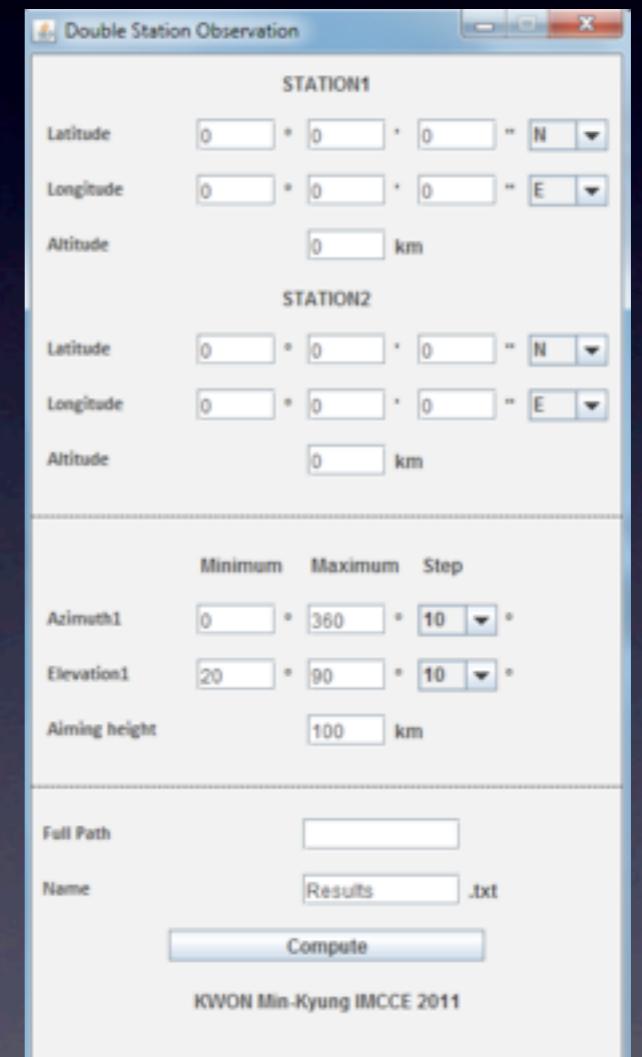
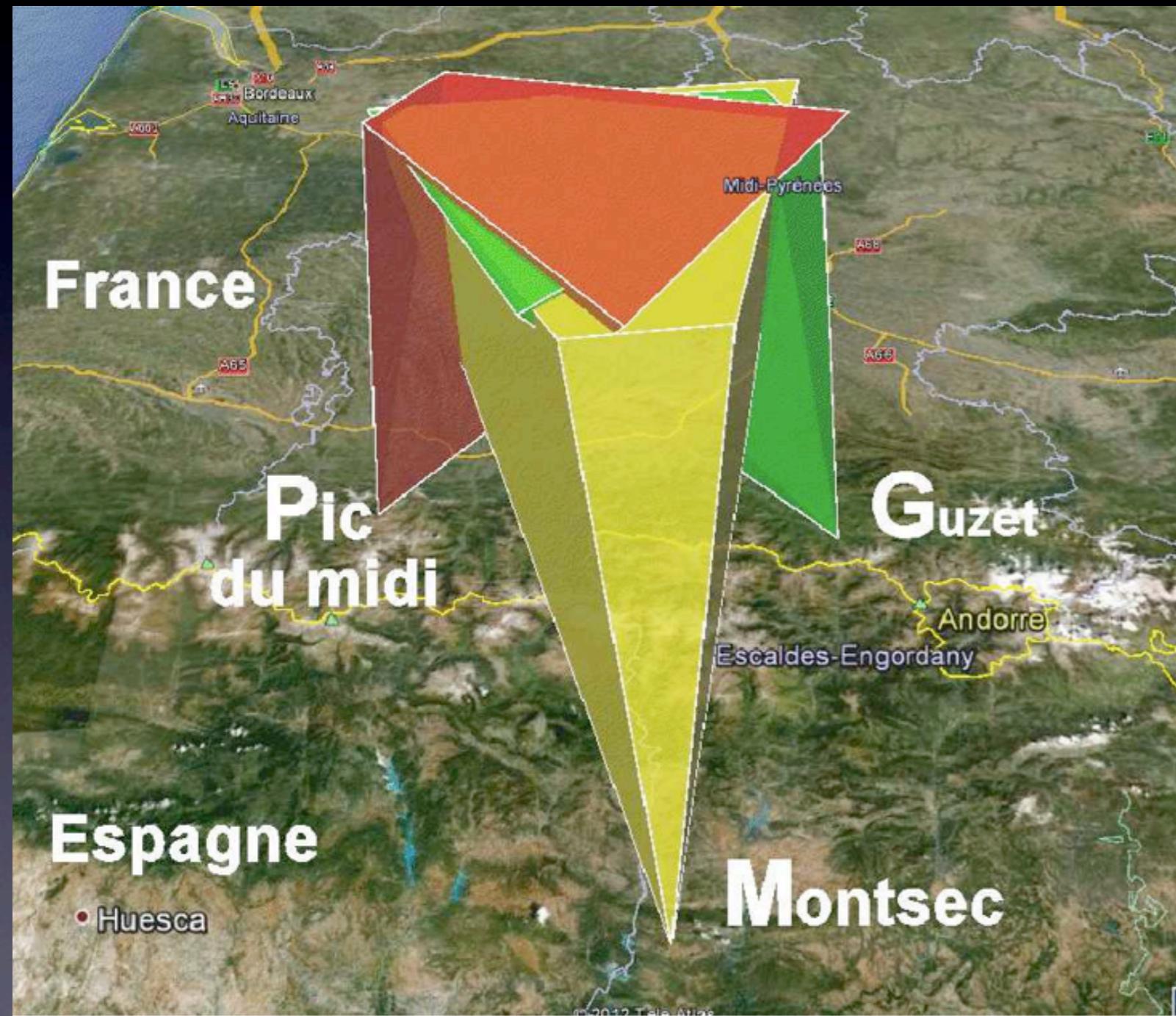


CABERNET 2, Guzet

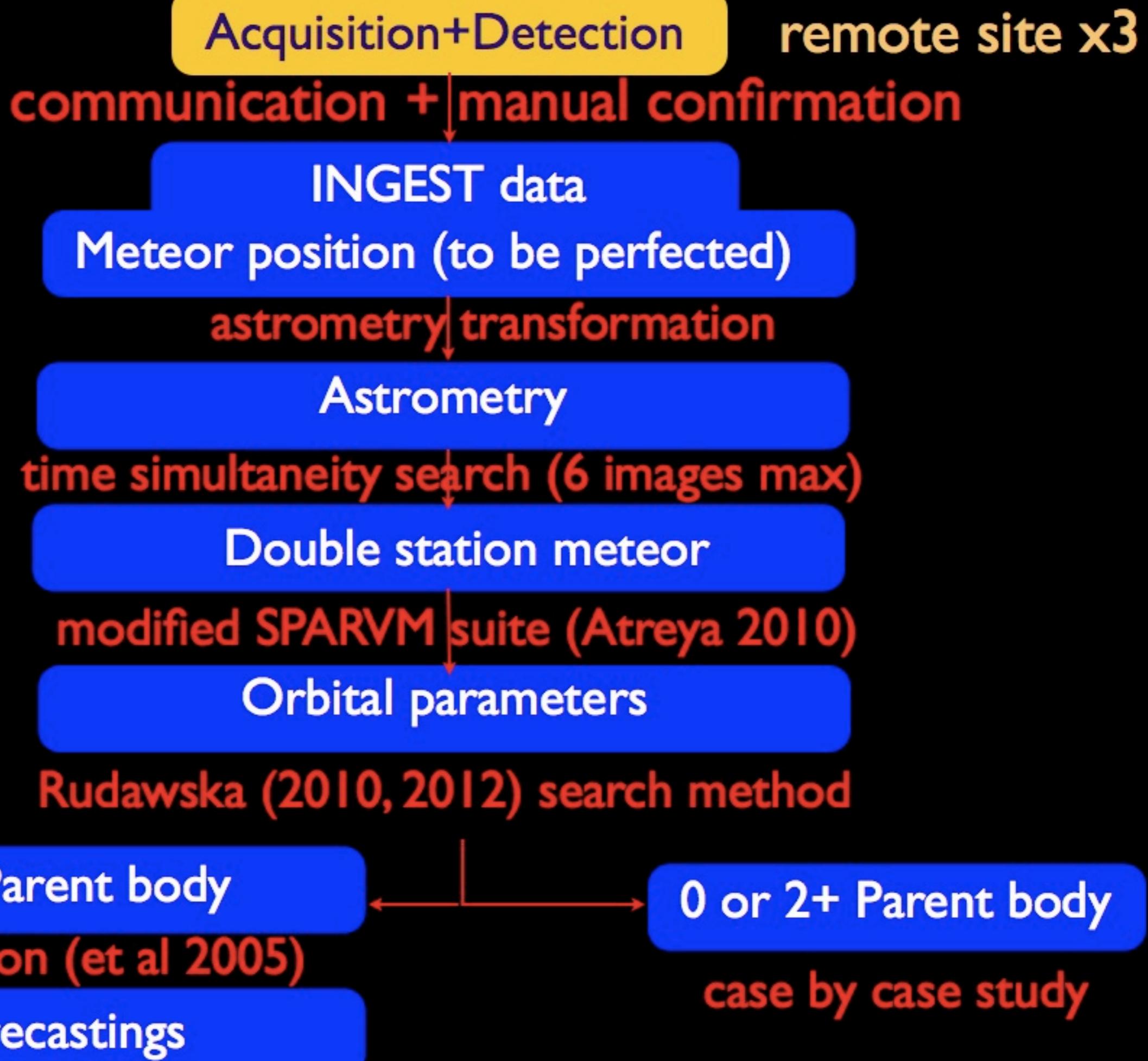


F. Colas, S. Bouley, J. Gaudemard - IMCCE - GEPI

Location



Double Station setup Tool (M.K.
Kwon - IMCCE)

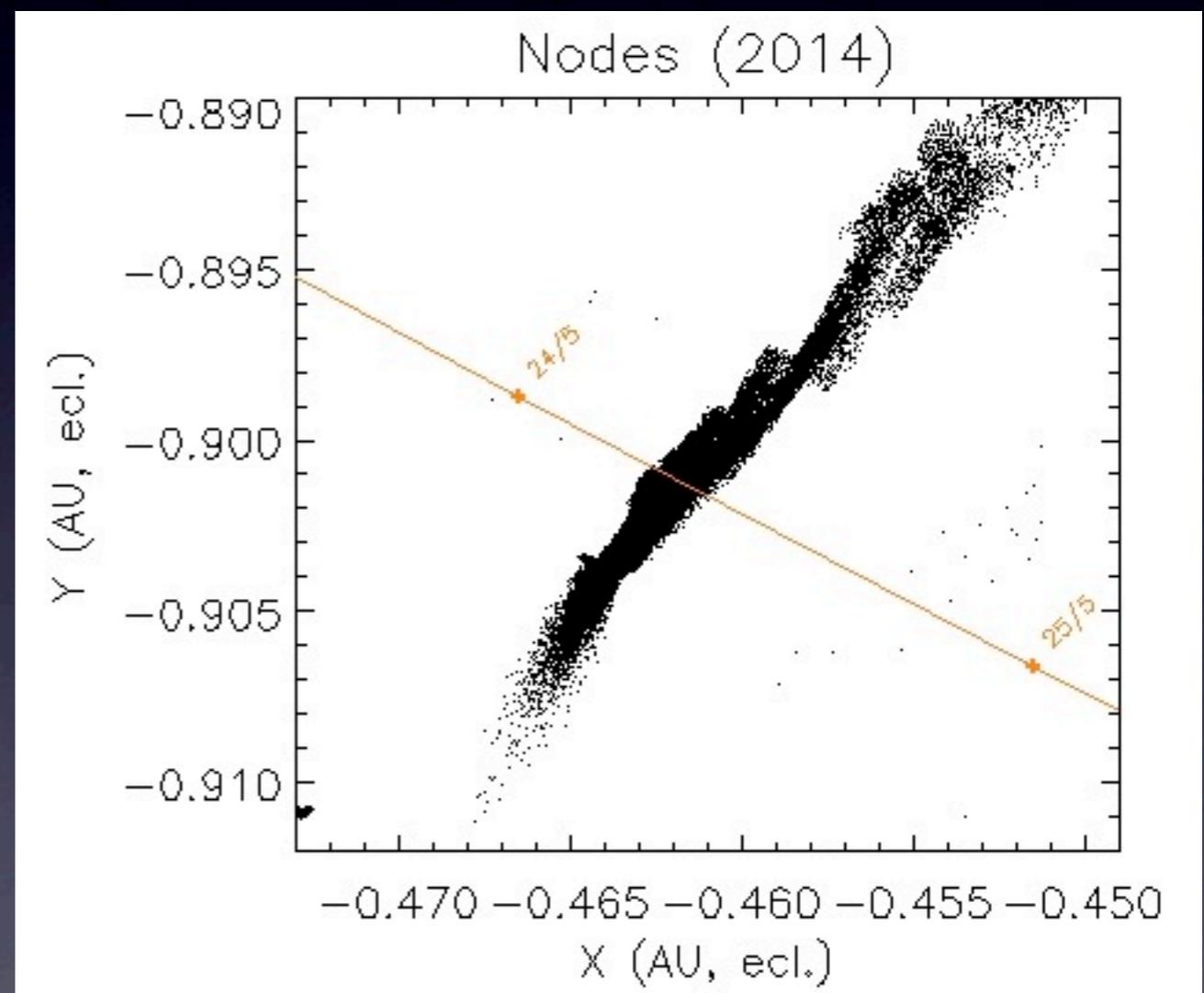


What did we learn?

- 1st IMCCE meteor instrument project
- development takes 10x more time as expected...
- => for anything remote: plan, plan & plan again and get ready for the unexpected... like, a new meteor outburst!

Next (big?) meteor outburst

- 209P/LINEAR - 2004CB
- 24th May 2014, 7:40 UT
- radiant: 8:07, +79 deg
- => N.America



J.Vaubaillon - IMCCE

Conclusion

- CABERNET: almost there!!!
- The power of electronic shutter
- 100% automated (im)possible (?)
- Accurate electronic trajectory to come

Acknowledgements

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- Programme National de Planetologie

