DRACONIDS AIRBORNE OBSERVATION CAMPAIGN

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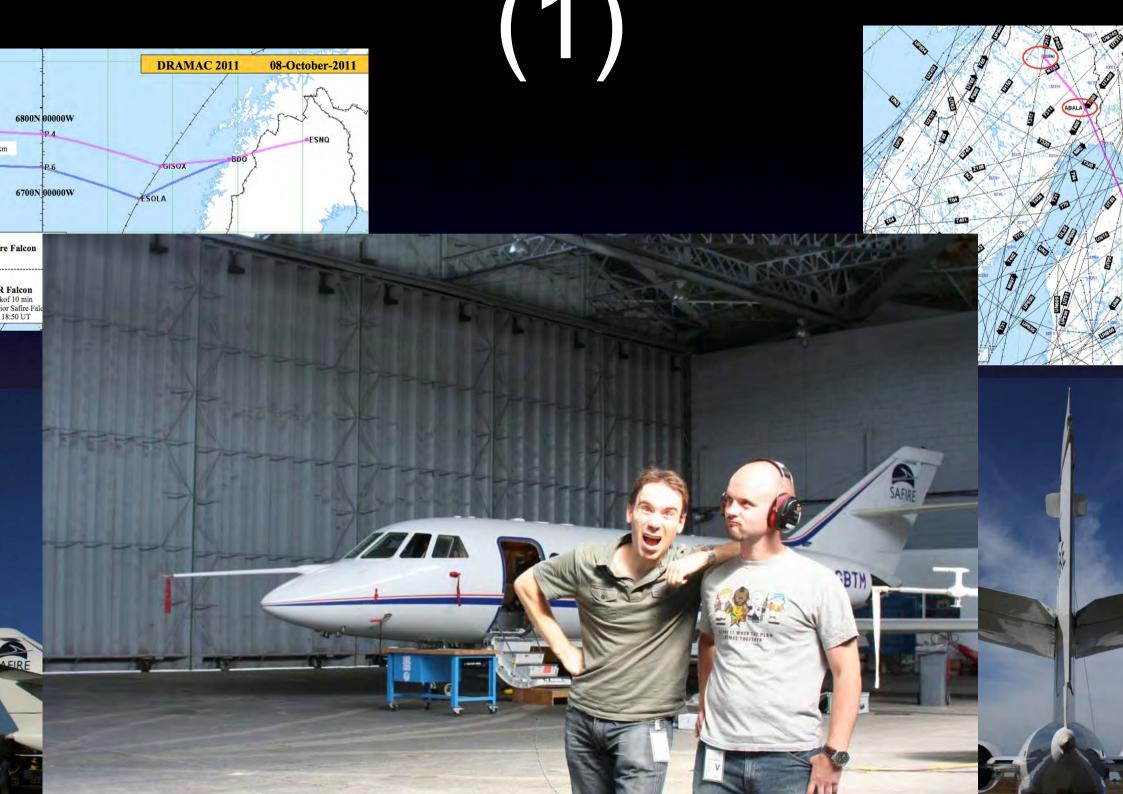






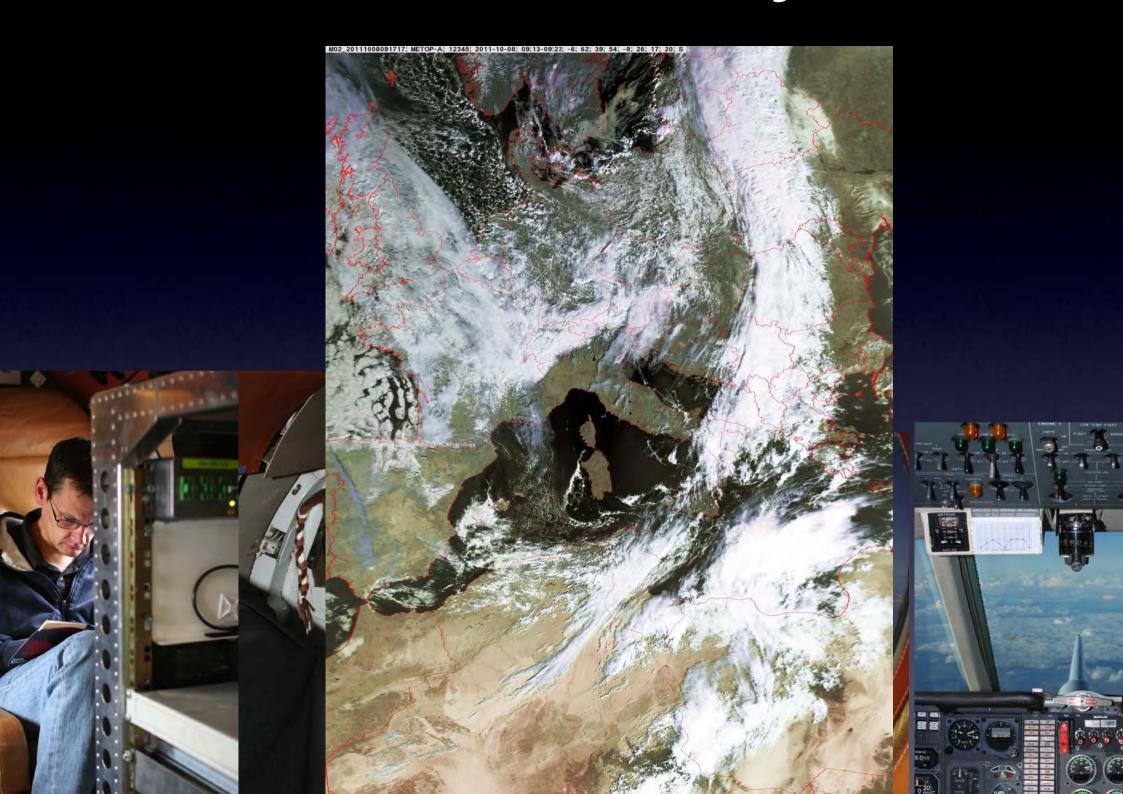
meteor airborne based observation campaign

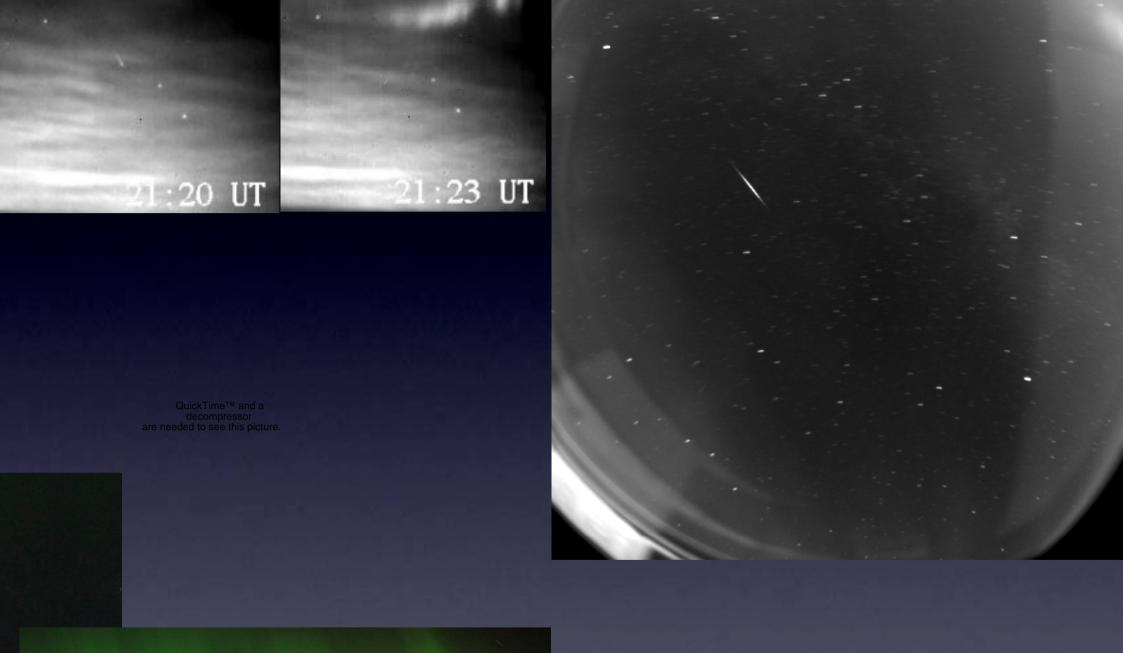












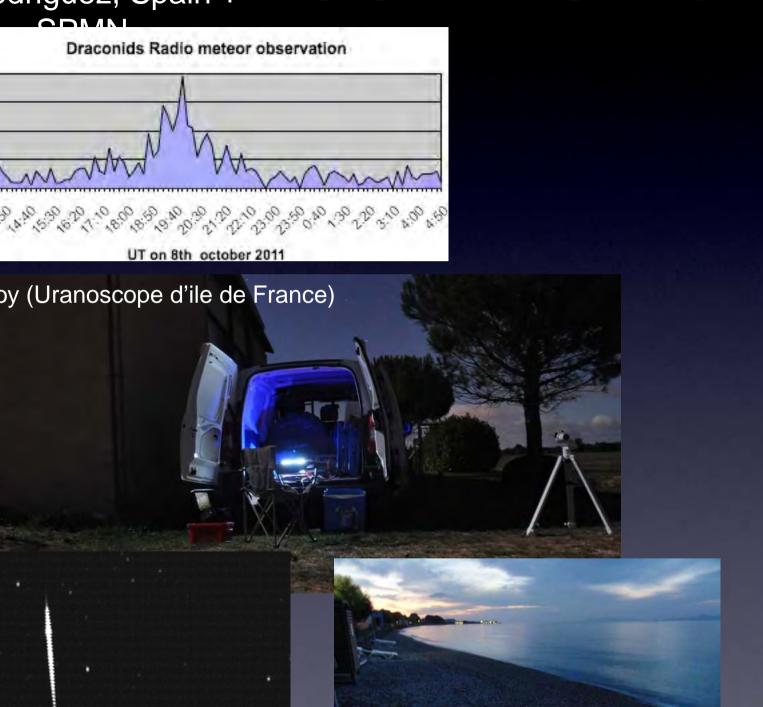
QuickTime™ and a decompressor are needed to see this picture.



Documentary in English available for free

Stack+re-centered image Lm~6 (JV, IMCCE)

odriguez, Spain Lean ettort

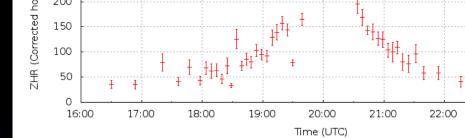




S. Boule

QuickTime™ and a decompressor are needed to see this picture.

IIC Outbuist



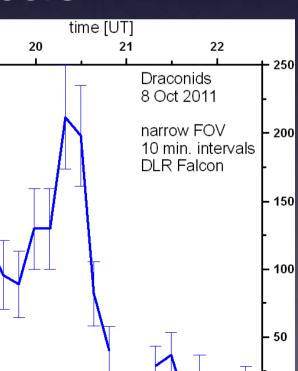
spected first peak at ~17 UT (still working on it) dipeak right on time!

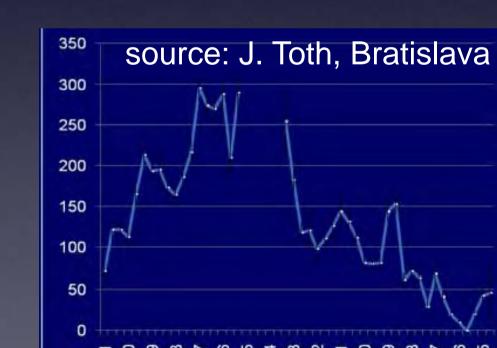
source

R ~250-300/hr = 1/2 of what was expected => 1933 & 1946 orts 50% off because of no reduction method (?)

ass sorting: maximum activity of bright meteors earlier than o

eors

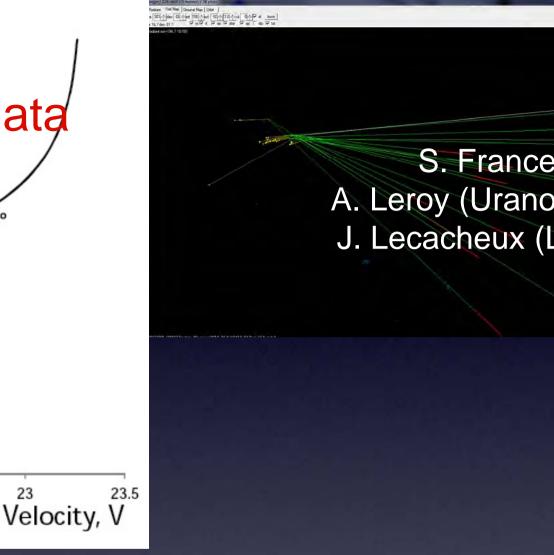




deceleration rate by M. Gritsevitch, sing P. Jenniskens CAMS data

22

22.5



FIRE+DLR plane data I under analysis (by P. oten & J. Vaubaillon)

21.5

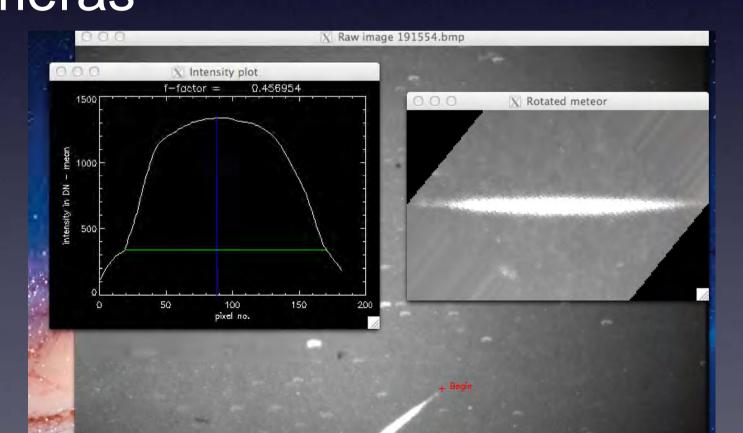
21

20.5

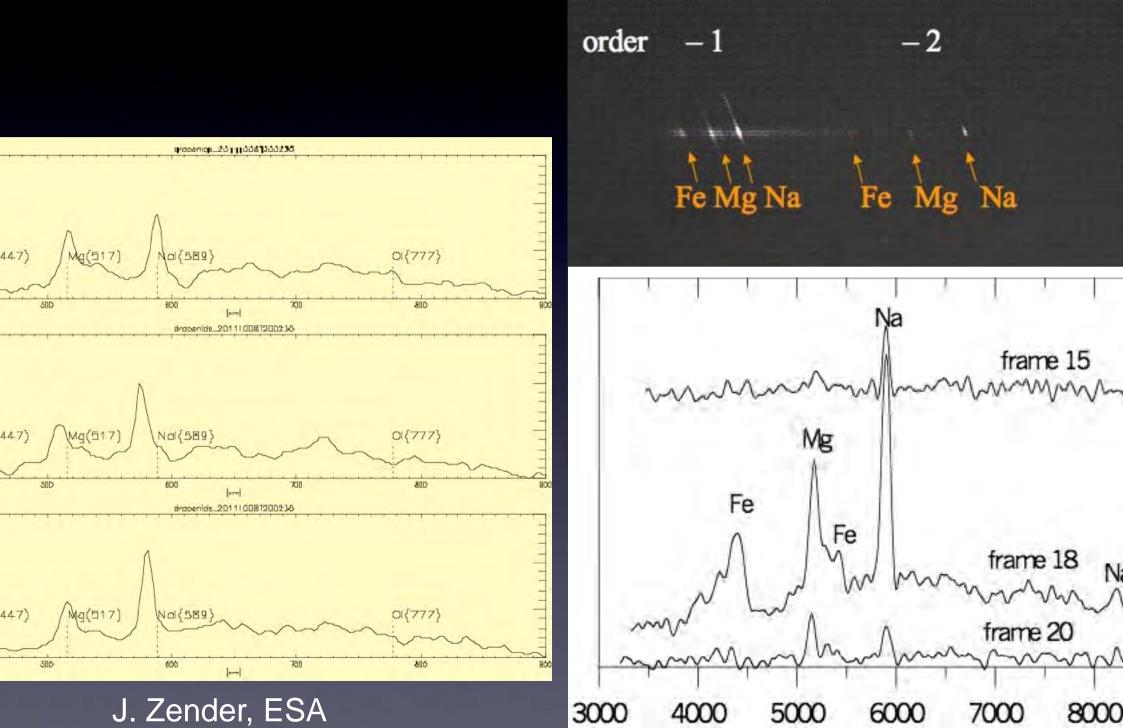


(D. Koschny, ESA) F-number does not look especially low

Flat light curves observed by many cameras



Opechoscopy



1st European airborne meteor observation campaign

VIIME MIM VV O I OMITIE

Excellent collaboration! Exchange of cameras team work along with ground

Wanna fly? Bring a camera!

SAFIRE/EUFAR: 2 very different approaches

Flight change MAY be changed 2 days prior t flight

OUI/MY biggest Flight plan has to be optimized one year ahea

Flight plan has to be optimized one year ahean nightmare to the stations authorizations

Russian bureaucracy to bug 6 months in advance even if they don't reply

Write procedure and FOLLOW procedure (to avoid to forget to press the "record" button)

No heat in cabin, no matter what! => noise

coordinate spectra and orbit camera

Still TODO list

- get orbits (90% done)
- get deceleration
- exploit IR data
- exploit light curve
- challenge: auto-detection of meteors in a moving plane!!!
- 1st peak to confirm

Conclusion

- 1st European airborne meteor observation campaign + ground based collaboration
- 2011 Draconids showed up right on ime!
- ZHR~250 => revise past storm repo<mark>rt?</mark>
- Fragile cometary dust?
- Documentary available for free at

