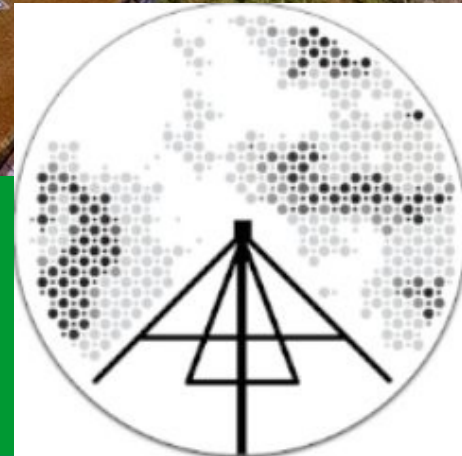


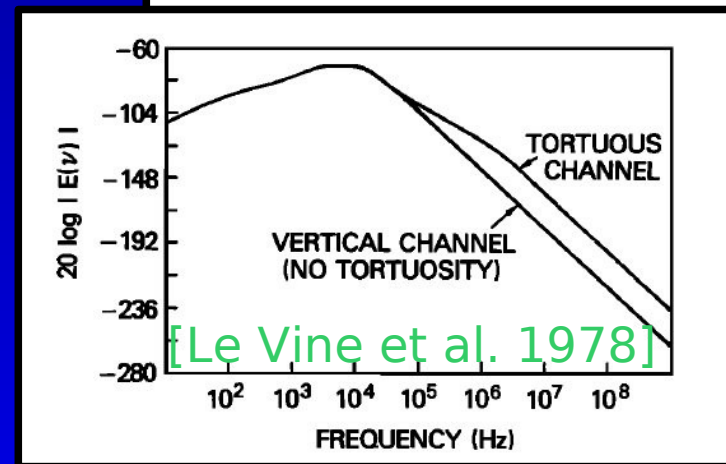
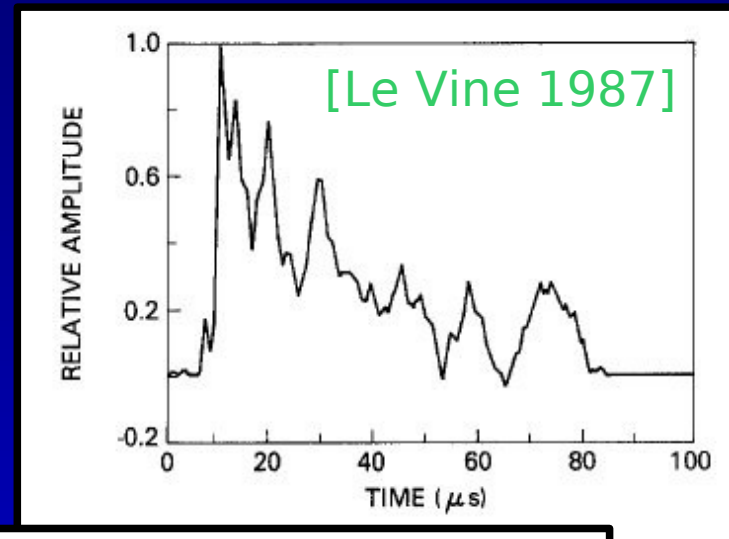
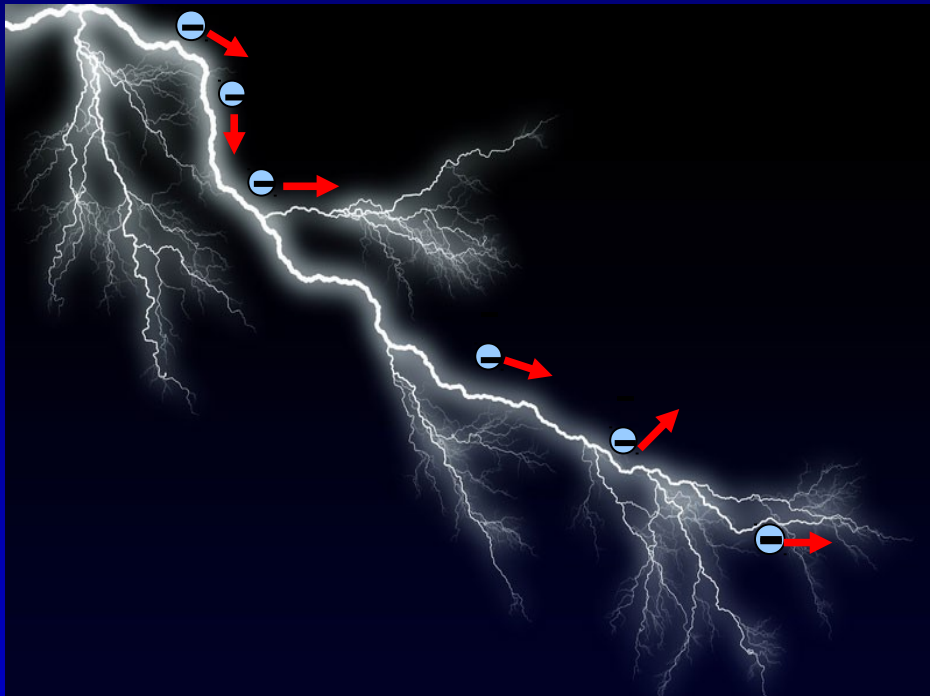
NenuFAR lightning KP plan



J.-M. Grißmeier, P. Zarka et al.



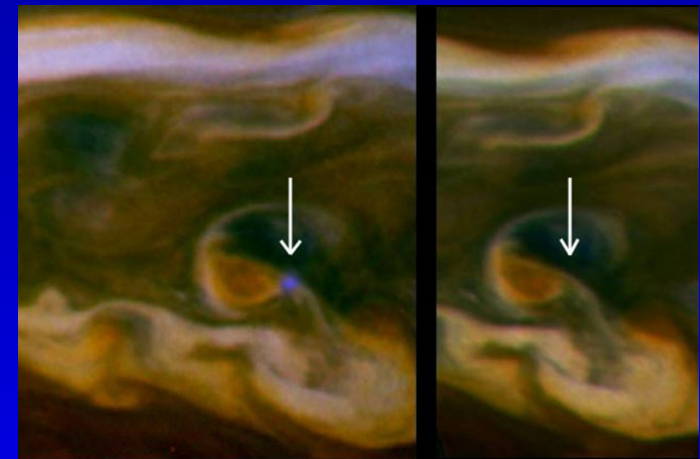
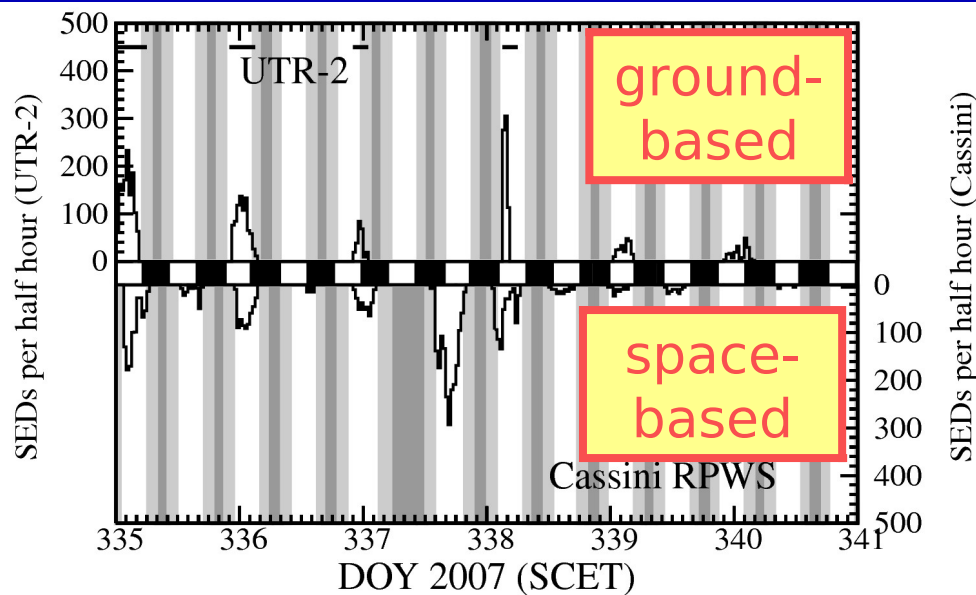
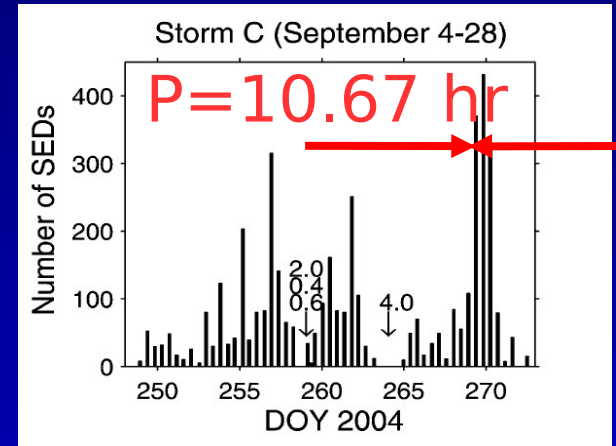
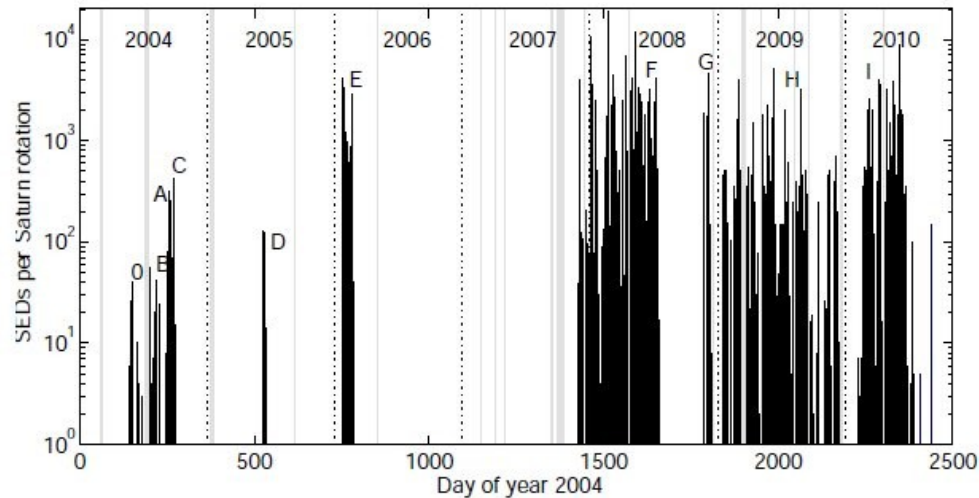
Radio emission from lightning



acceleration of charges \Rightarrow electromagnetic radiation

Radio emission from lightning

[Fischer et al. 2011]



[NASA/JPL-Caltech/Space Science Institute]

NenuFAR pulsar KP interest

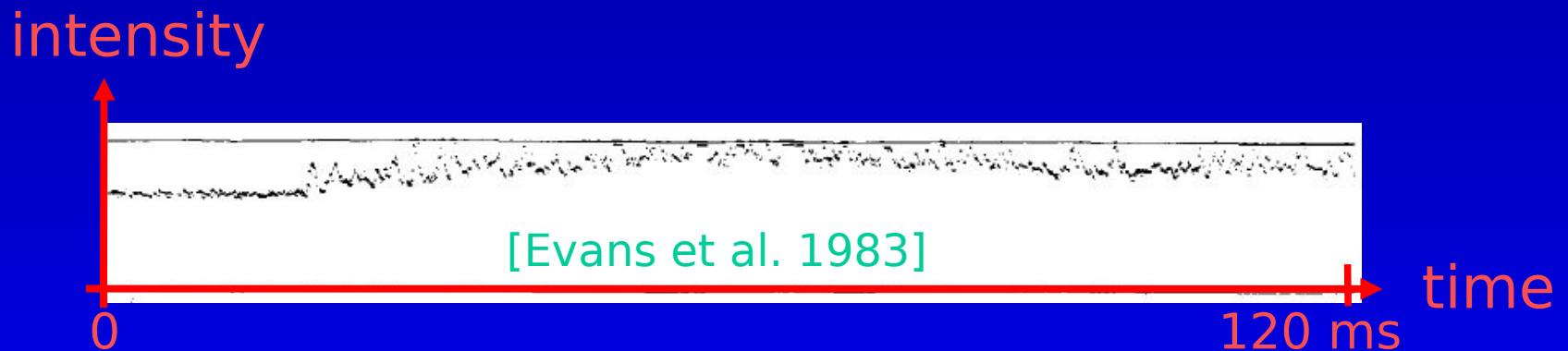
Scientific subjects

- Saturn emission timescales (fine structure)
- Saturn lightning spectrum
- Uranus? Neptune? Mars? Venus?

NenuFAR pulsar KP interest

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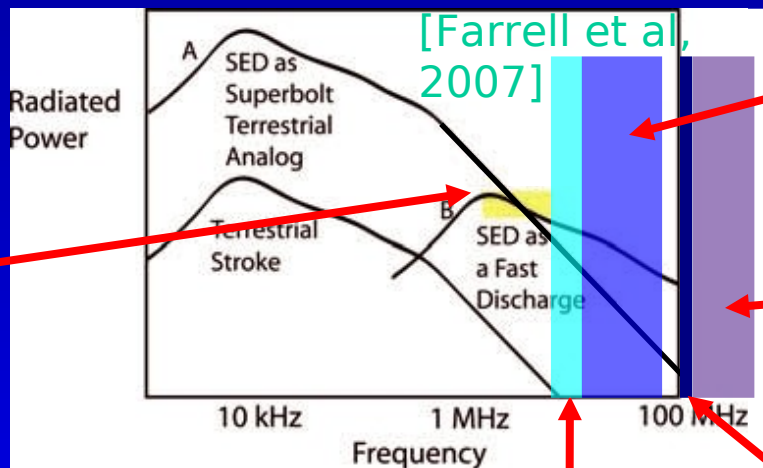
NenuFAR pulsar KP interest

Scientific subjects

- Saturn emission timescales (fine structure)
- Saturn lightning spectrum
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CASSINI



NenuFAR



LOFAR



UTR-2



WSRT

People

Baptiste Cecconi, Georg Fischer, Jean-Mathias Grießmeier,
Laurent Lamy (tbc), Jake Turner, Philippe Zarka

Observing strategy

- tracking observations of solar system planets
- dynamic spectra: 1 ms x 200 kHz
- 1 ON + N (~ 3) OFF beams
- 1 obs/week (month?)
- transient buffers?

1) TOO: triggered observations (optical observations)

2) monitoring observations (1 obs/week?)