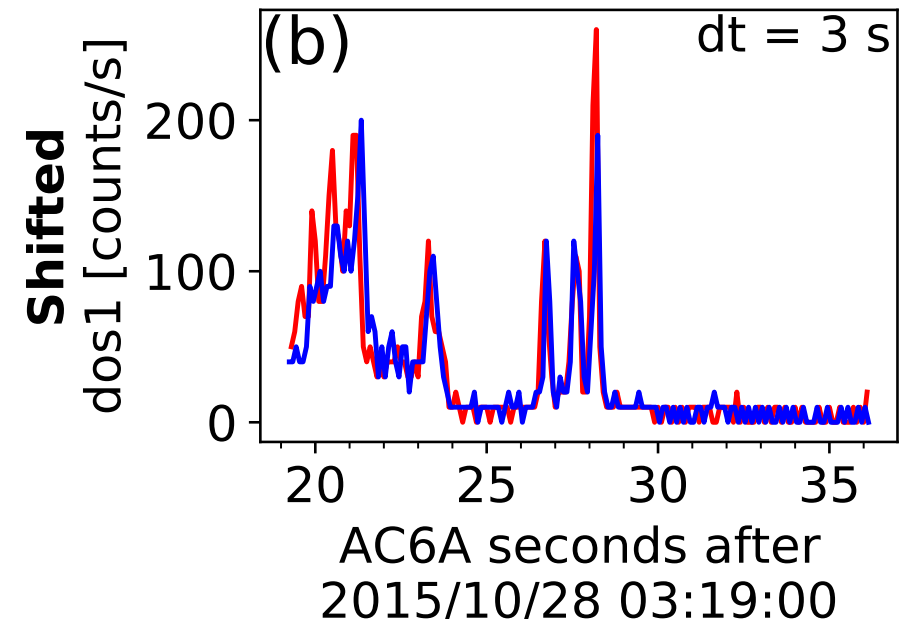
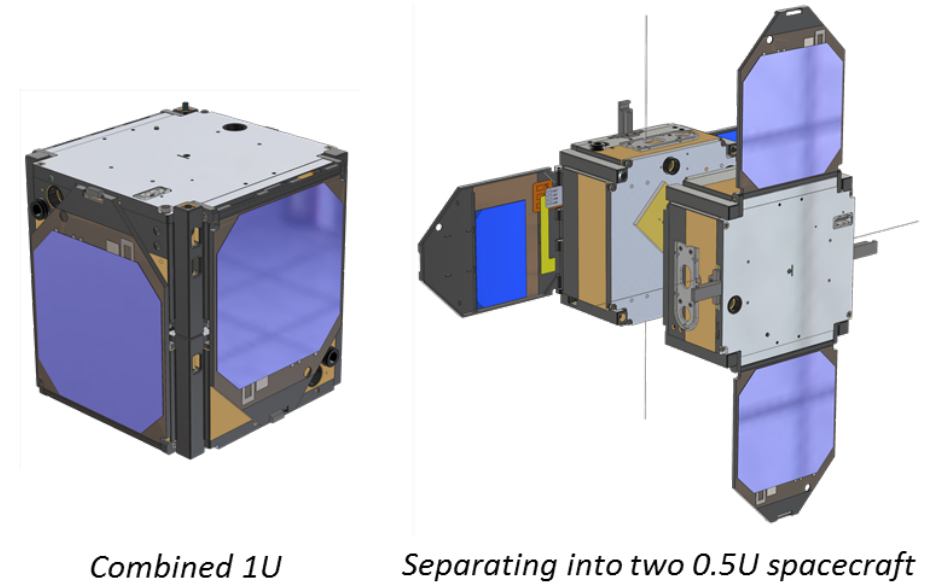


# Statistical Properties of Electron Curtain Precipitation Estimated with AeroCube-6

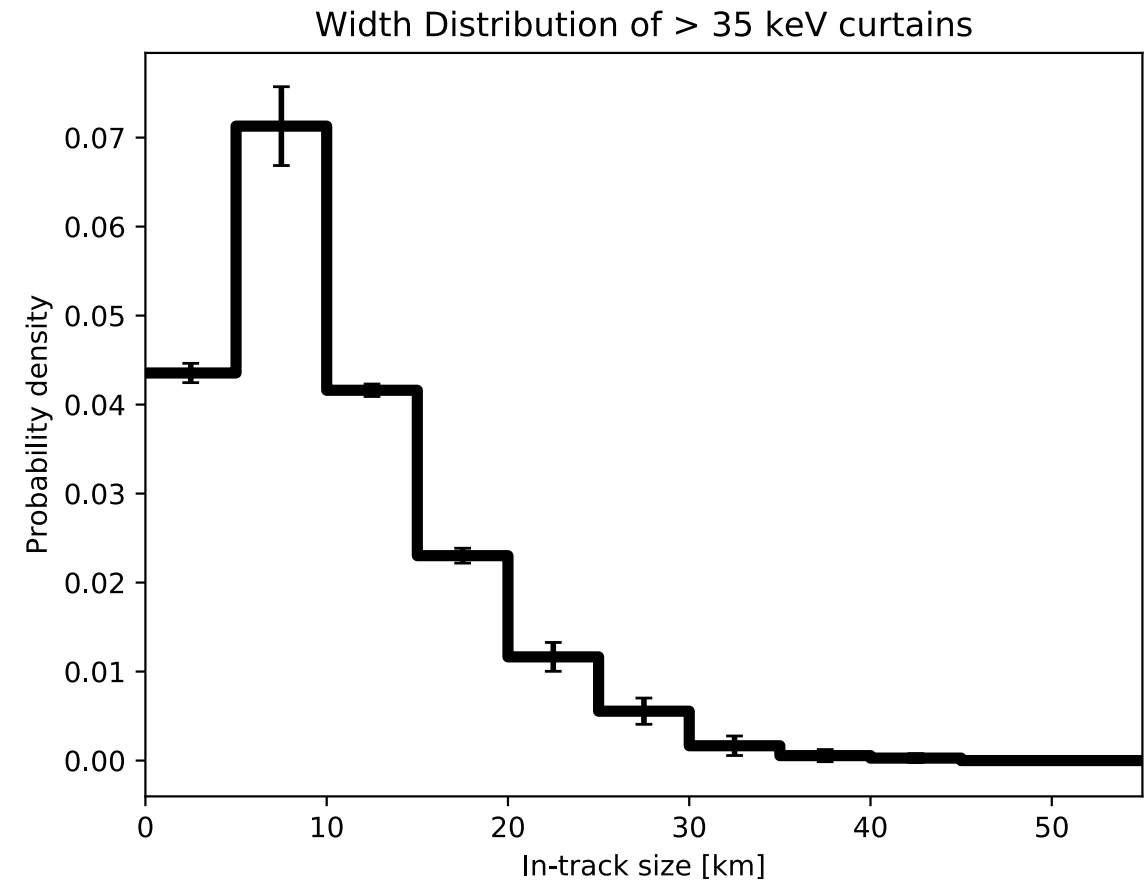
Mykhaylo (Mike) Shumko

## Motivation:

*Blake and O'Brien 2016* discovered a latitudinally narrow and stationary form of precipitation with an unknown structure and origin. Nothing is known about the curtain impact on the atmosphere and the magnetosphere.

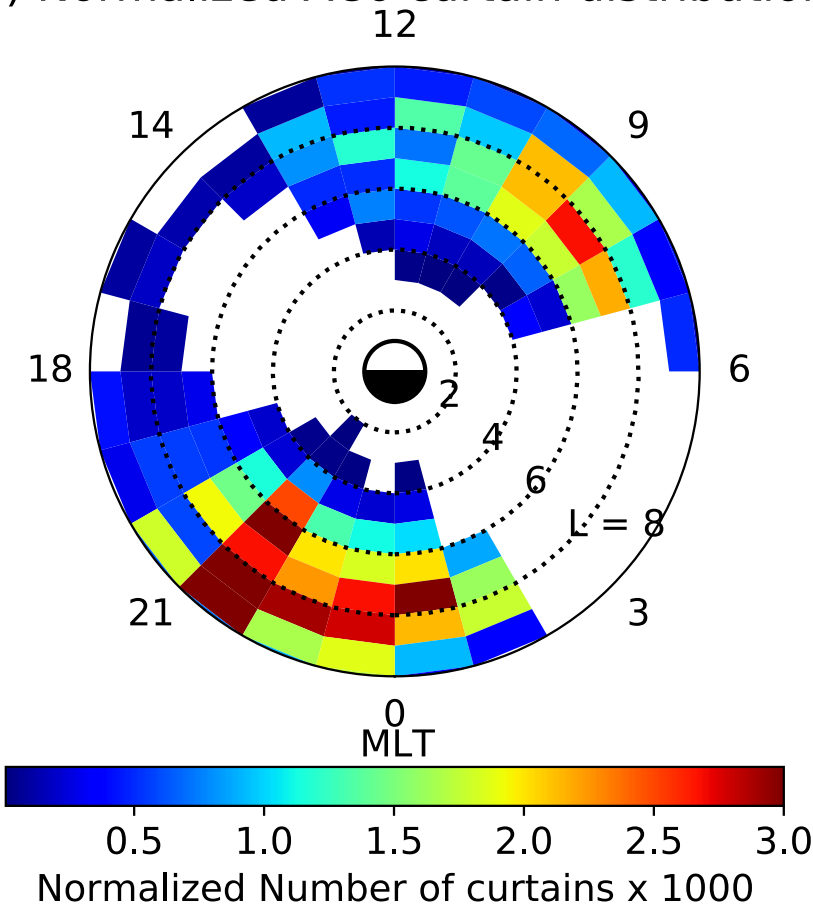


90% of curtains are narrower than 20 km in latitude



Curtains are observed predominately pre-midnight MLT and at high L shell

(b) Normalized AC6 curtain distribution



## AC6 Curtains in the Bounce Loss Cone

Surprisingly, we found curtains that continuously precipitated into the atmosphere. Could curtains be related to the aurora?

More details at:

<https://doi.org/10.1029/2020JA028462>

**Questions?**

