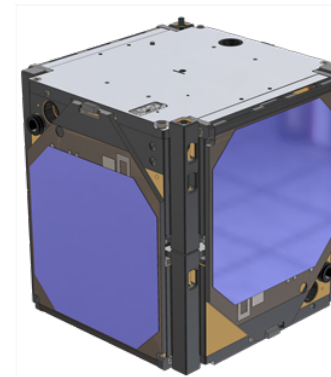
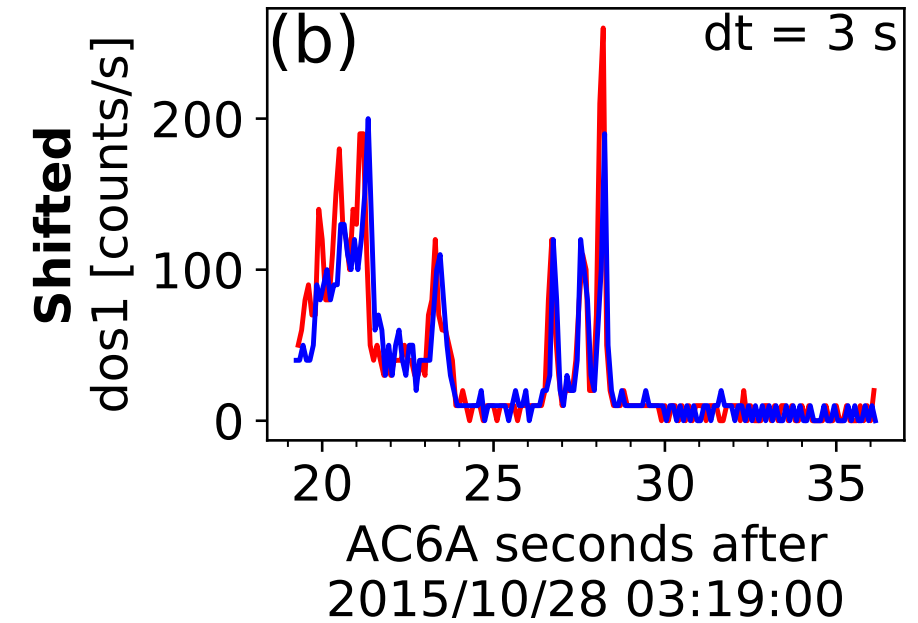


# Statistical Properties of Electron Curtain Precipitation Estimated with AeroCube-6

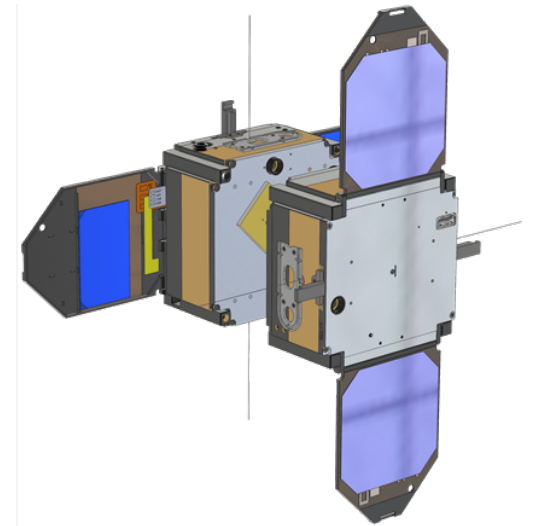
Mykhaylo (Mike) Shumko

## 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.

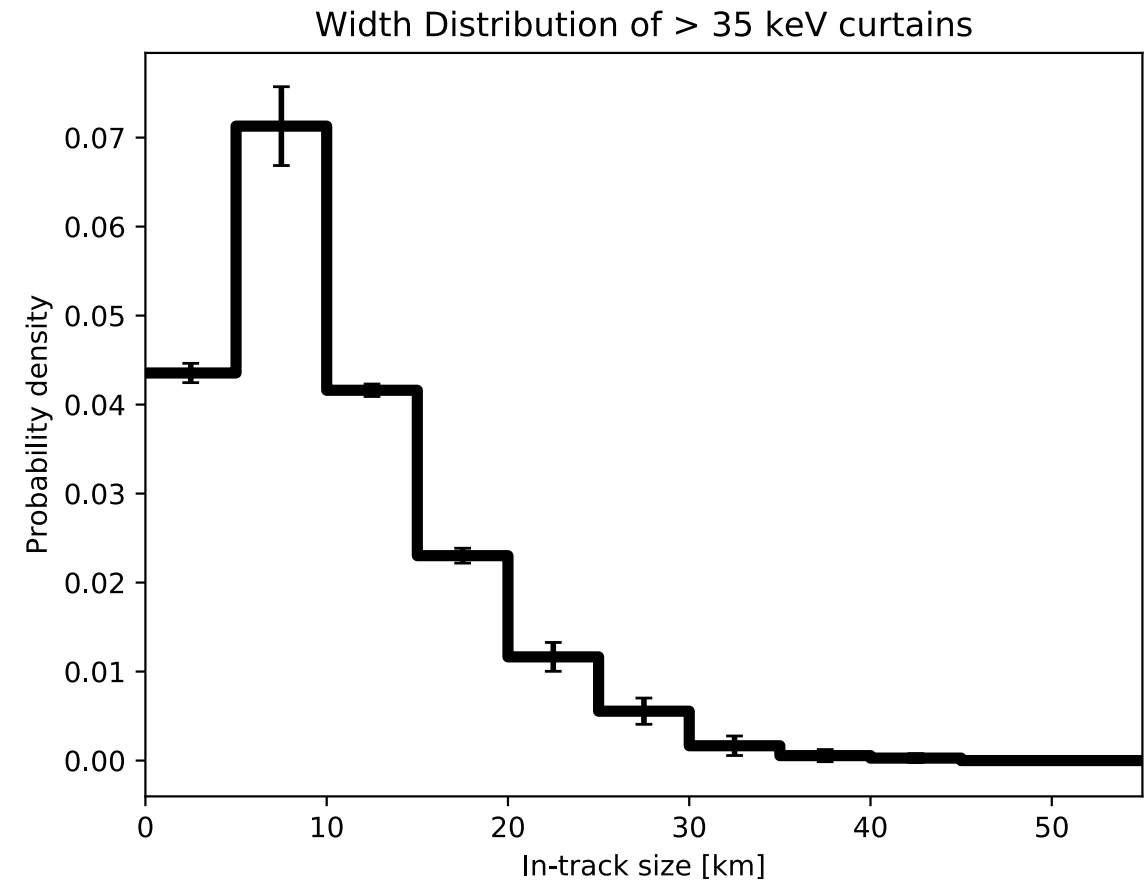


Combined 1U



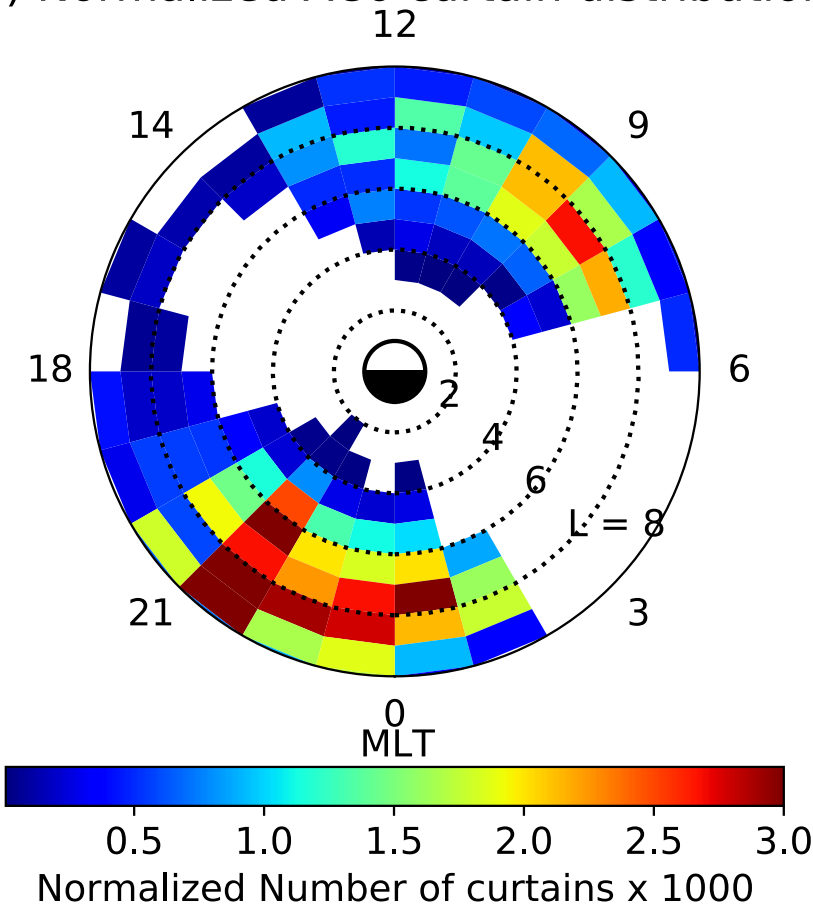
Separating into two 0.5U spacecraft

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 scattered into the atmosphere. Could curtains be related to the aurora?

**Questions?**

