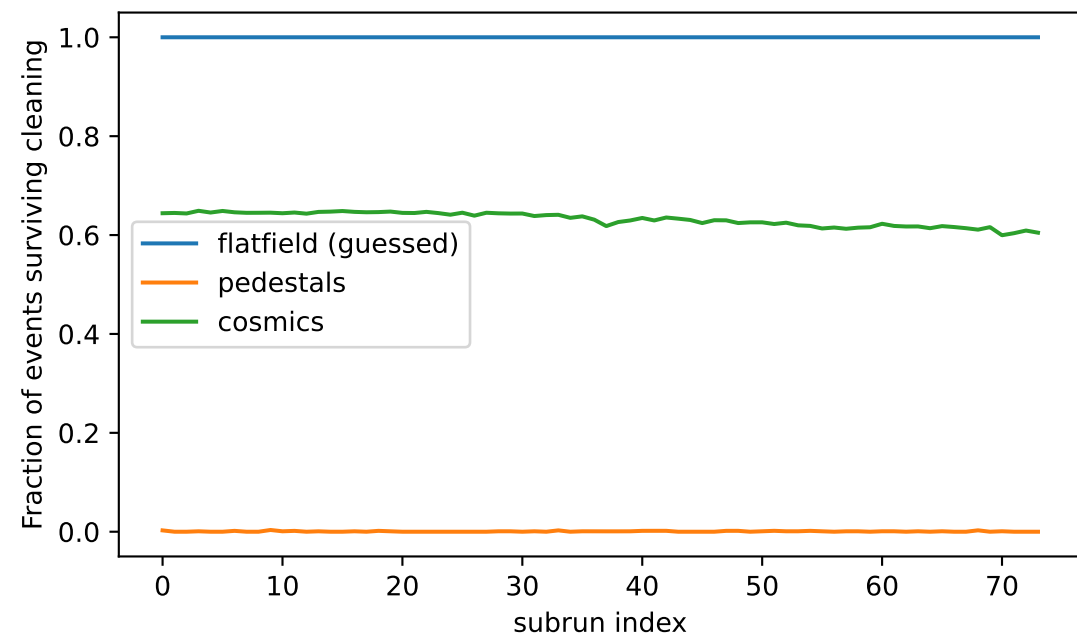
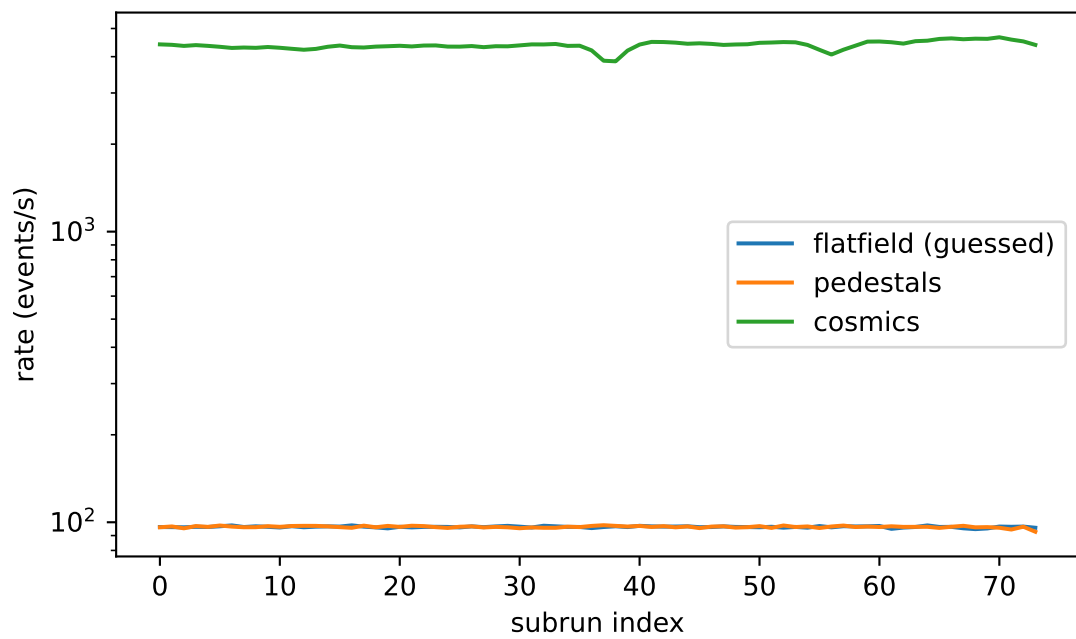
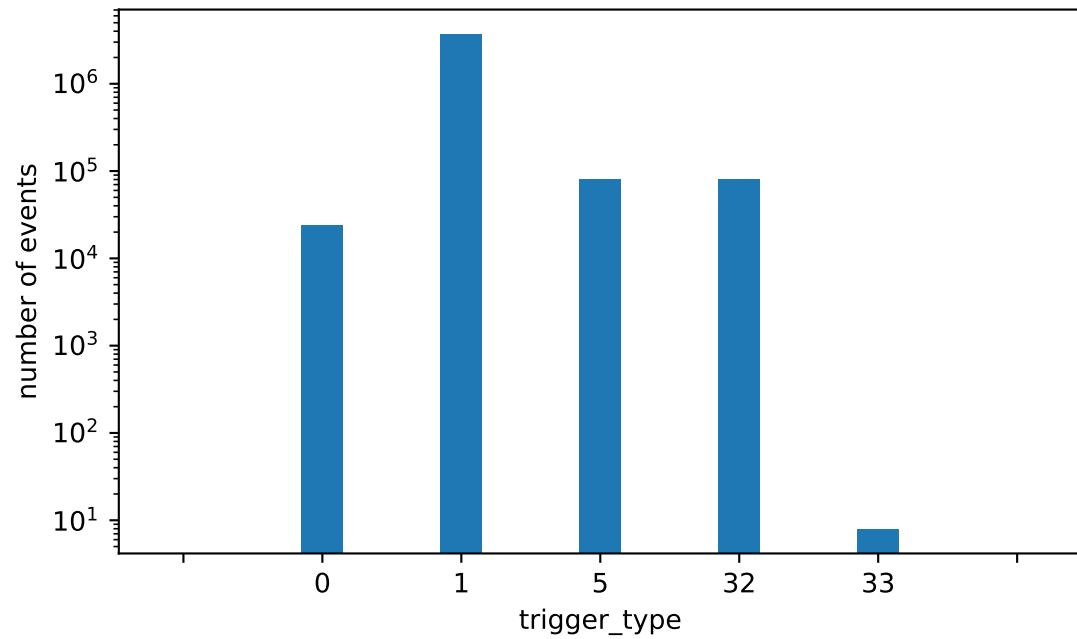
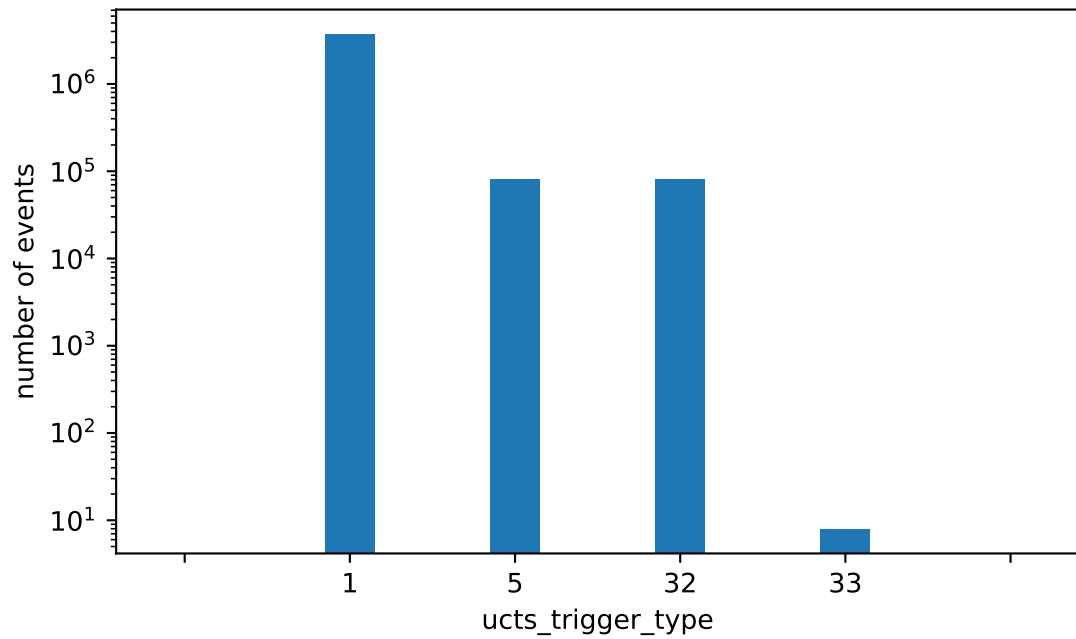
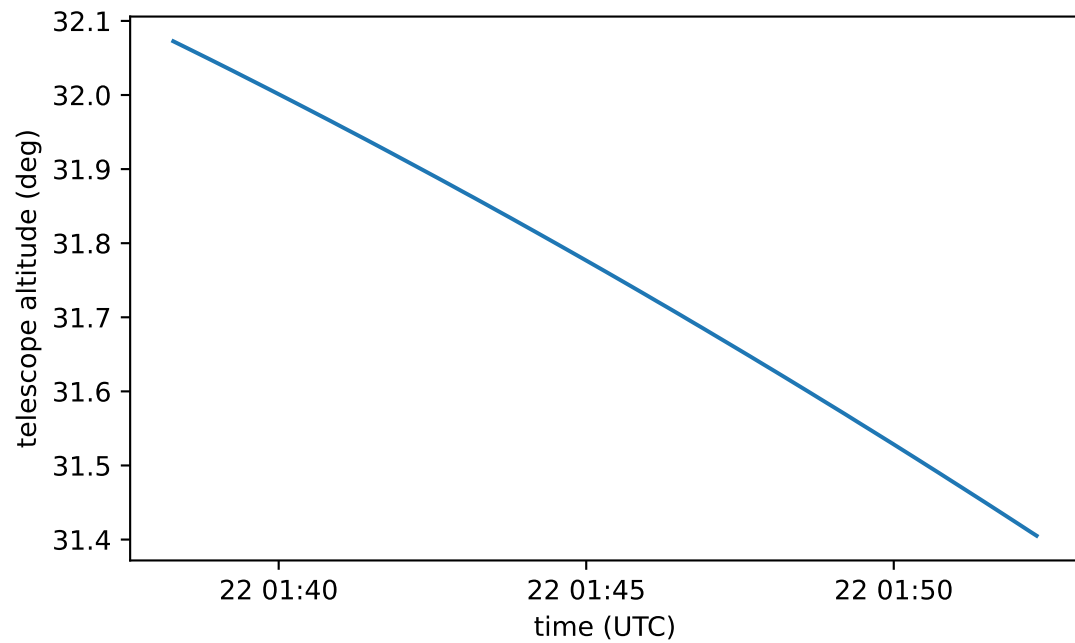
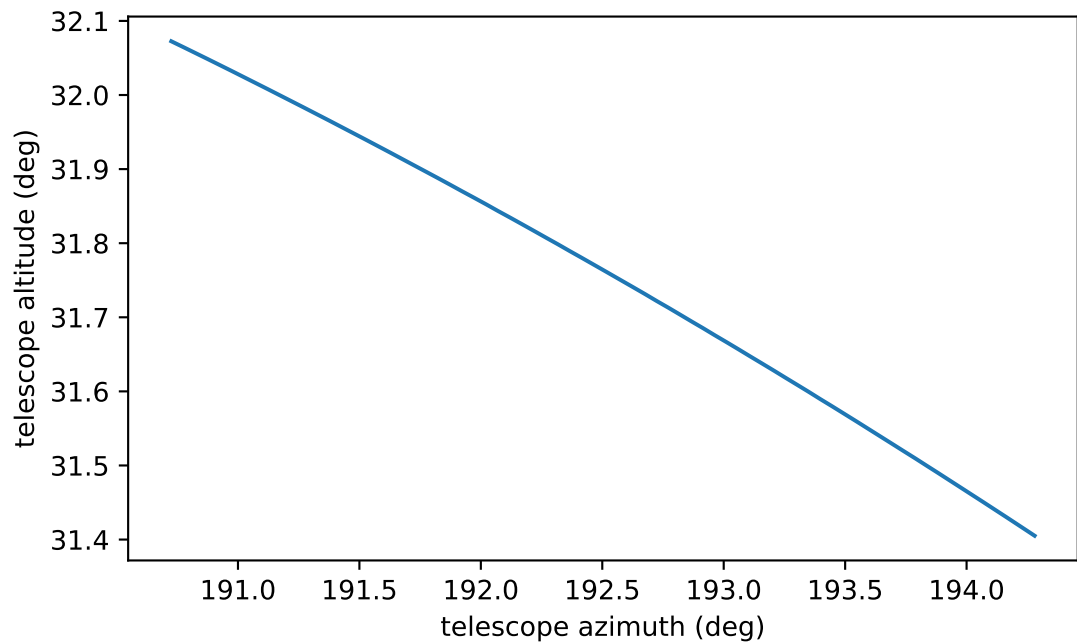
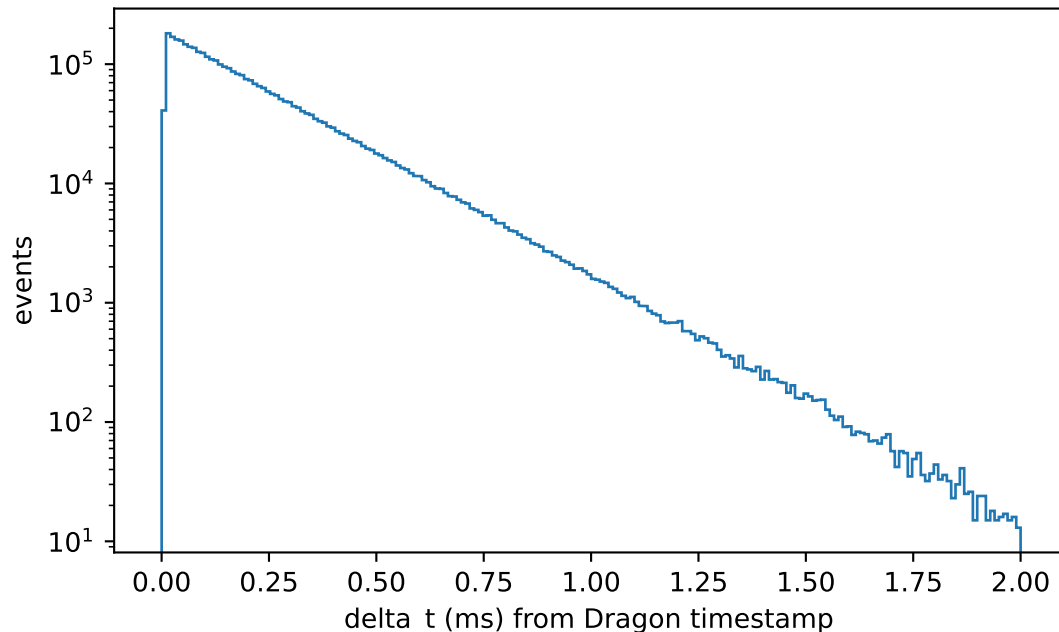
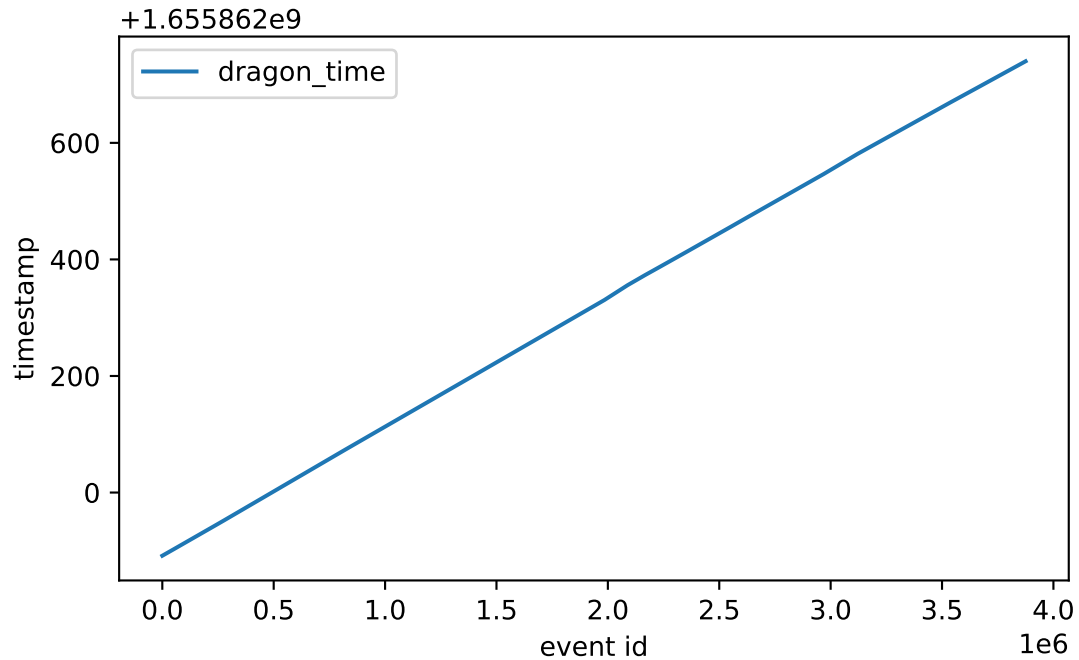


datacheck\_dl1\_LST-1.Run08839.h5

First shower event UTC:

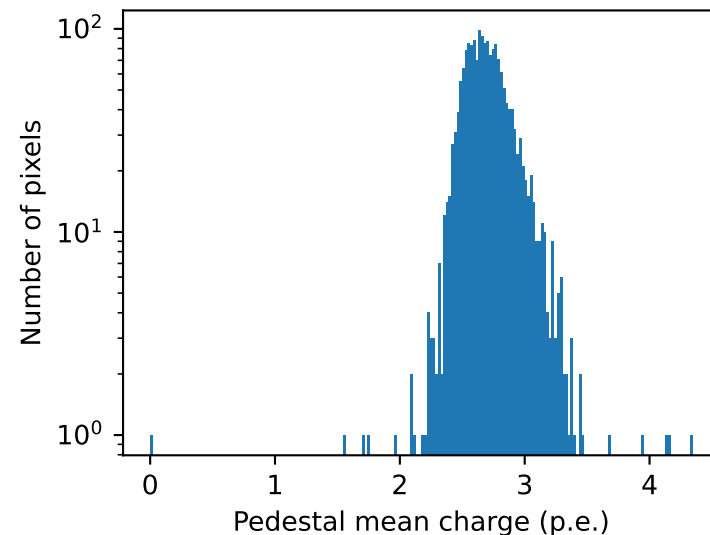
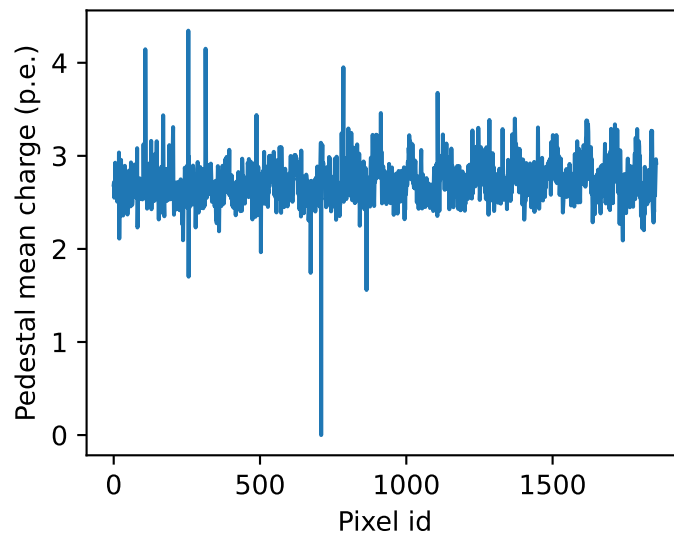
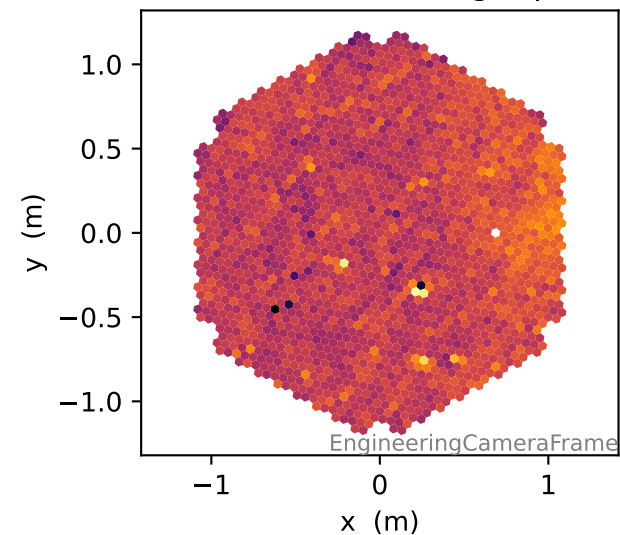
(from Dragon time): 2022-06-22 01:38:11.577746



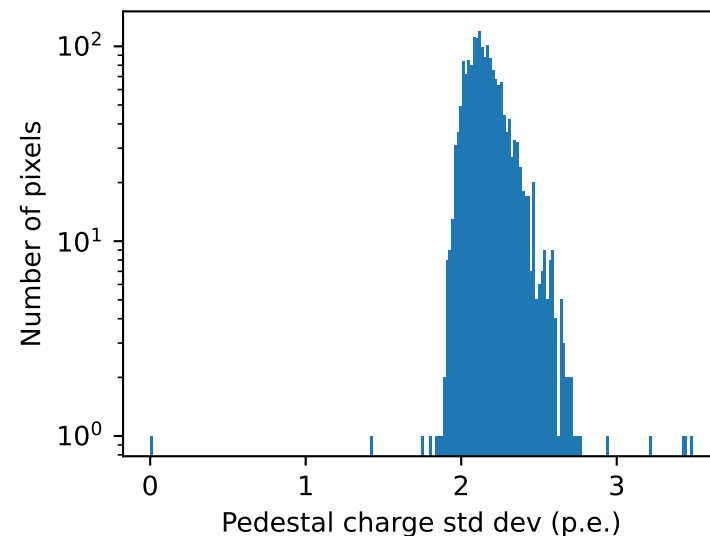
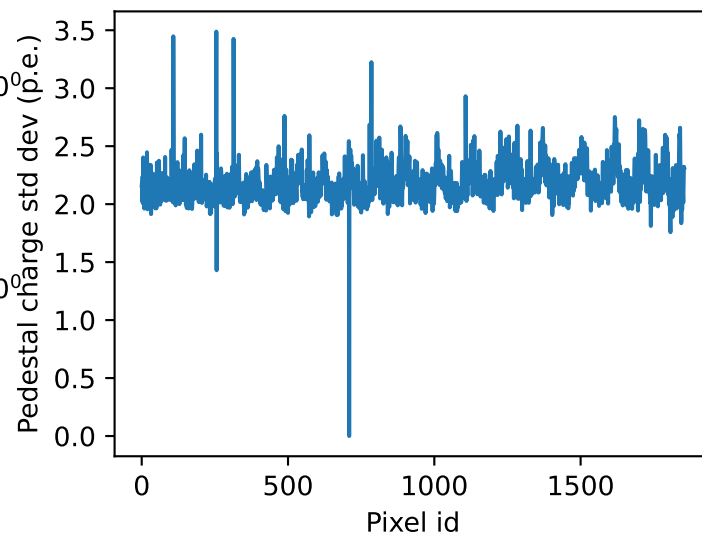
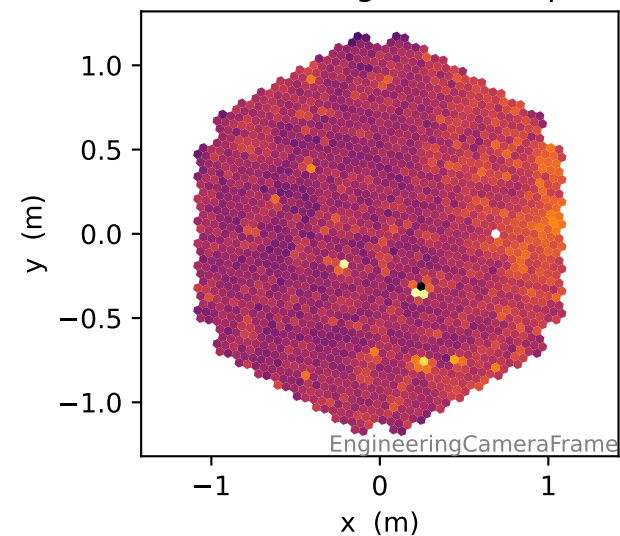


# PEDESTALS, pixel-wise charge info

### Pedestal mean charge (p.e.)

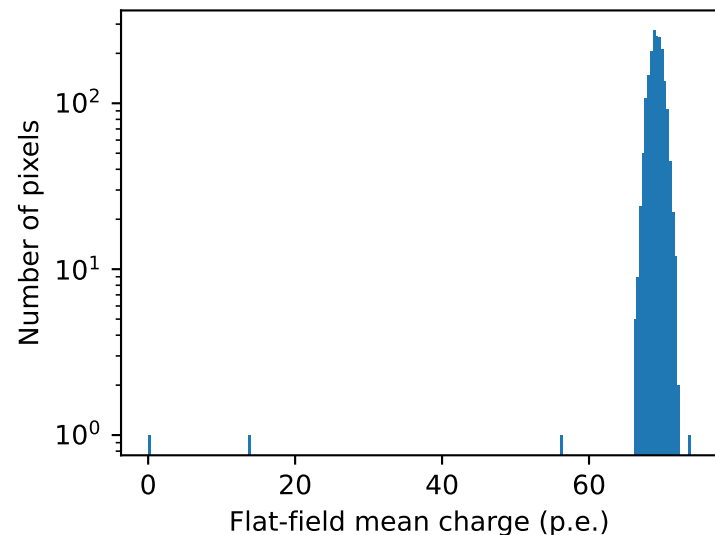
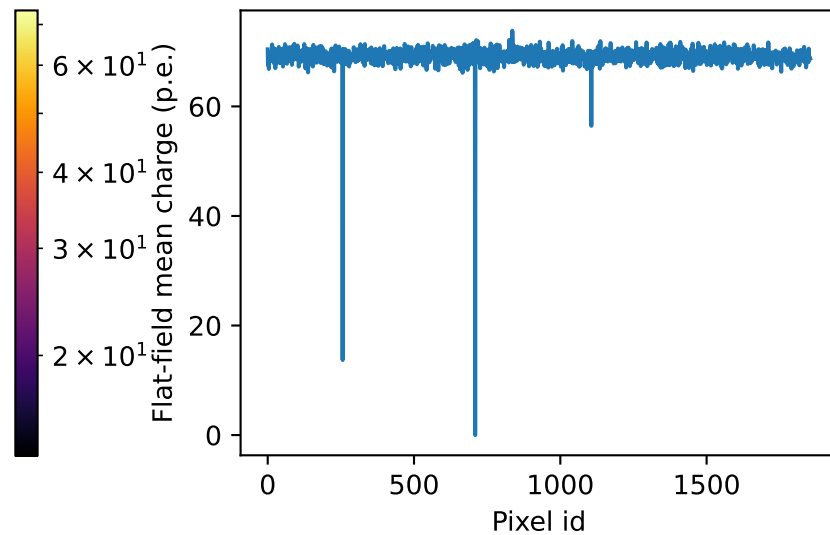
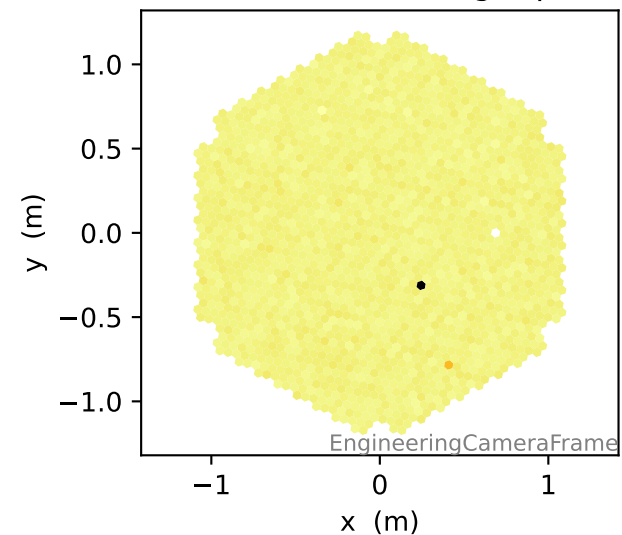


### Pedestal charge std dev (p.e.)

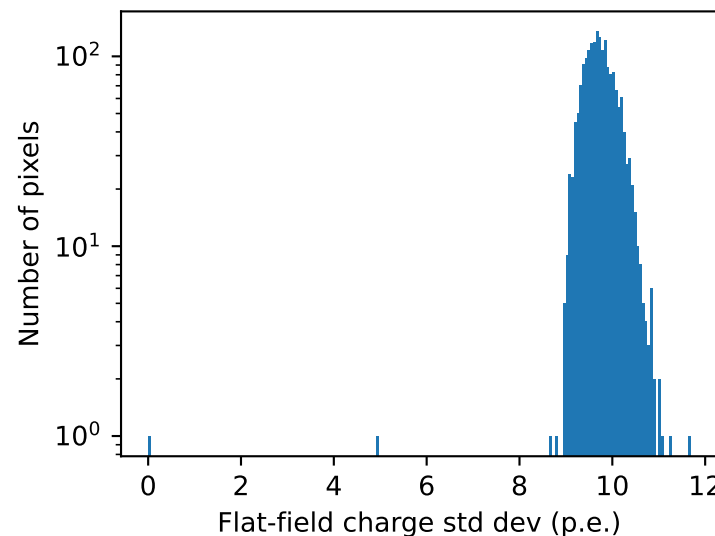
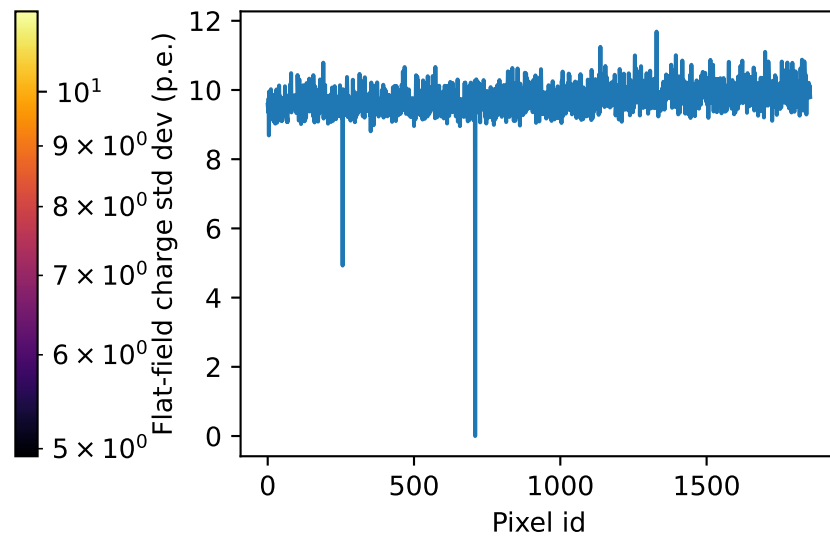
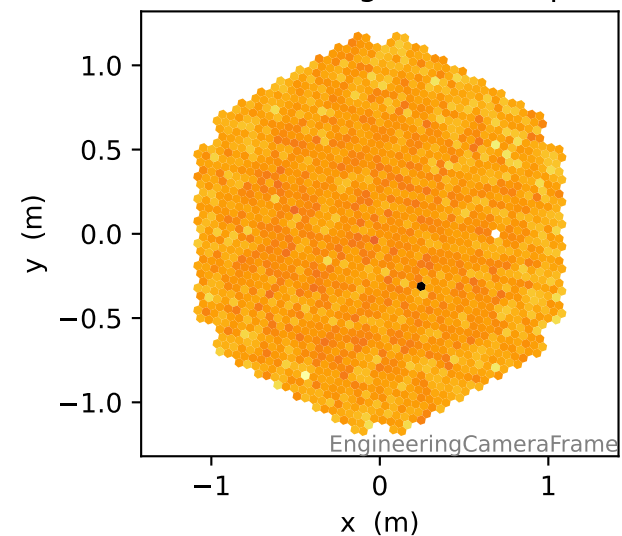


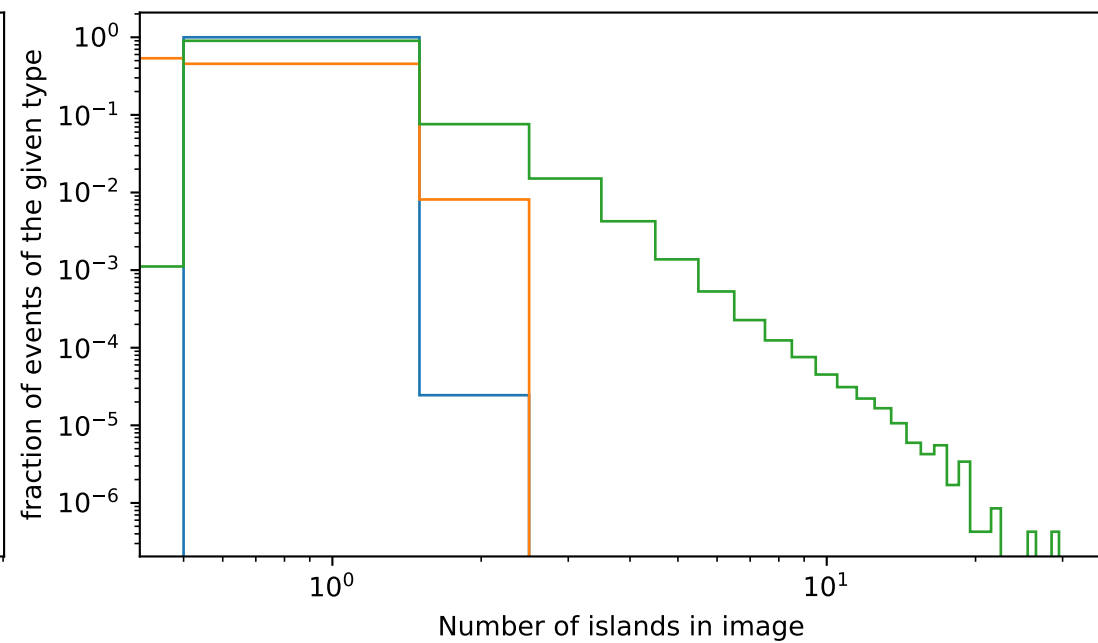
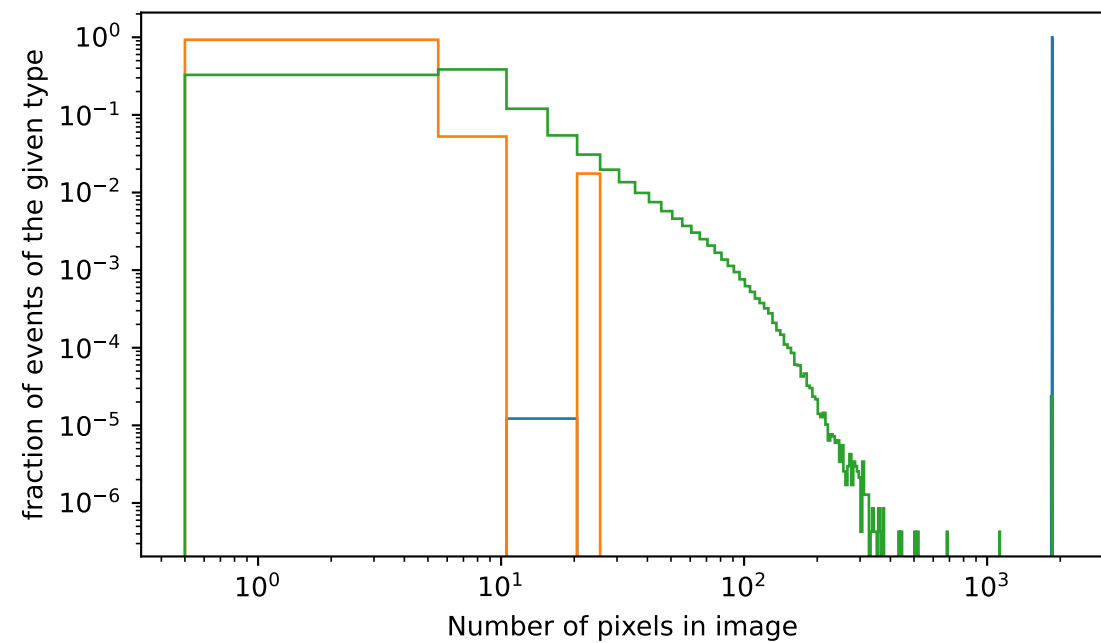
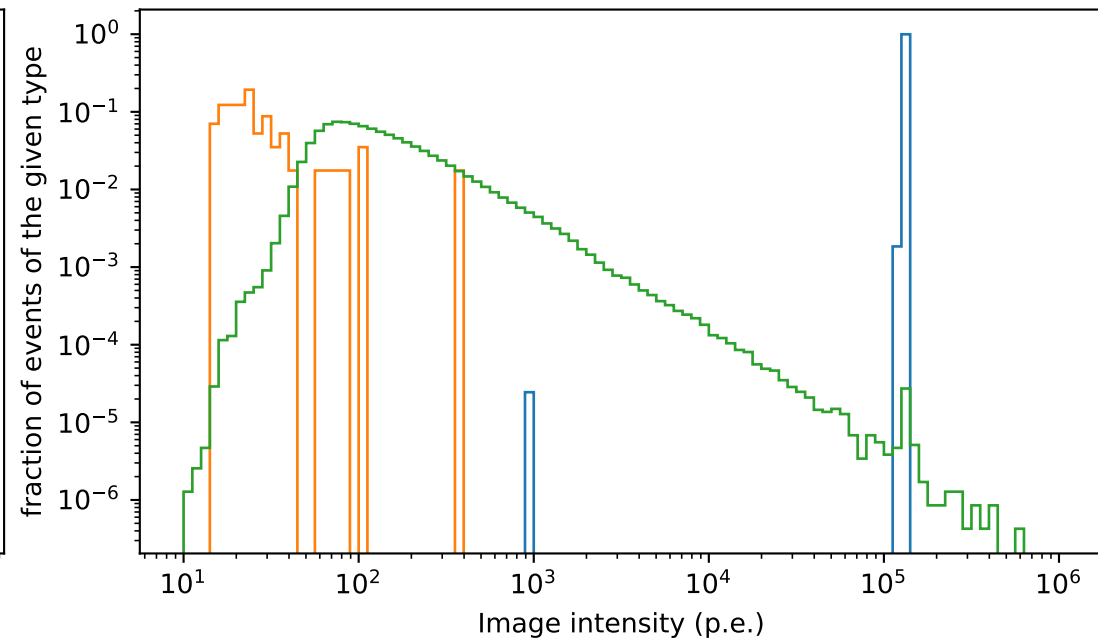
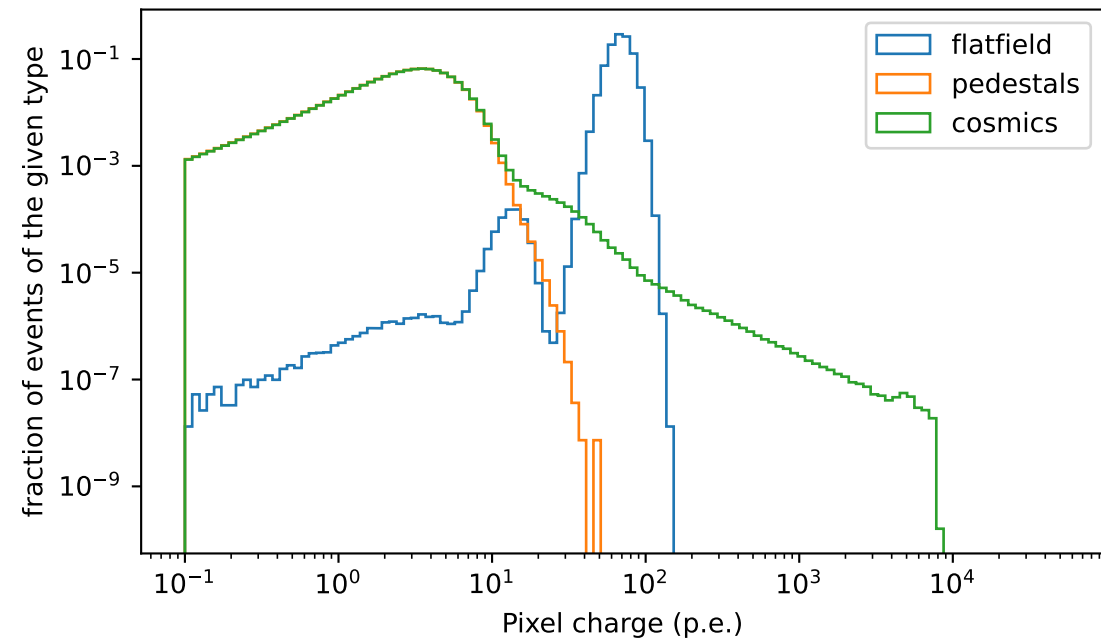
# FLATFIELD, pixel-wise charge info

### Flat-field mean charge (p.e.)



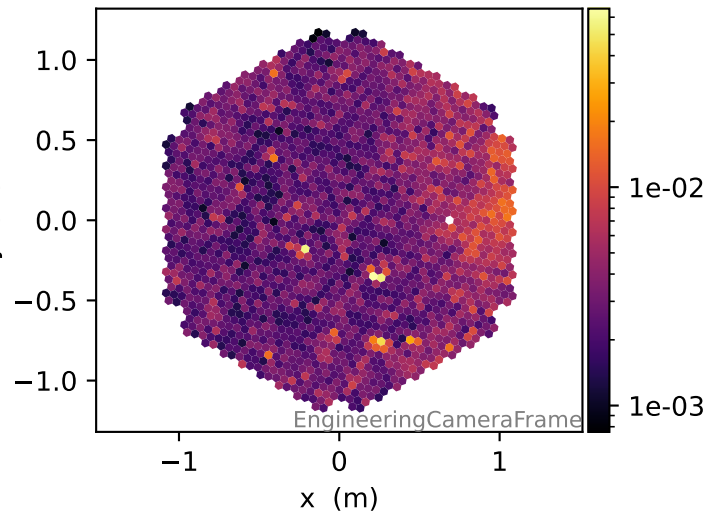
### Flat-field charge std dev (p.e.)



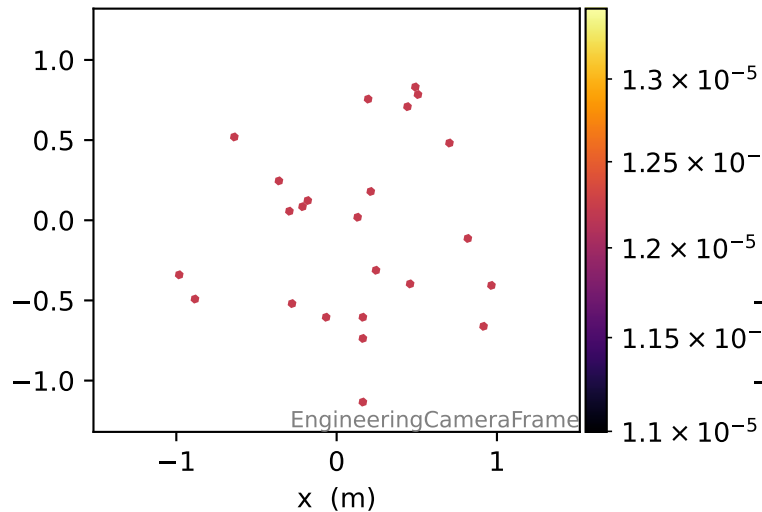


# PEDESTALS, relative frequency of pixel charges

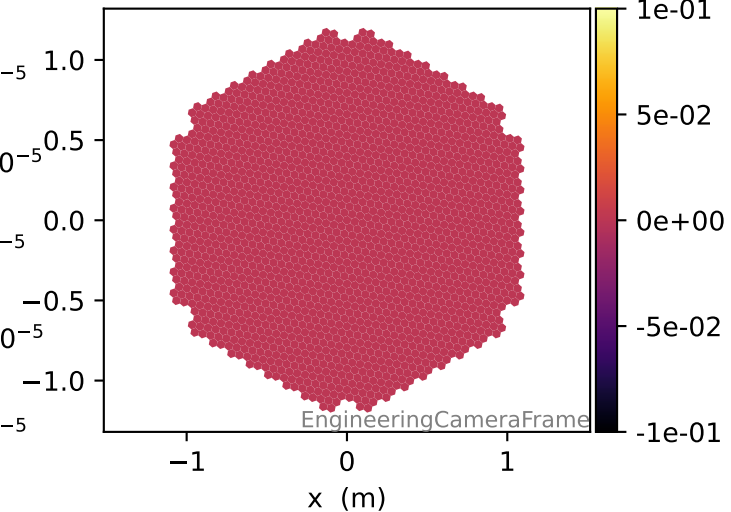
Fraction of >10 p.e. pulses



Fraction of >30 p.e. pulses



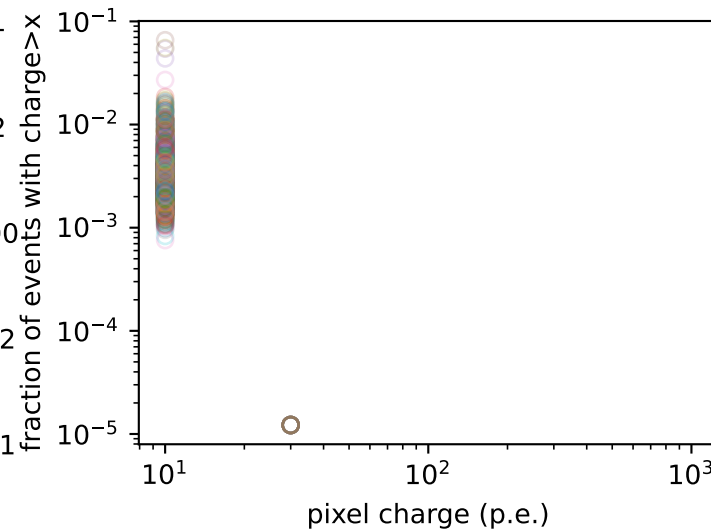
Fraction of >100 p.e. pulses



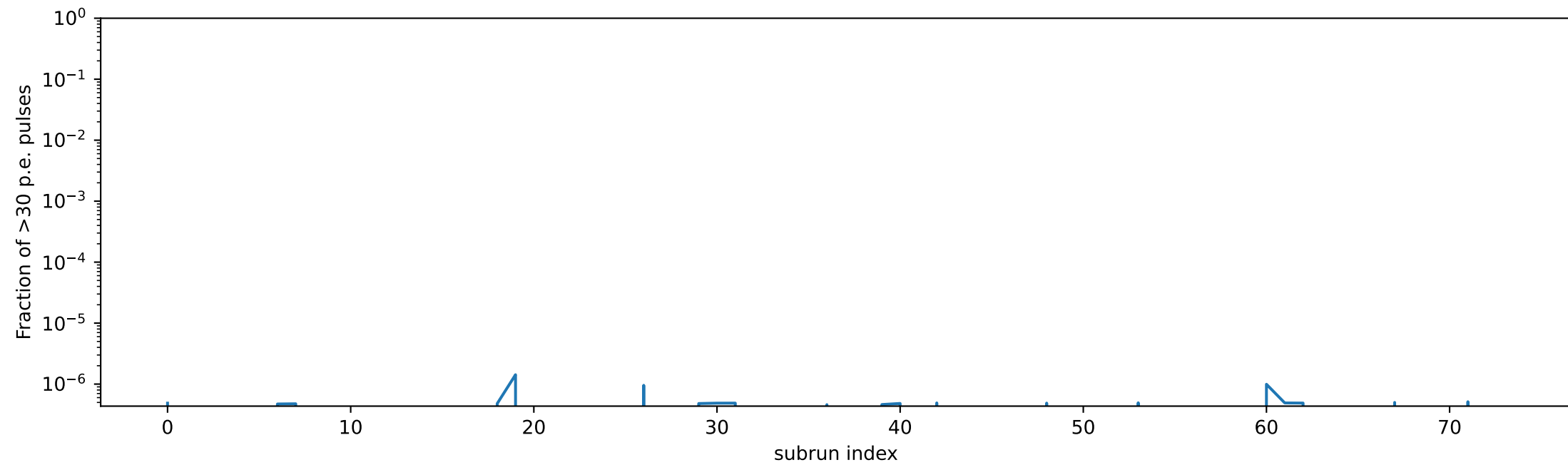
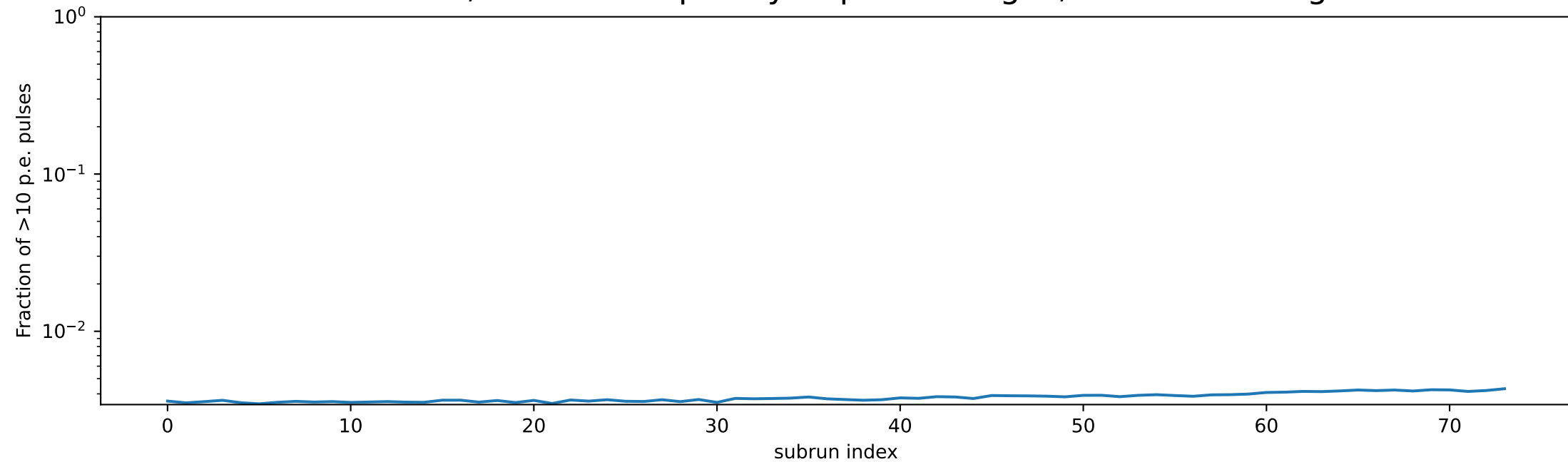
Fraction of >300 p.e. pulses



Fraction of >1000 p.e. pulses

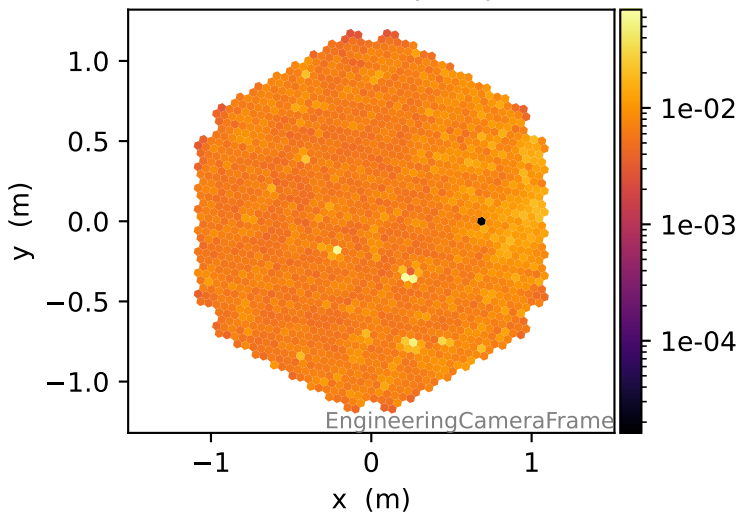


# PEDESTALS, relative frequency of pixel charges, camera averages

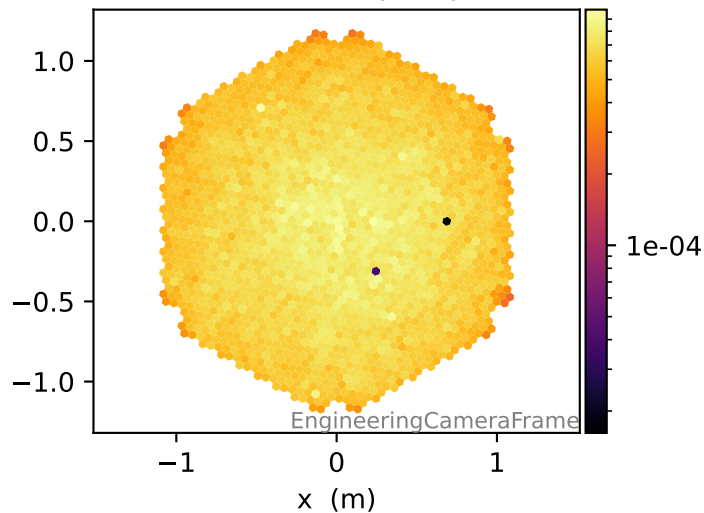


# COSMICS, relative frequency of pixel charges

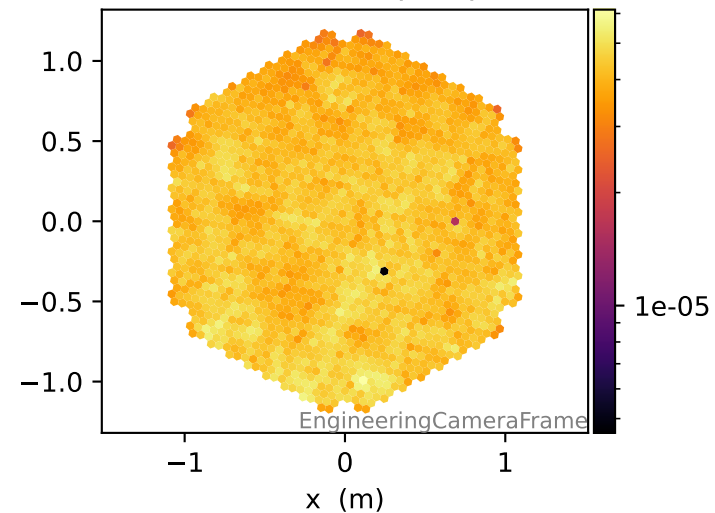
Fraction of  $>10$  p.e. pulses



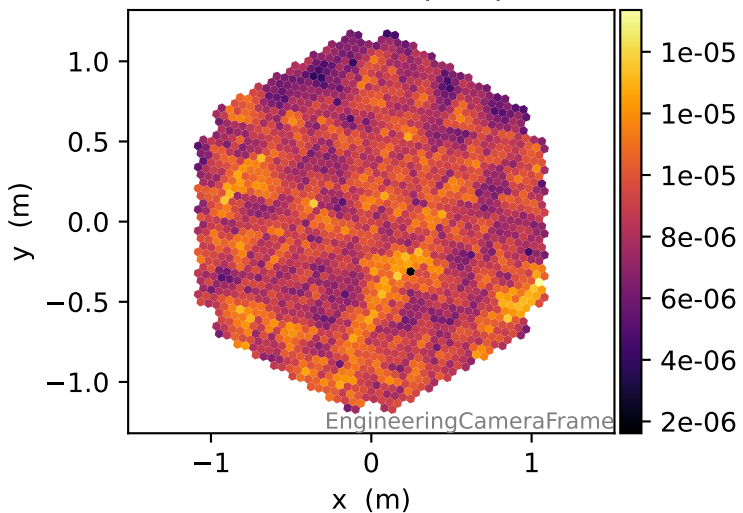
Fraction of  $>30$  p.e. pulses



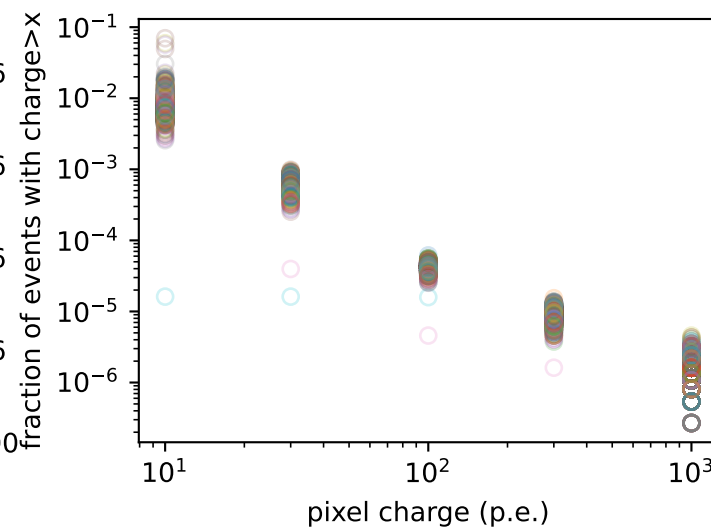
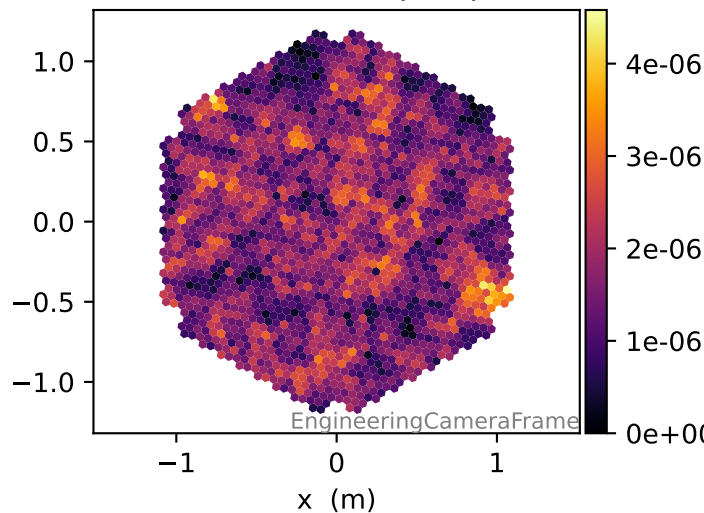
Fraction of  $>100$  p.e. pulses



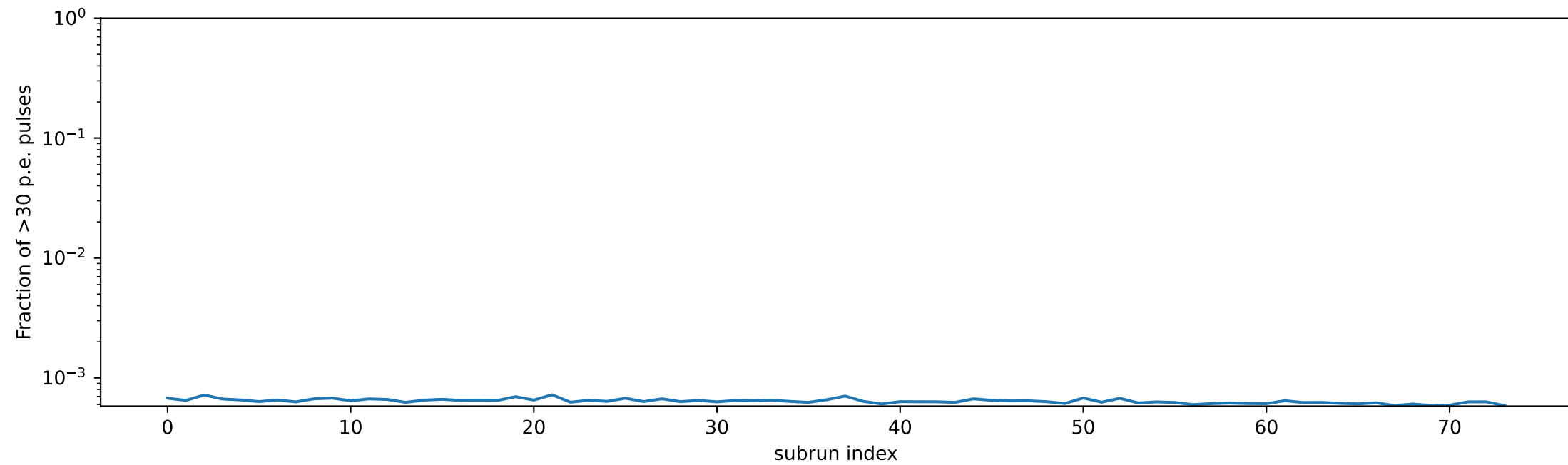
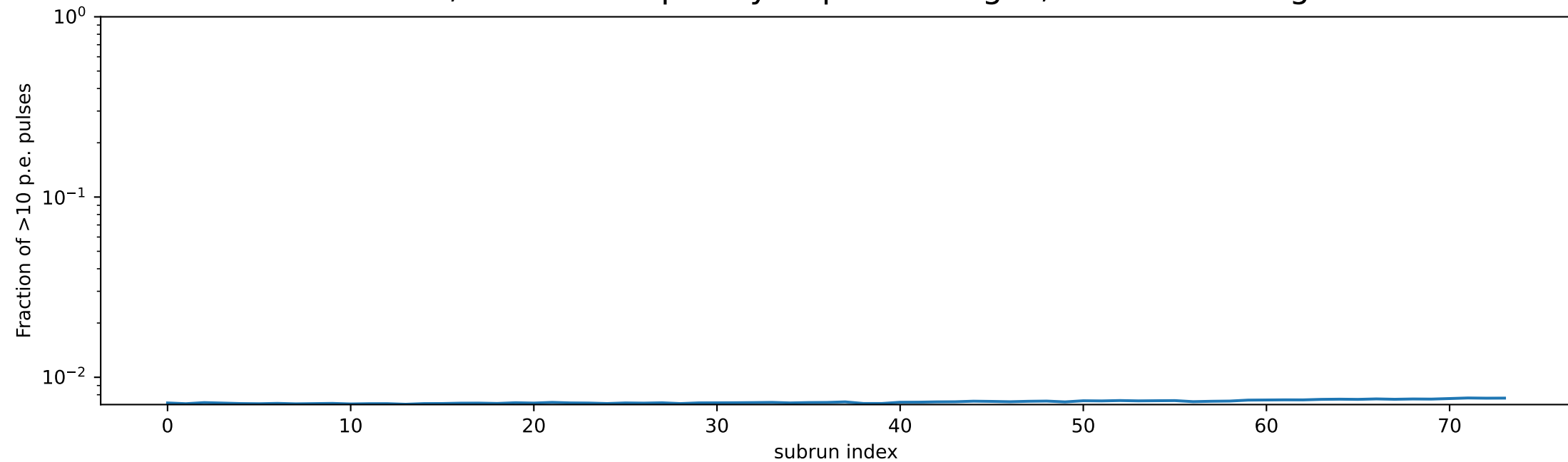
Fraction of  $>300$  p.e. pulses



Fraction of  $>1000$  p.e. pulses

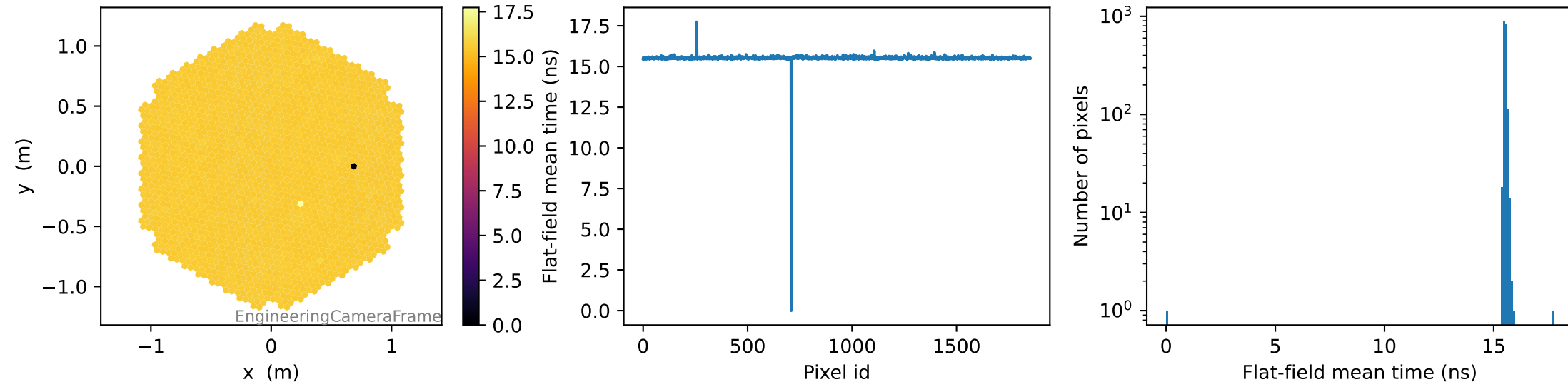


# COSMICS, relative frequency of pixel charges, camera averages

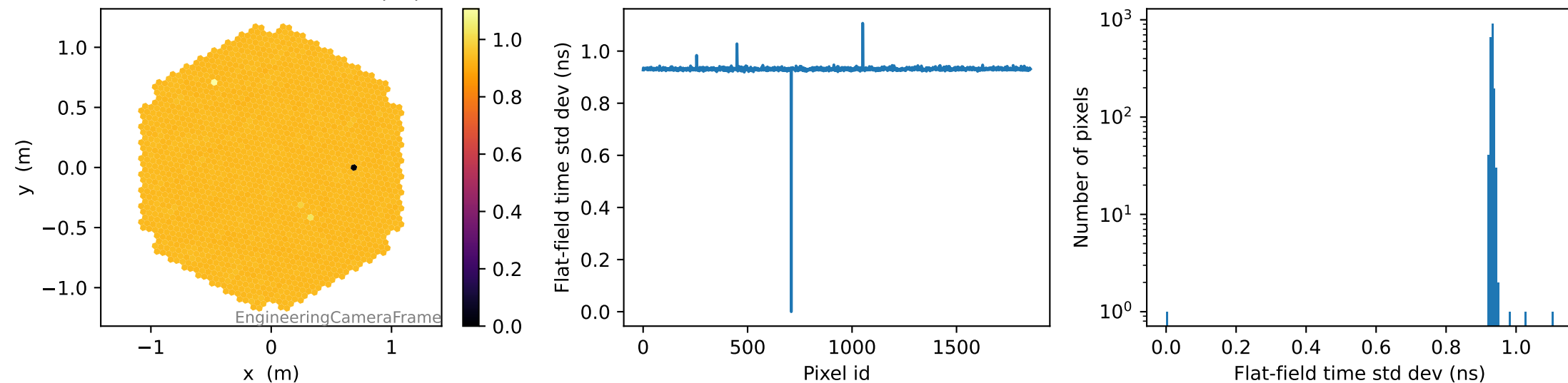


# FLATFIELD, pixel-wise pulse time info

## Flat-field mean time (ns)

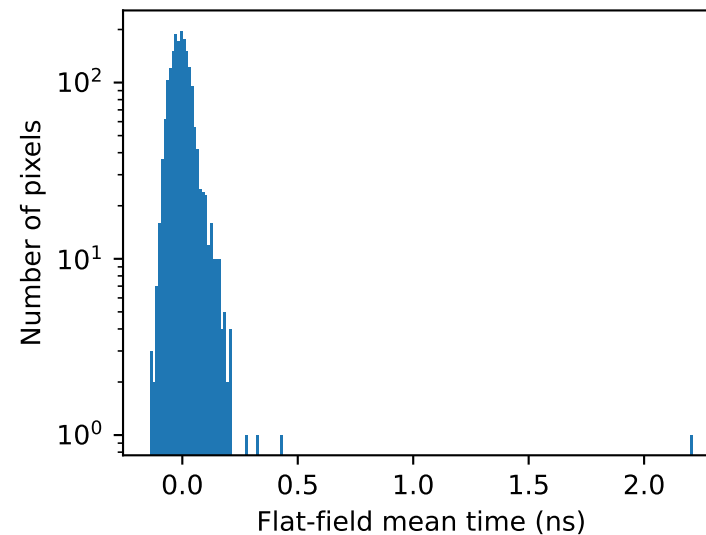
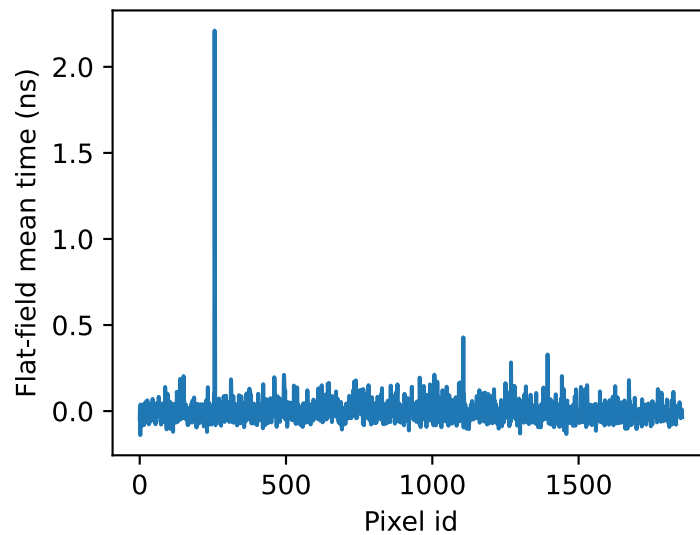
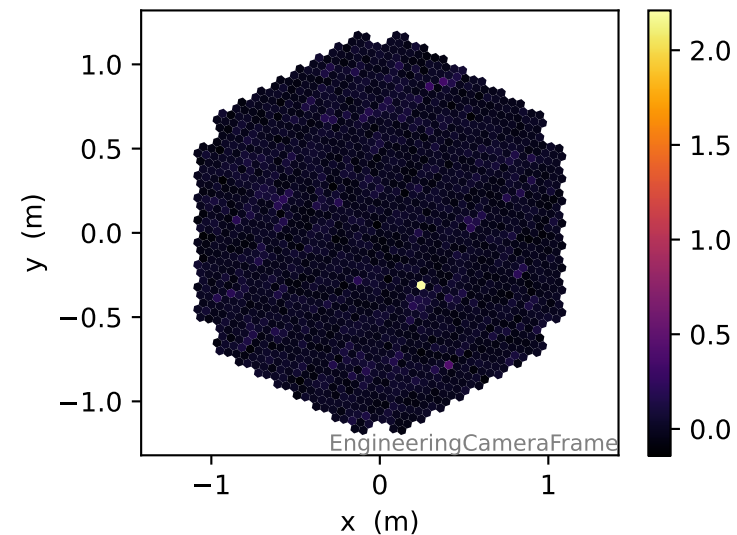


## Flat-field time std dev (ns)

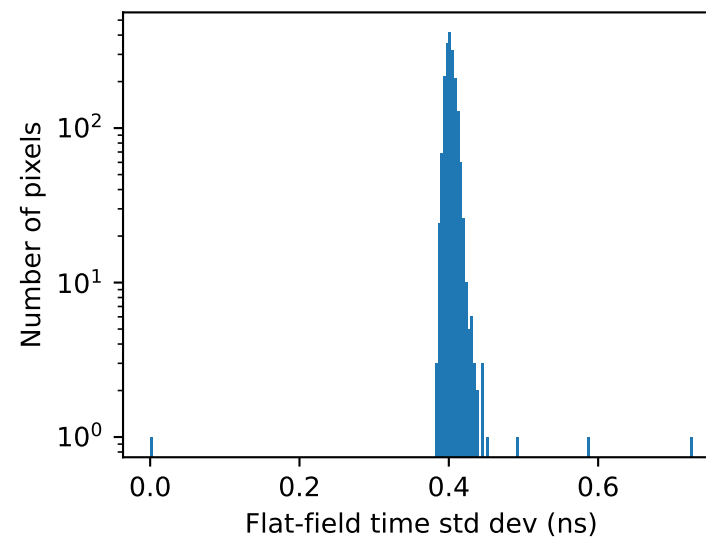
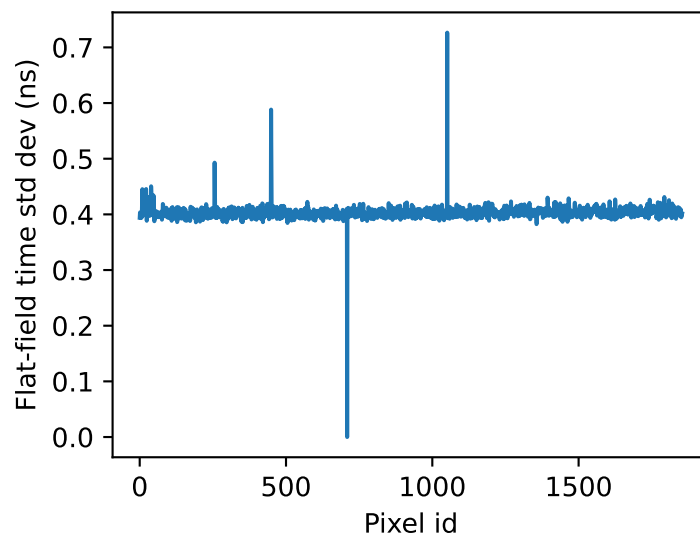
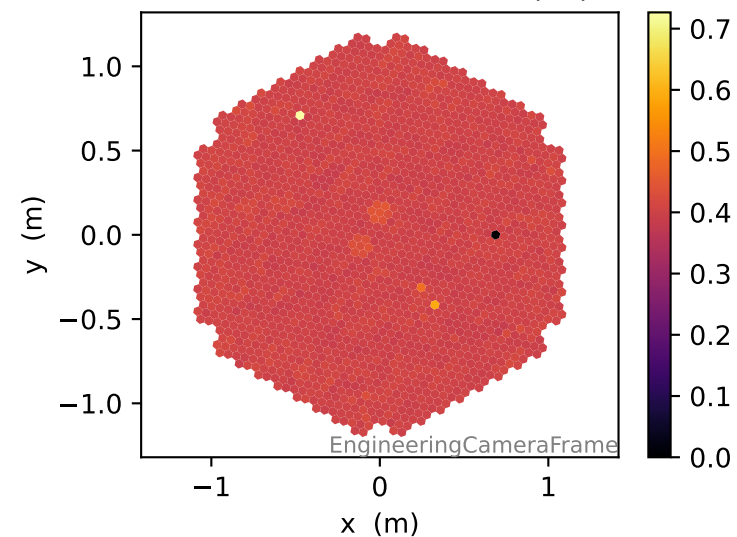


# FLATFIELD, pixel-wise pulse time relative to camera mean

### Flat-field mean time (ns)

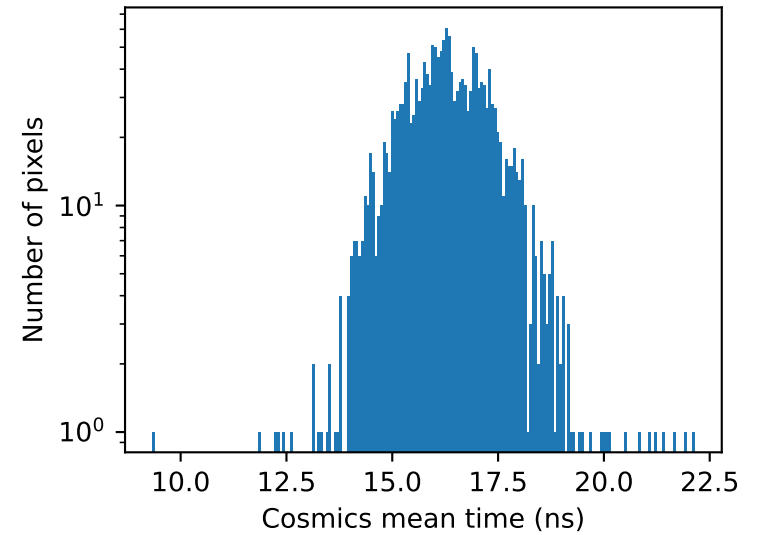
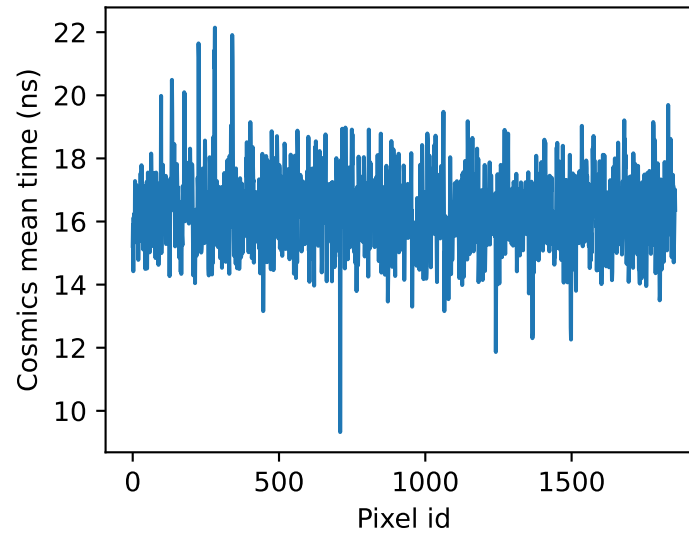
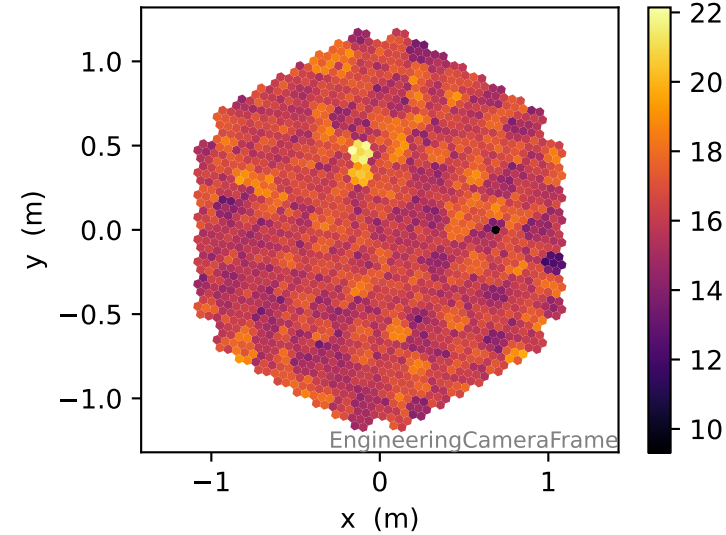


### Flat-field time std dev (ns)

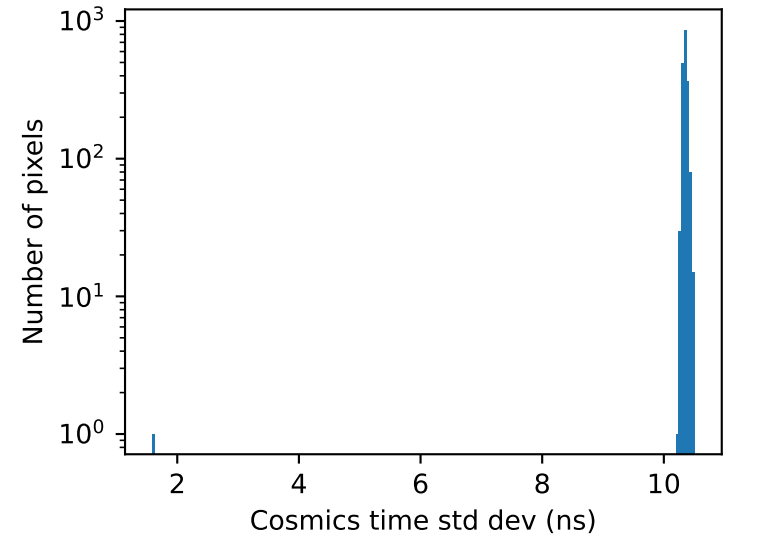
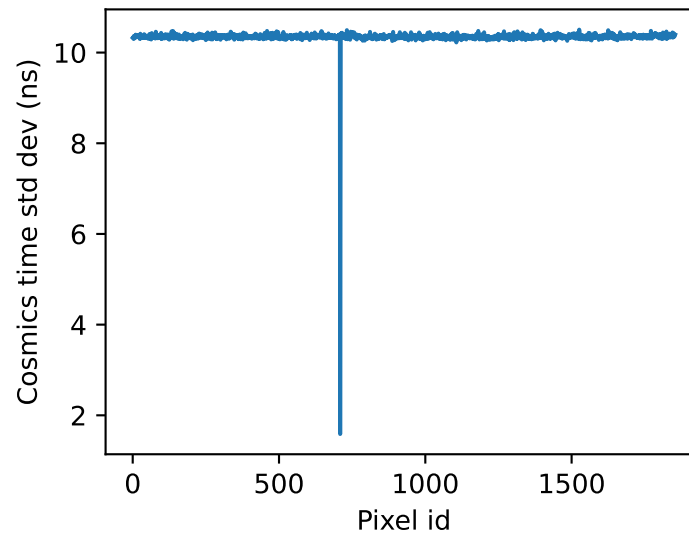
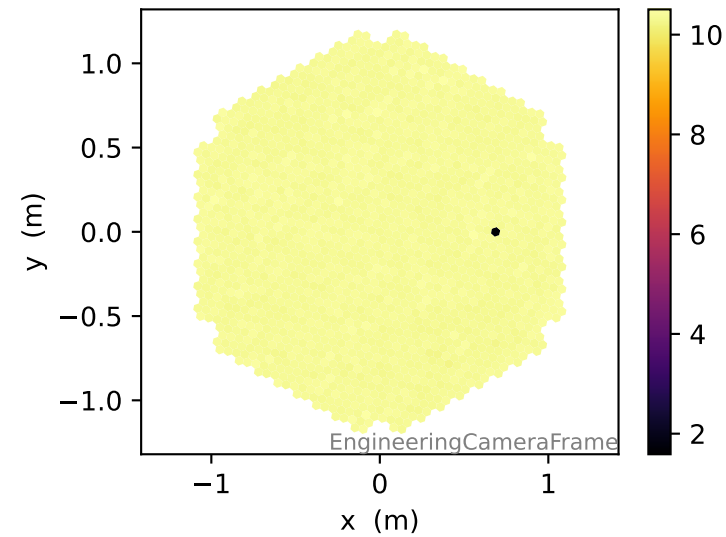


# COSMICS, pixel-wise pulse time info for pixel charge > 1 p.e.

### Cosmics mean time (ns)



### Cosmics time std dev (ns)



# COSMICS, image c.o.g. position

Image c.o.g.

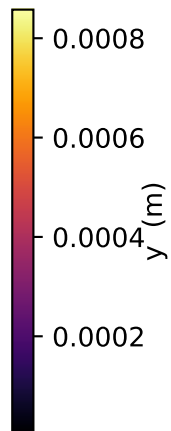
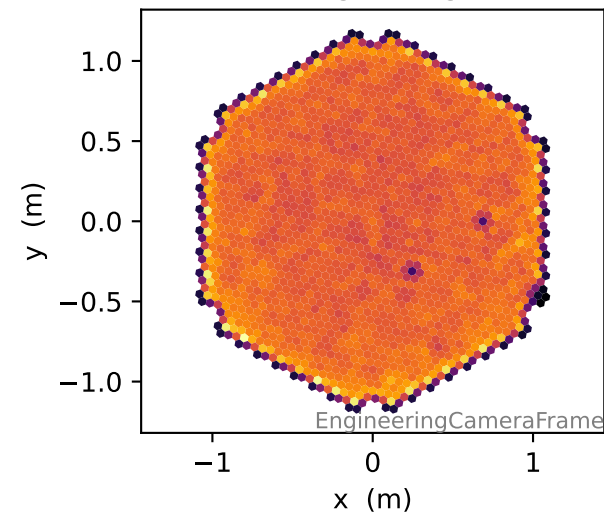
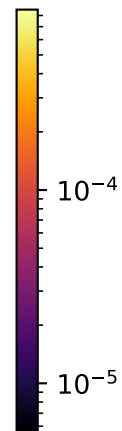
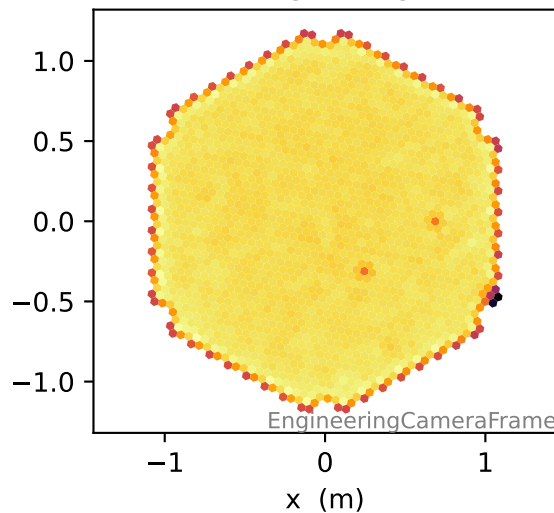


Image c.o.g.



# of pixels (excluding edge pixels)

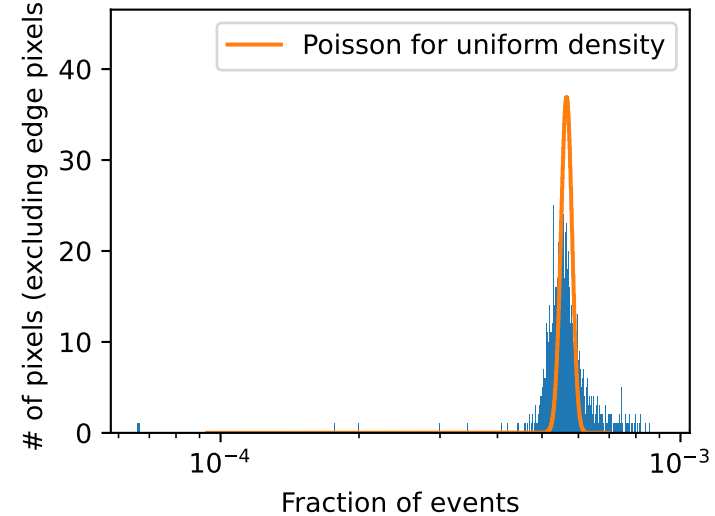


Image c.o.g., intensity > 200pe

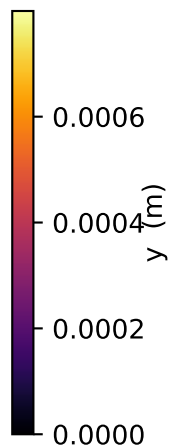
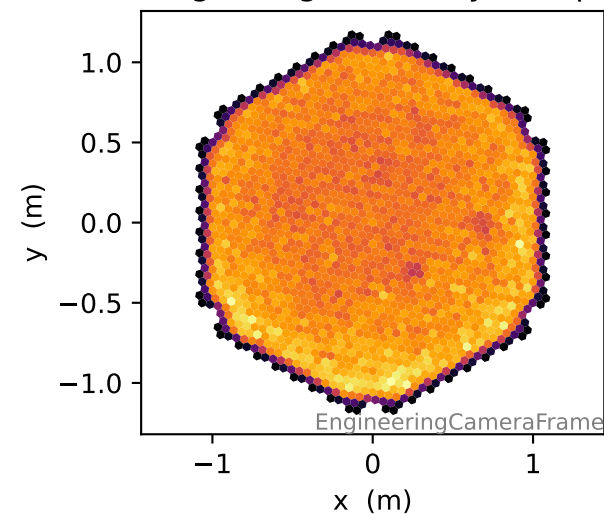
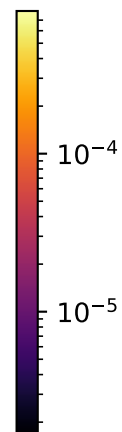
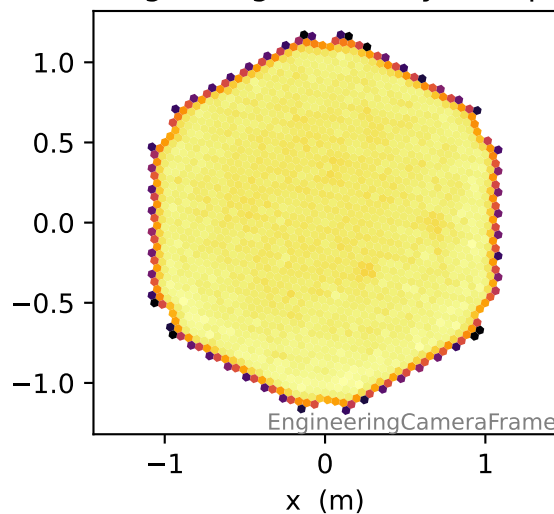
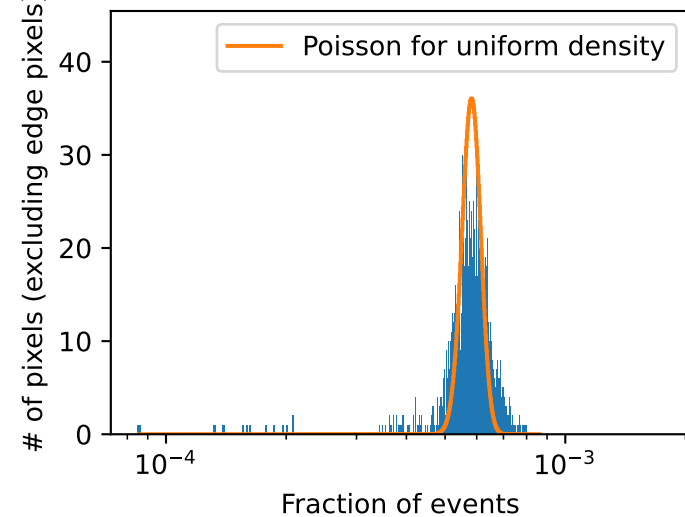


Image c.o.g., intensity > 200pe

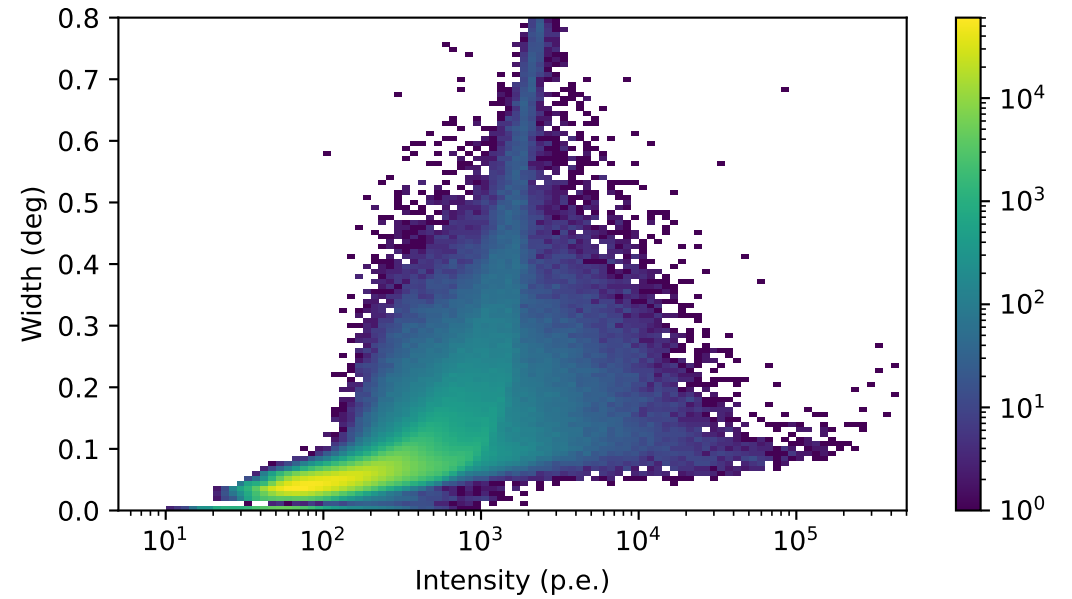
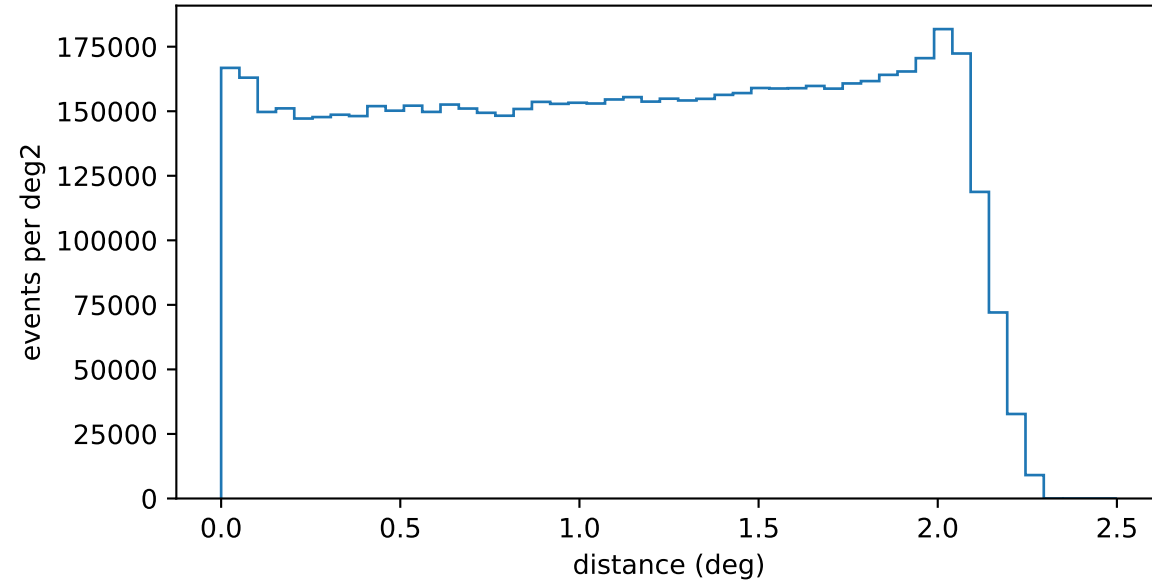


# of pixels (excluding edge pixels)

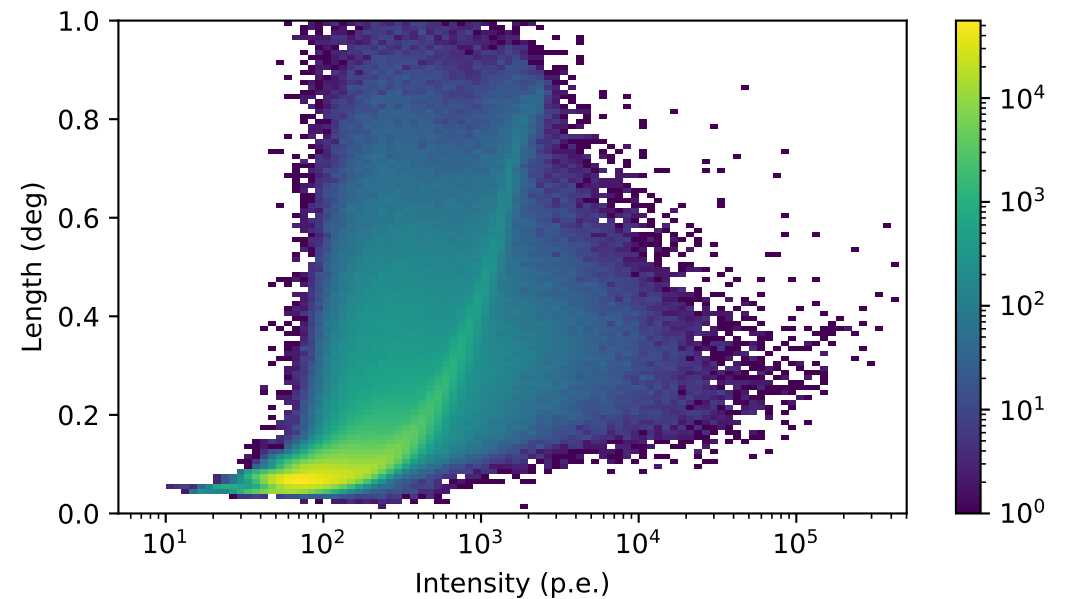
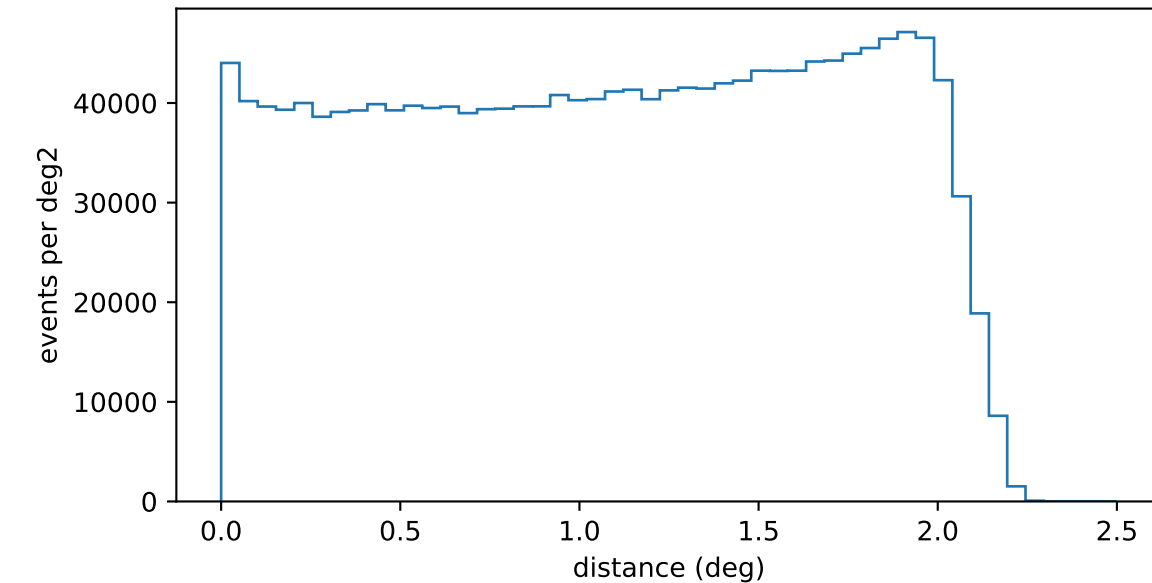


# COSMICS, image parameters

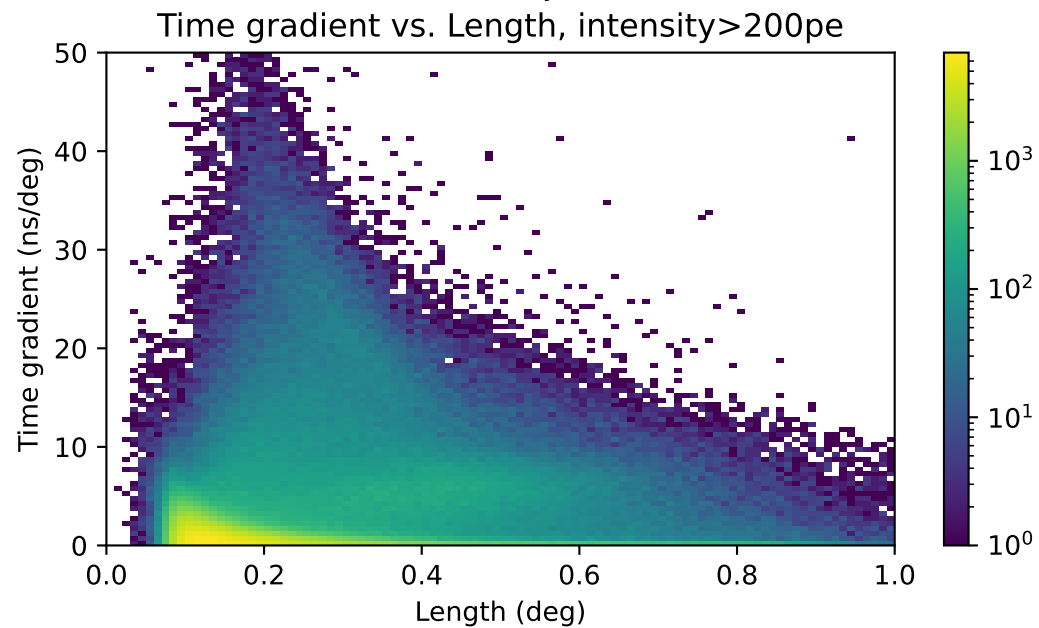
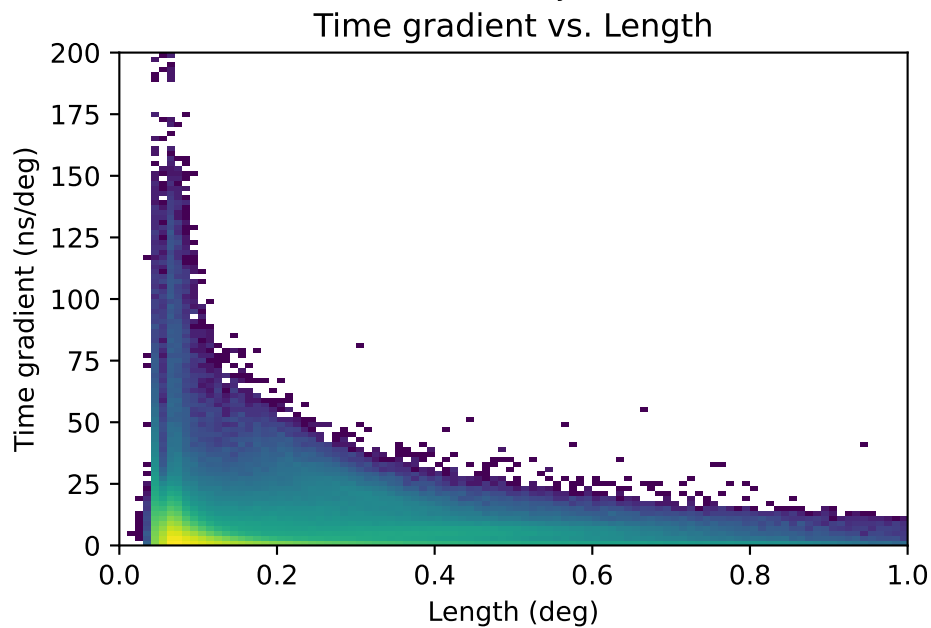
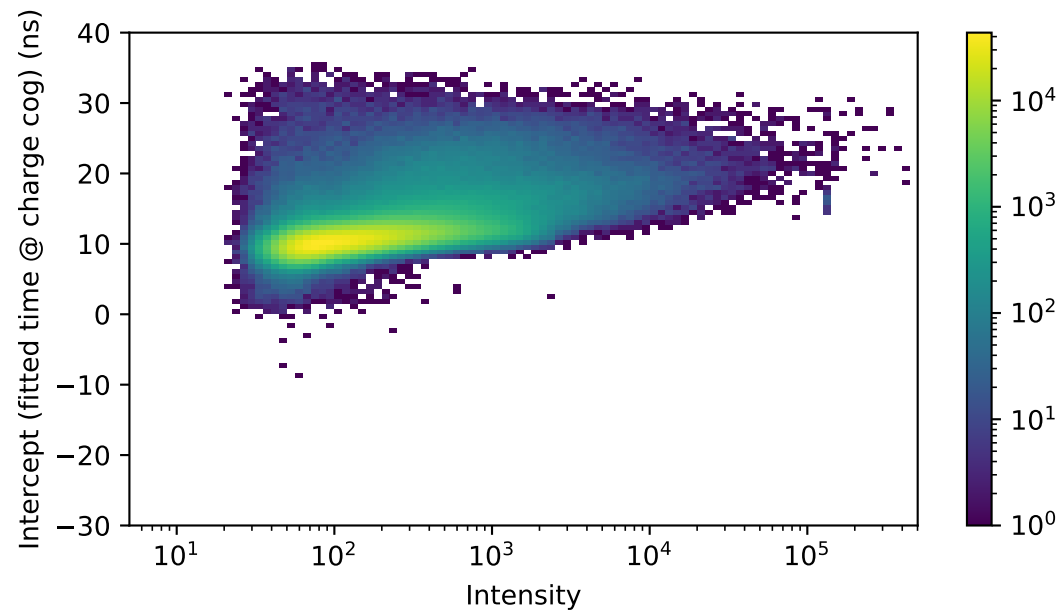
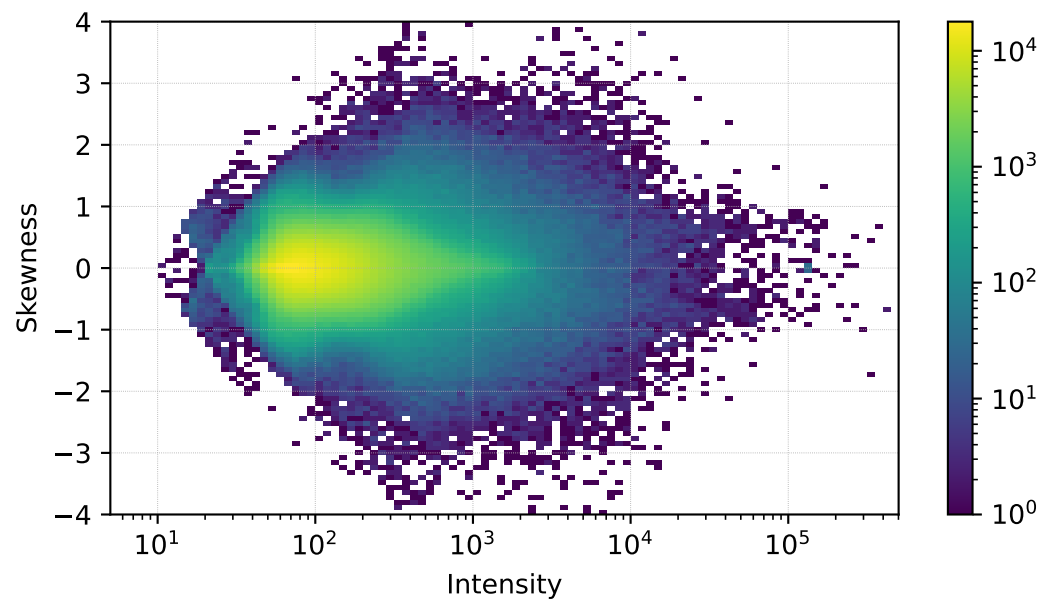
## cog radial distribution



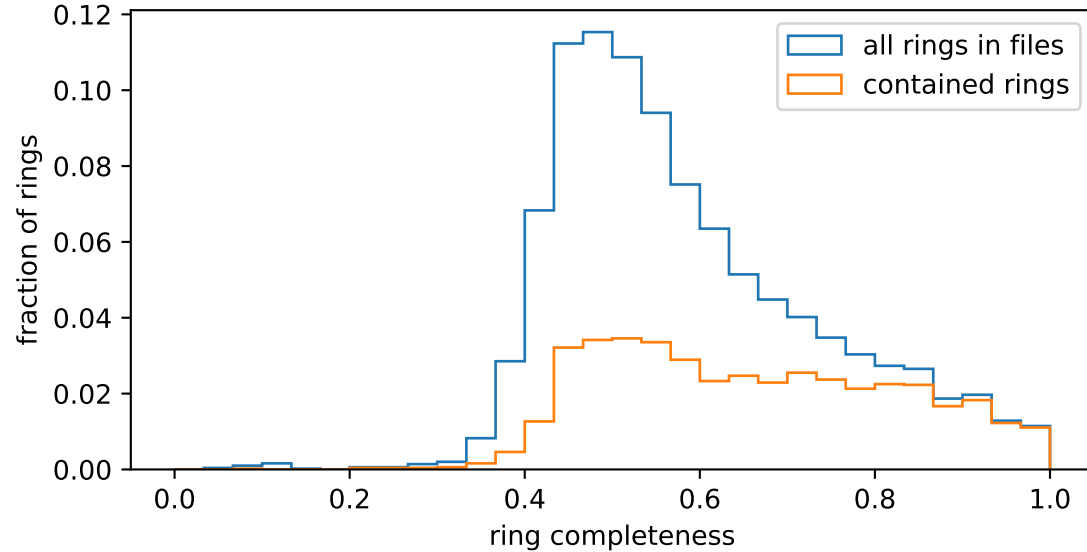
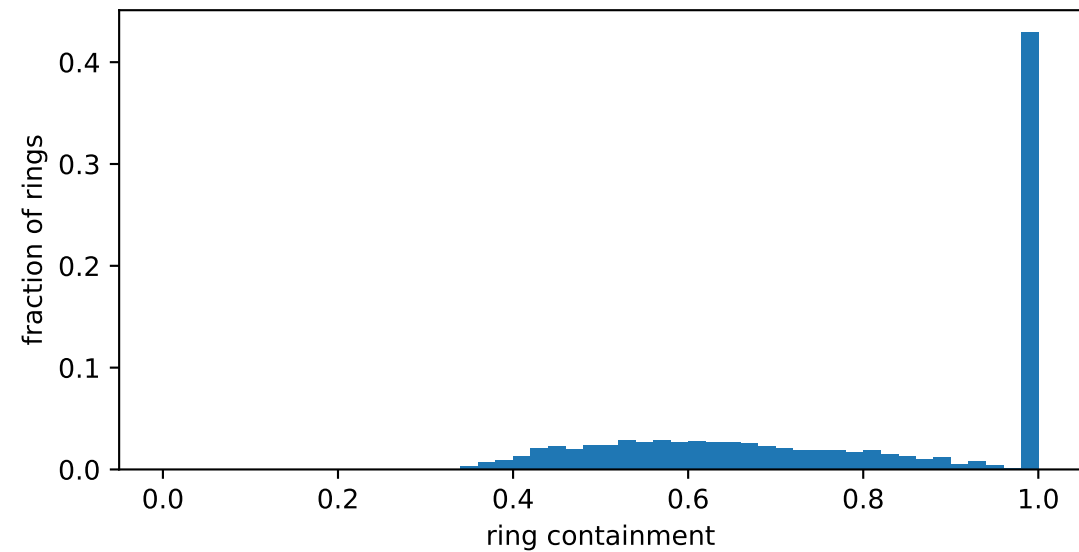
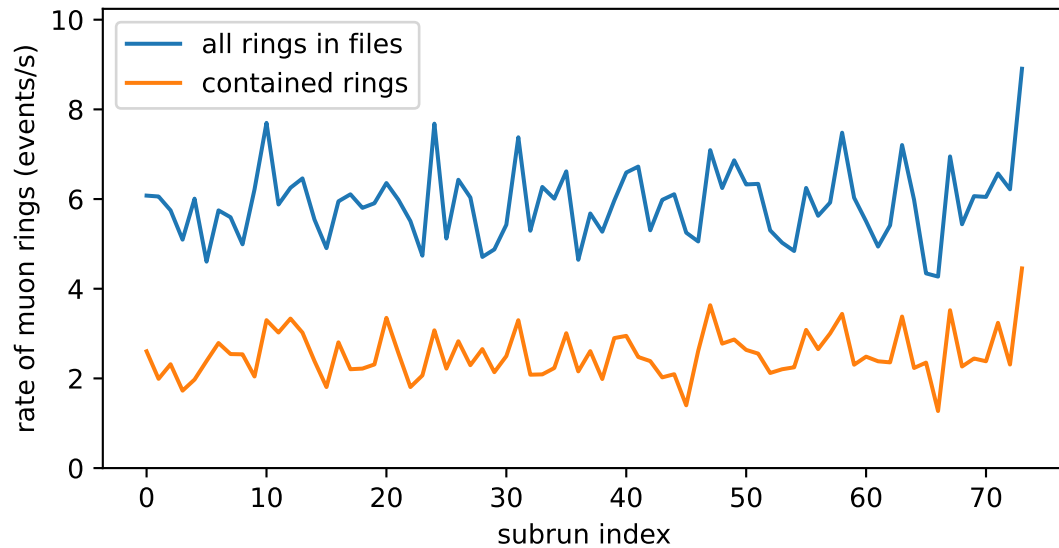
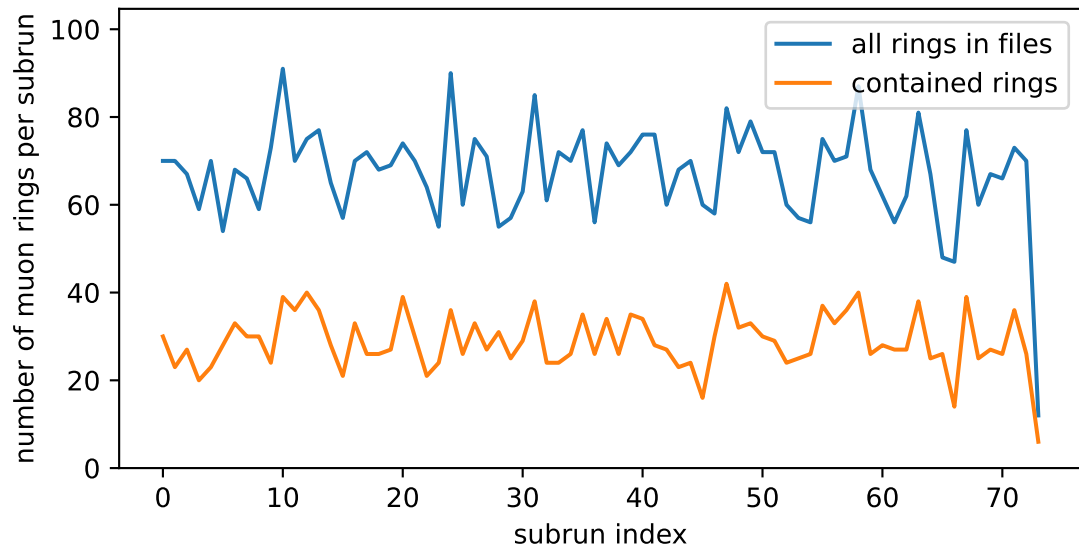
## cog radial distribution, intensity > 200pe



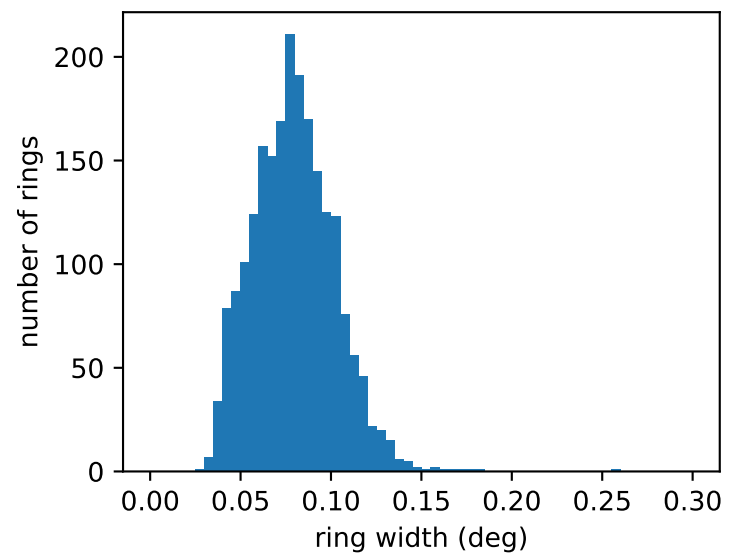
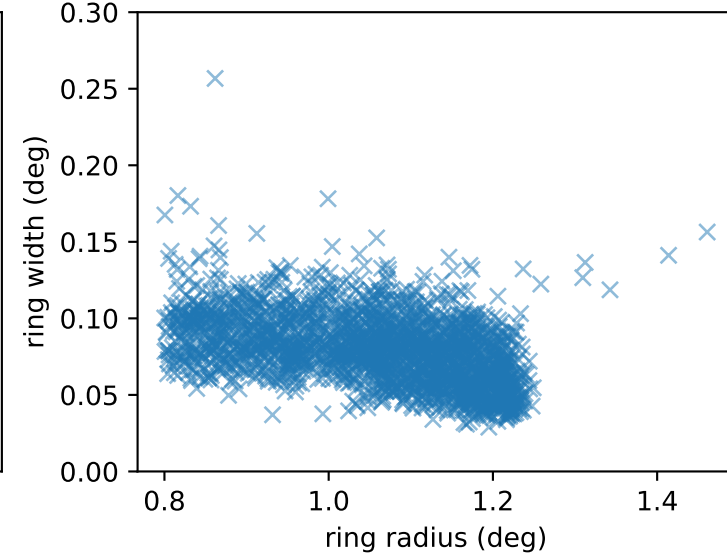
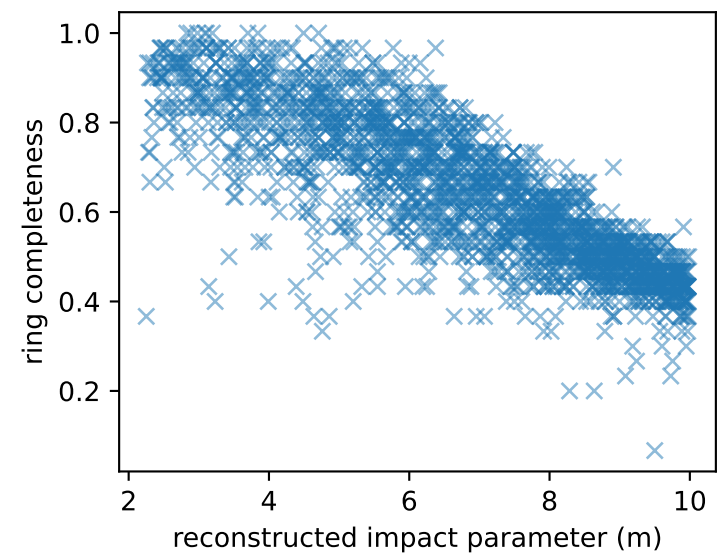
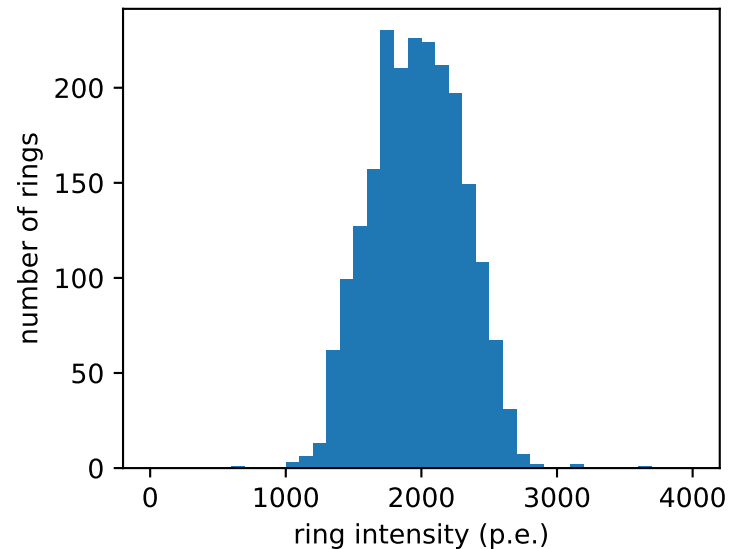
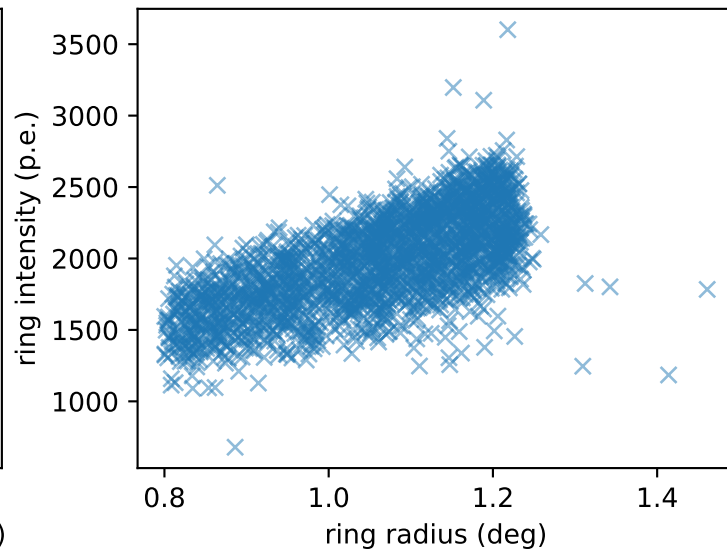
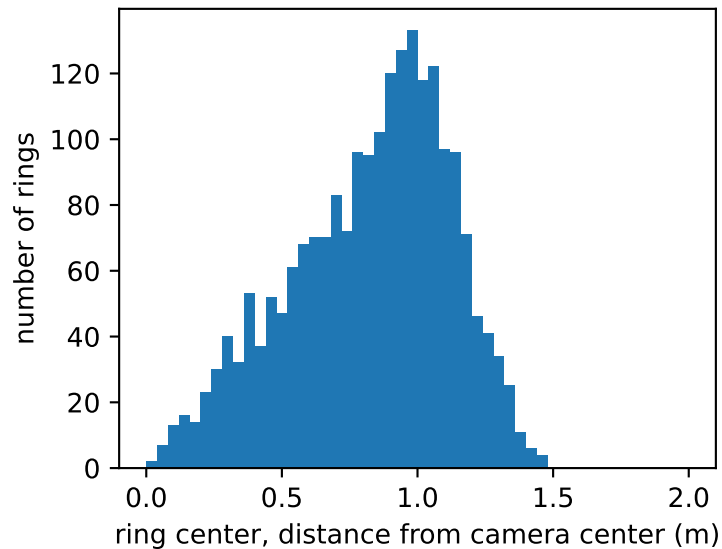
# COSMICS, image parameters



# MUON RINGS



# MUON RINGS with containment = 1



# MUON RINGS with containment = 1

