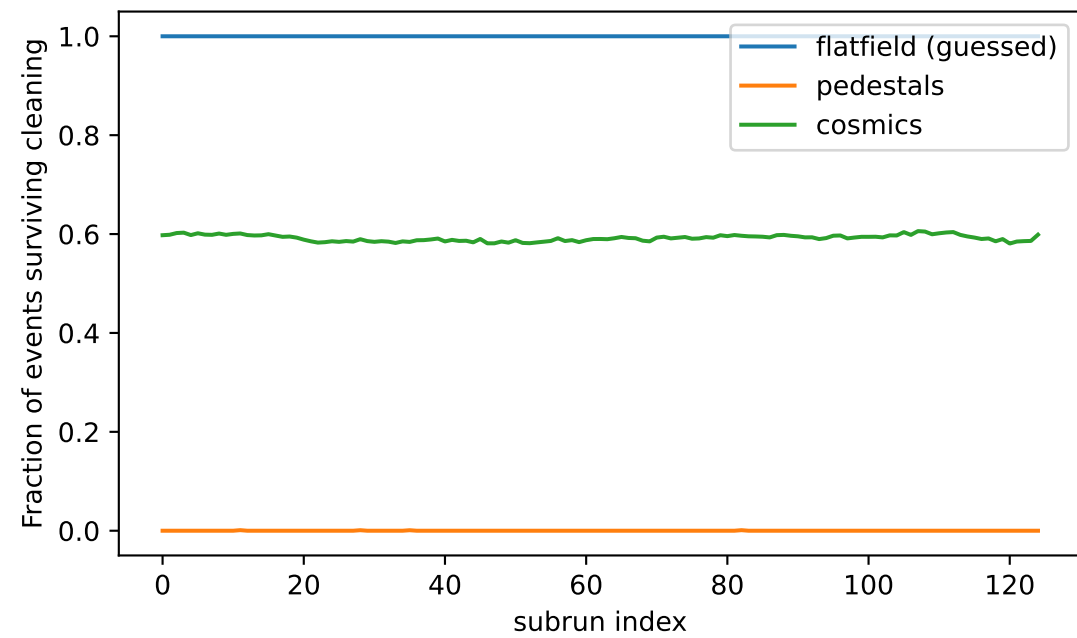
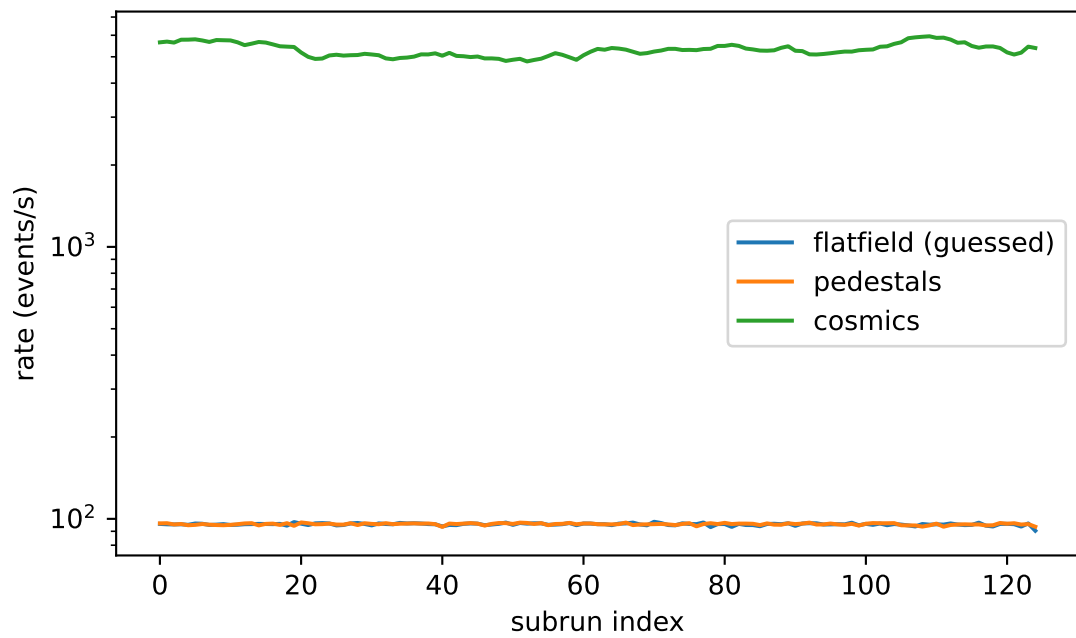
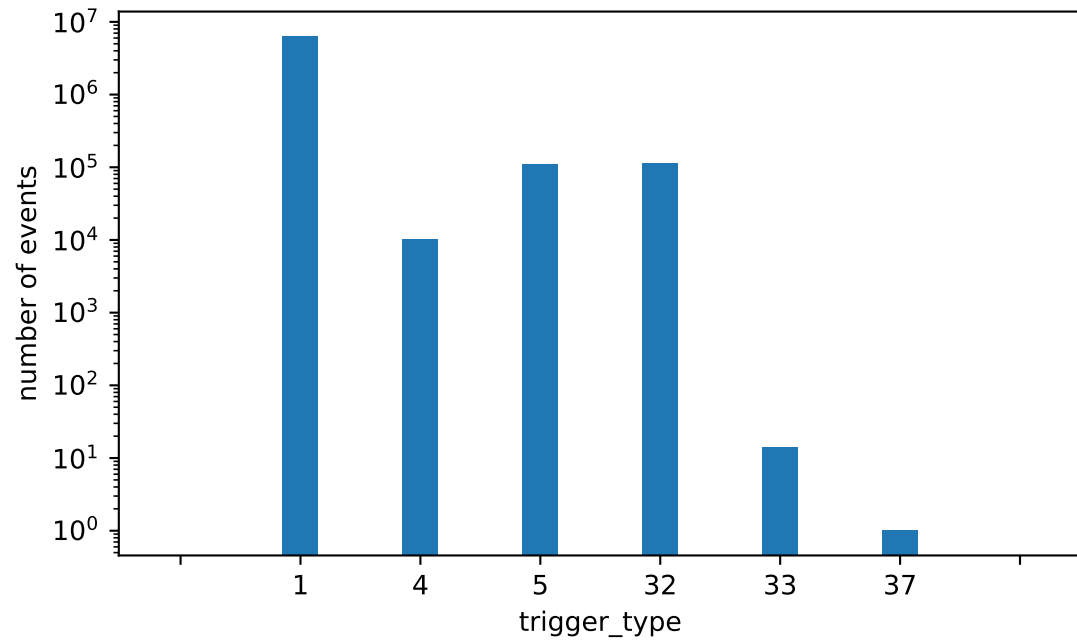
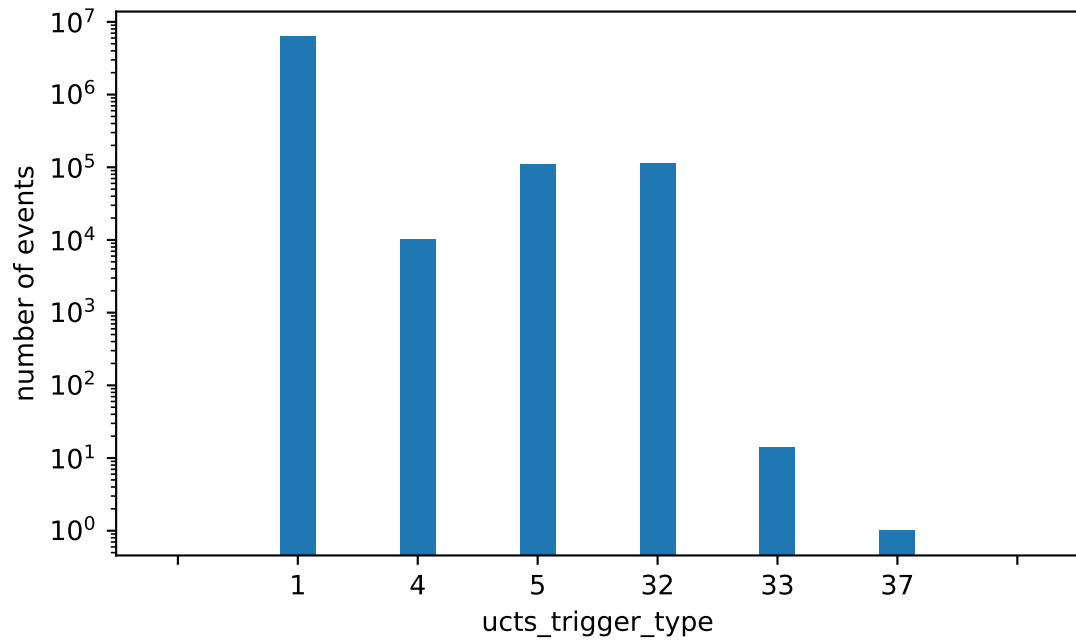
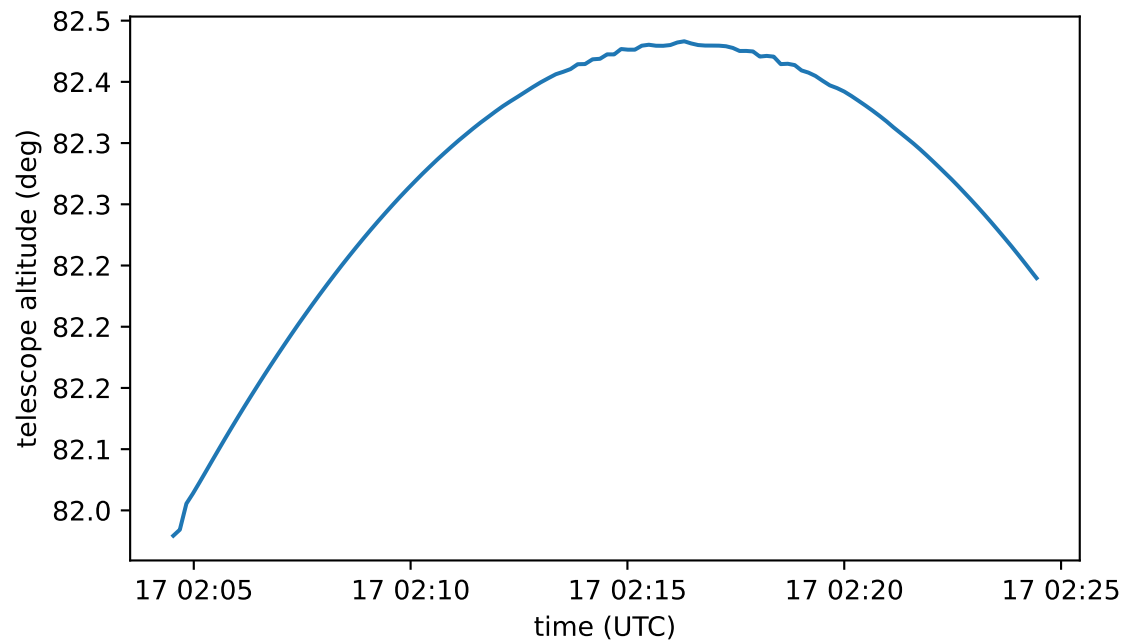
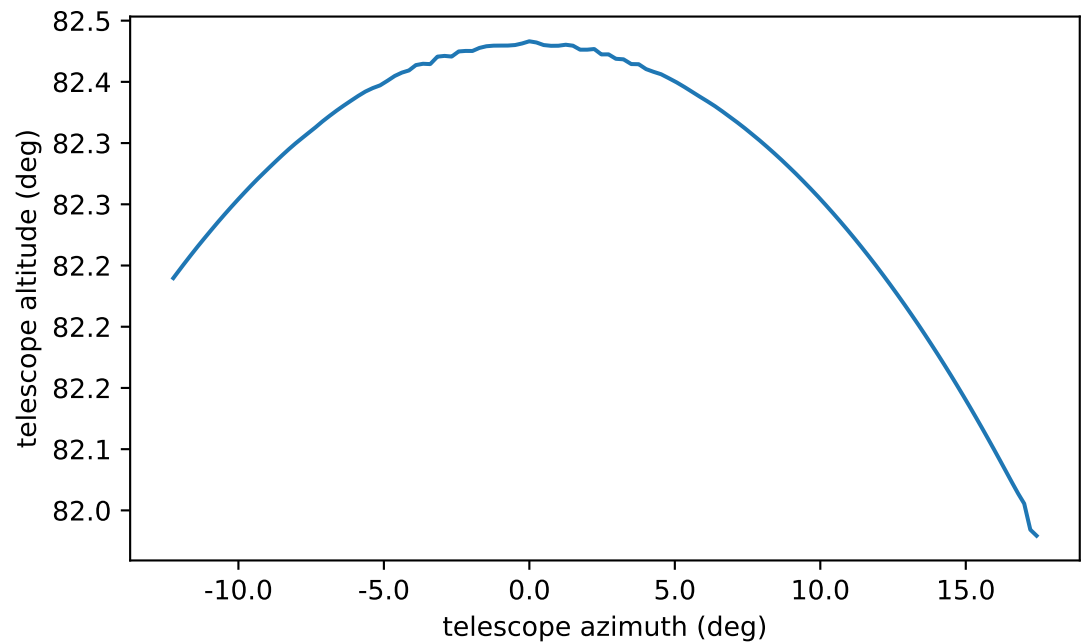
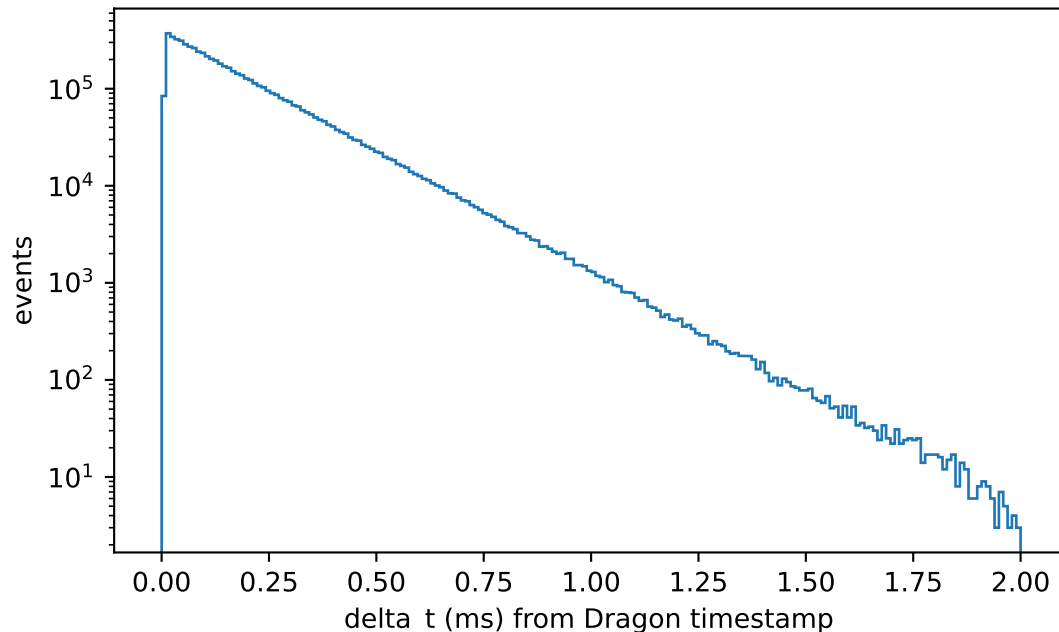
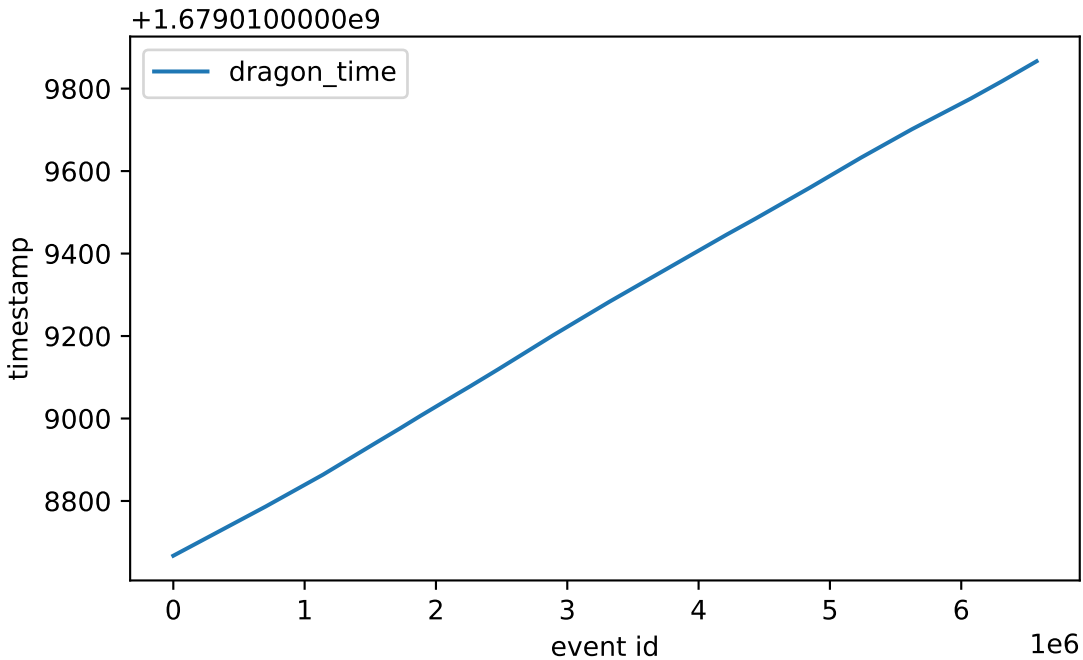


datacheck\_dl1\_LST-1.Run12215.h5

First shower event UTC:

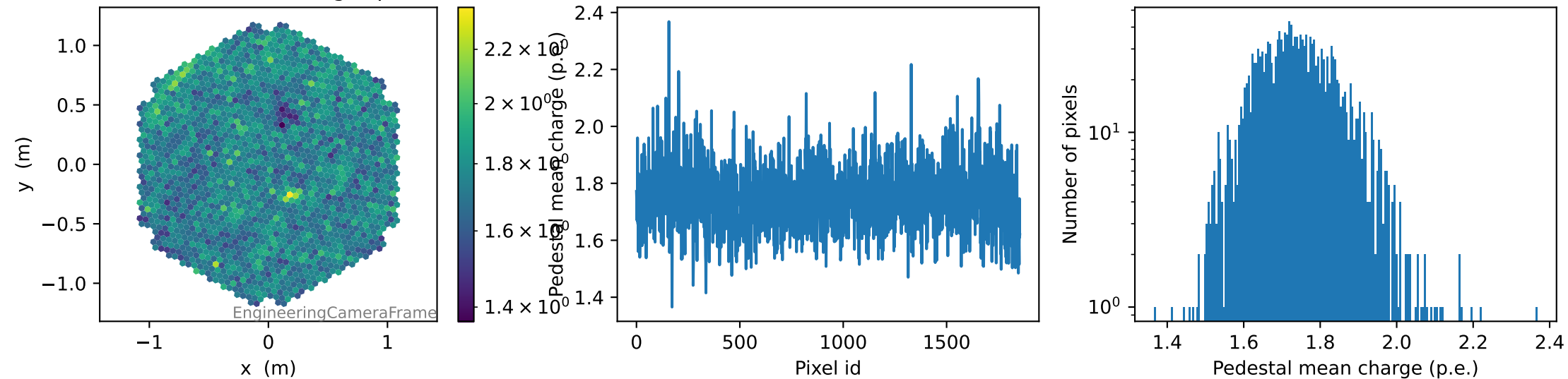
(from Dragon time): 2023-03-17 02:04:27.232105



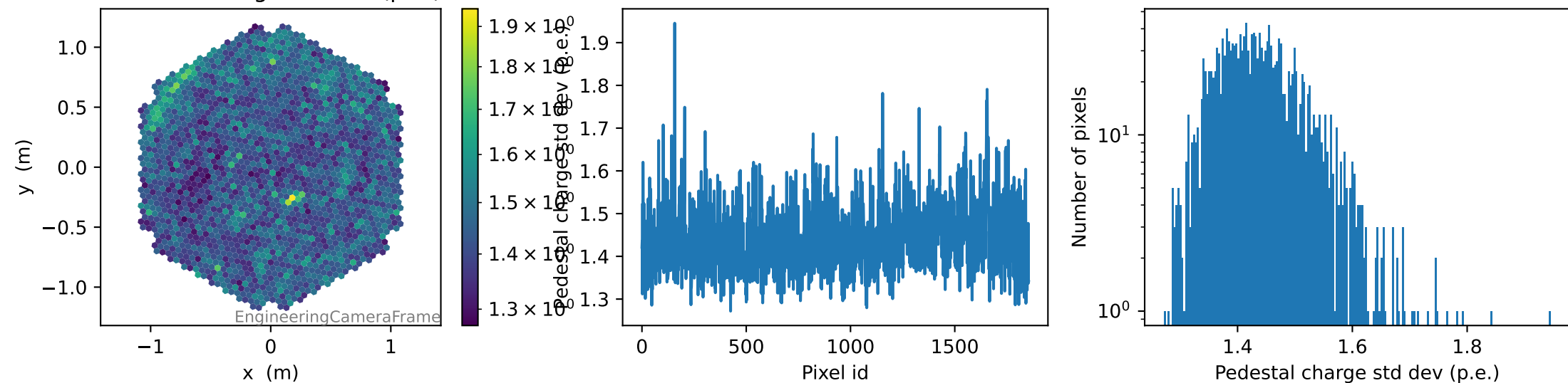


# PEDESTALS, pixel-wise charge info

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

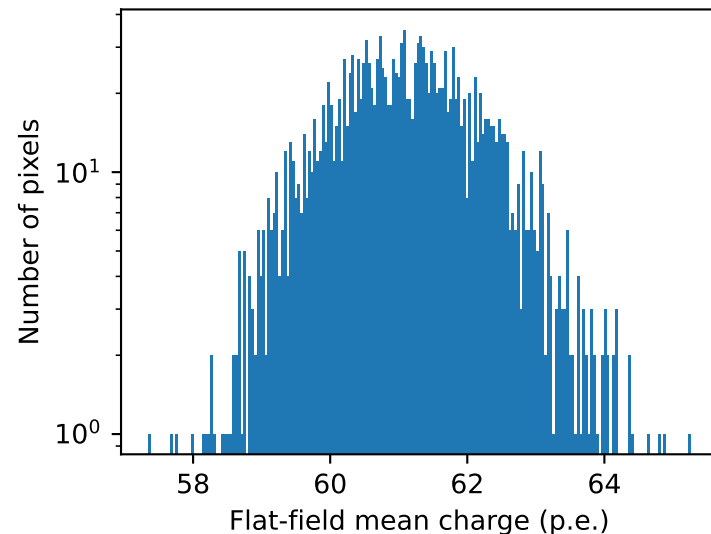
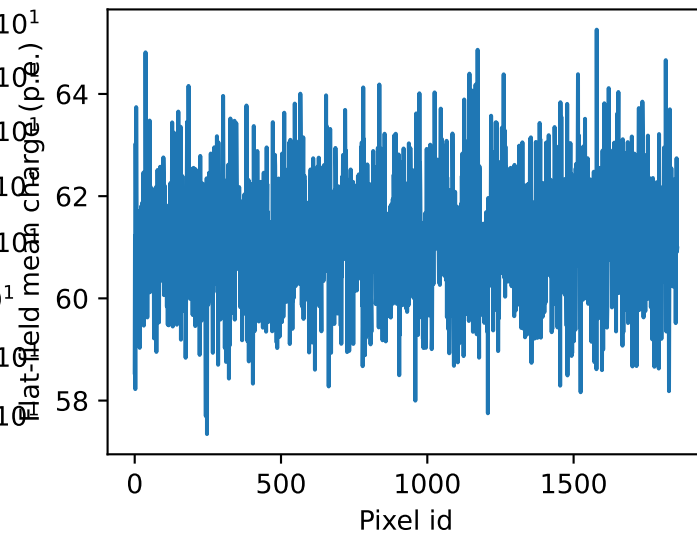
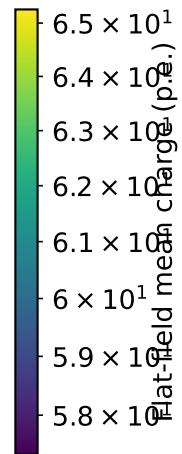
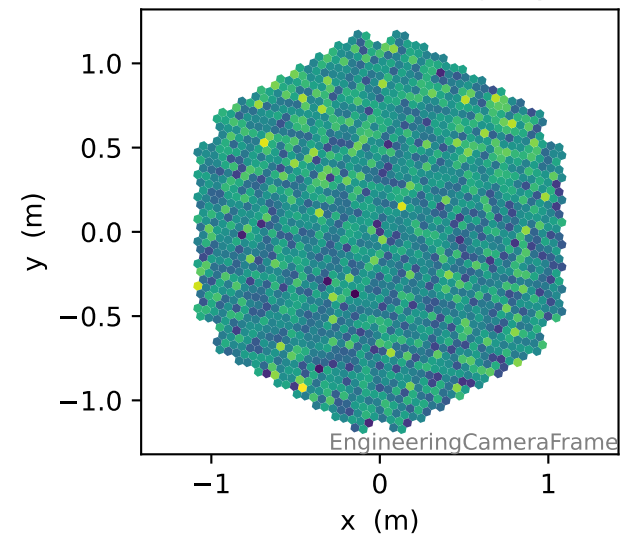


### Pedestal charge std dev (p.e.)

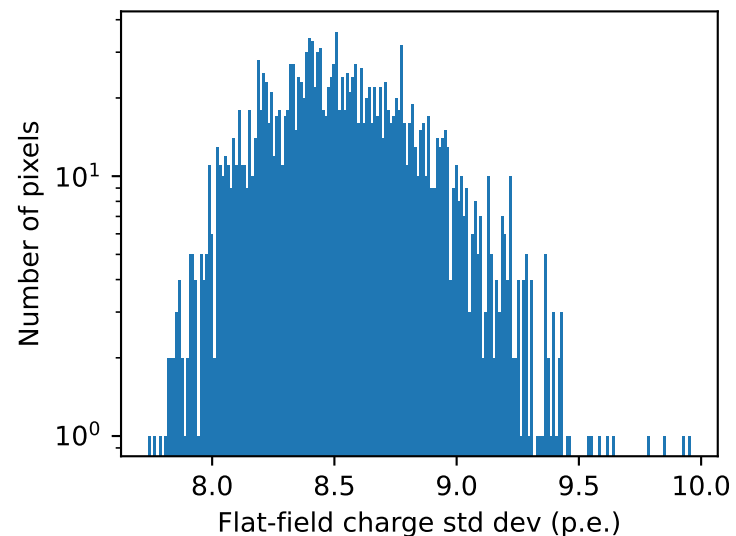
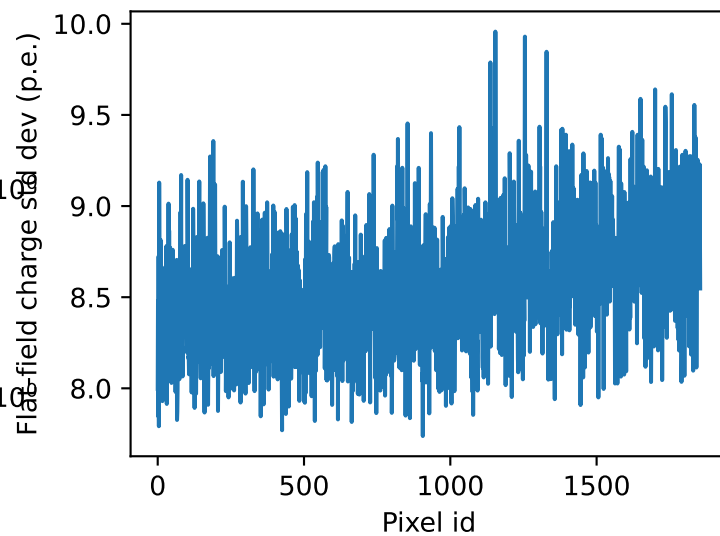
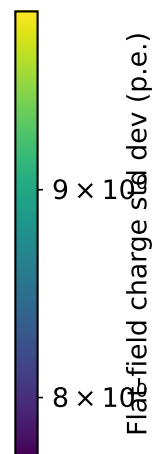
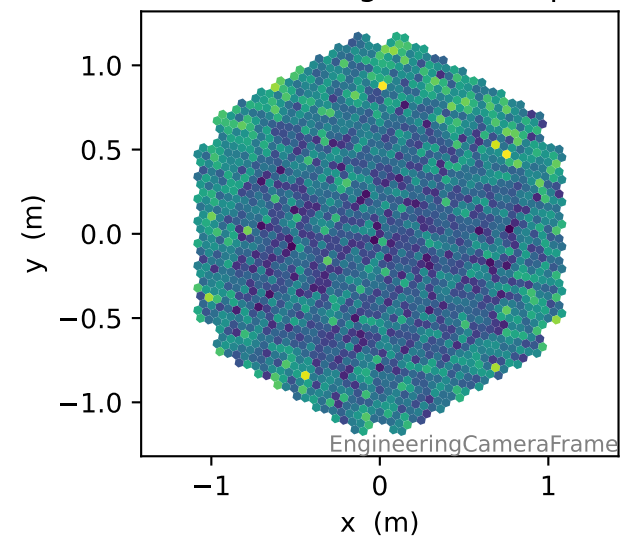


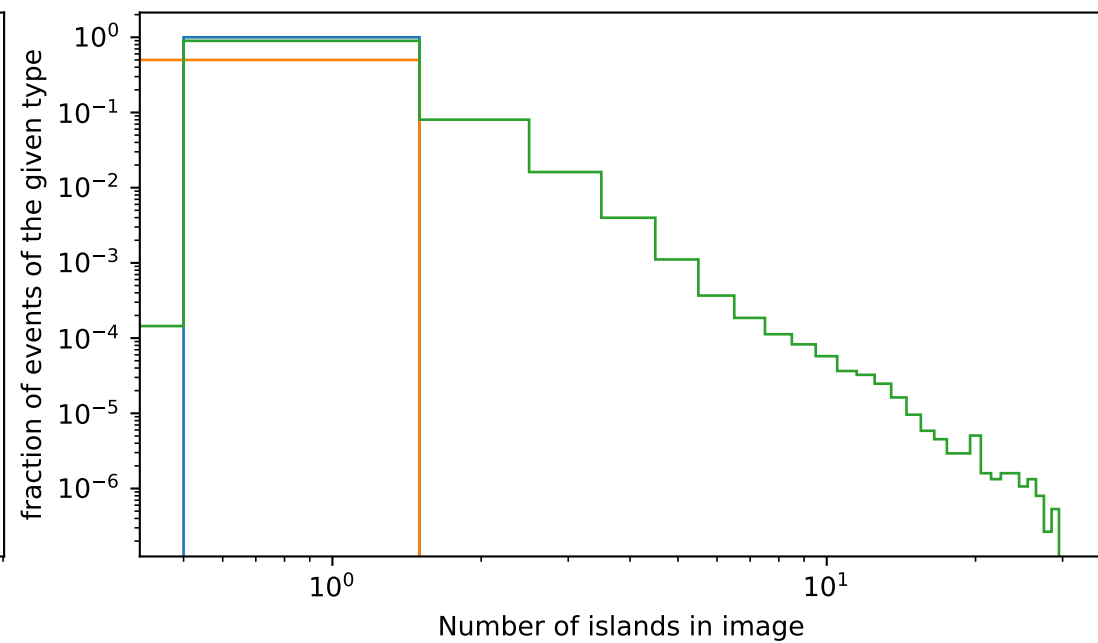
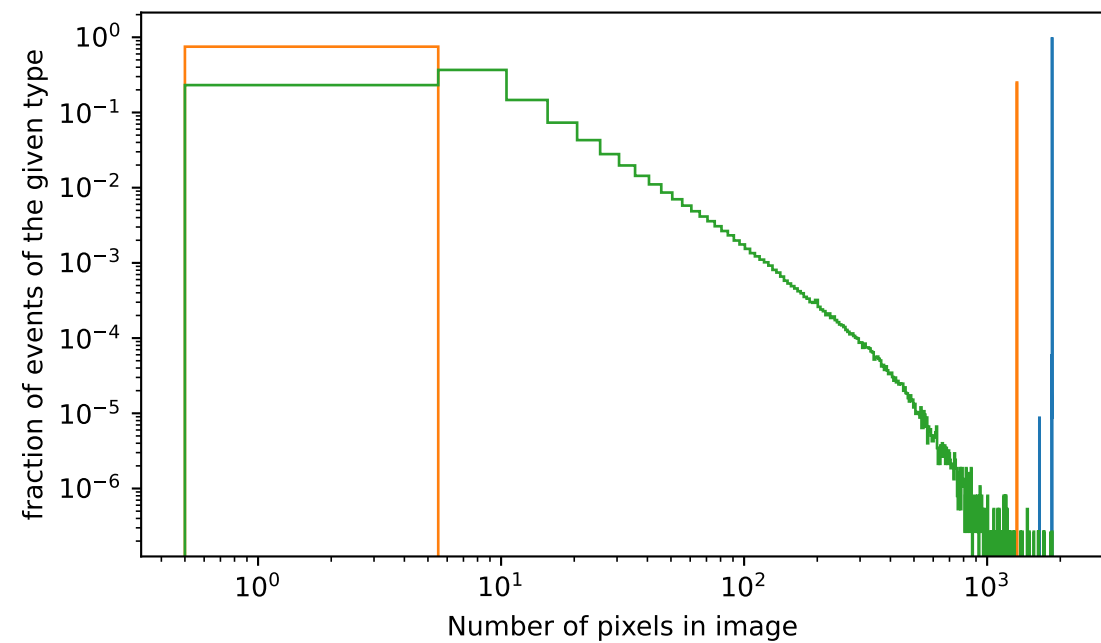
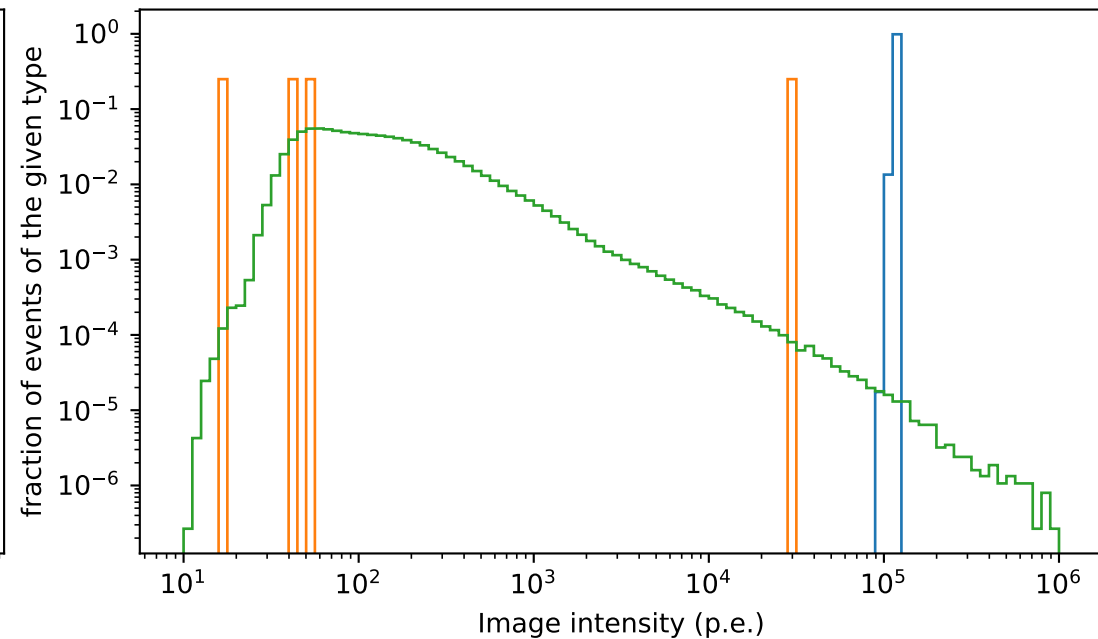
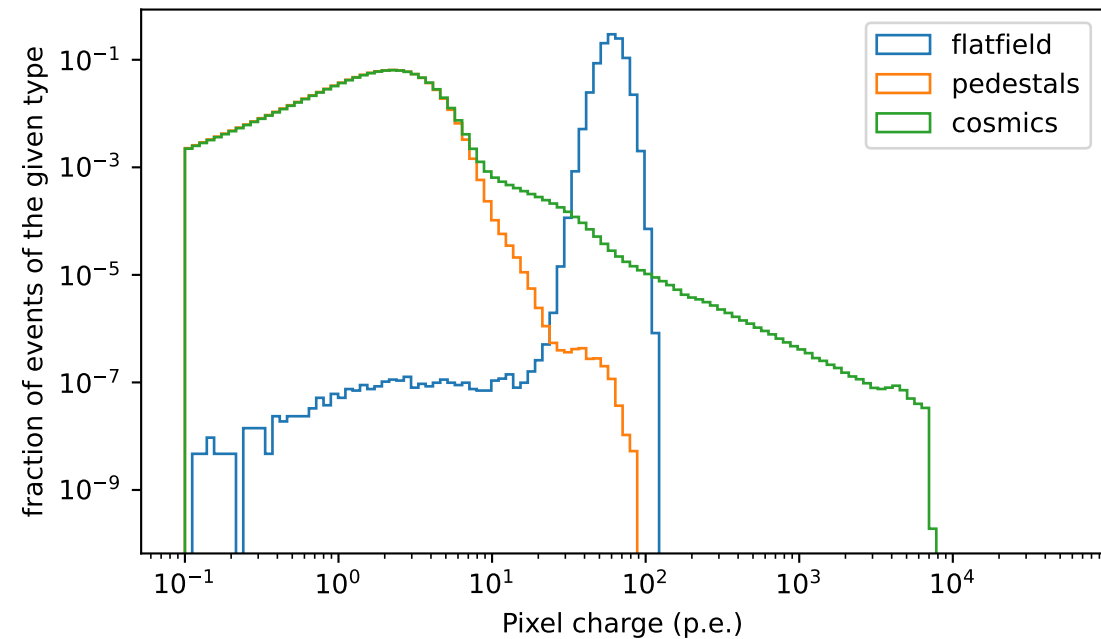
# FLATFIELD, pixel-wise charge info

Flat-field mean charge (p.e.)



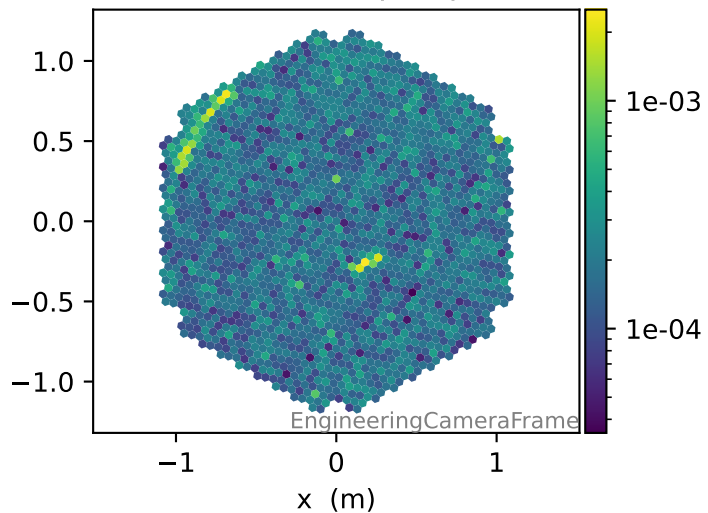
Flat-field charge std dev (p.e.)



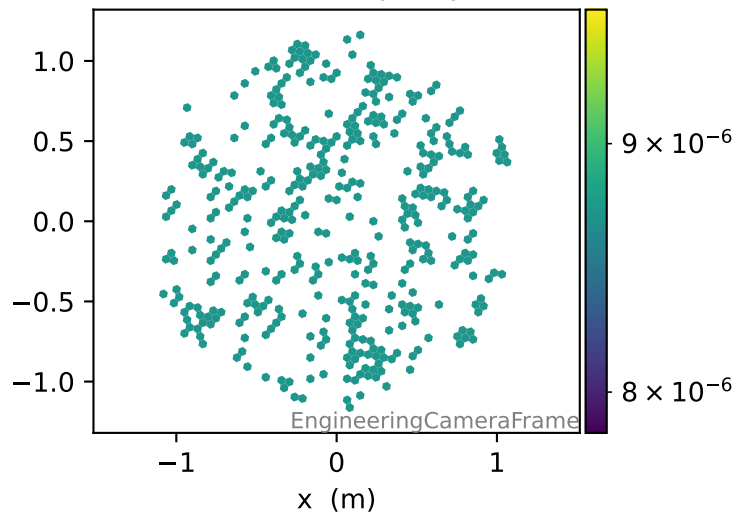


# PEDESTALS, relative frequency of pixel charges

Fraction of >10 p.e. pulses



Fraction of >30 p.e. pulses



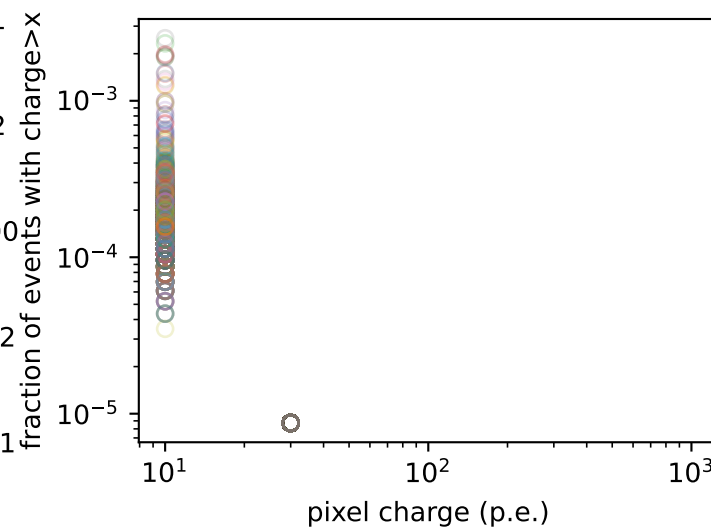
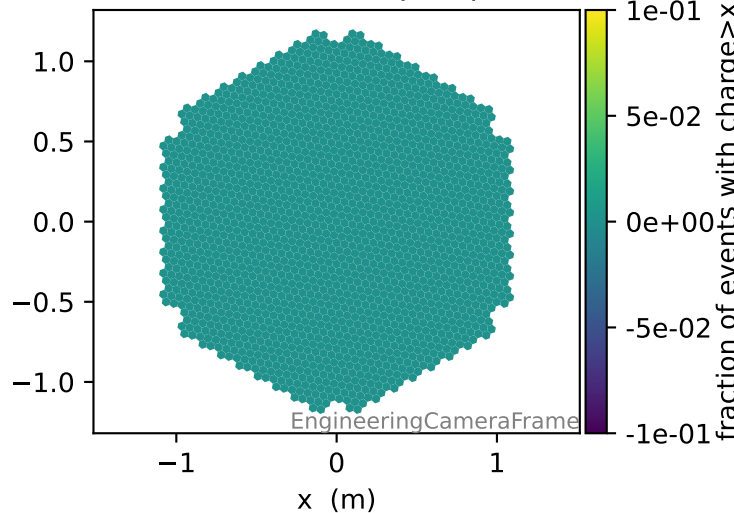
Fraction of >100 p.e. pulses



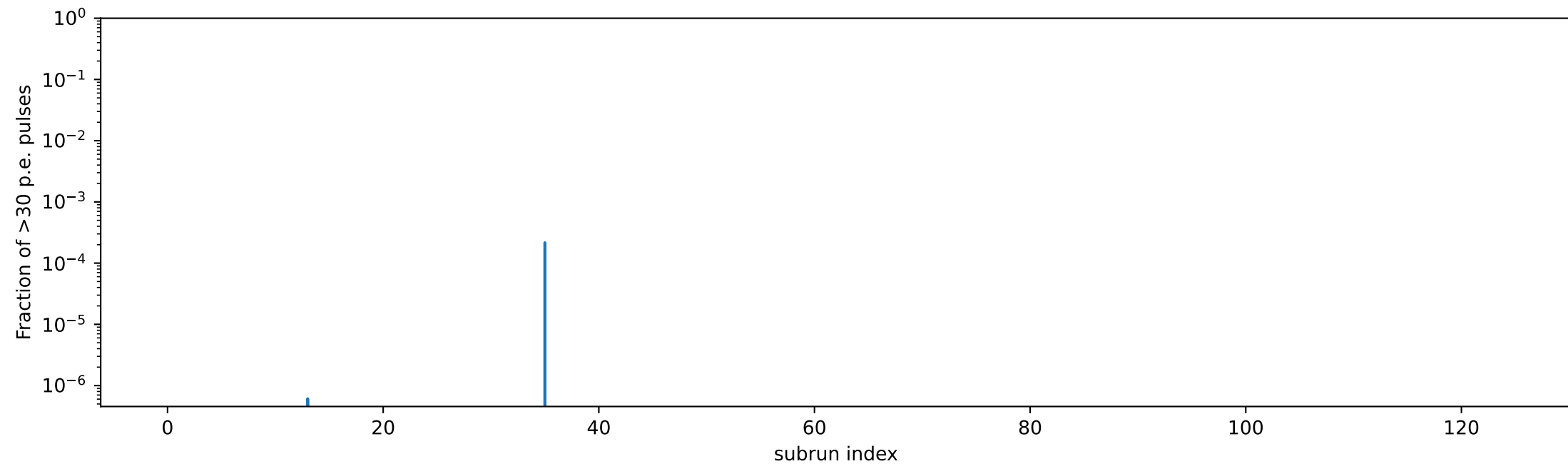
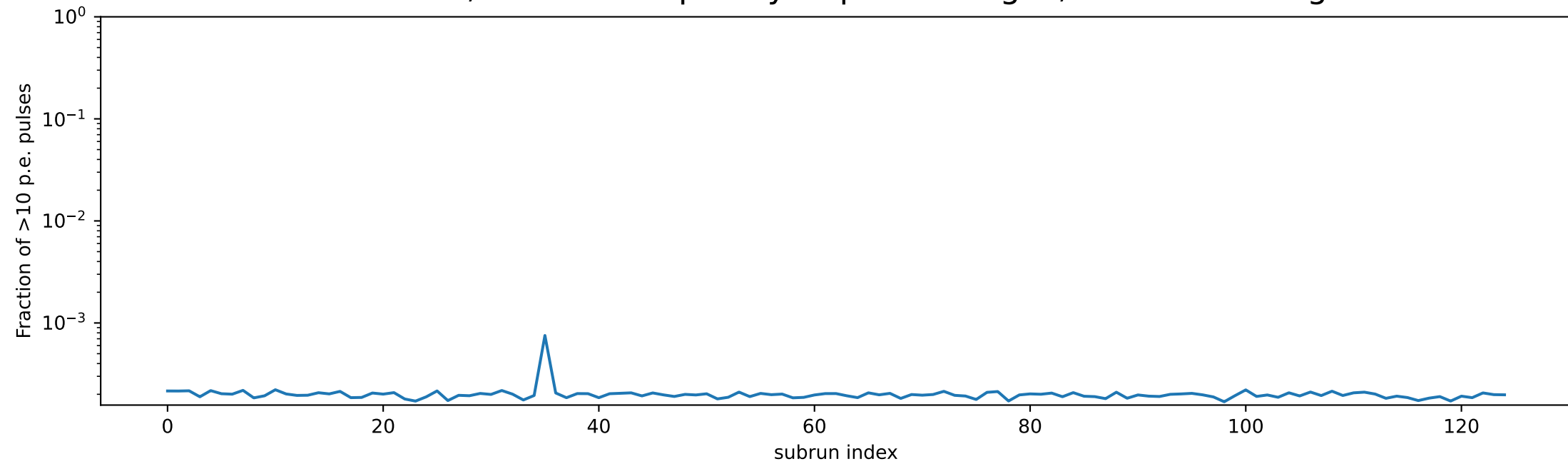
Fraction of >300 p.e. pulses



Fraction of >1000 p.e. pulses



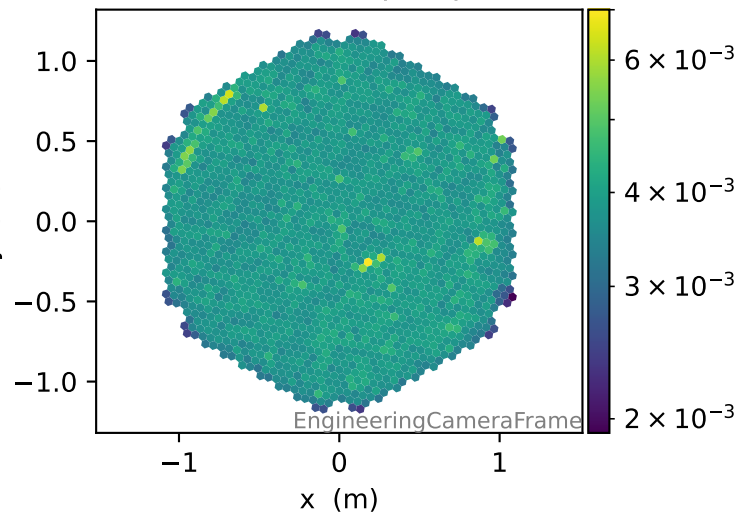
# PEDESTALS, relative frequency of pixel charges, camera averages



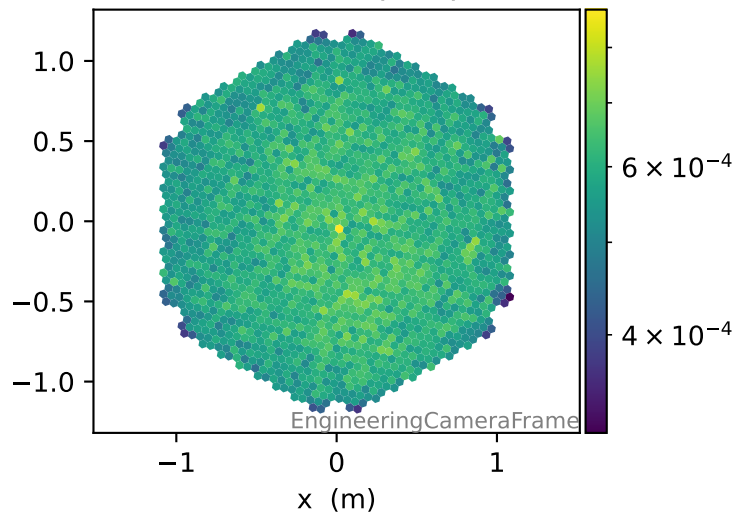


# COSMICS, relative frequency of pixel charges

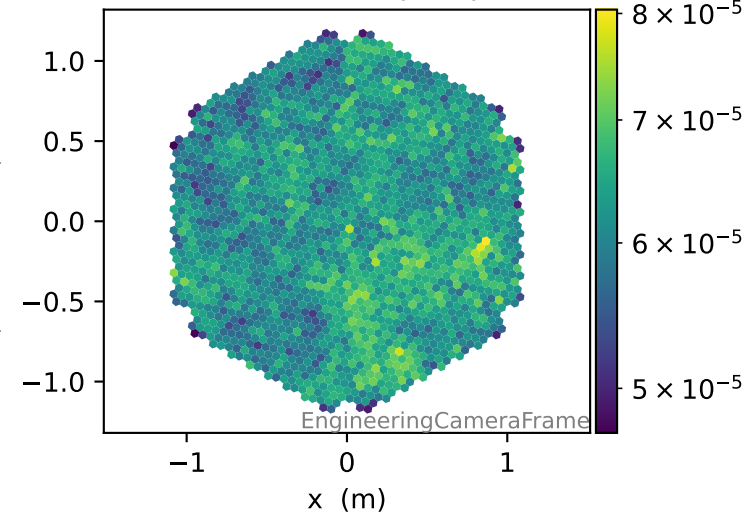
Fraction of  $>10$  p.e. pulses



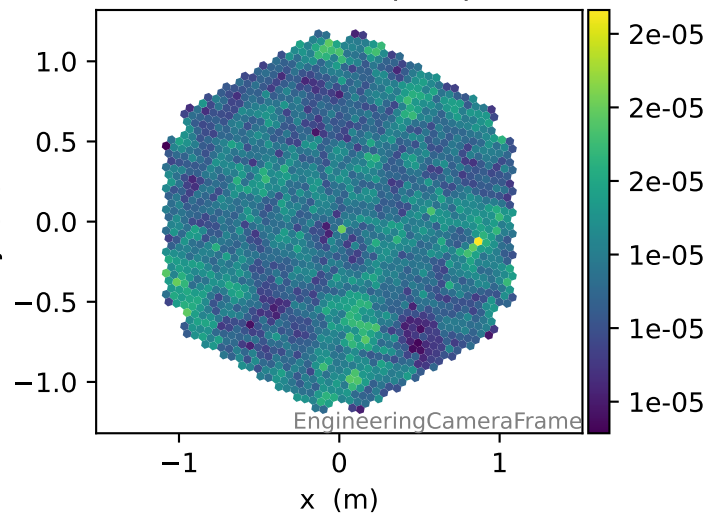
Fraction of  $>30$  p.e. pulses



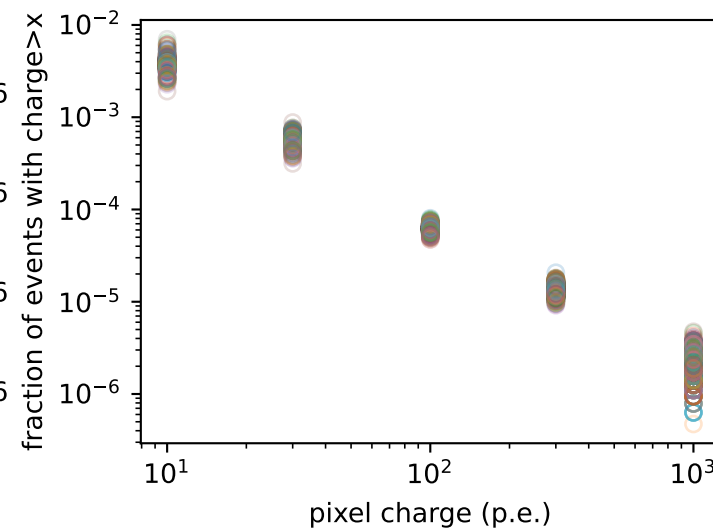
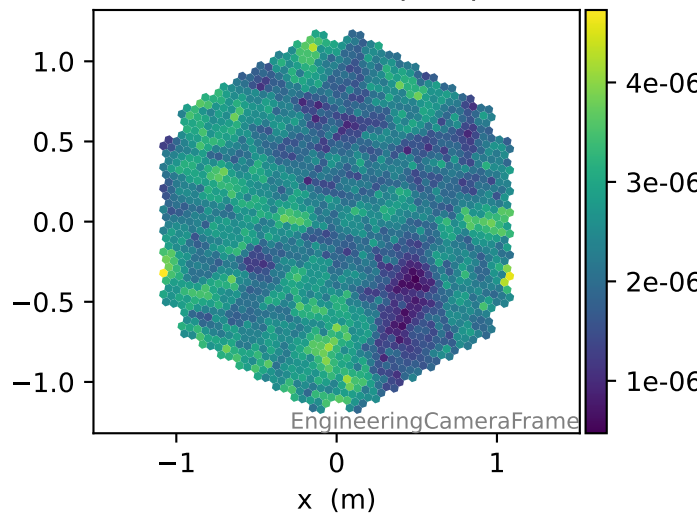
Fraction of  $>100$  p.e. pulses



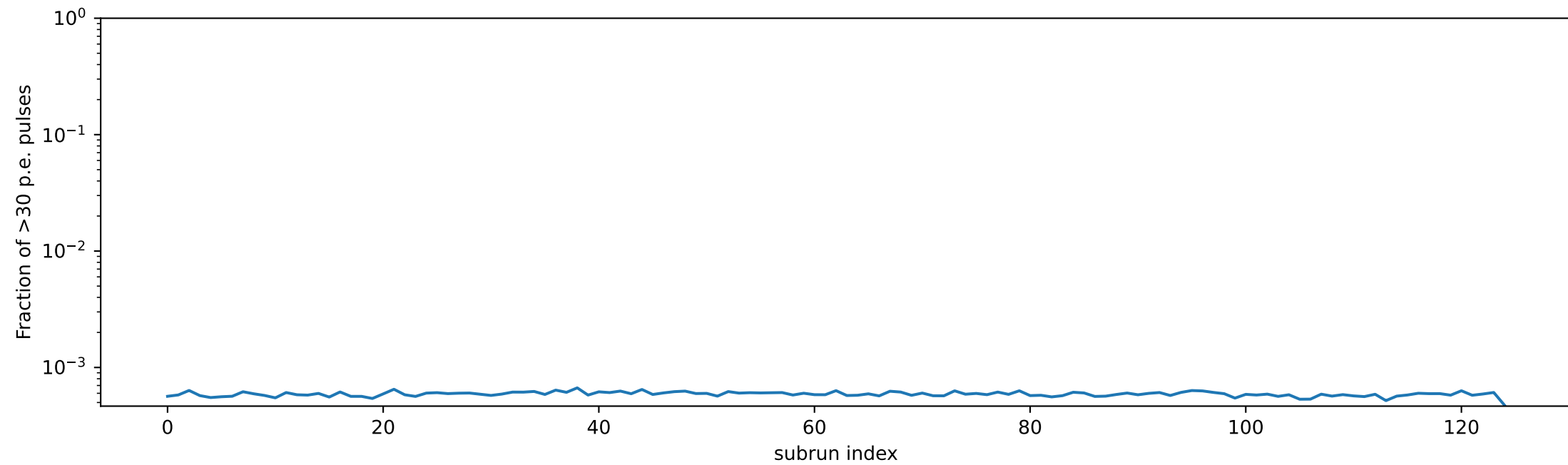
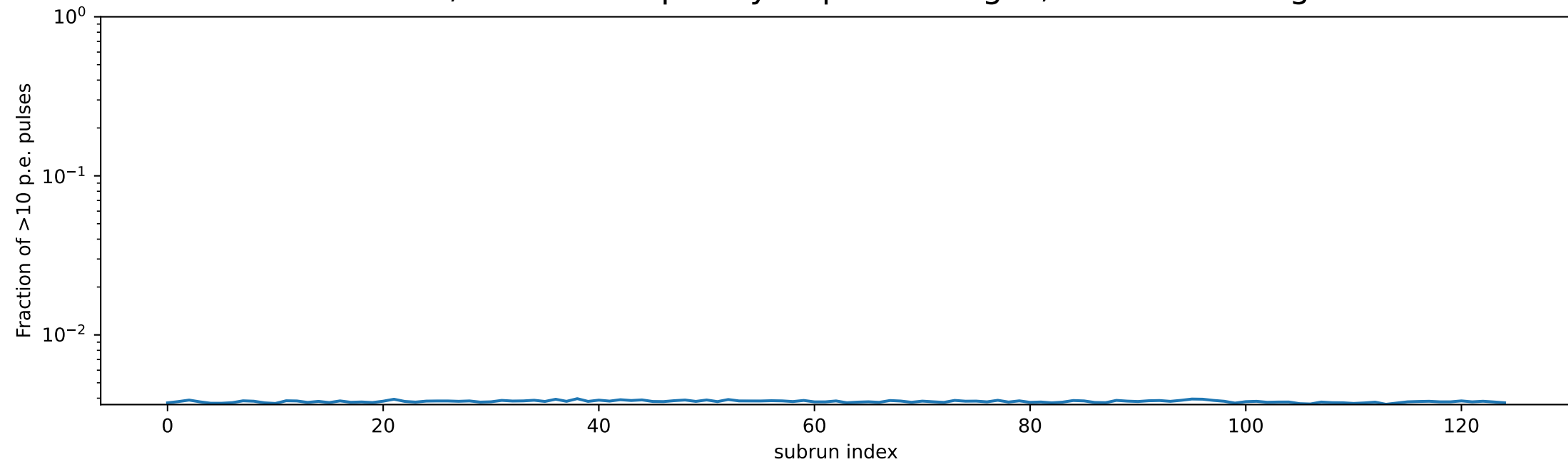
Fraction of  $>300$  p.e. pulses



Fraction of  $>1000$  p.e. pulses

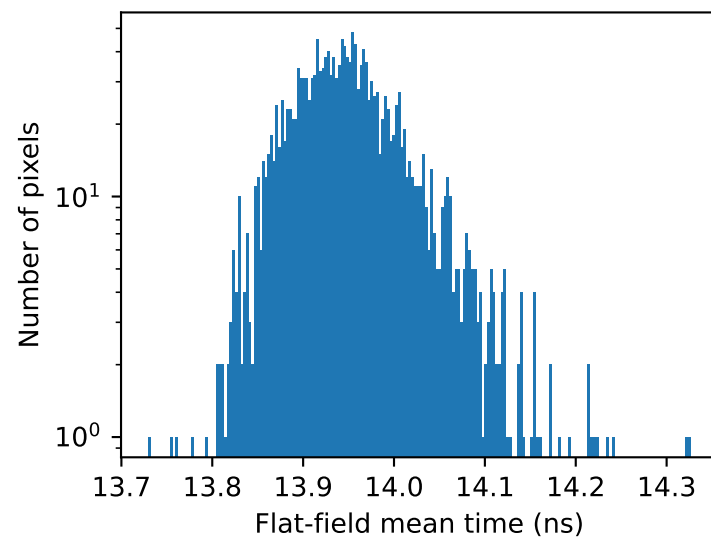
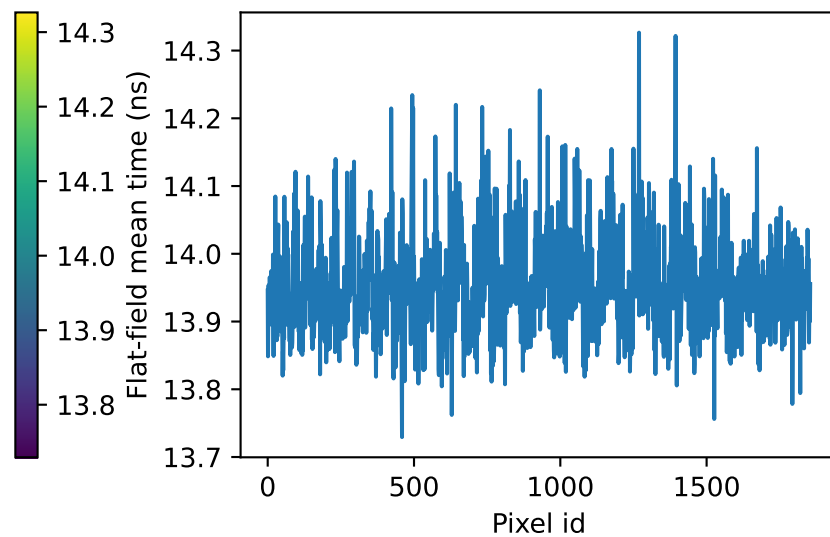
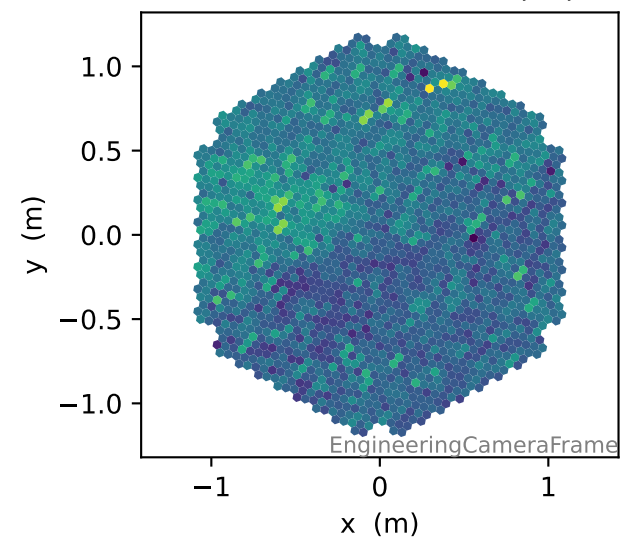


# COSMICS, relative frequency of pixel charges, camera averages

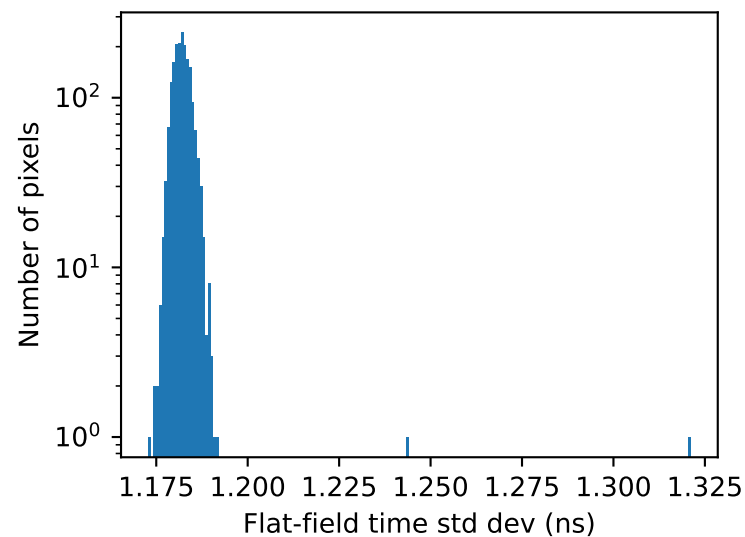
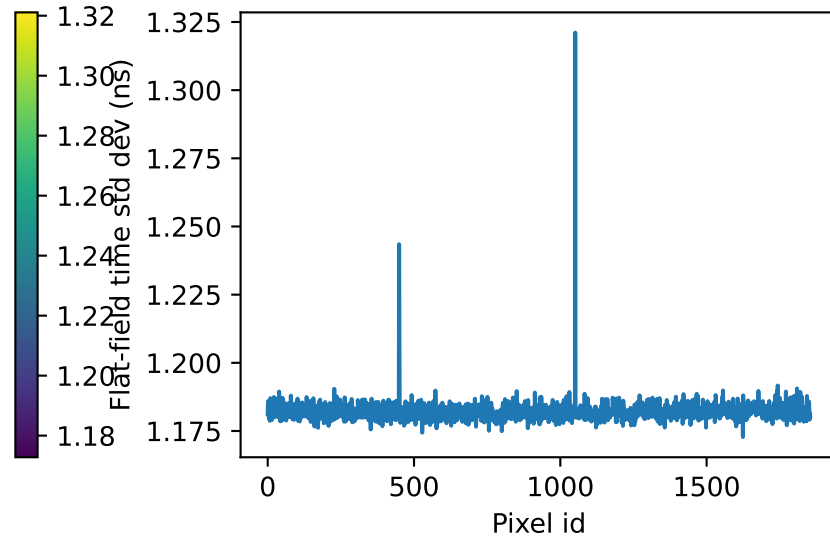
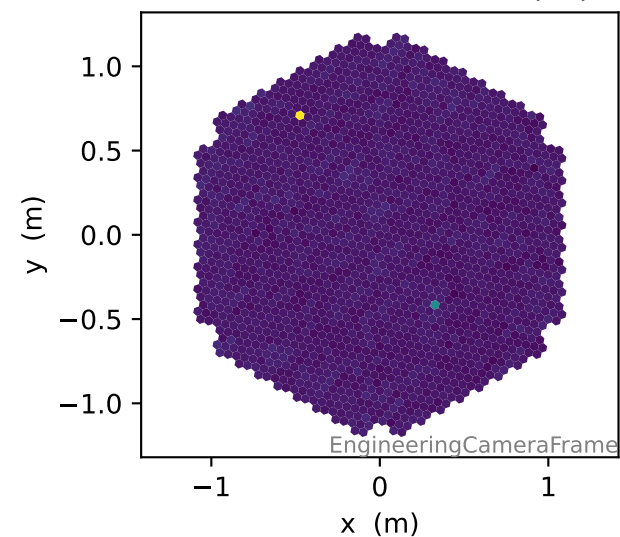


# FLATFIELD, pixel-wise pulse time info

### Flat-field mean time (ns)

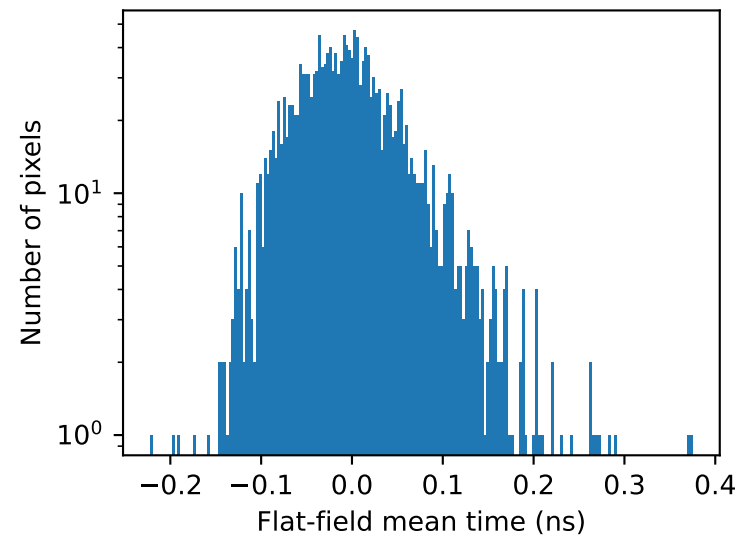
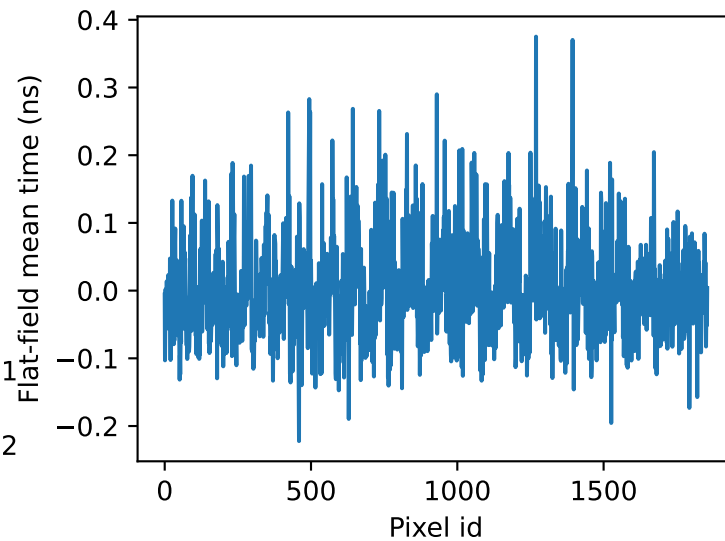
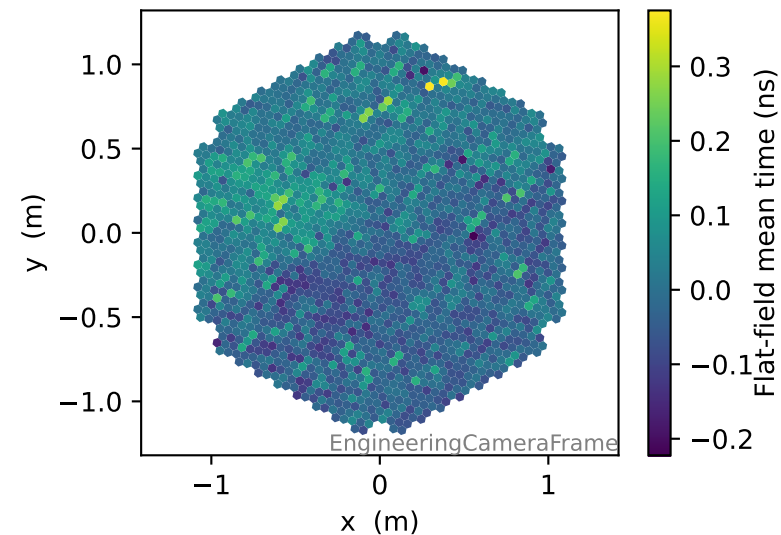


### Flat-field time std dev (ns)

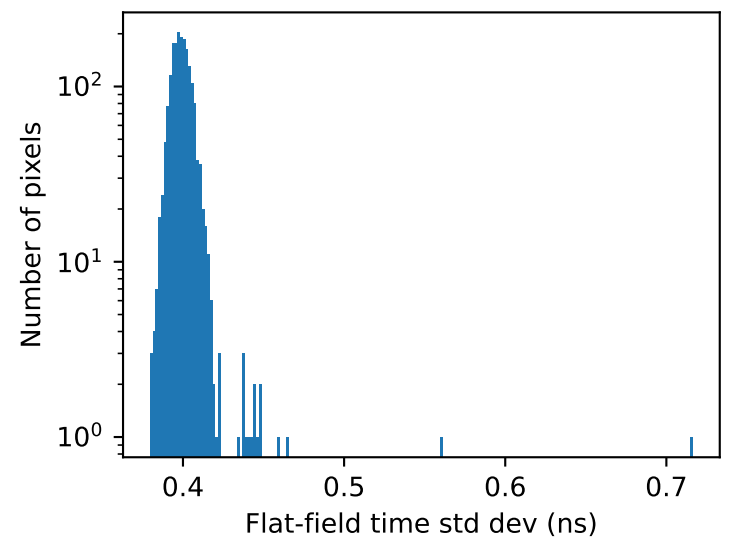
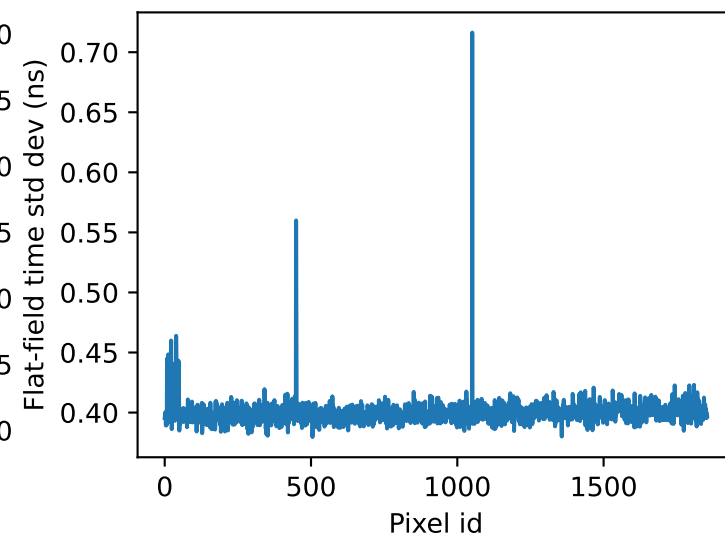
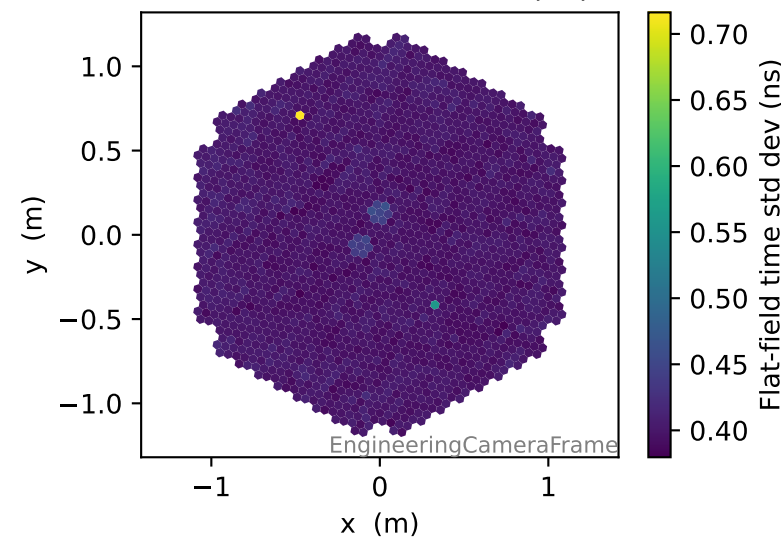


# FLATFIELD, pixel-wise pulse time relative to camera mean

## Flat-field mean time (ns)

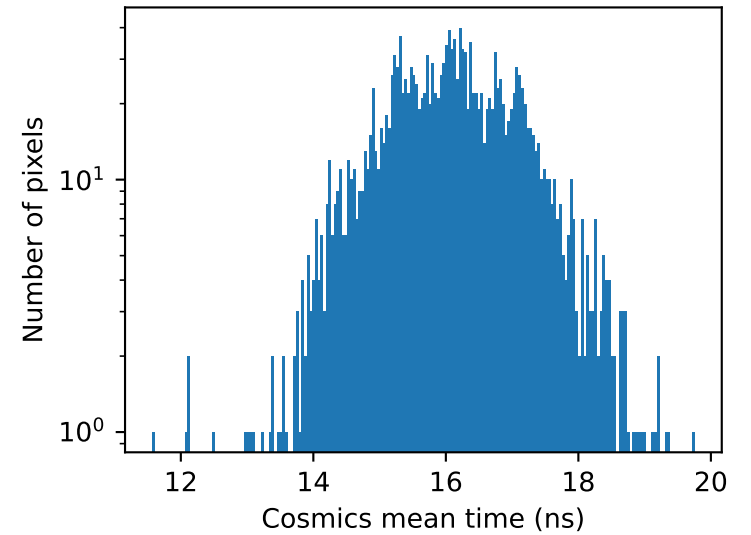
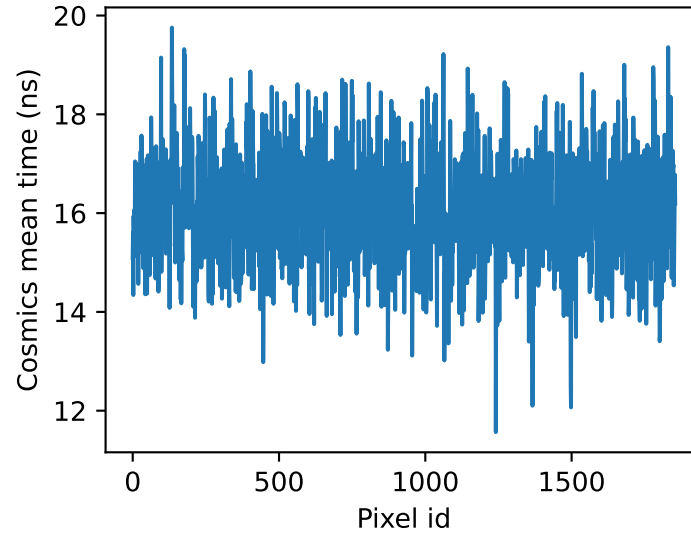
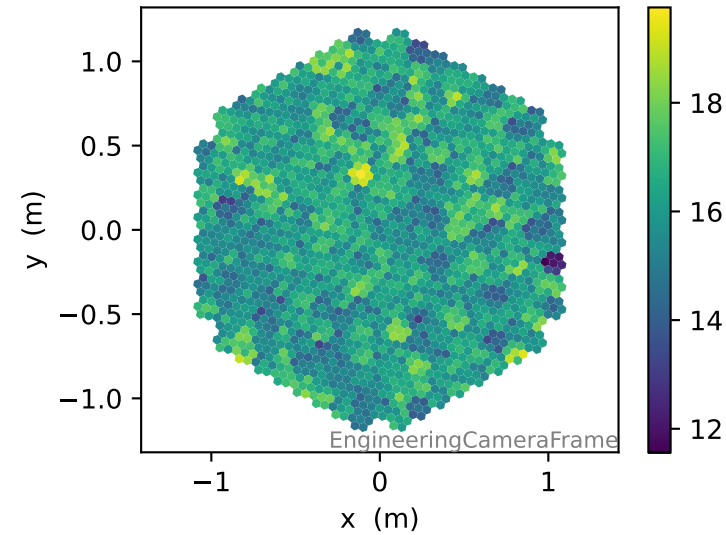


## Flat-field time std dev (ns)

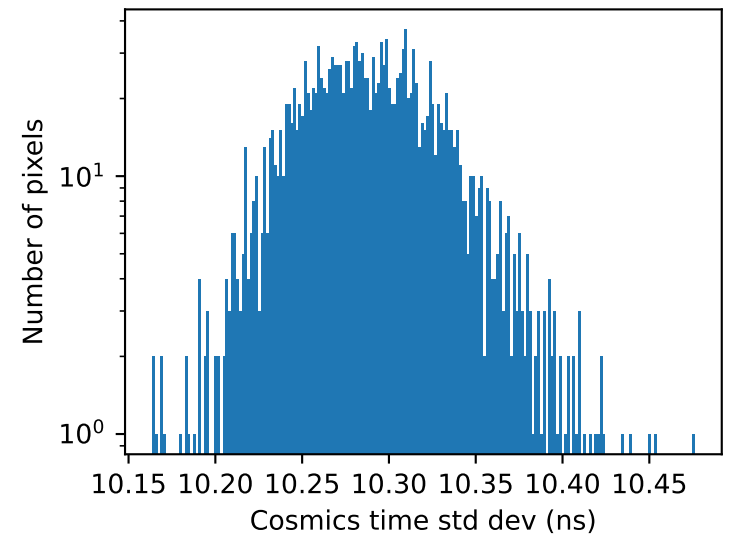
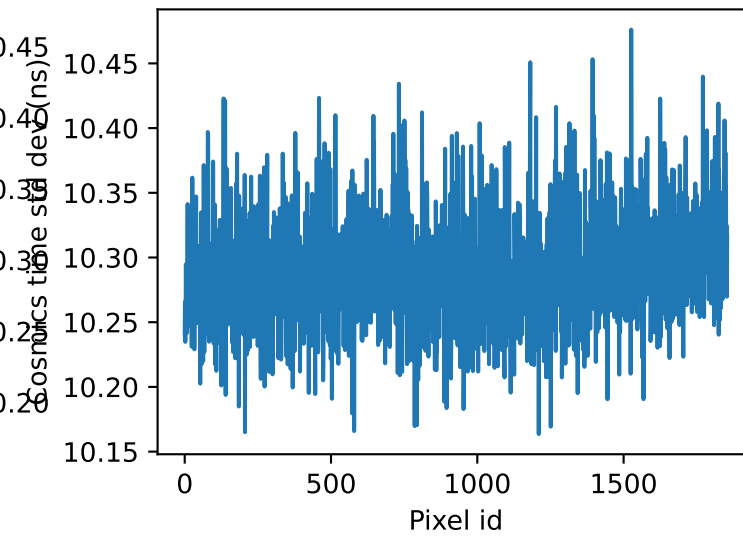
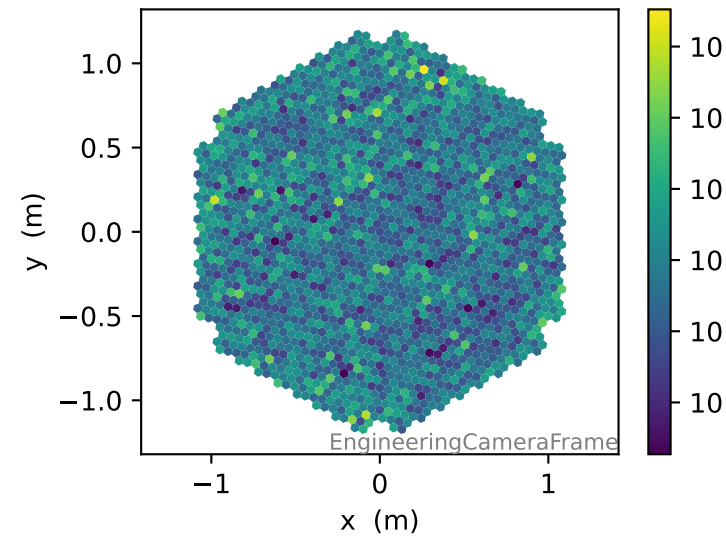


# COSMICS, pixel-wise pulse time info for pixel charge > 1 p.e.

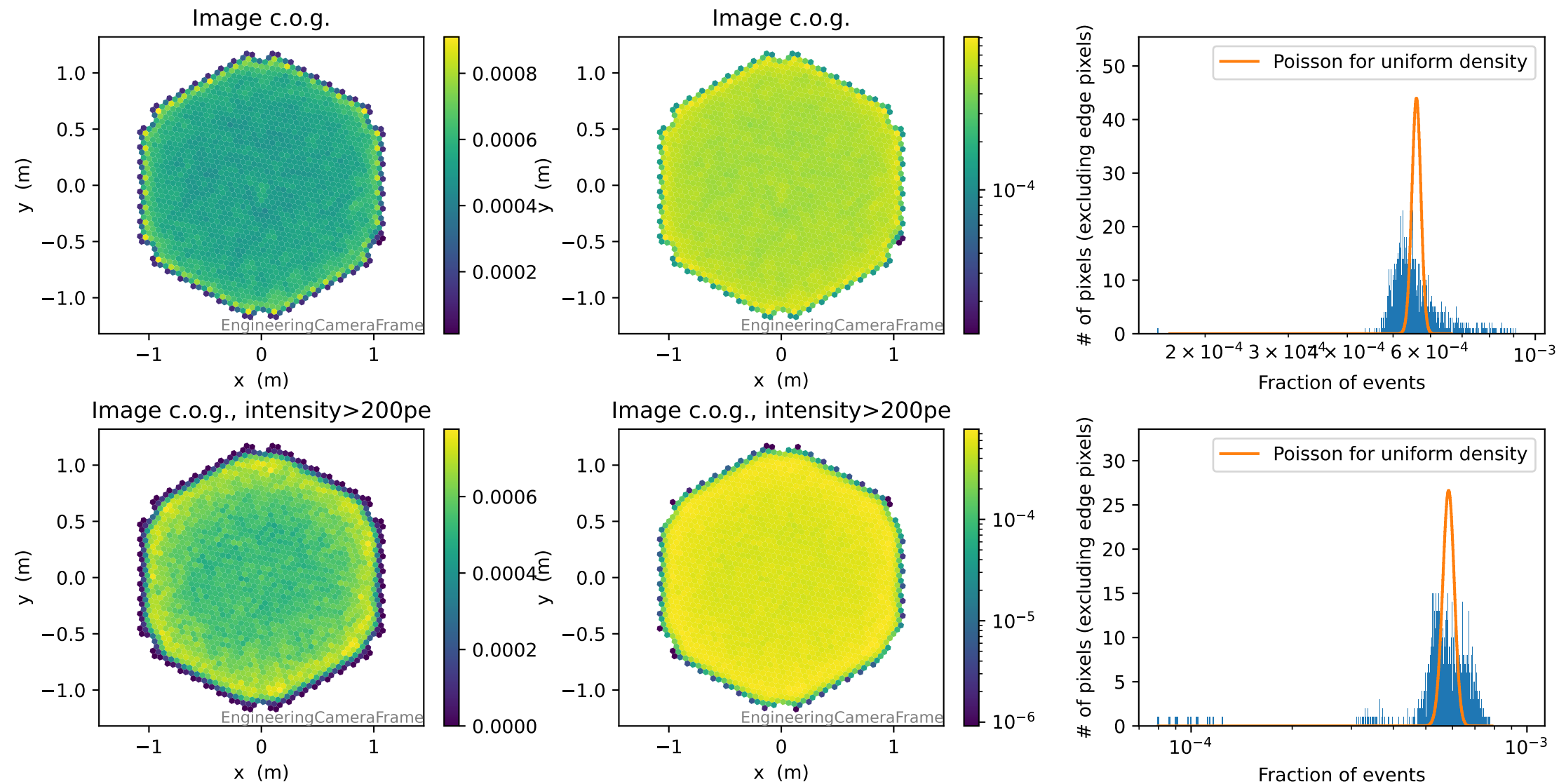
### Cosmics mean time (ns)



### Cosmics time std dev (ns)

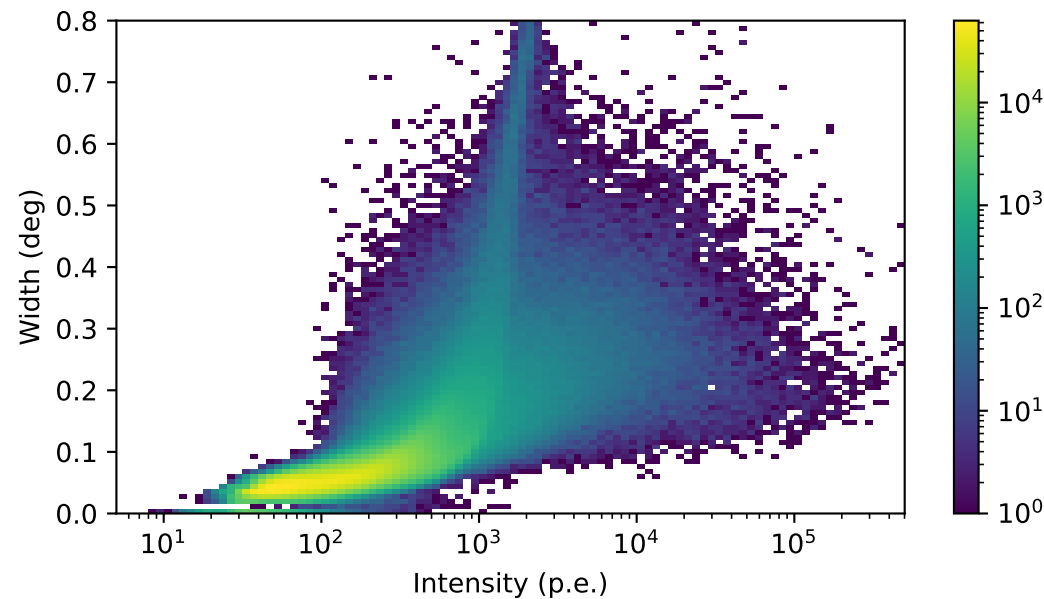
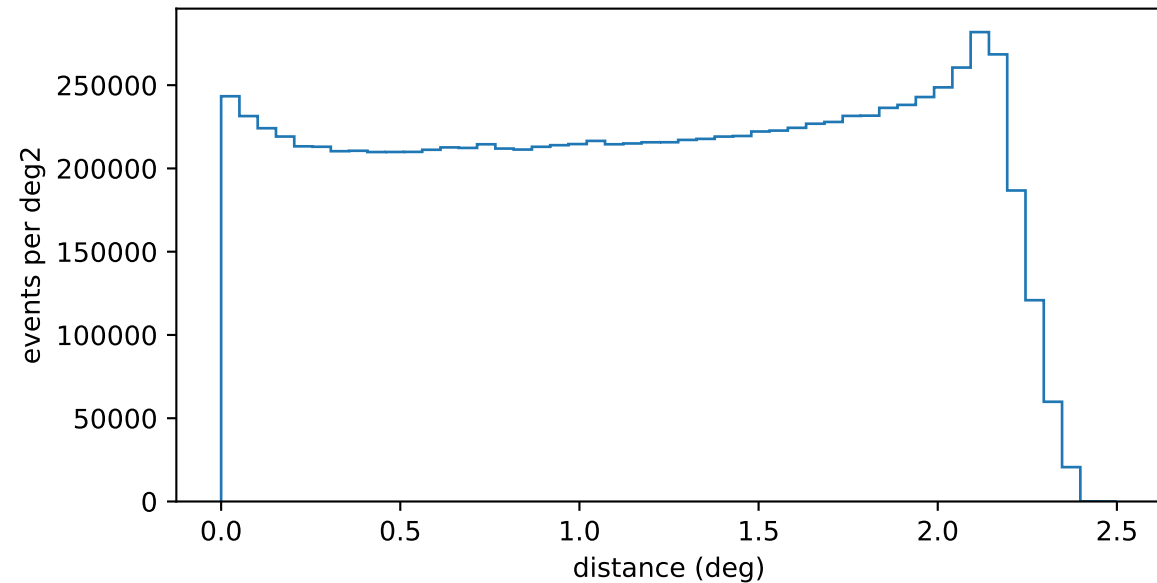


# COSMICS, image c.o.g. position

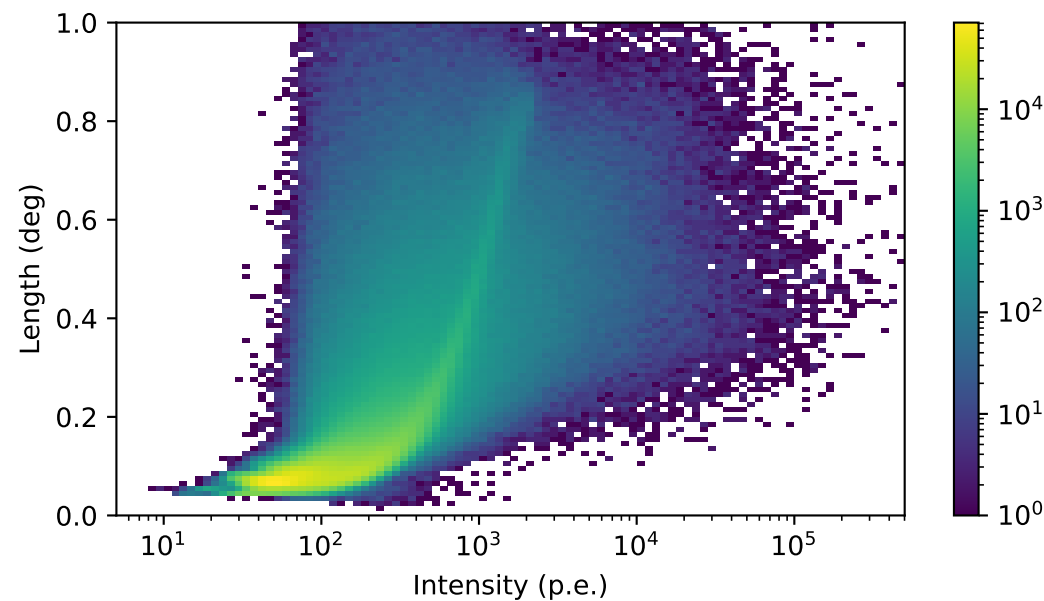
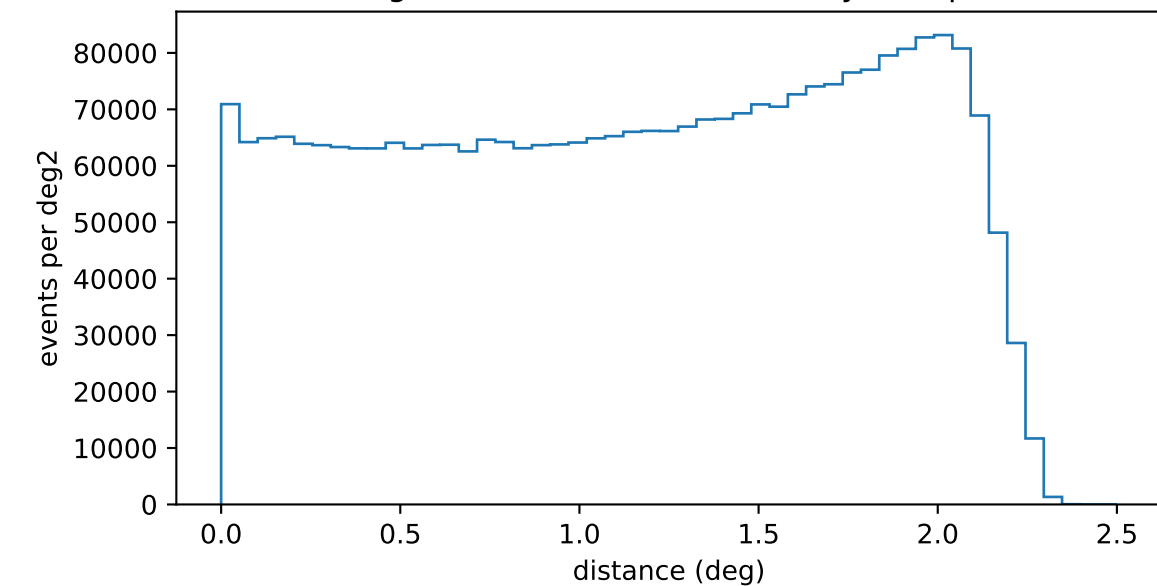


# COSMICS, image parameters

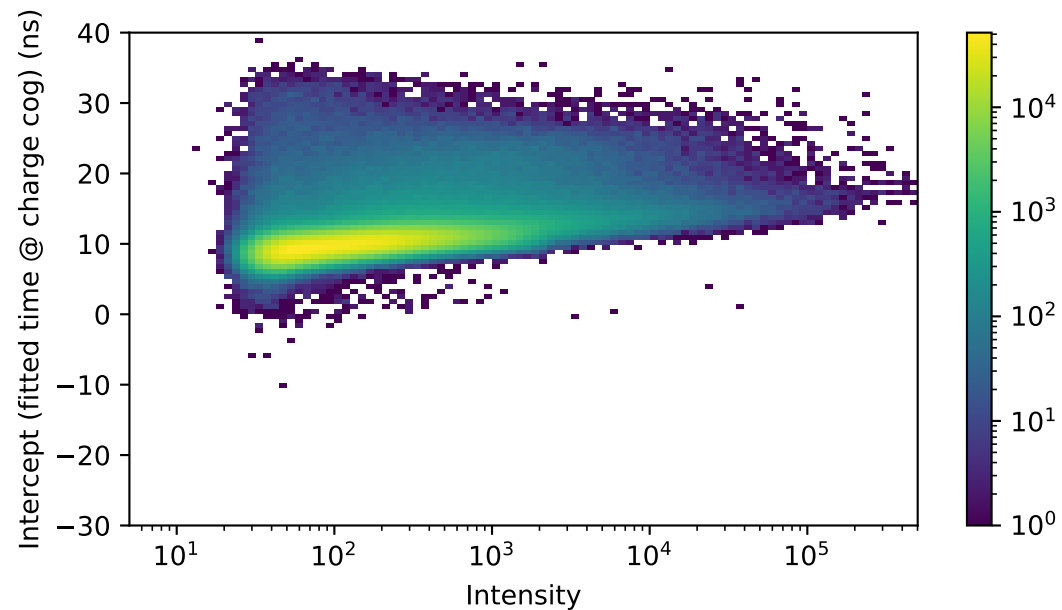
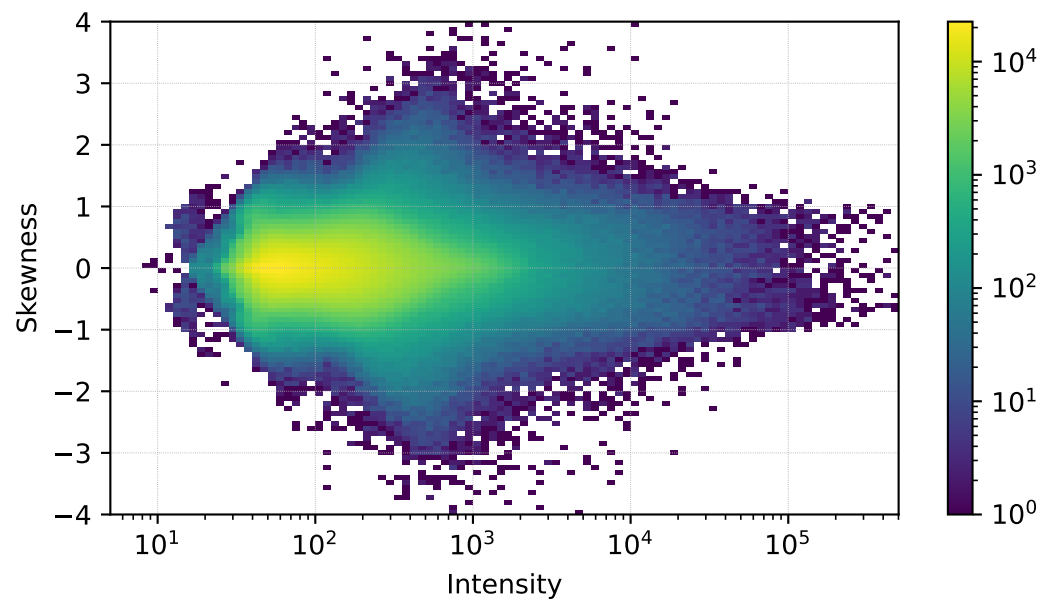
## cog radial distribution



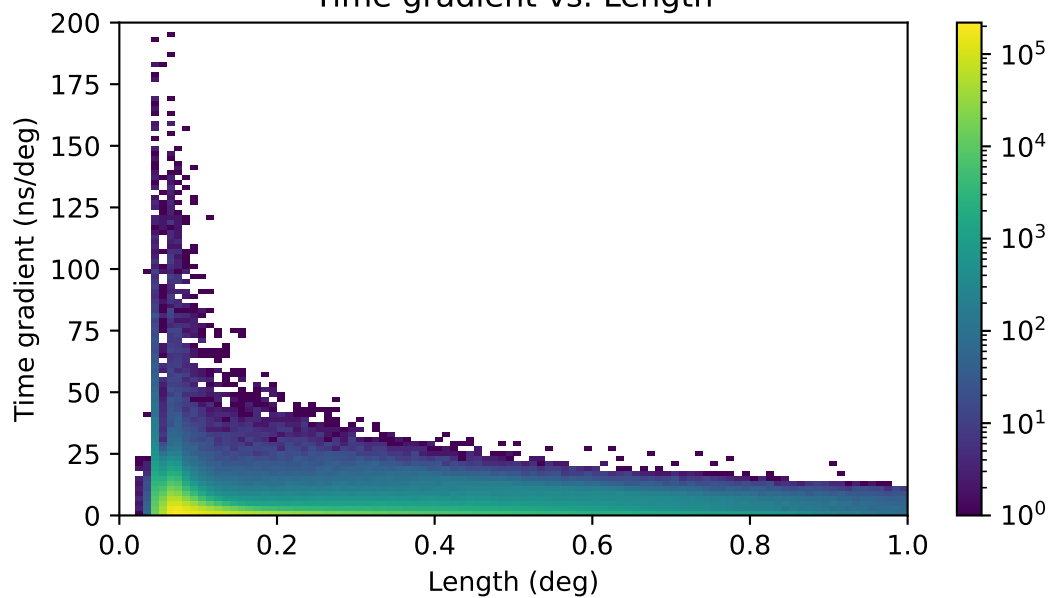
## cog radial distribution, intensity > 200pe



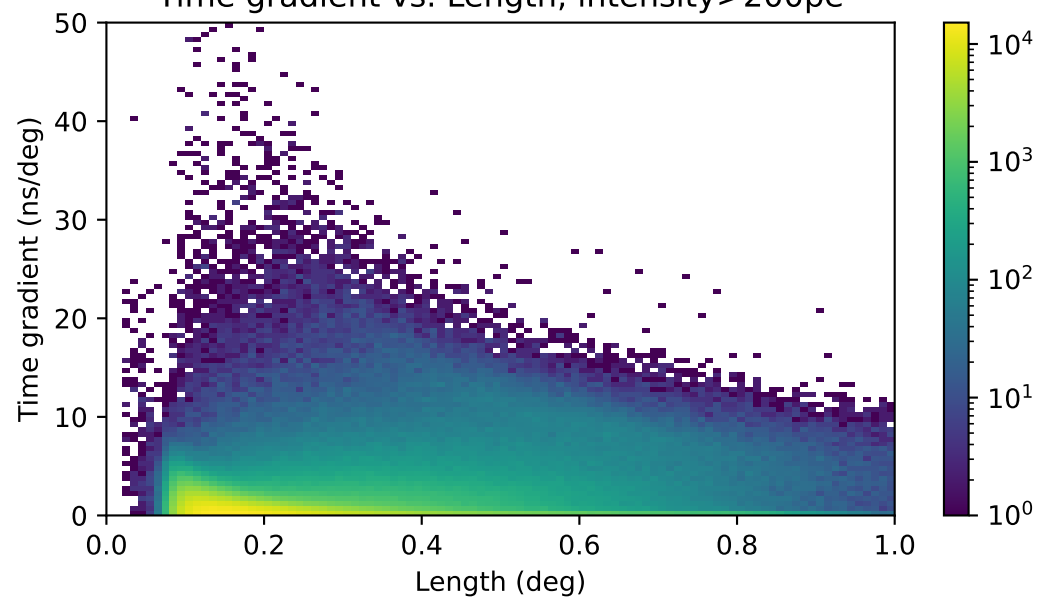
# COSMICS, image parameters



Time gradient vs. Length

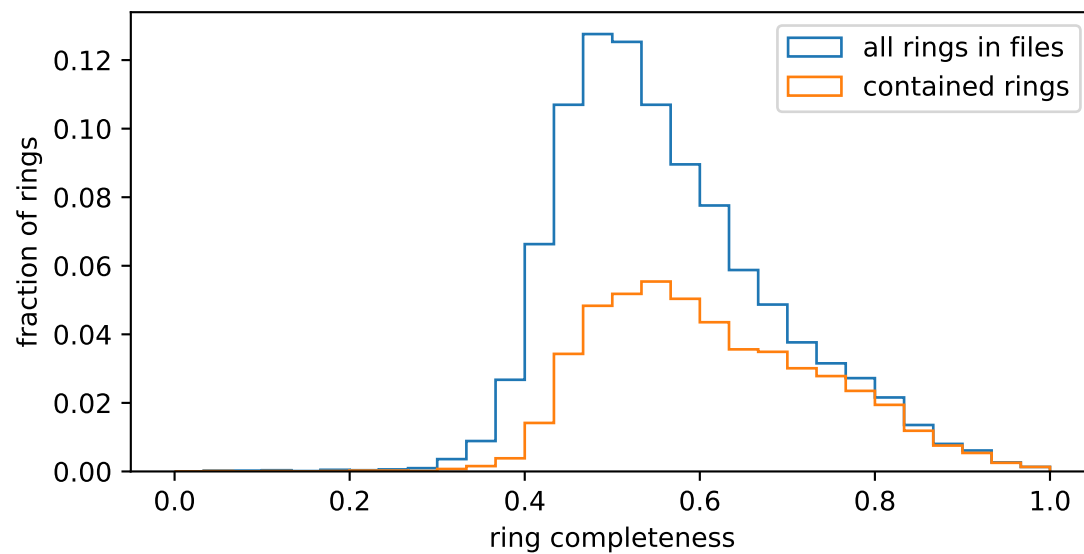
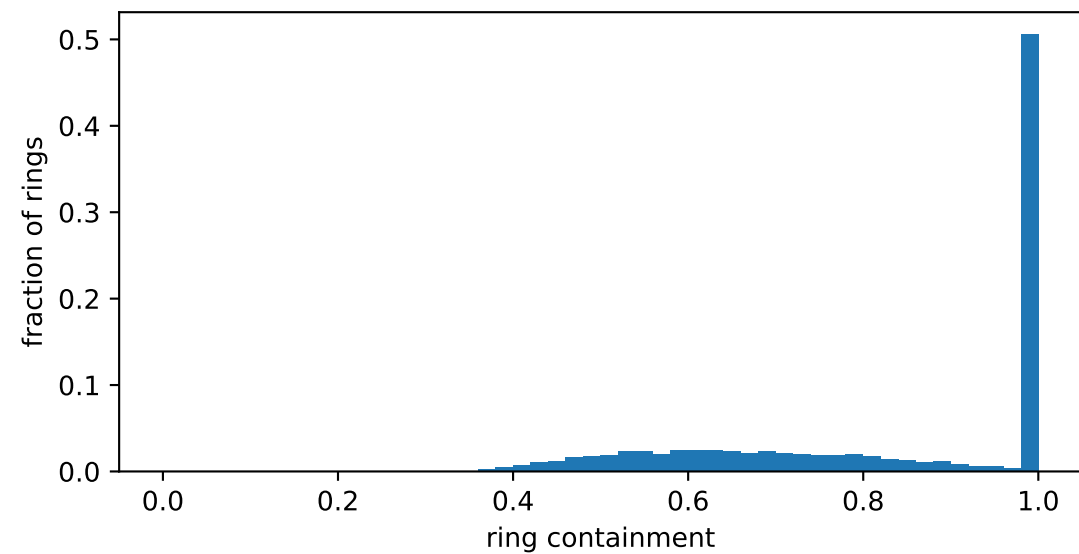
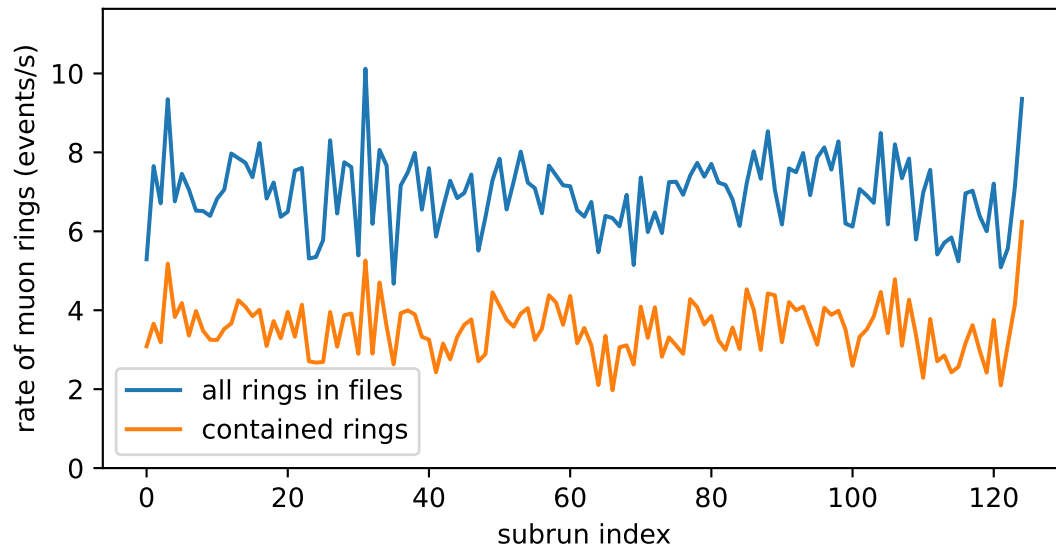
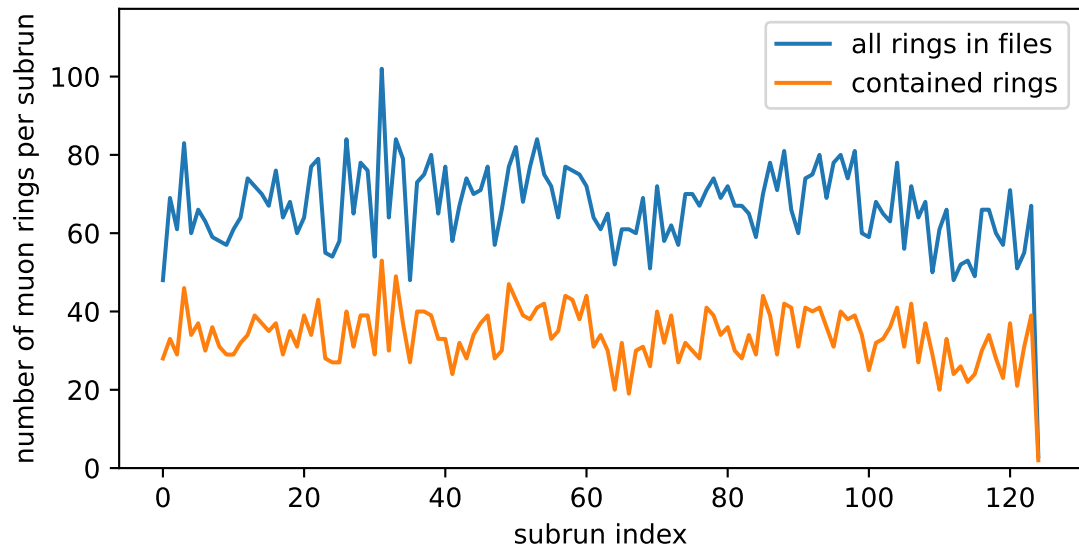


Time gradient vs. Length, intensity > 200pe

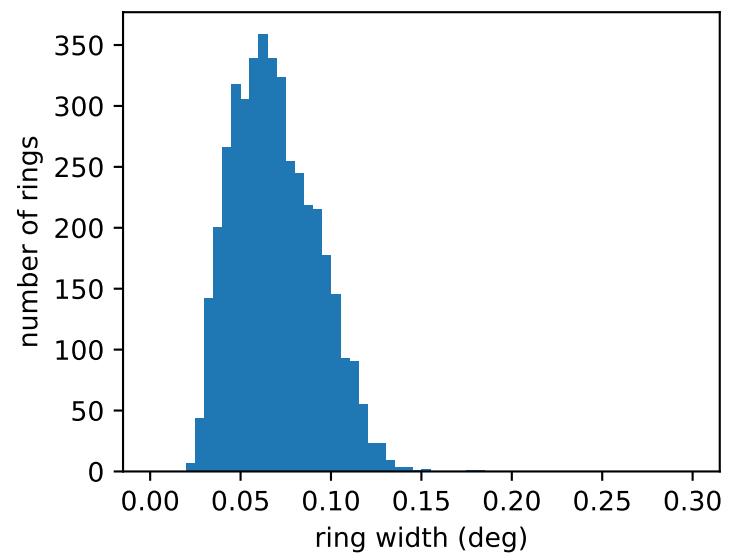
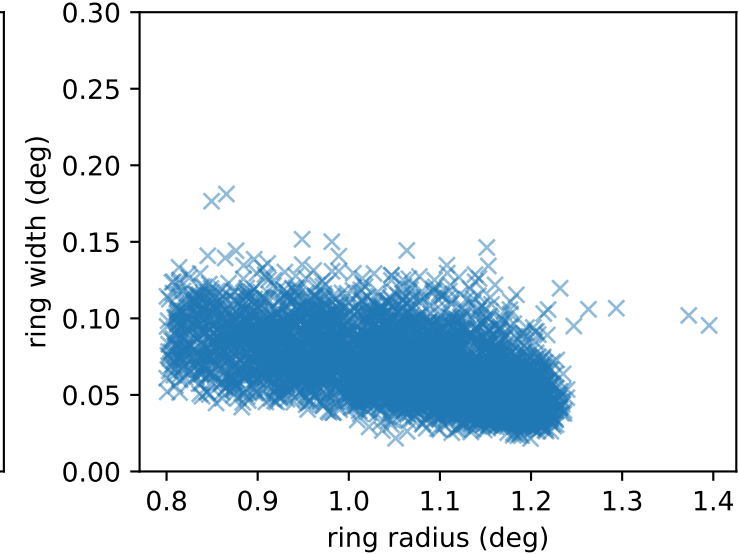
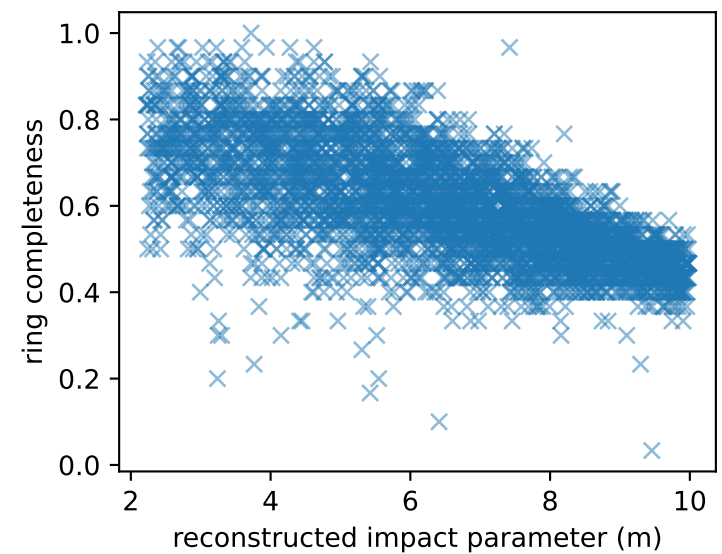
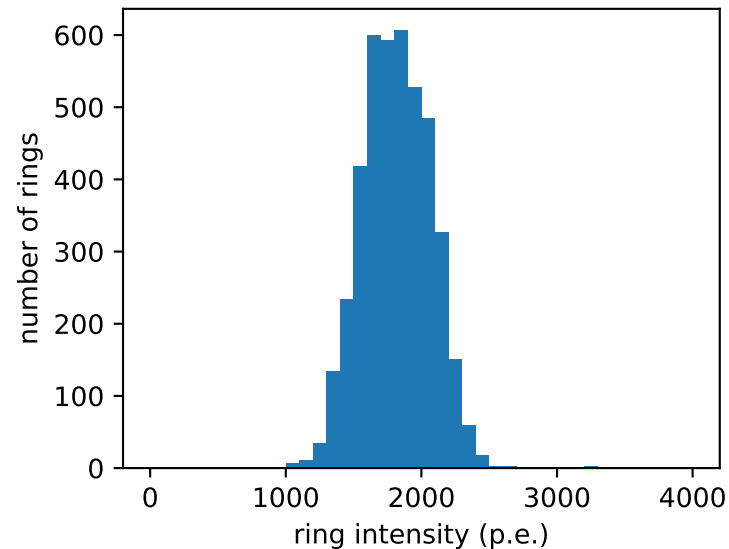
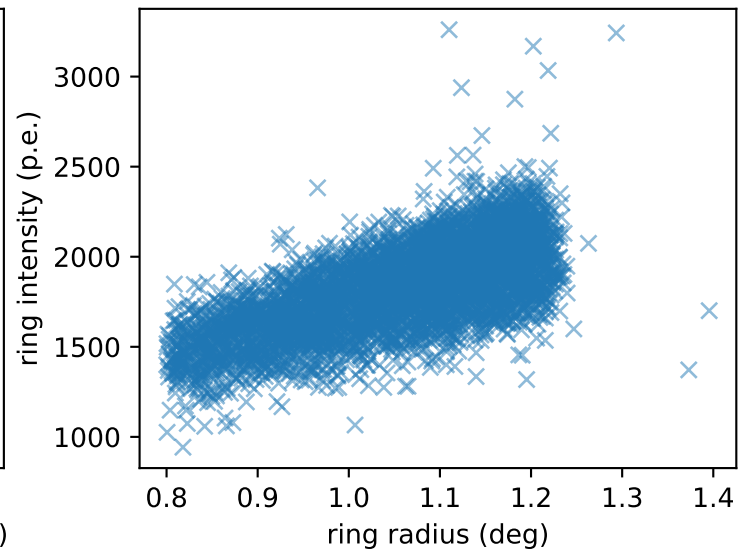
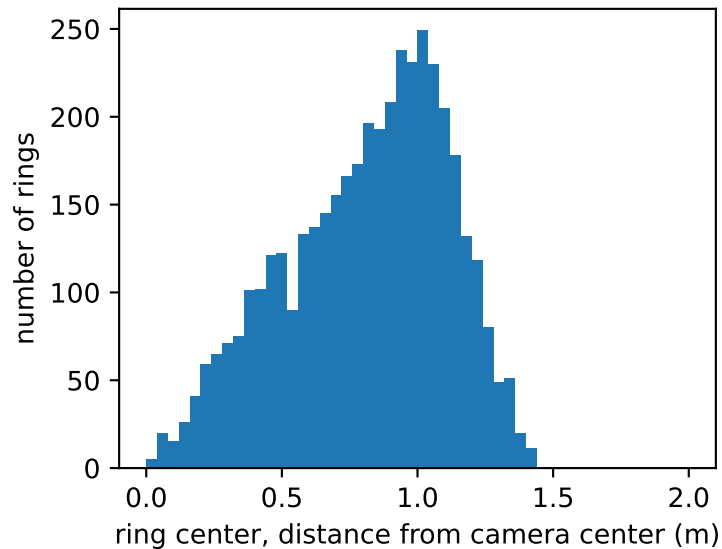




# MUON RINGS



# MUON RINGS with containment = 1



# MUON RINGS with containment = 1

