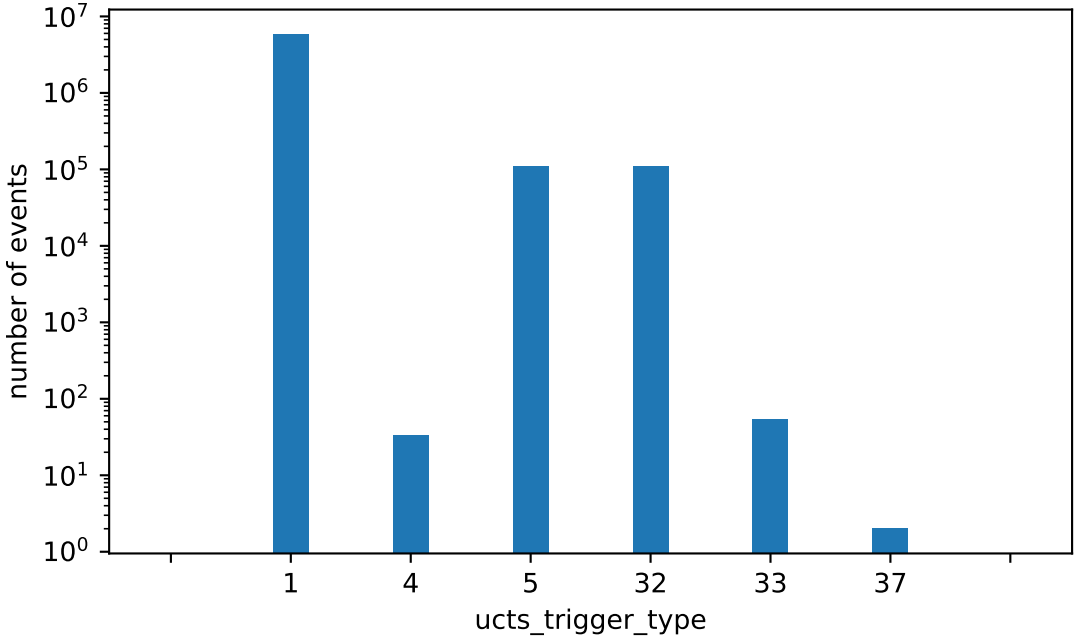
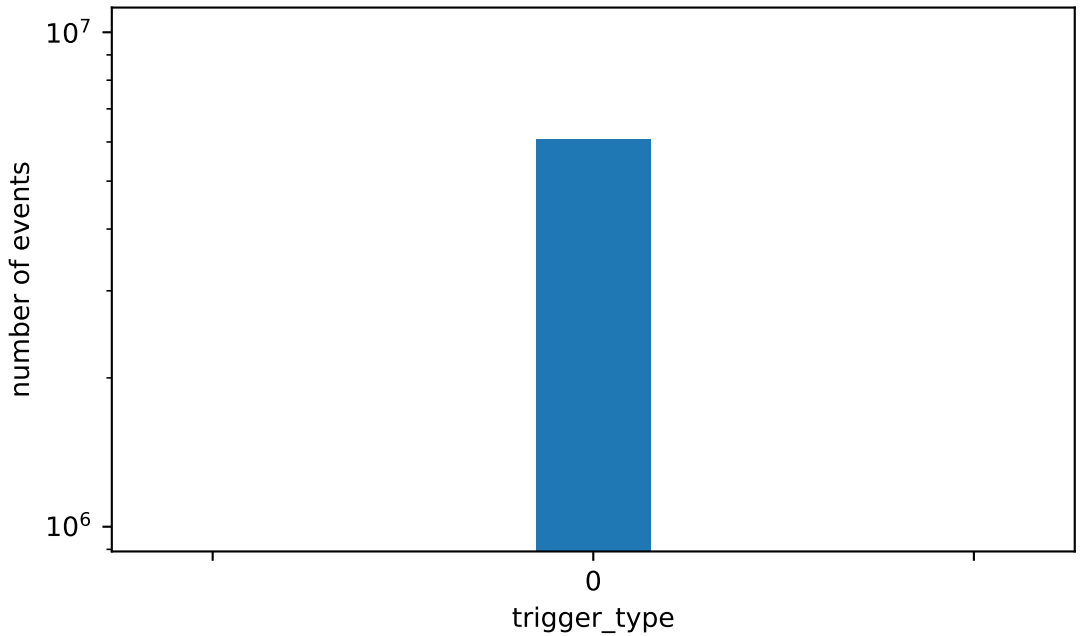
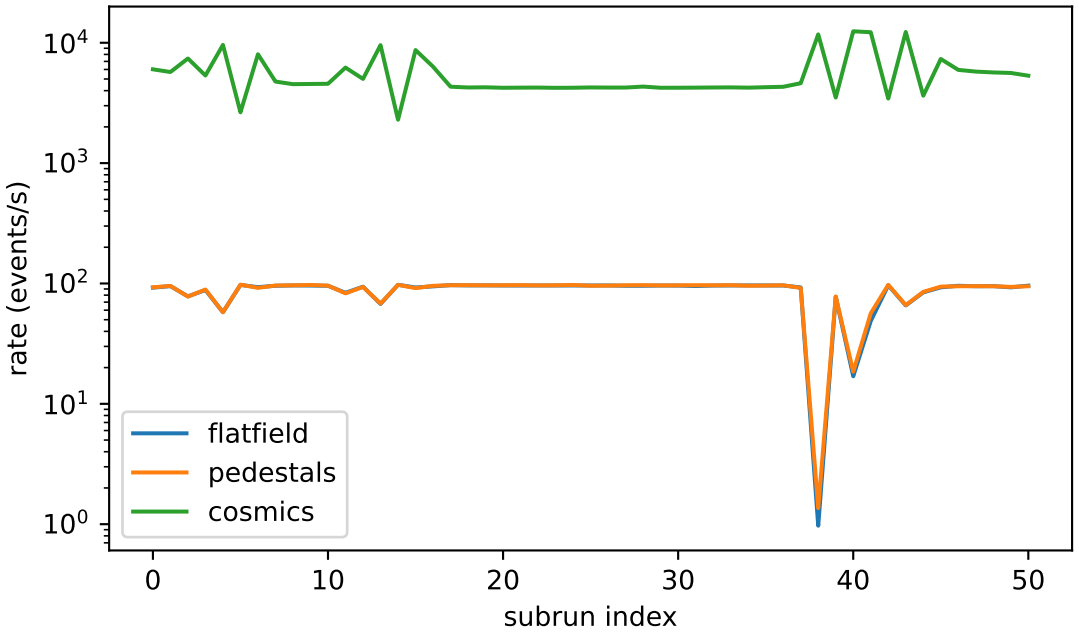
datacheck_dl1_LST-1.Run25203.h5

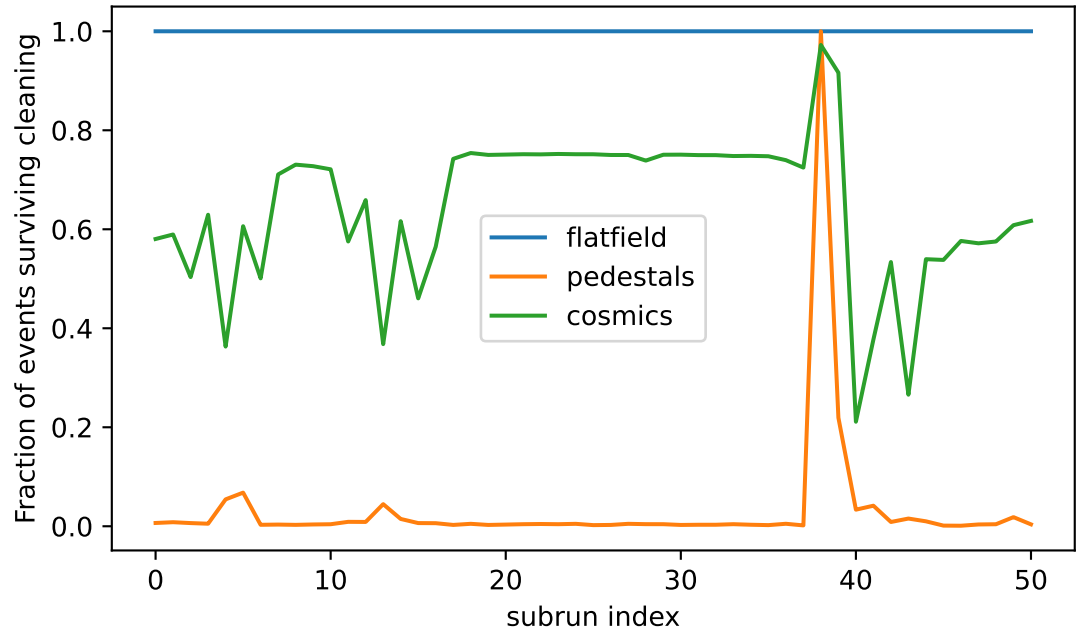
First shower event UTC:

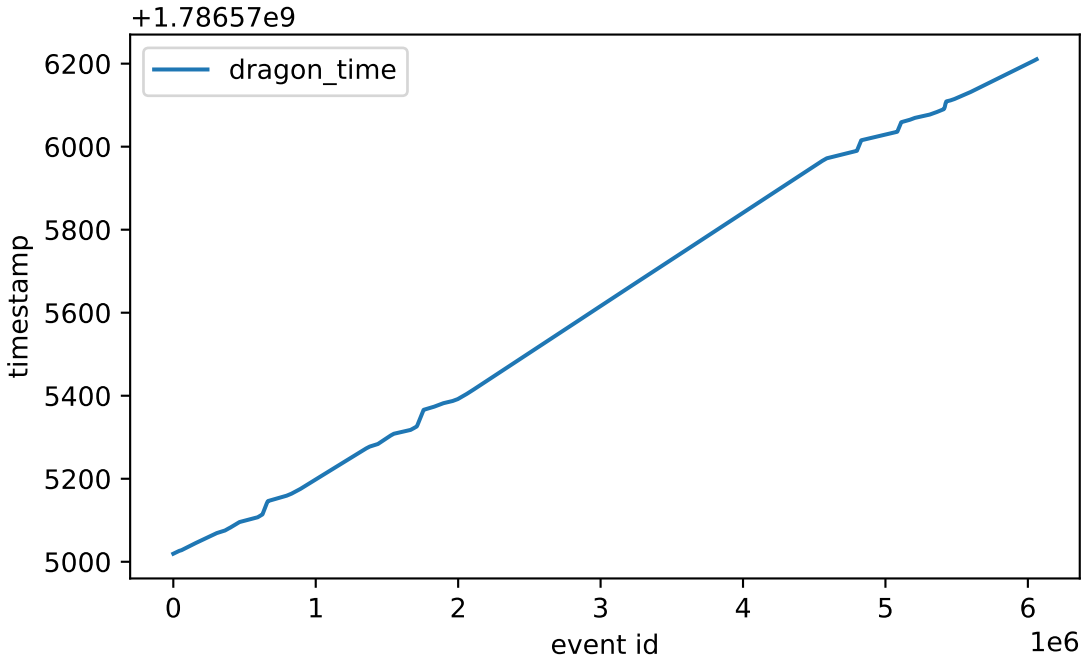
(from Dragon time): 2026-08-12 22:50:19.389739

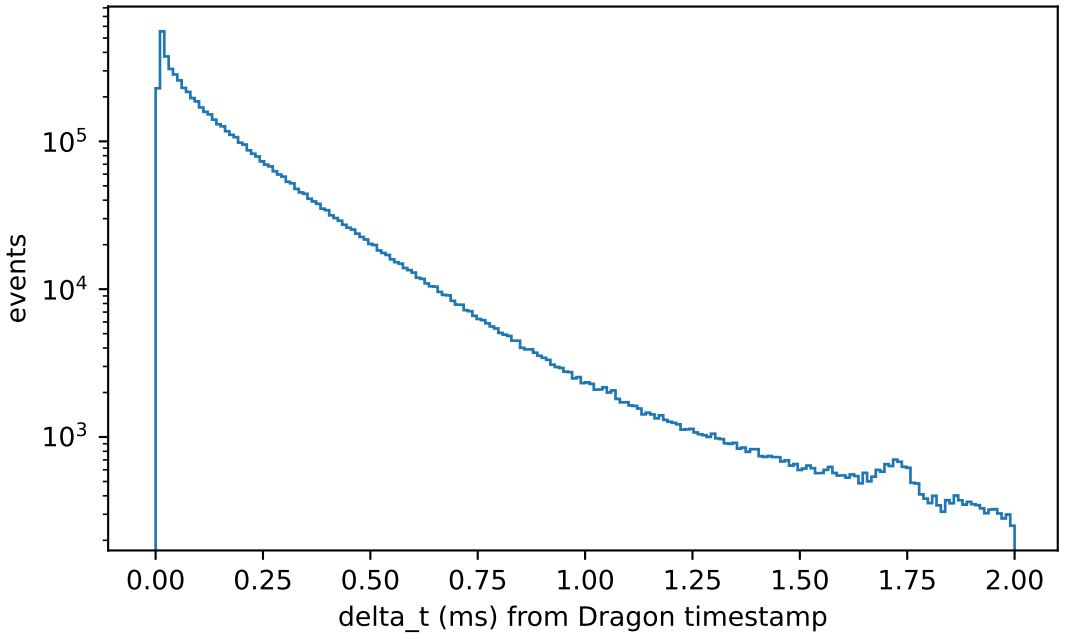

number of events
ucts_trigger_type
1
4
5
32
33
37

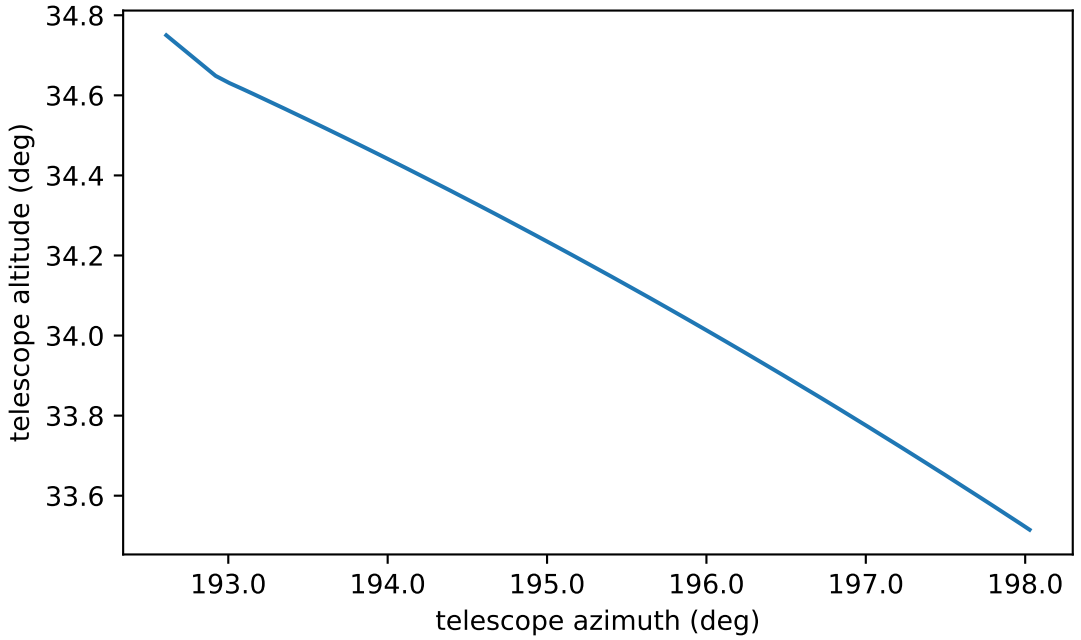

number of events
trigger_type
0

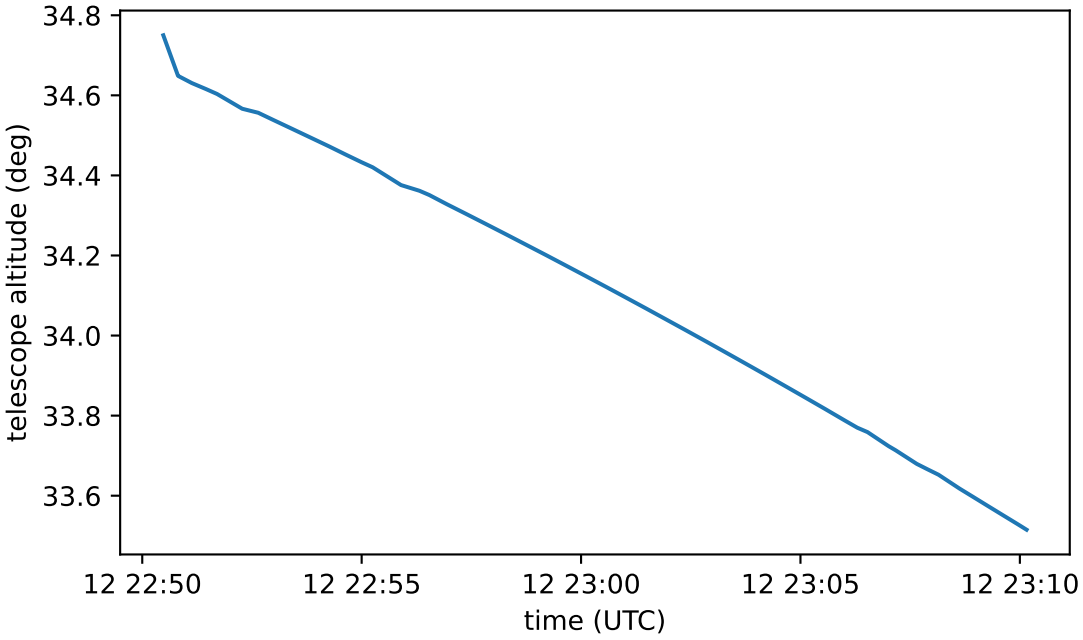

rate (events/s)
subrun index
flatfield
pedestals
cosmics


Fraction of events surviving cleaning
subrun index
flatfield
pedestals
cosmics

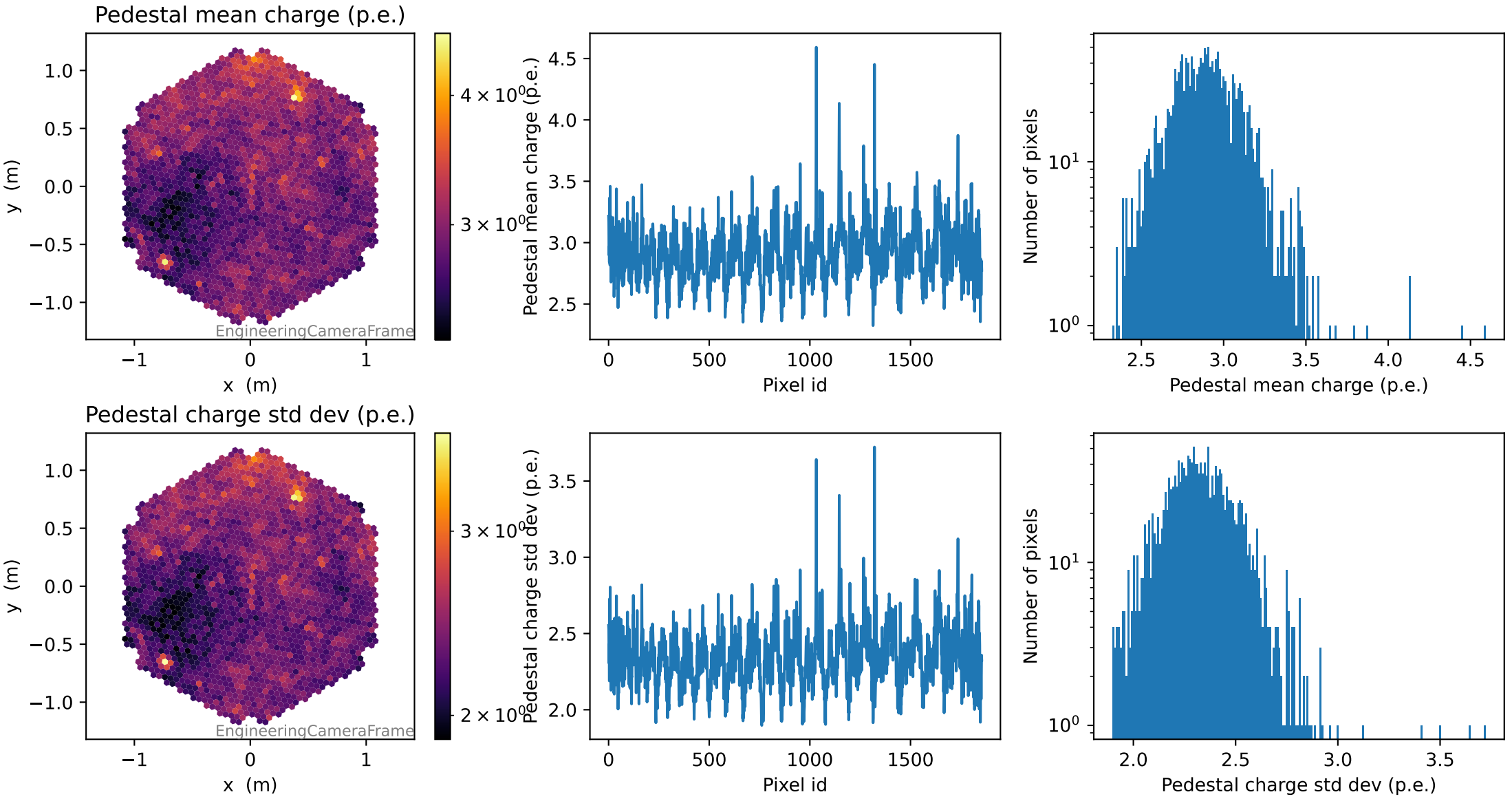

+1.78657e9
dragon_time
timestamp
6200
6000
5800
5600
5400
5200
5000
0
1
2
3
4
5
6
1e6
event id


events
10^5
10^4
10^3
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
delta_t (ms) from Dragon timestamp

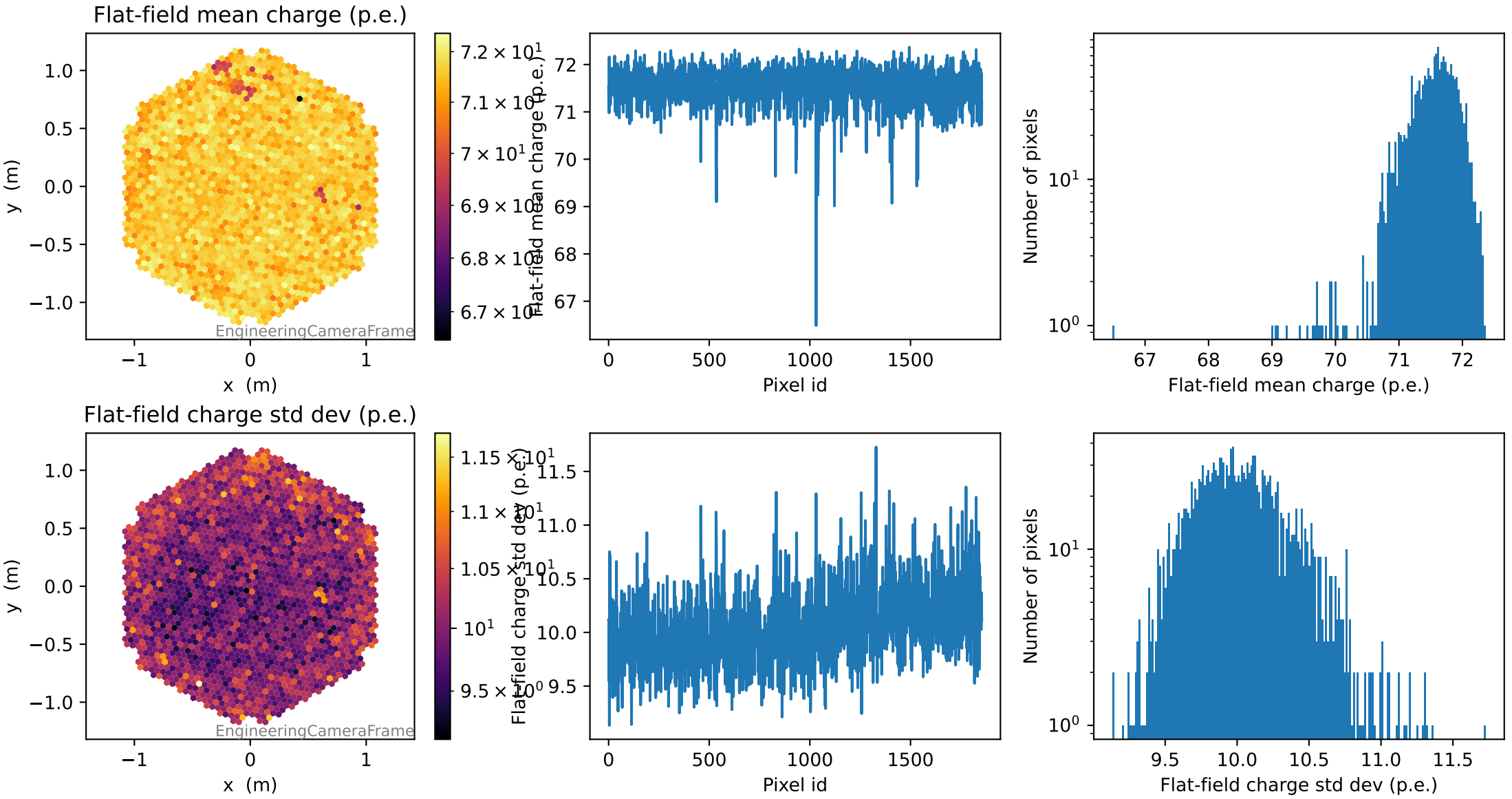

telescope altitude (deg)
34.8
34.6
34.4
34.2
34.0
33.8
33.6
193.0
194.0
195.0
196.0
197.0
198.0
telescope azimuth (deg)

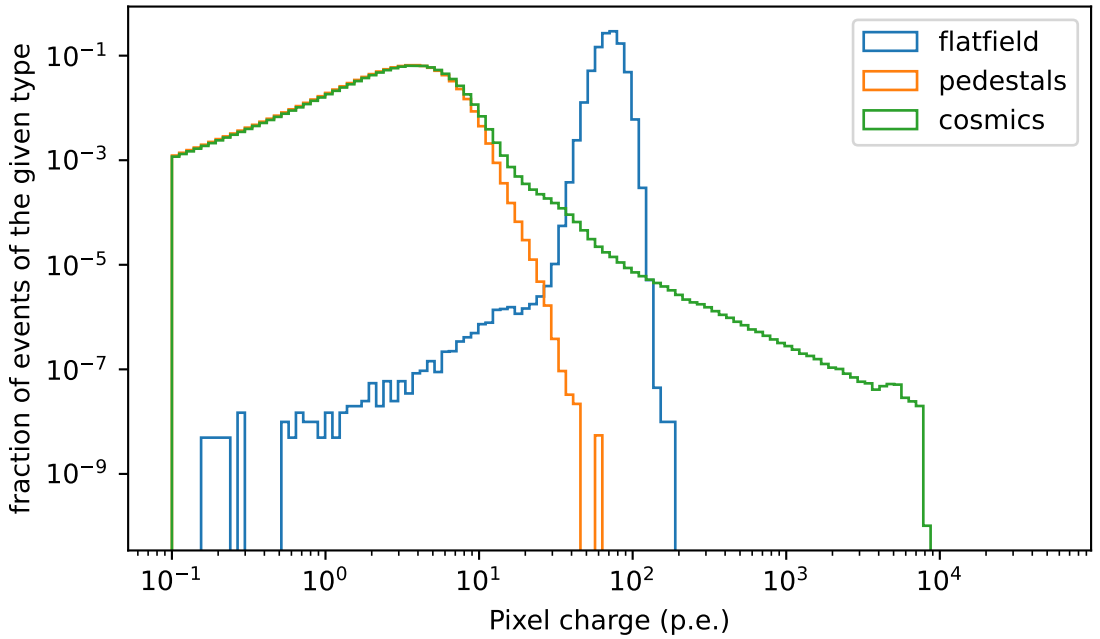

telescope altitude (deg)
34.8
34.6
34.4
34.2
34.0
33.8
33.6
12 22:50
12 22:55
12 23:00
12 23:05
12 23:10
time (UTC)

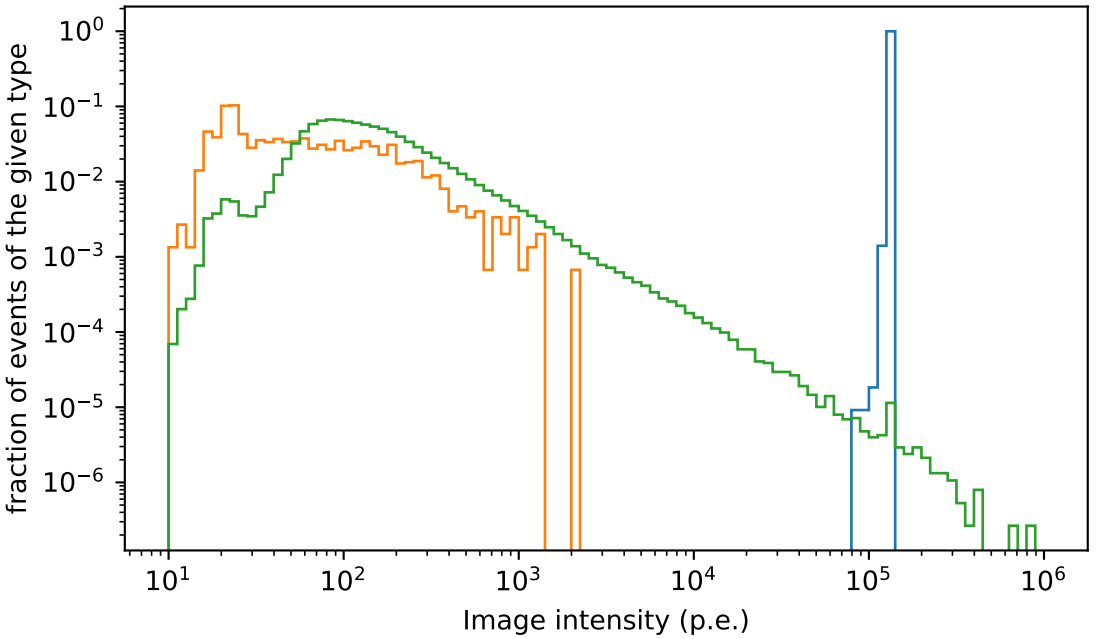
PEDESTALS, pixel-wise charge info

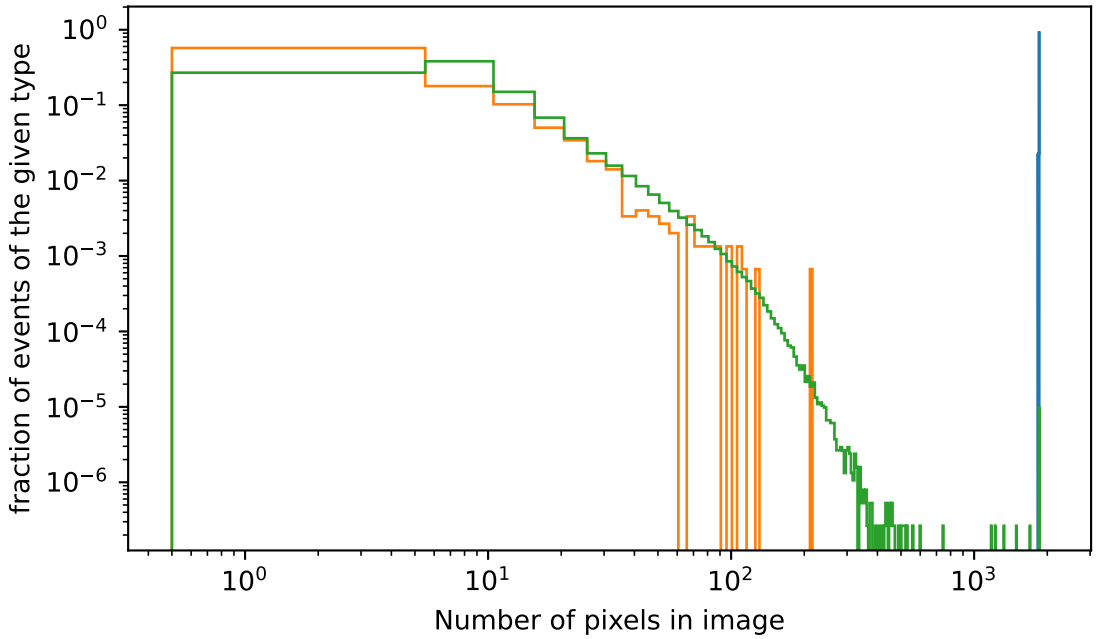


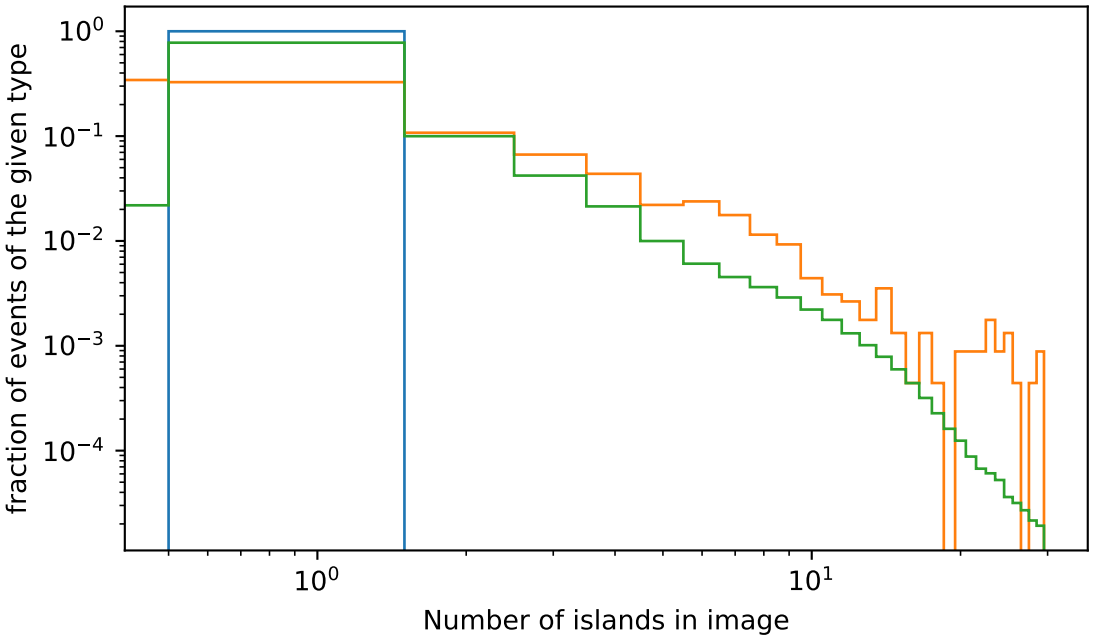
FLATFIELD, pixel-wise charge info



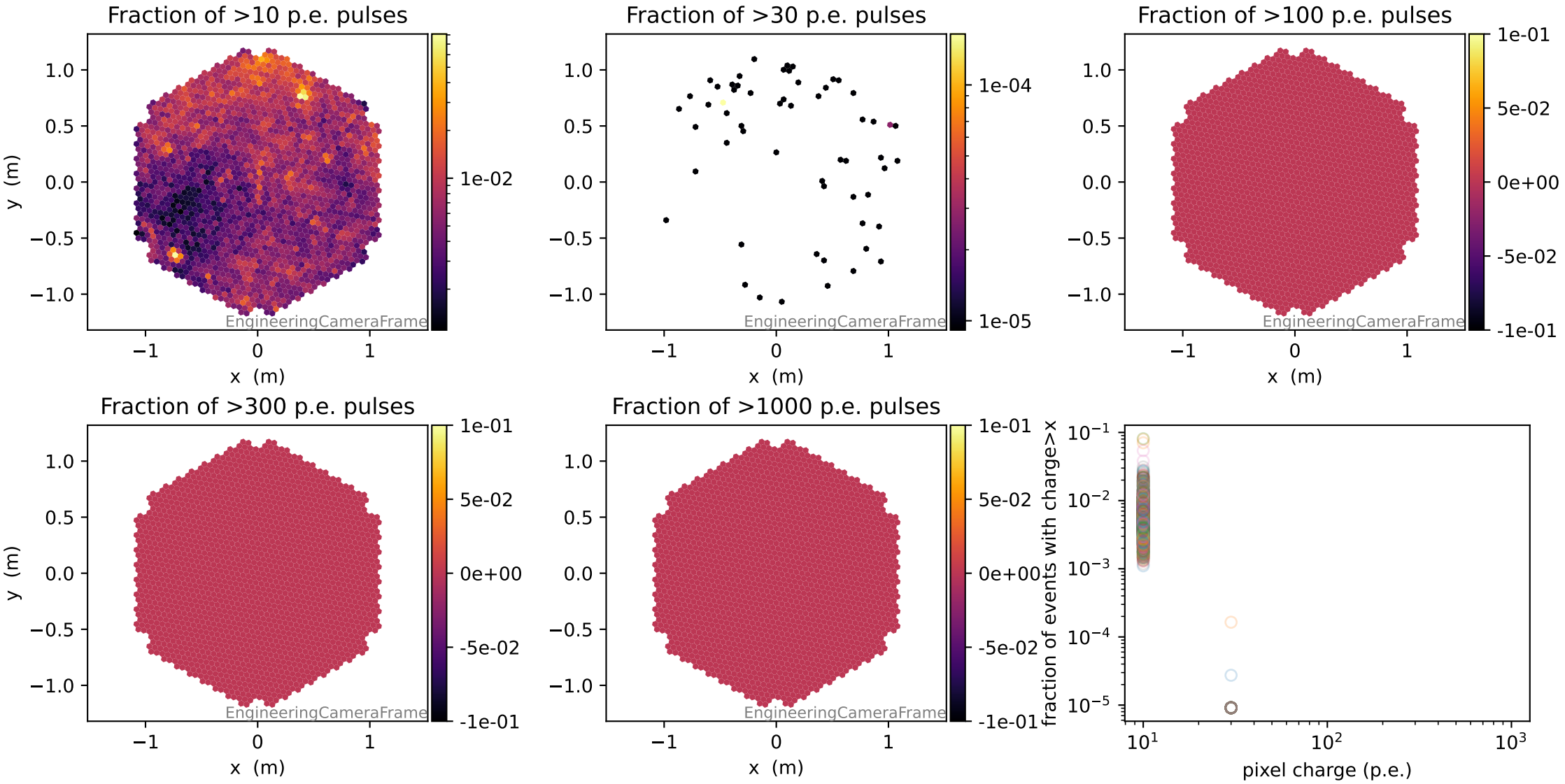

flatfield
pedestals
cosmics
fraction of events of the given type
Pixel charge (p.e.)

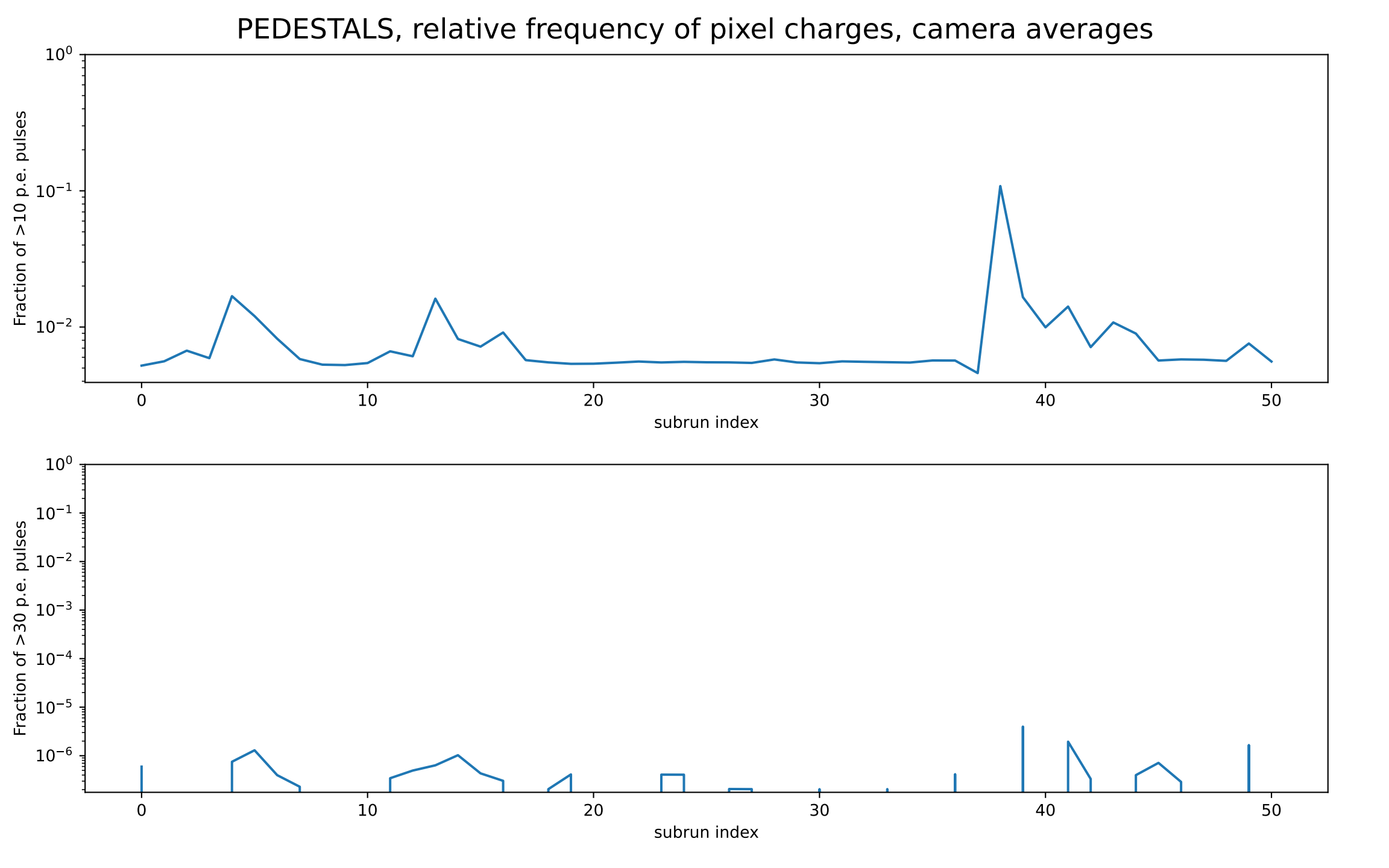

fraction of events of the given type
Image intensity (p.e.)


fraction of events of the given type
Number of pixels in image

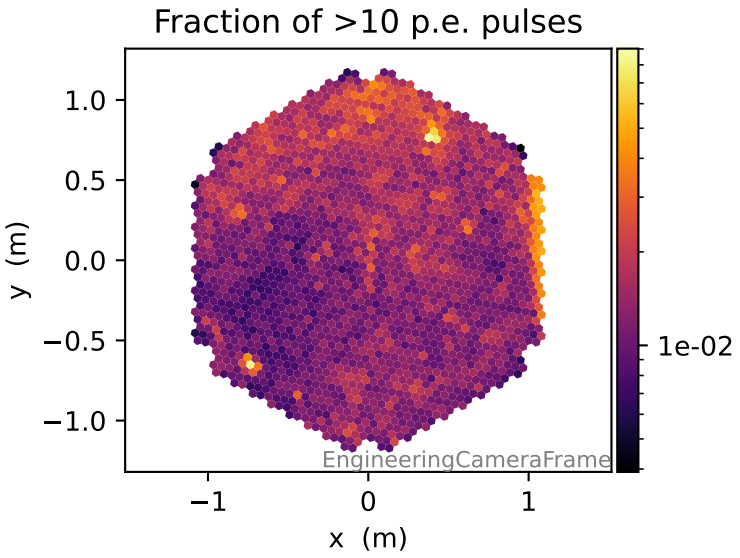

fraction of events of the given type
Number of islands in image

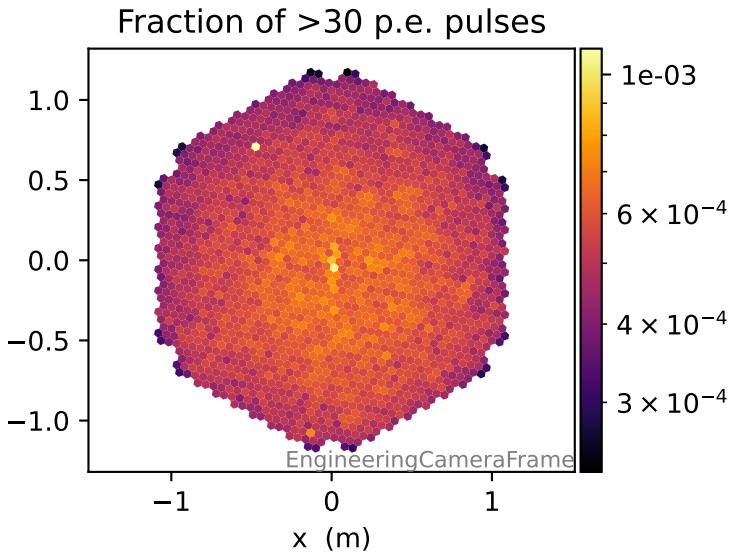
PEDESTALS, relative frequency of pixel charges

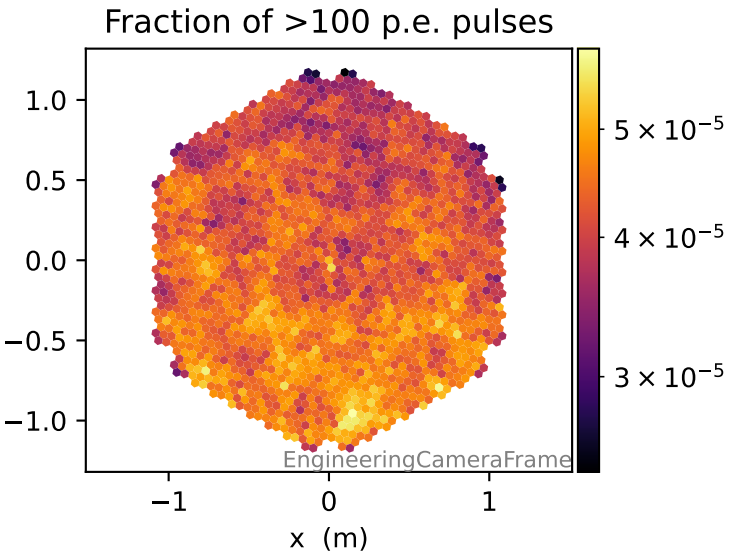


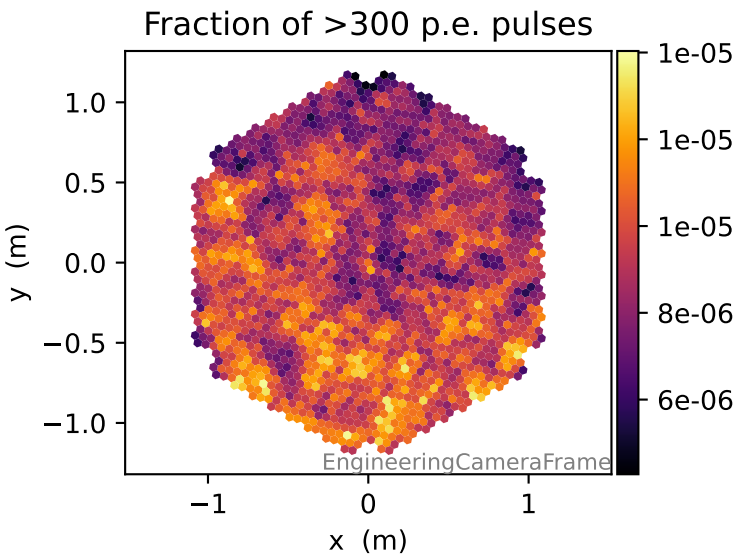

PEDESTALS, relative frequency of pixel charges, camera averages
Fraction of >10 p.e. pulses
10^0
10^{-1}
10^{-2}
0
10
20
30
40
50
subrun index
Fraction of >30 p.e. pulses
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
0
10
20
30
40
50
subrun index

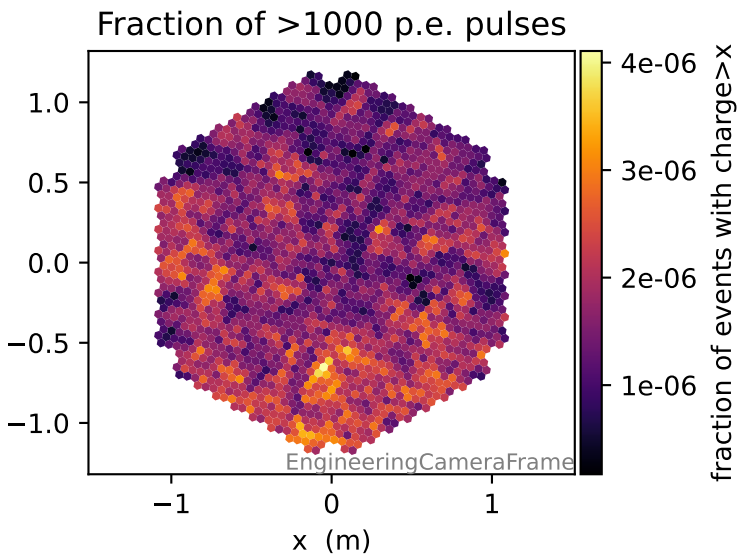
COSMICS, relative frequency of pixel charges

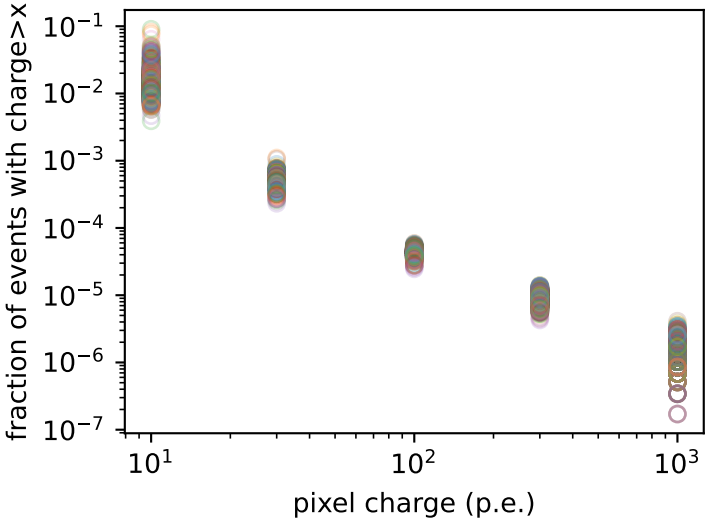


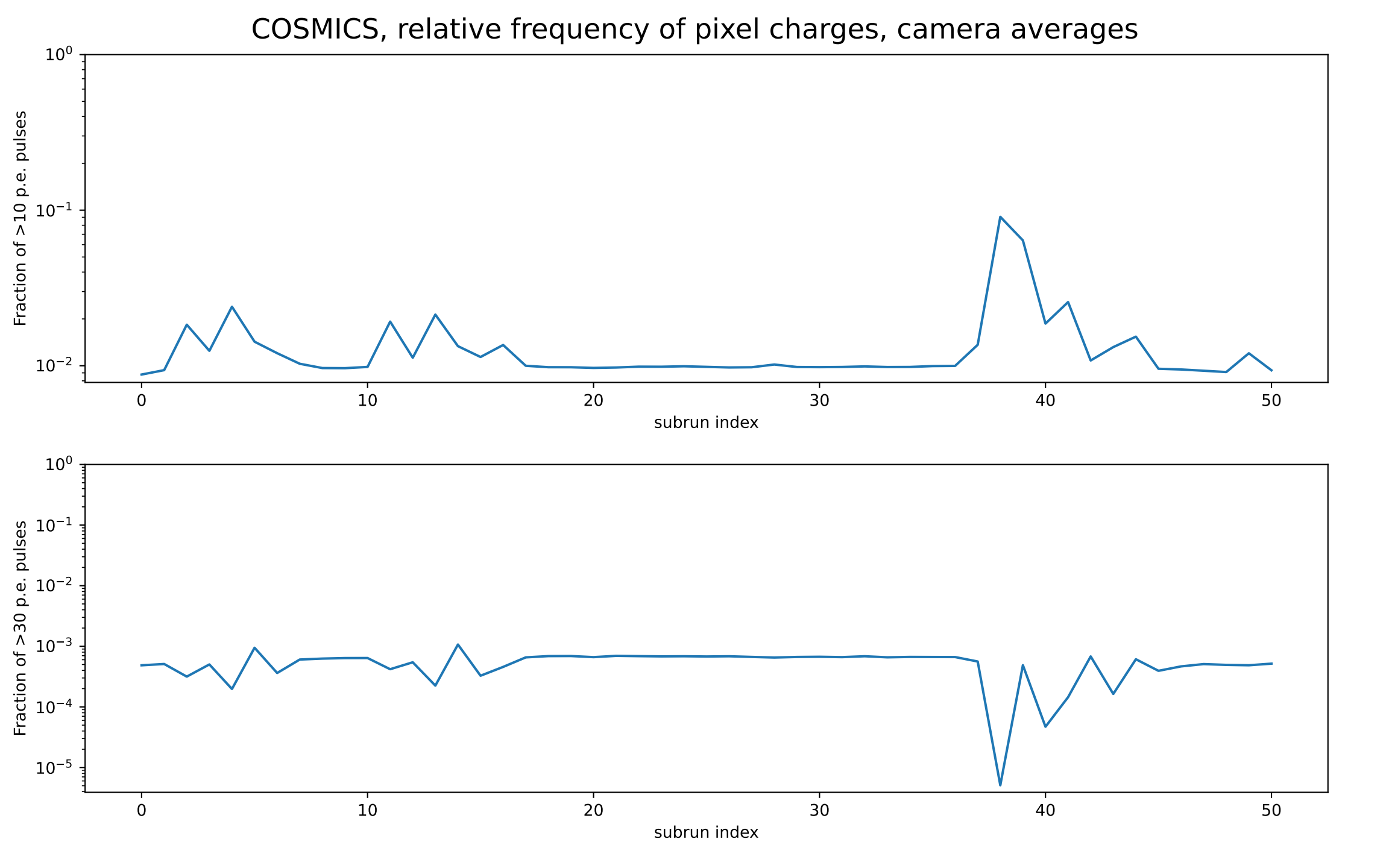




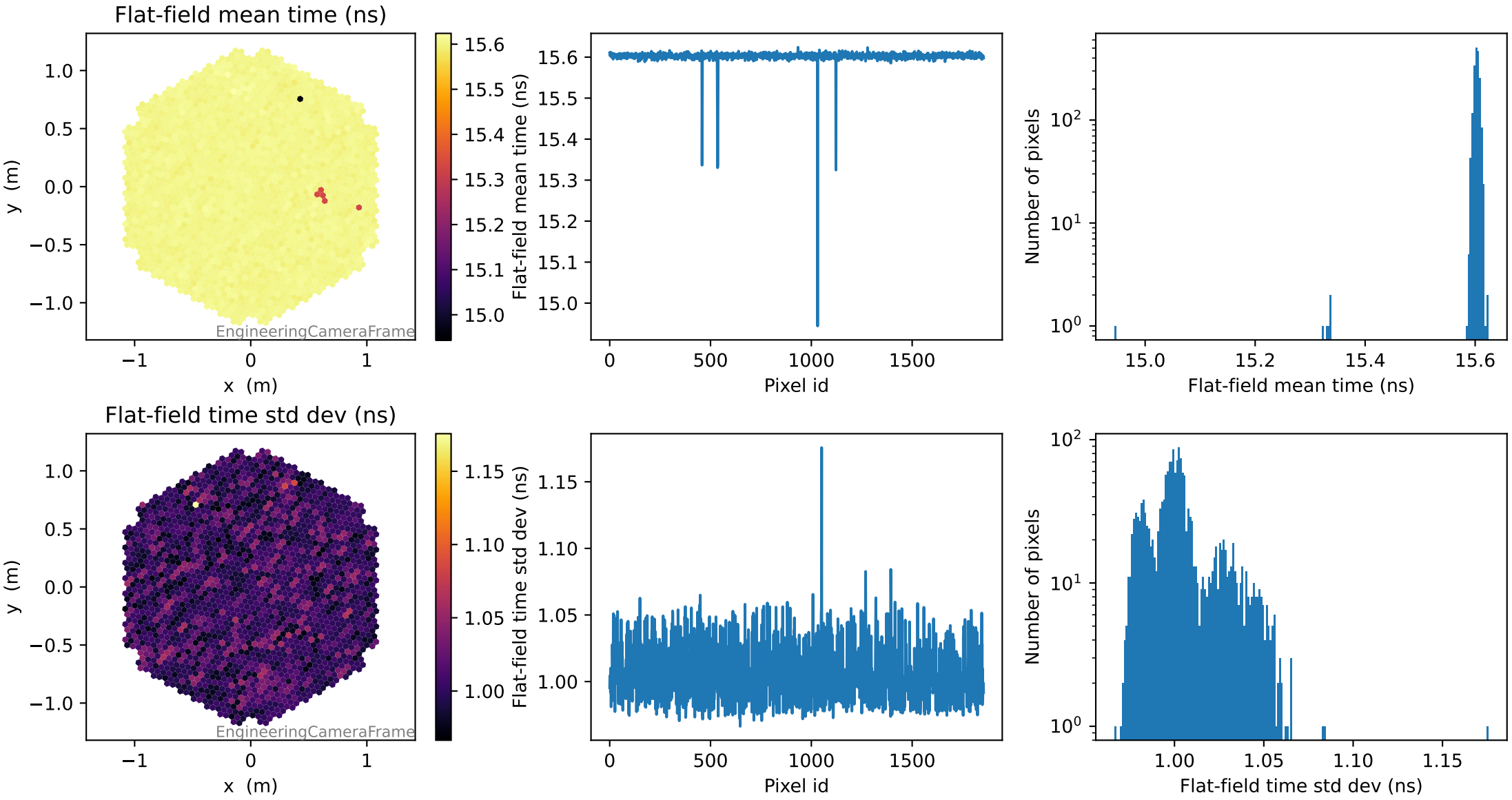


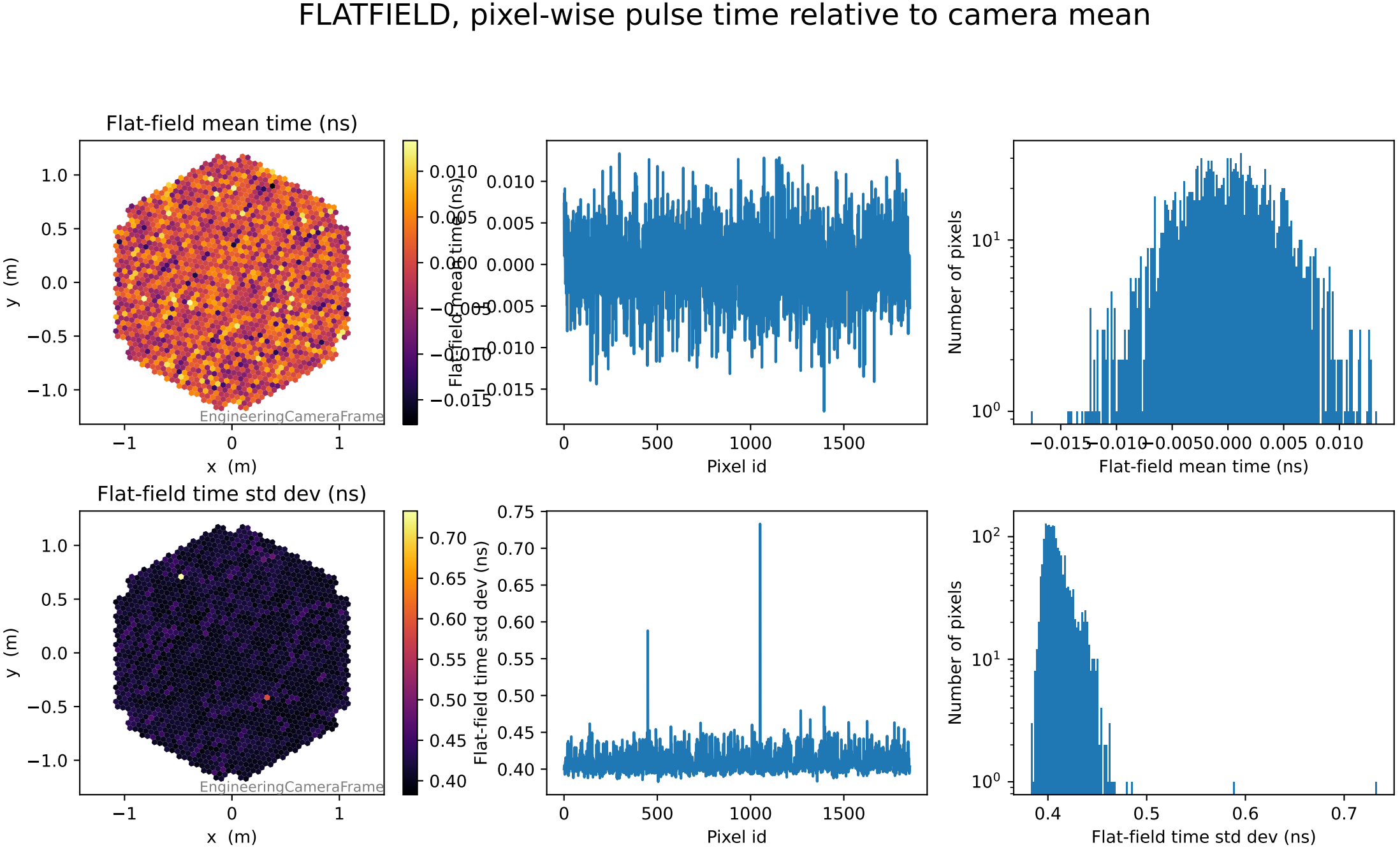




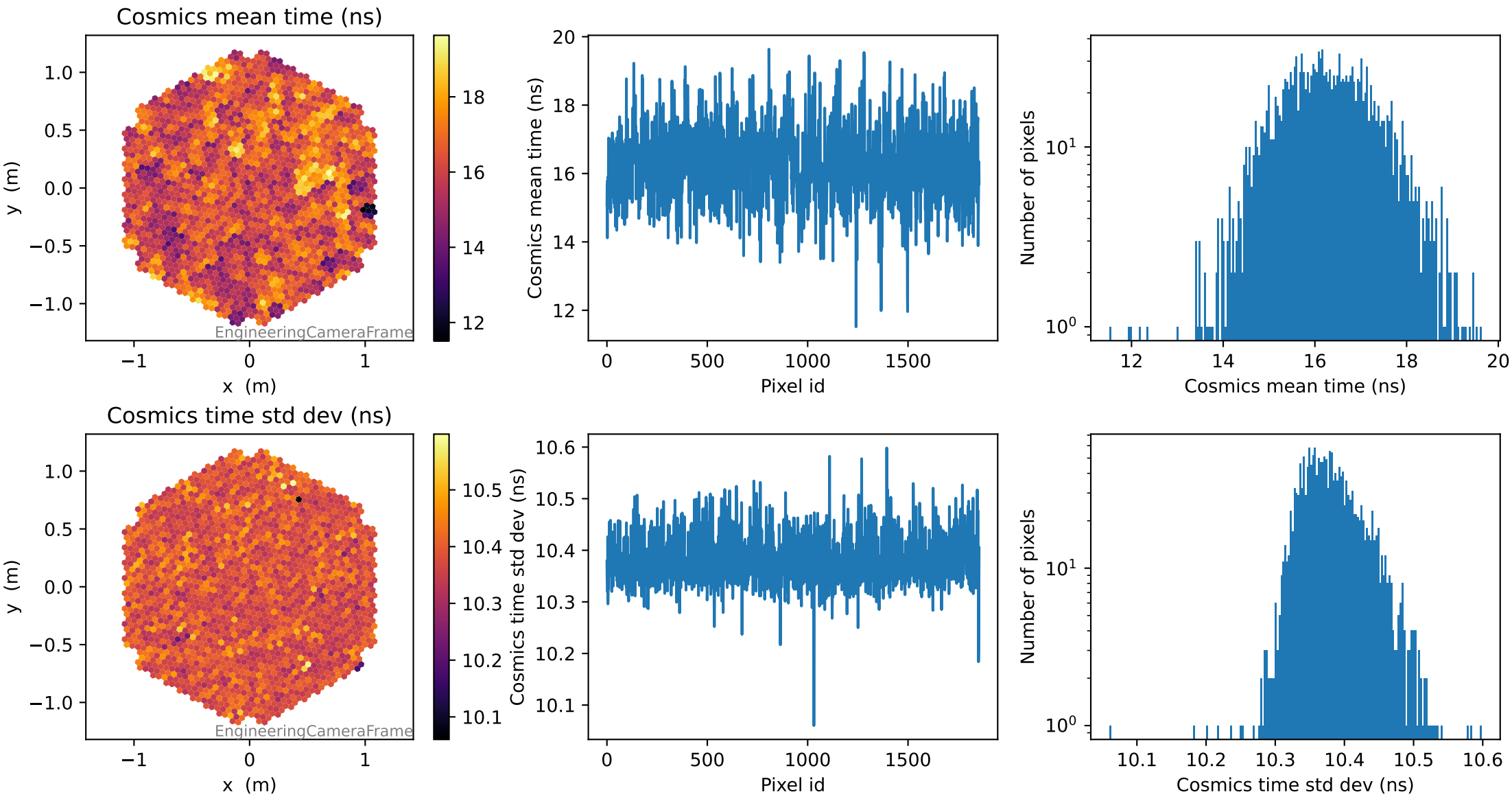

COSMICS, relative frequency of pixel charges, camera averages
Fraction of >10 p.e. pulses
10^0
10^{-1}
10^{-2}
0
10
20
30
40
50
subrun index
Fraction of >30 p.e. pulses
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
10
20
30
40
50
subrun index

FLATFIELD, pixel-wise pulse time info

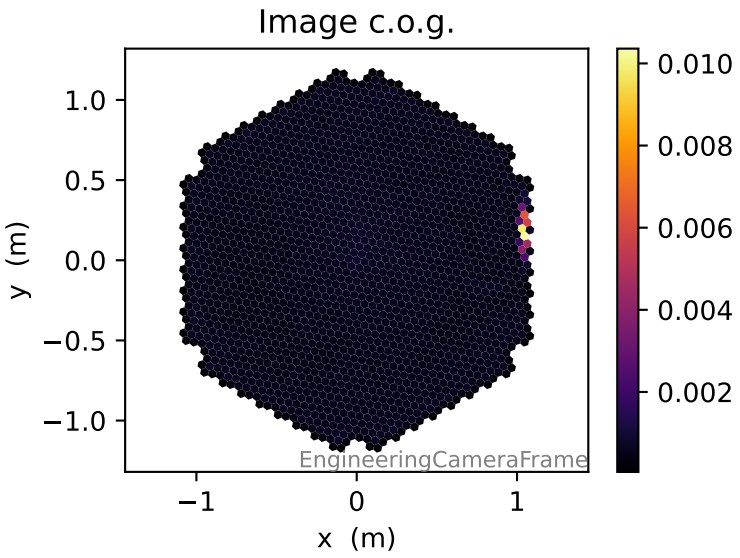


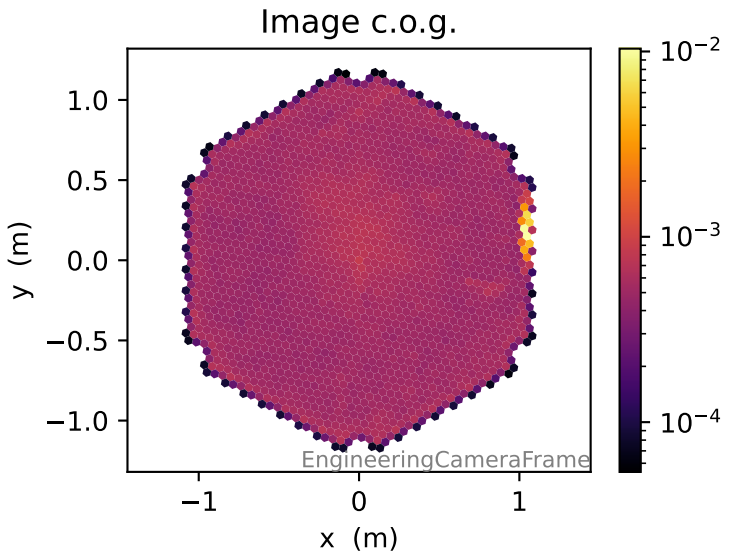

FLATFIELD, pixel-wise pulse time relative to camera mean
Flat-field mean time (ns)
EngineeringCameraFrame
x (m)
y (m)
Flat-field mean time (ns)
Pixel id
Number of pixels
Flat-field mean time (ns)
Flat-field time std dev (ns)
EngineeringCameraFrame
x (m)
y (m)
Flat-field time std dev (ns)
Pixel id
Number of pixels
Flat-field time std dev (ns)

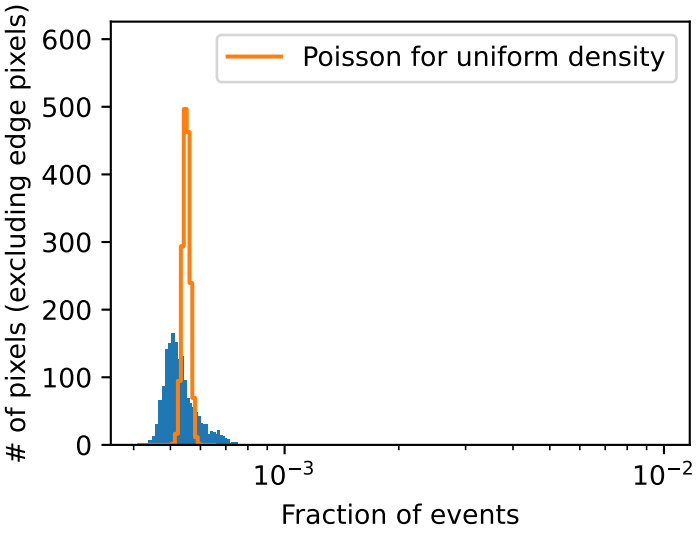
COSMICS, pixel-wise pulse time info for pixel charge > 1 p.e.

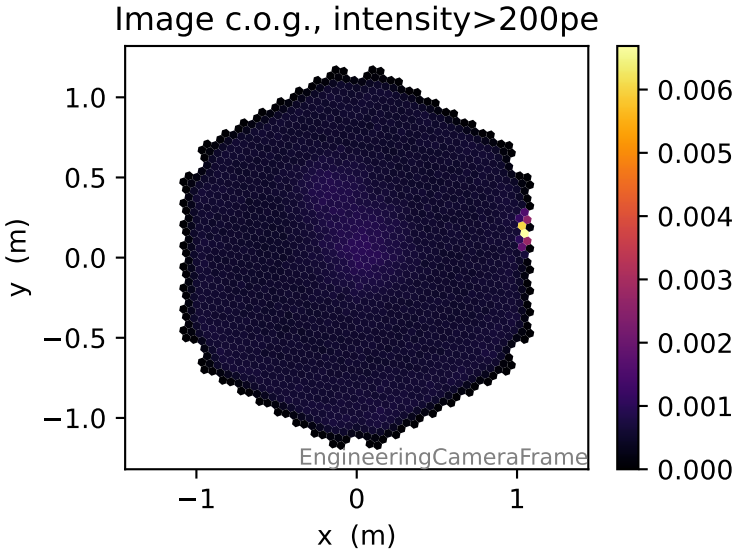


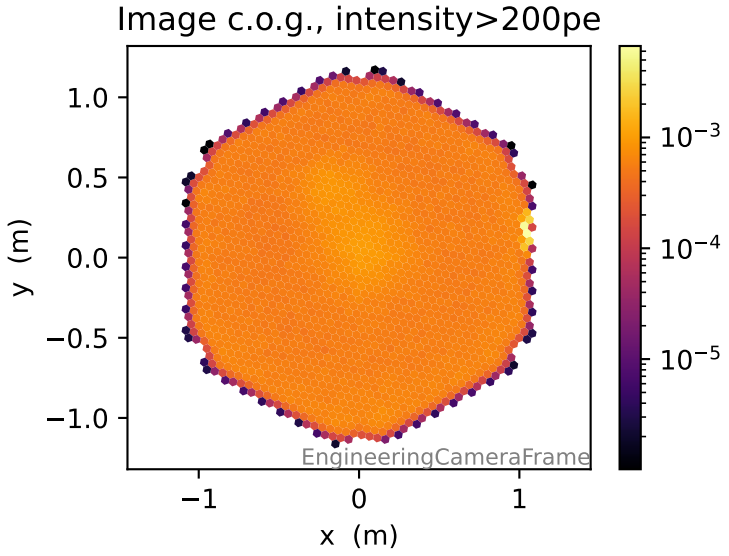
COSMICS, image c.o.g. position

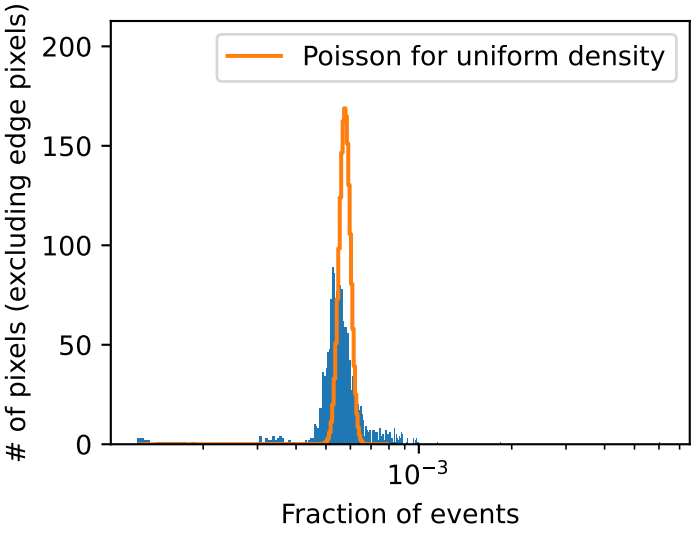




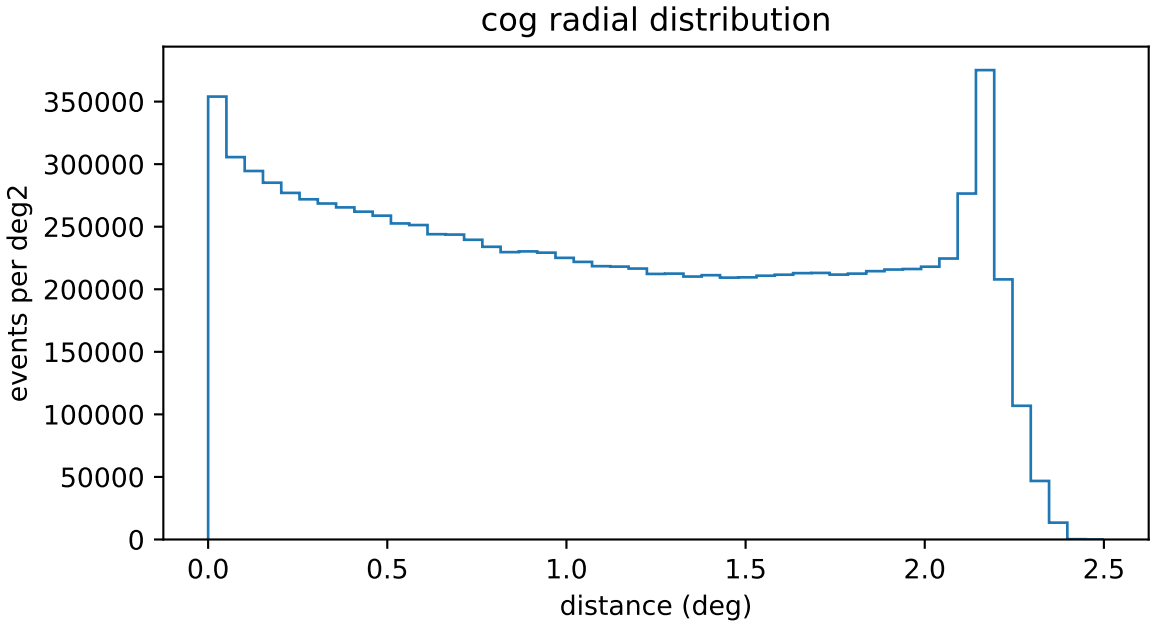


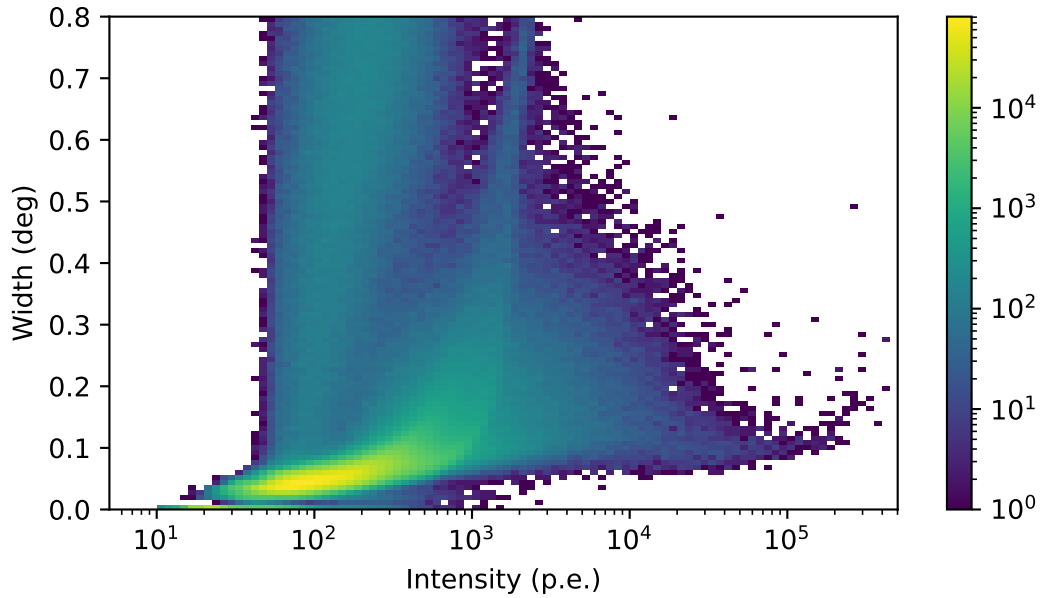


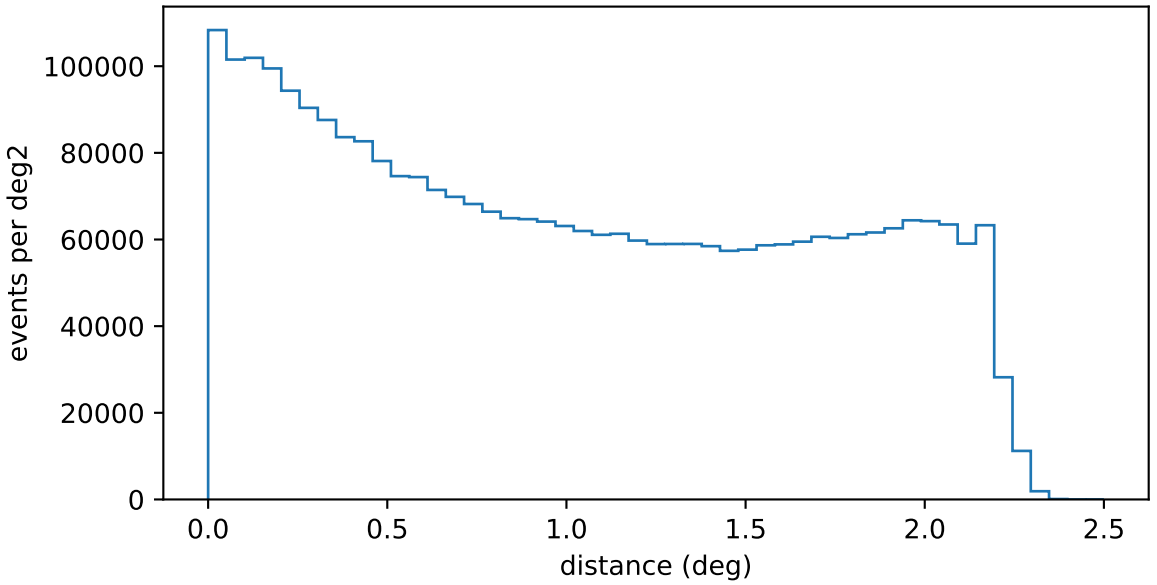


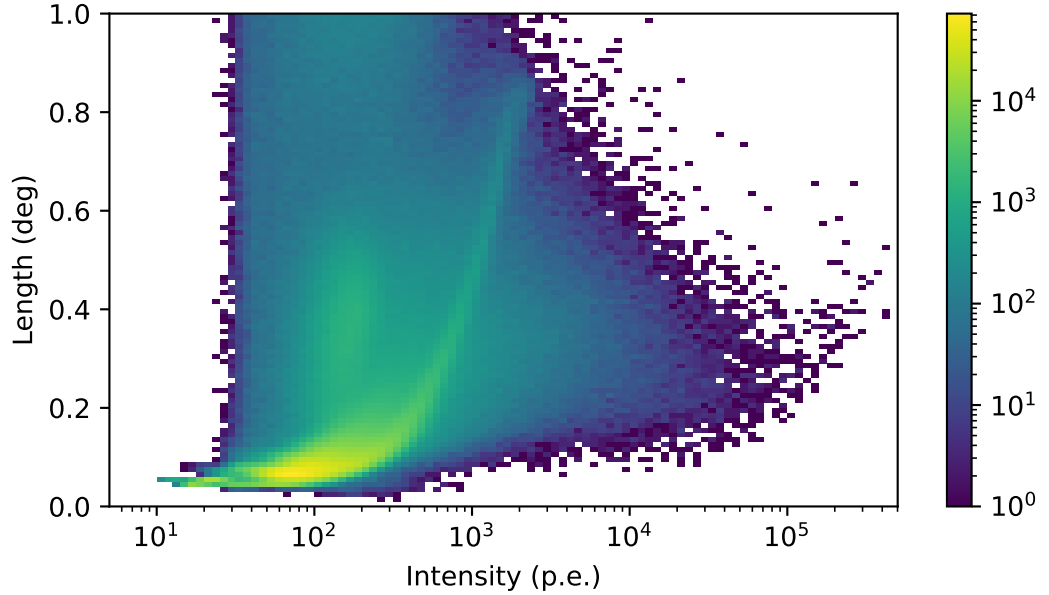


COSMICS, image parameters

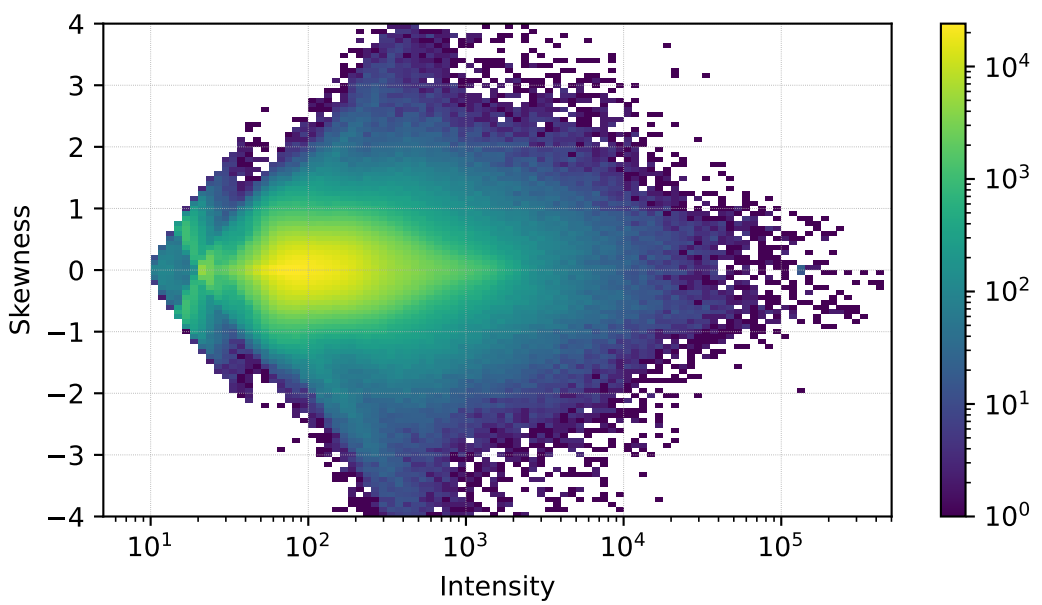


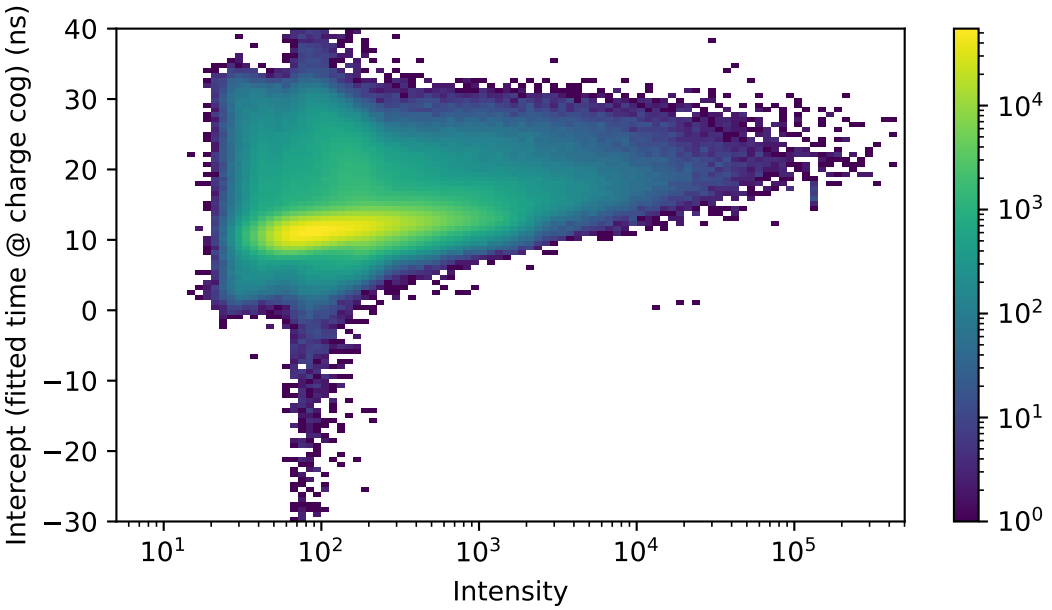


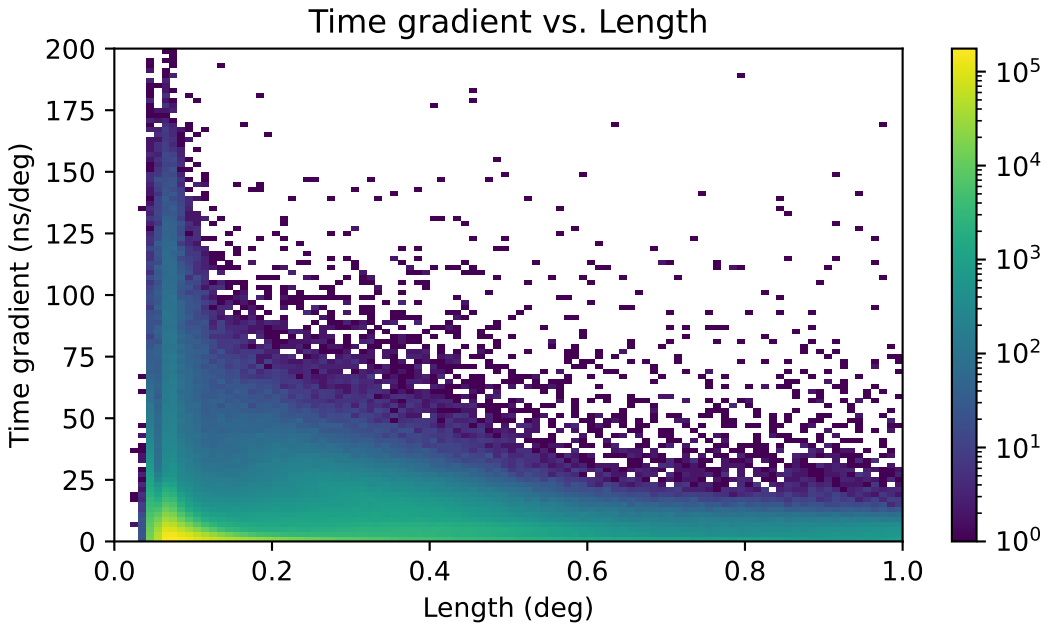


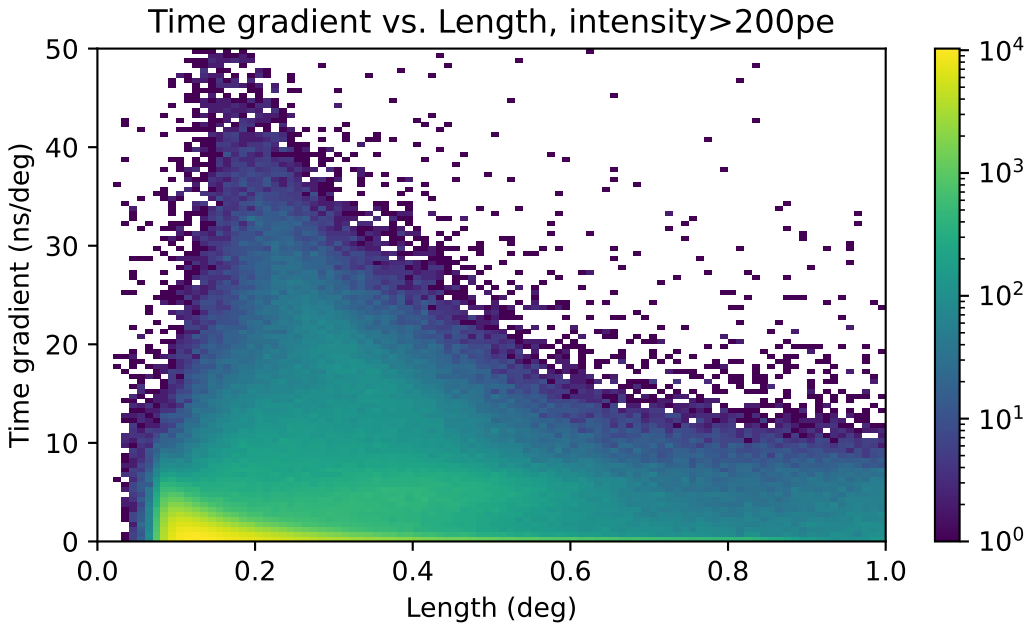


COSMICS, image parameters

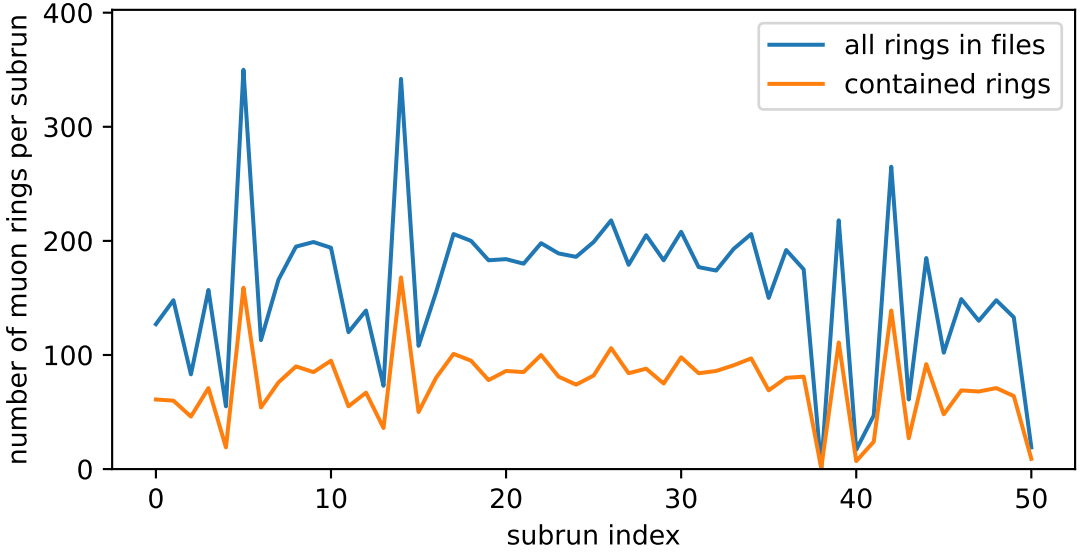


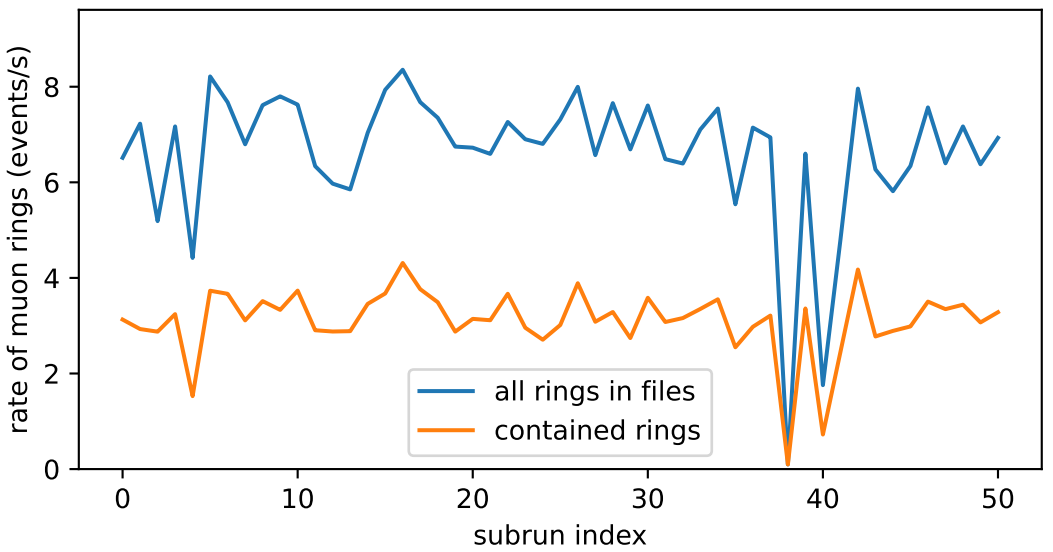


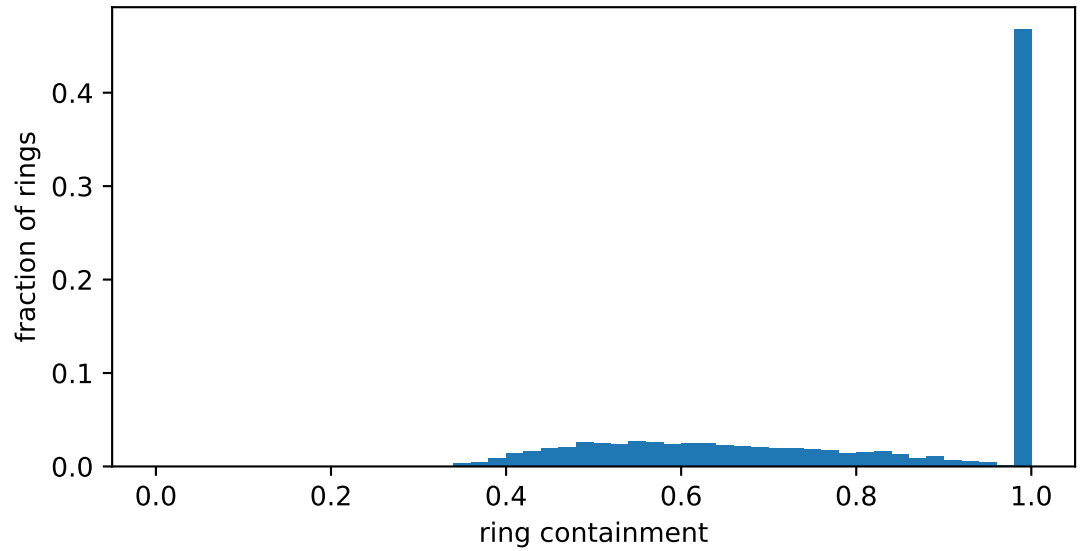


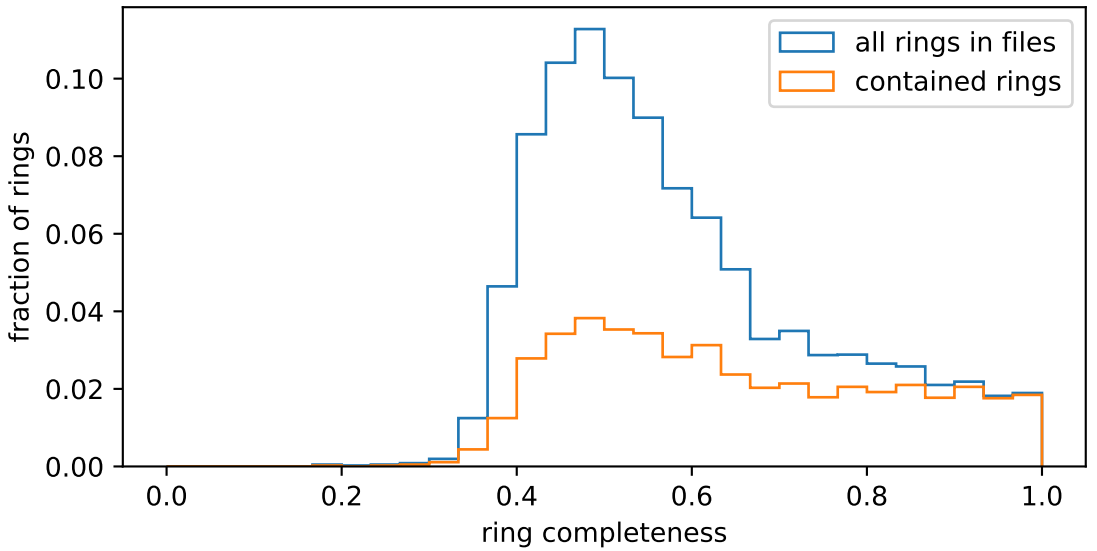


MUON RINGS

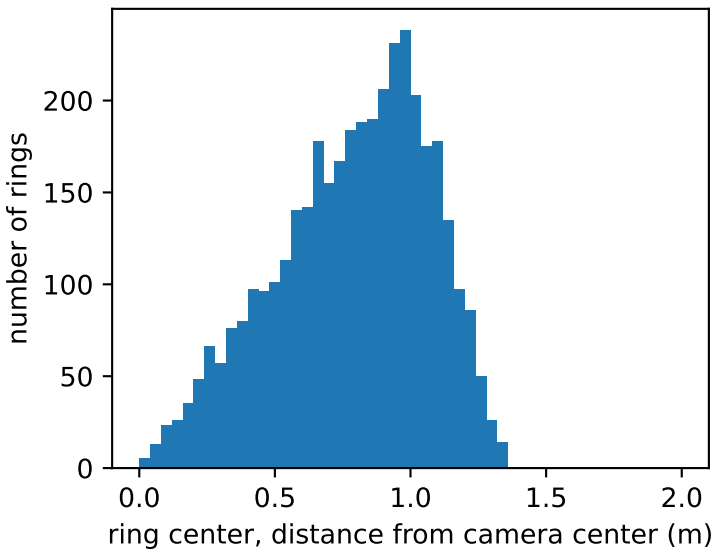

number of muon rings per subrun
subrun index
all rings in files
contained rings

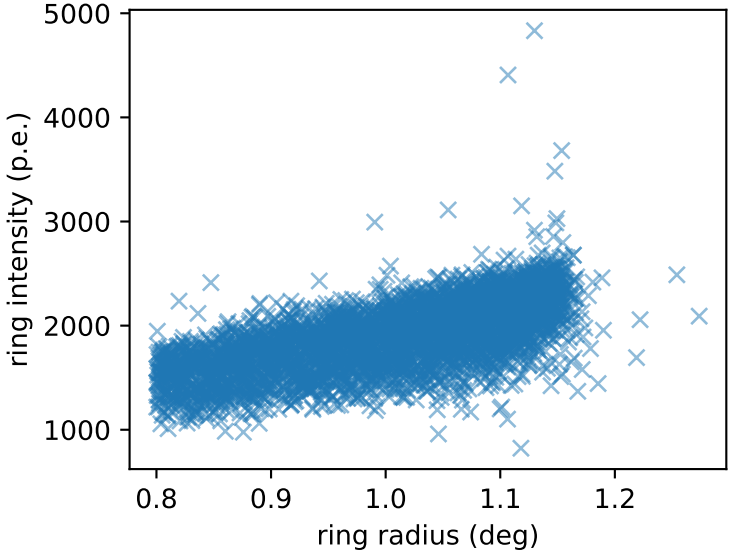

rate of muon rings (events/s)
subrun index
all rings in files
contained rings

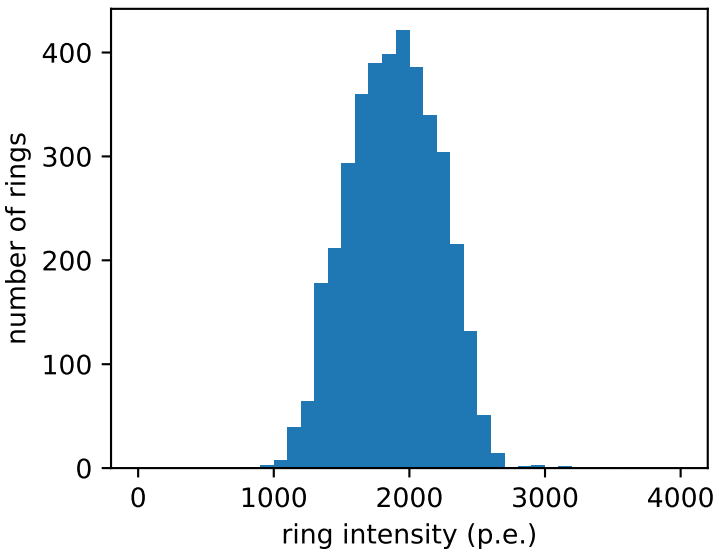

fraction of rings
ring containment

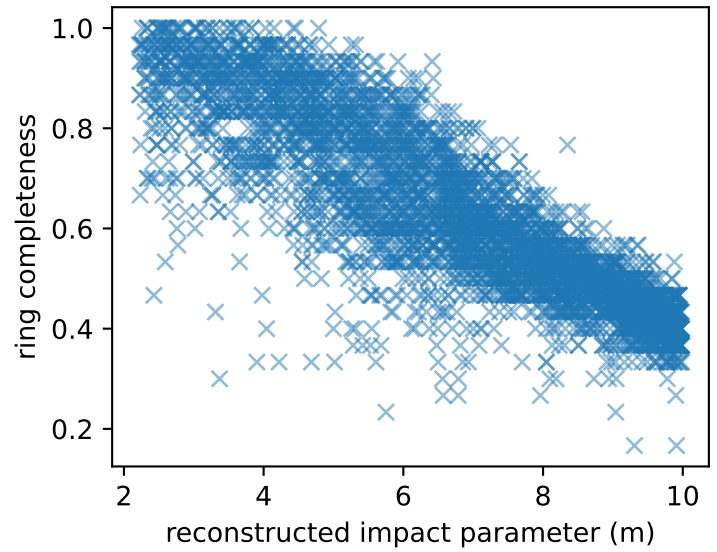

fraction of rings
ring completeness
all rings in files
contained rings

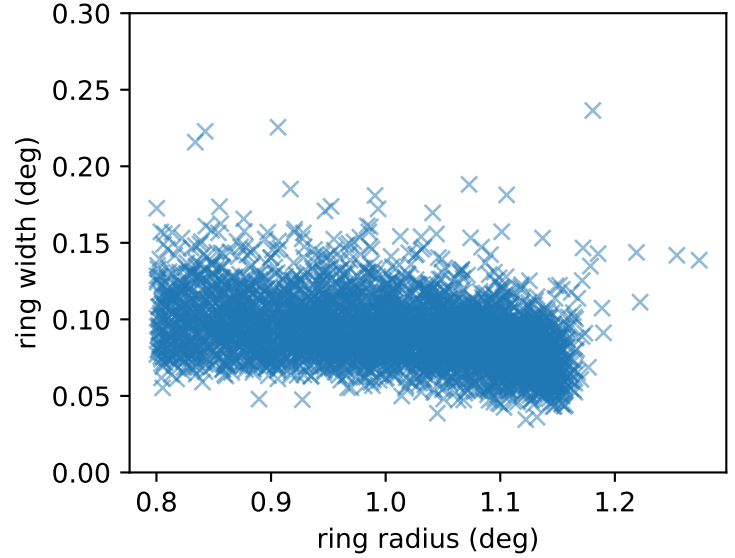
MUON RINGS with containment = 1

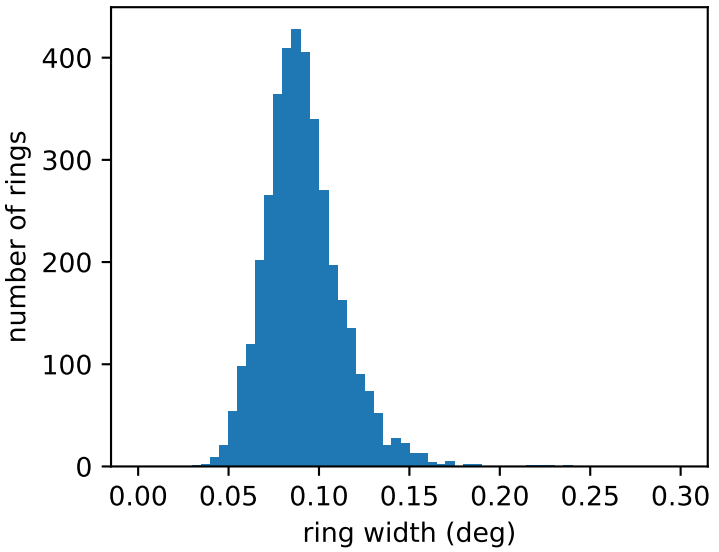












MUON RINGS with containment = 1