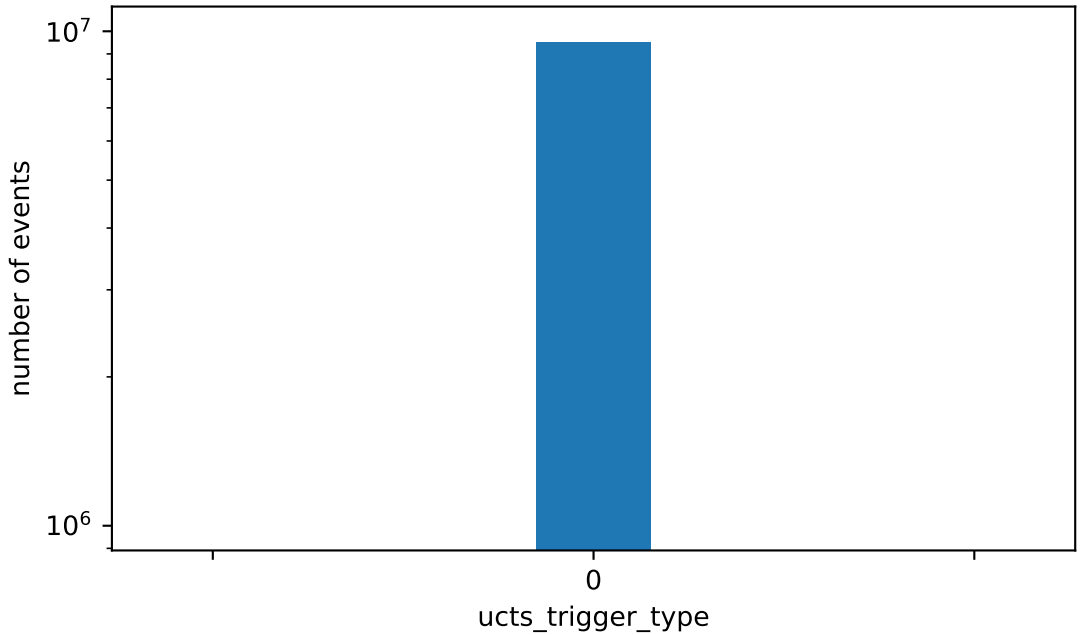
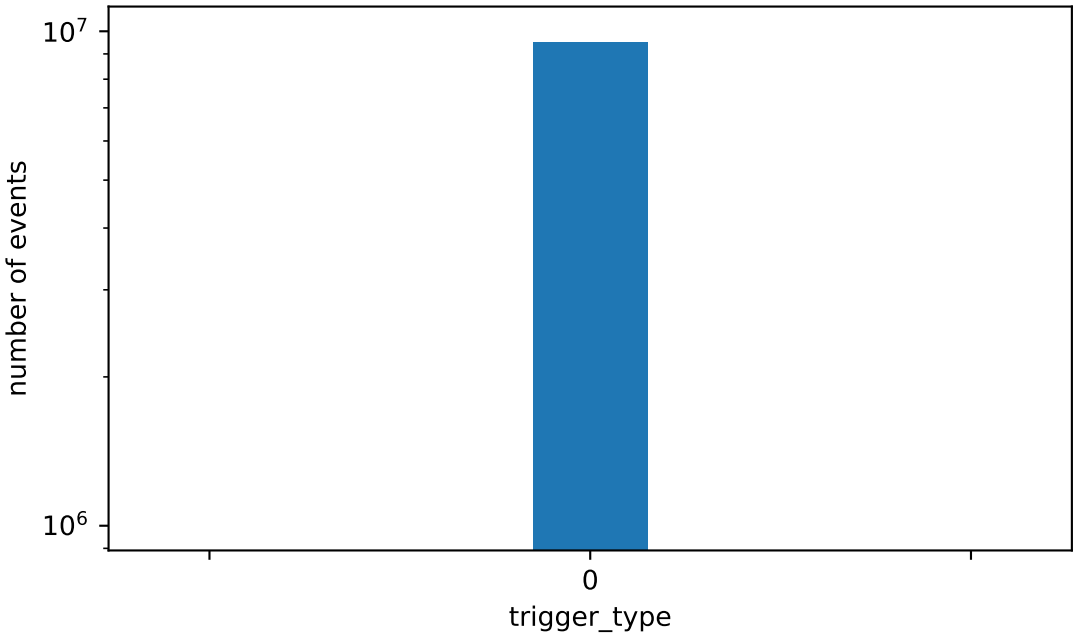
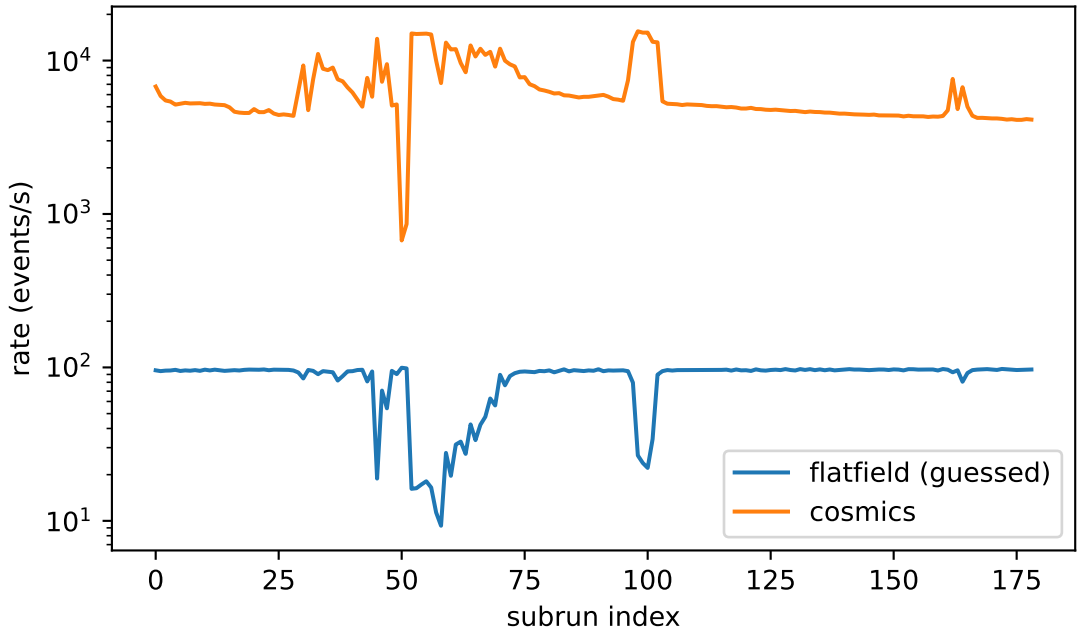
datacheck_dl1_LST-1.Run14578.h5

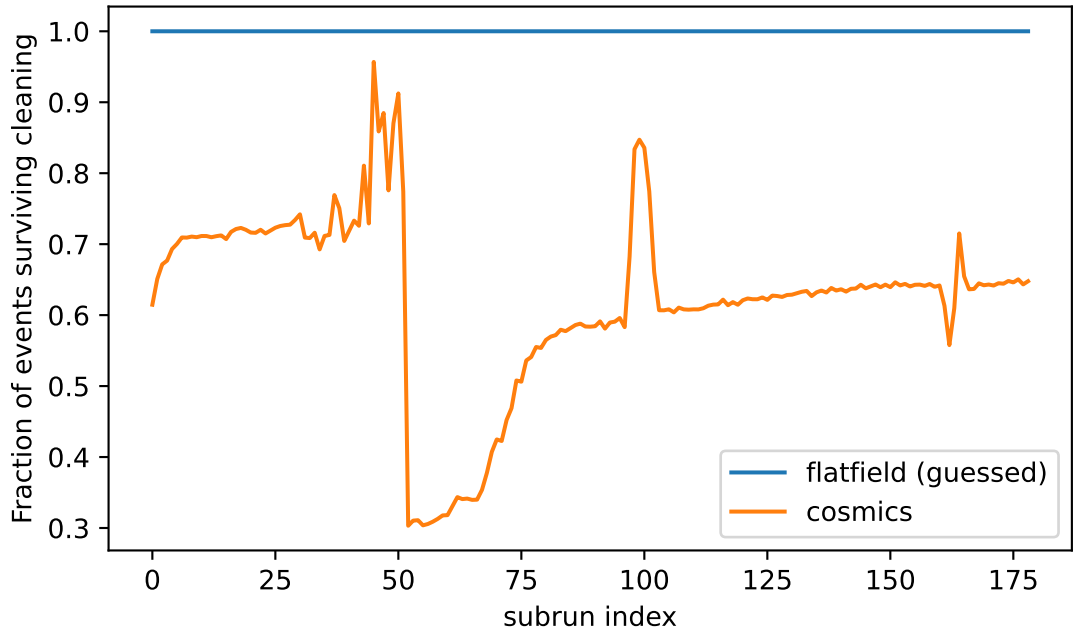
First shower event UTC:

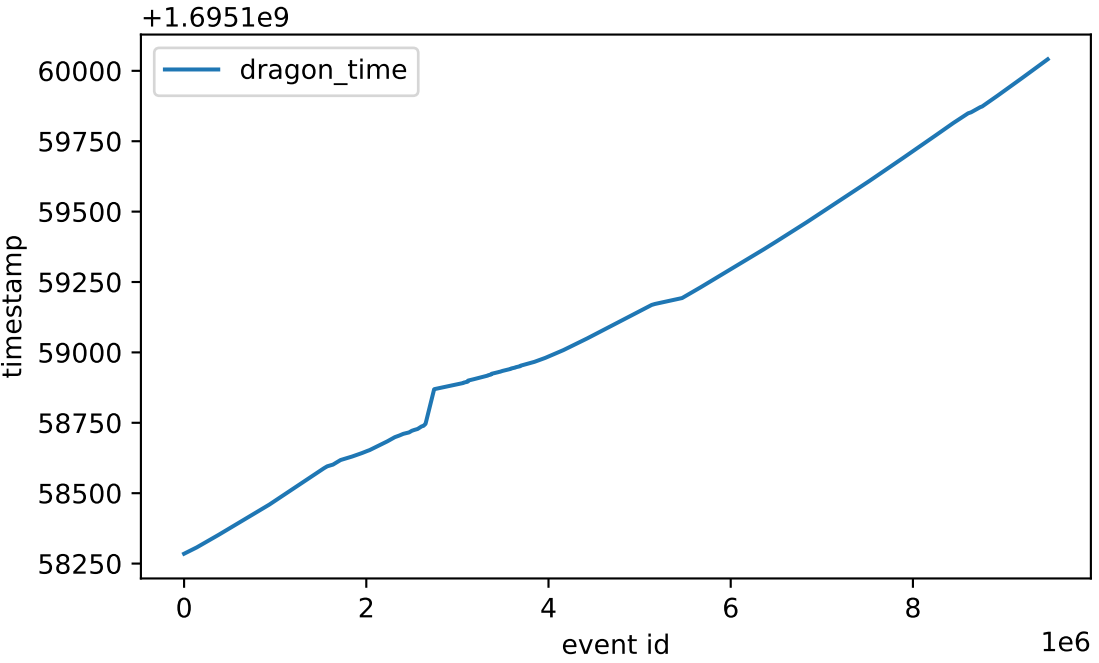
(from Dragon time): 2023-09-19 21:18:05

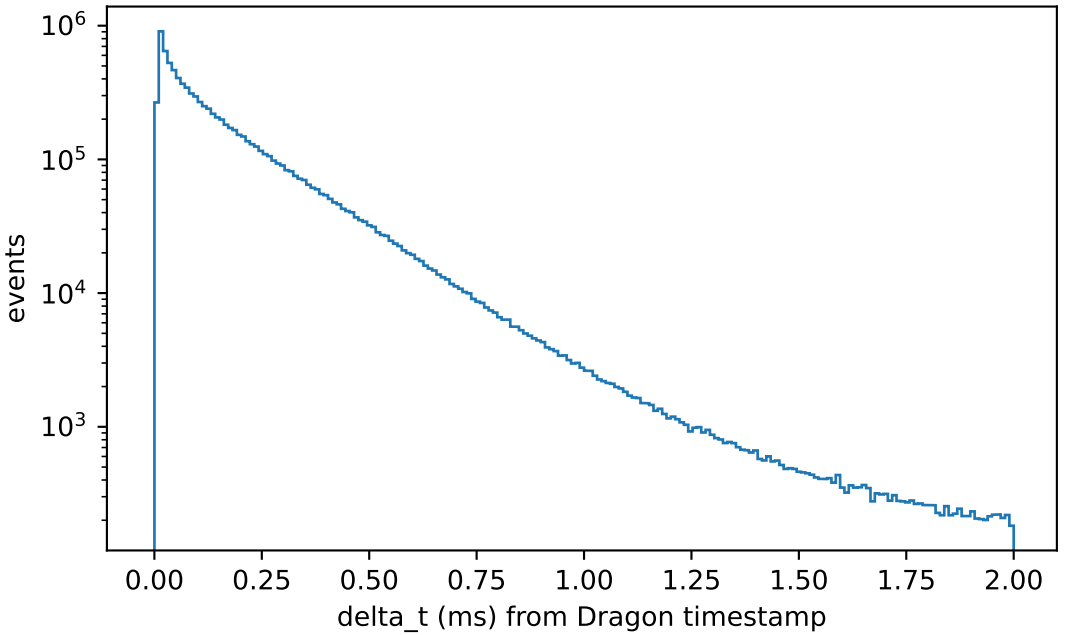

10^7
10^6
number of events
0
ucts_trigger_type

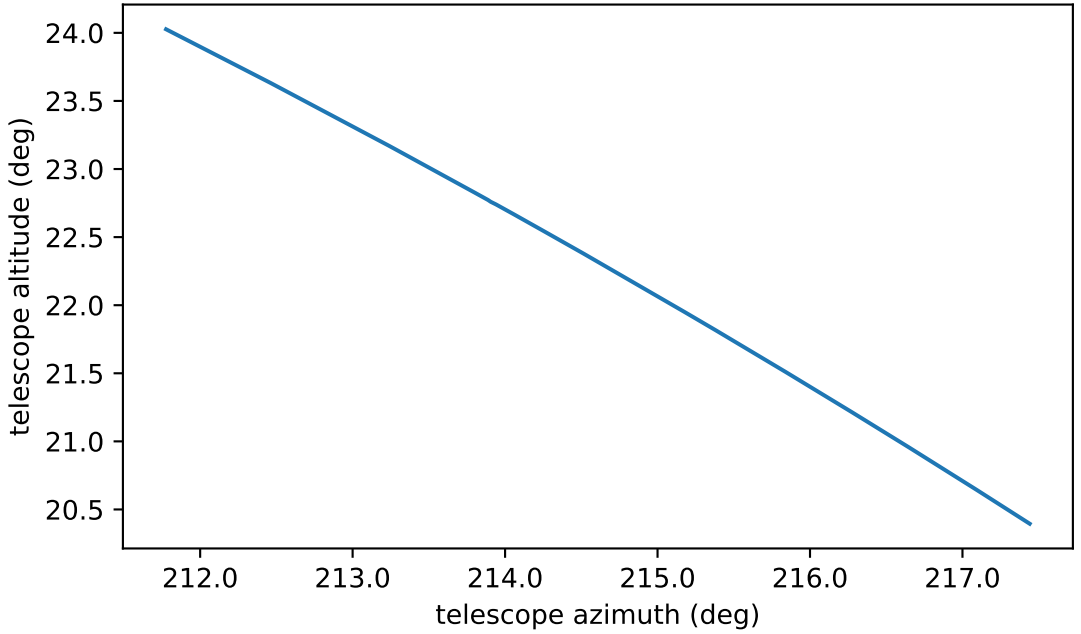

10^7
10^6
number of events
0
trigger_type

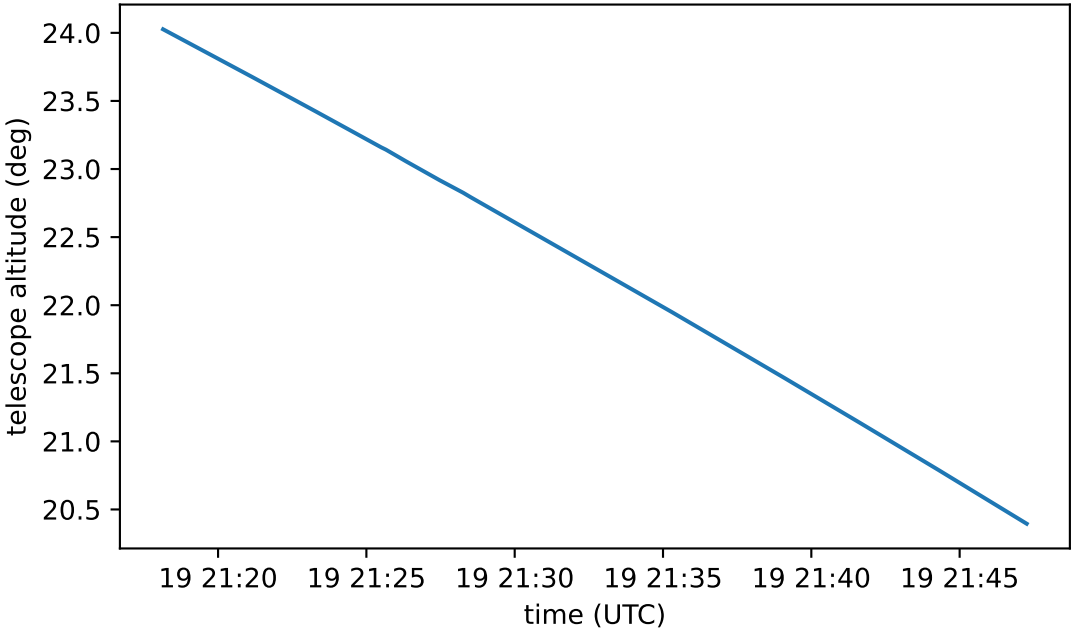

10^4
10^3
10^2
10^1
rate (events/s)
0
25
50
75
100
125
150
175
subrun index
flatfield (guessed)
cosmics


1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
Fraction of events surviving cleaning
0
25
50
75
100
125
150
175
subrun index
flatfield (guessed)
cosmics


+1.6951e9
dragon_time
timestamp
60000
59750
59500
59250
59000
58750
58500
58250
0
2
4
6
8
1e6
event id

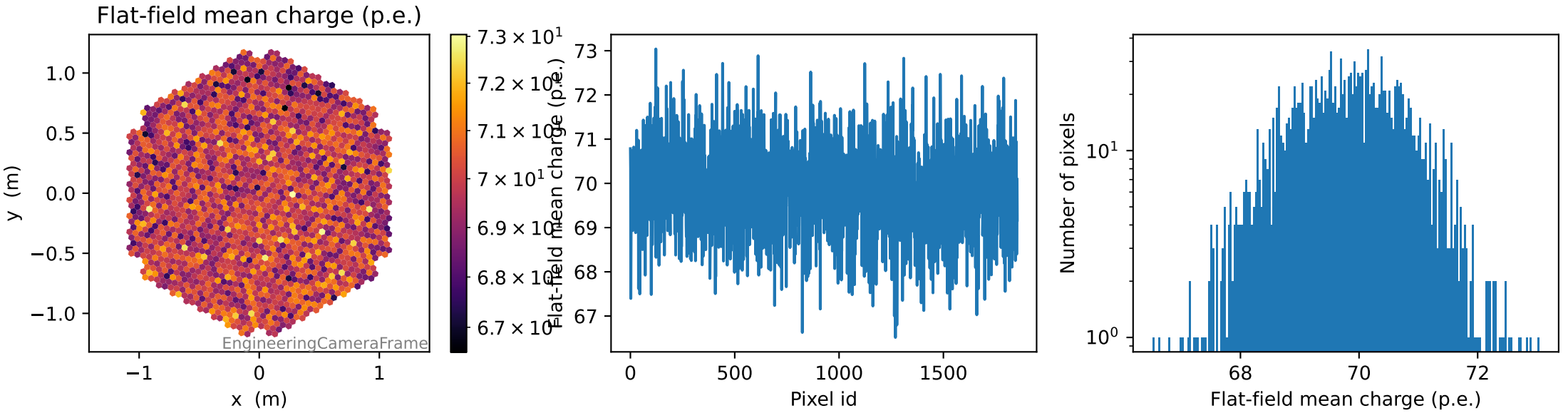

events
10^6
10^5
10^4
10^3
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
delta_t (ms) from Dragon timestamp

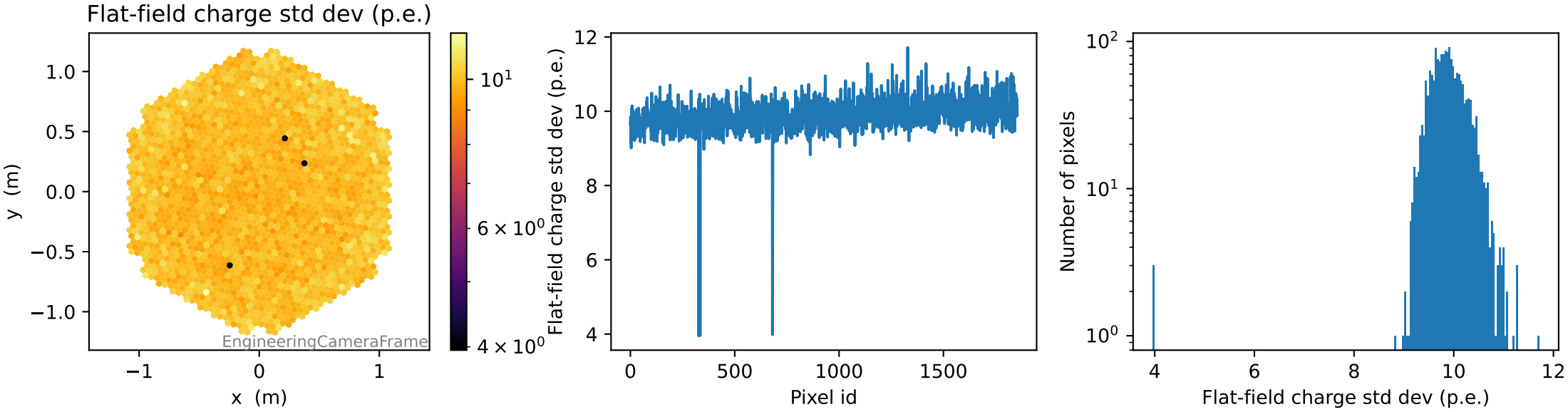

telescope altitude (deg)
24.0
23.5
23.0
22.5
22.0
21.5
21.0
20.5
212.0
213.0
214.0
215.0
216.0
217.0
telescope azimuth (deg)

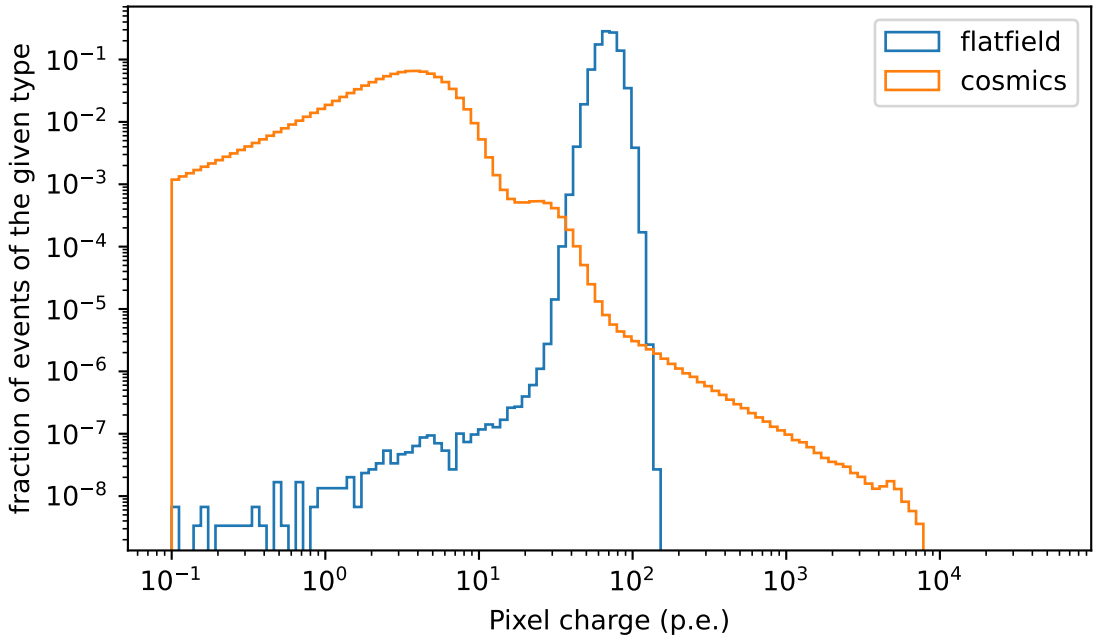

telescope altitude (deg)
24.0
23.5
23.0
22.5
22.0
21.5
21.0
20.5
19 21:20
19 21:25
19 21:30
19 21:35
19 21:40
19 21:45
time (UTC)

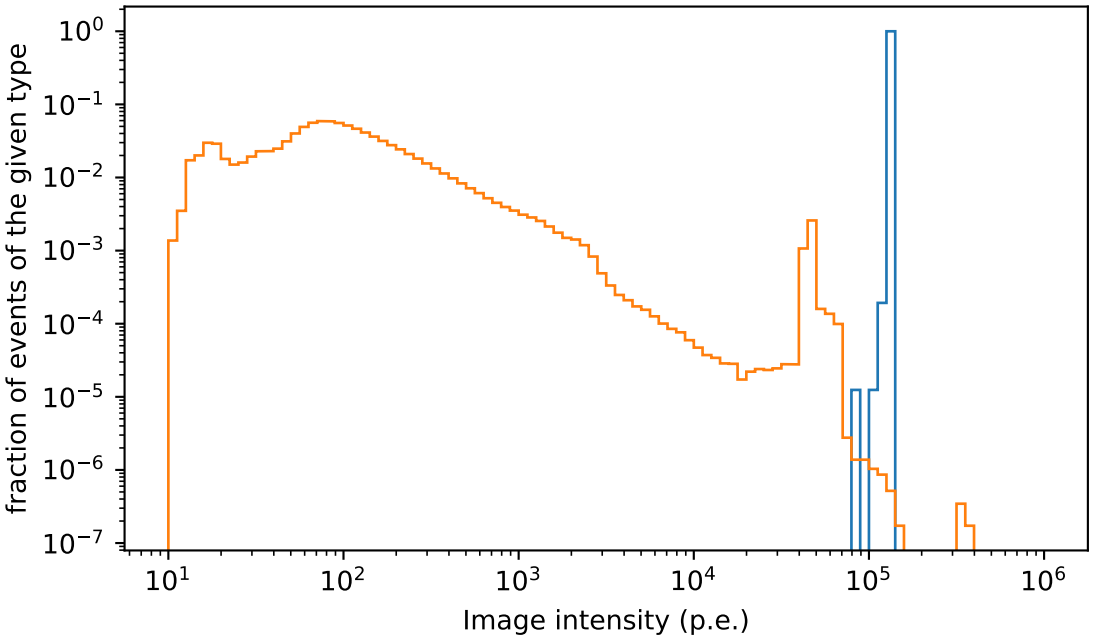
Sorry, no pedestals to plot here!

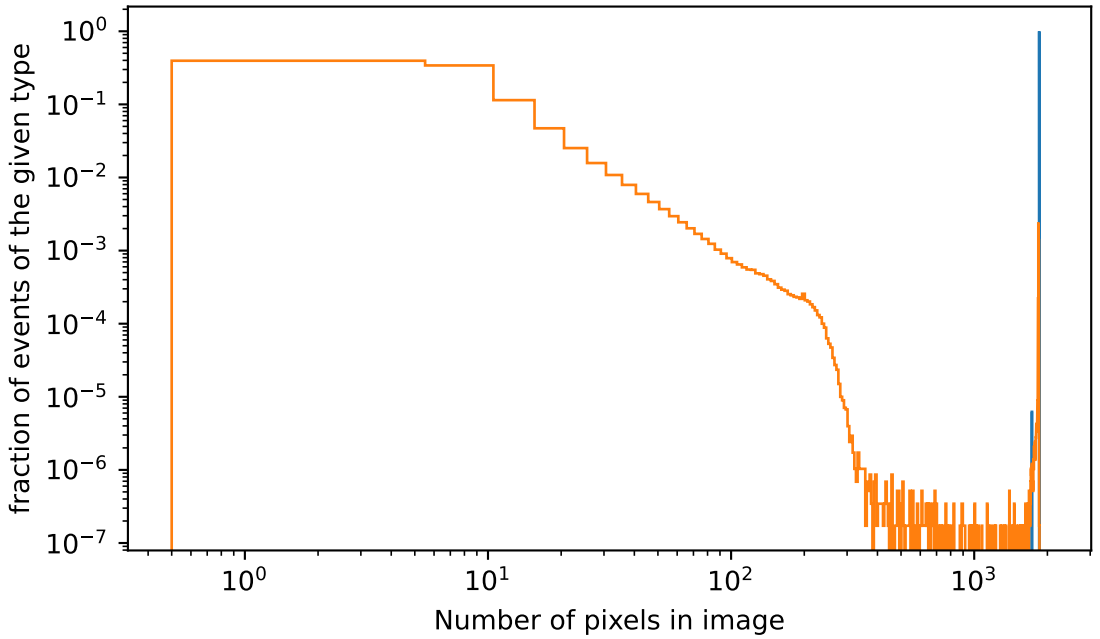
FLATFIELD, pixel-wise charge info

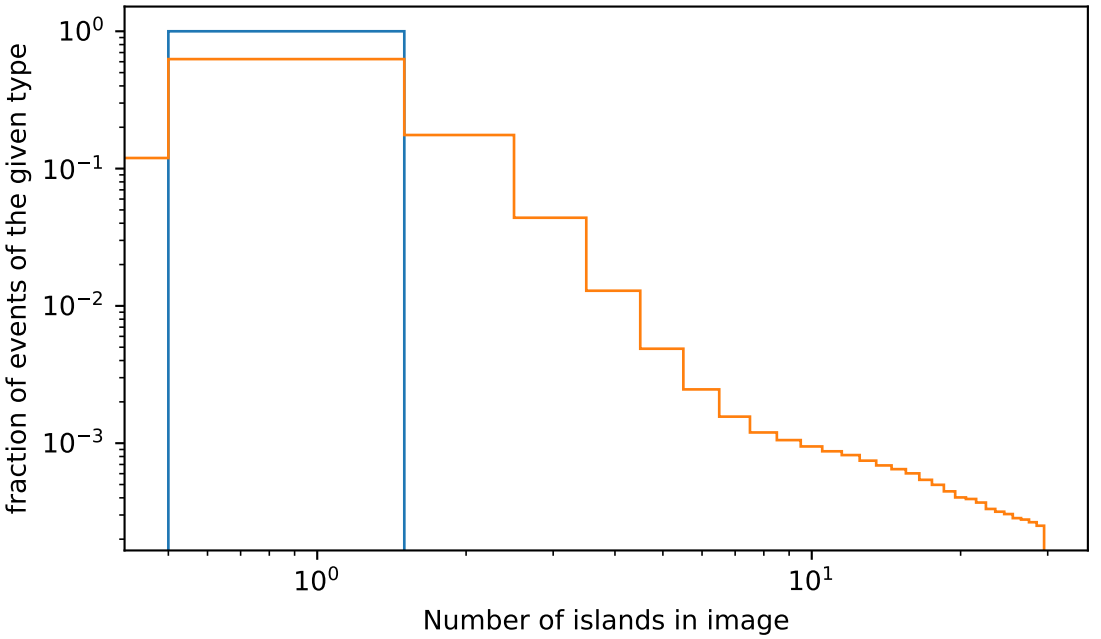





flatfield
cosmics
fraction of events of the given type
Pixel charge (p.e.)

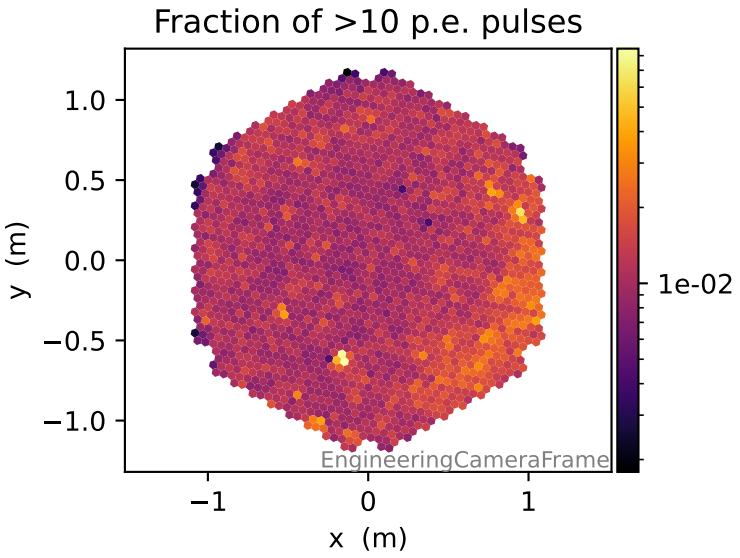

fraction of events of the given type
Image intensity (p.e.)

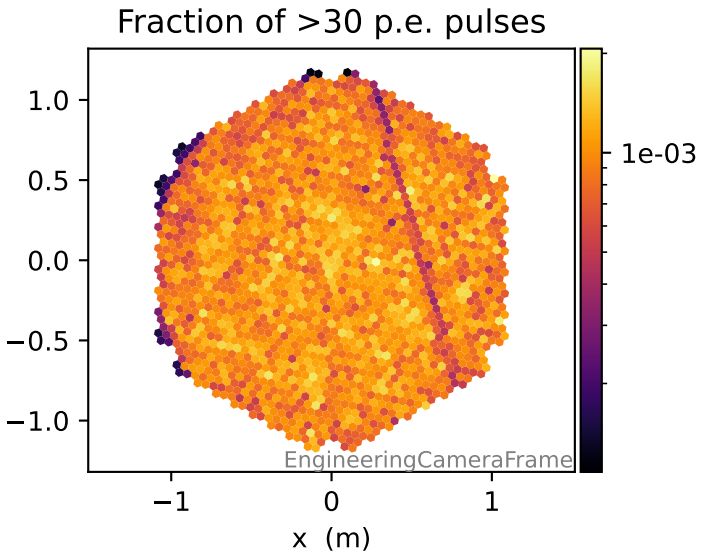

fraction of events of the given type
Number of pixels in image

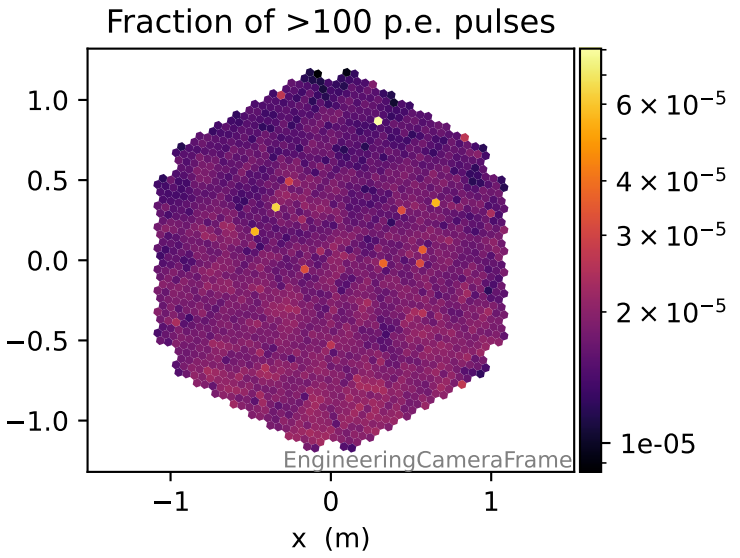

fraction of events of the given type
Number of islands in image

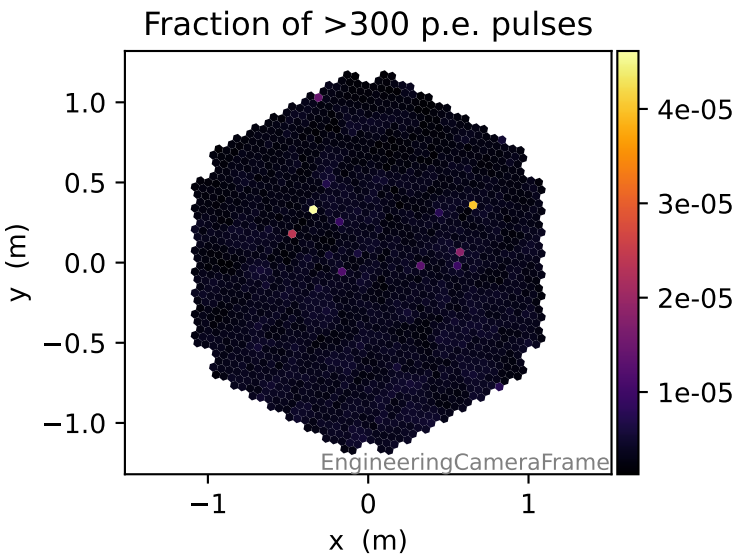
Sorry, no pedestals to plot here!

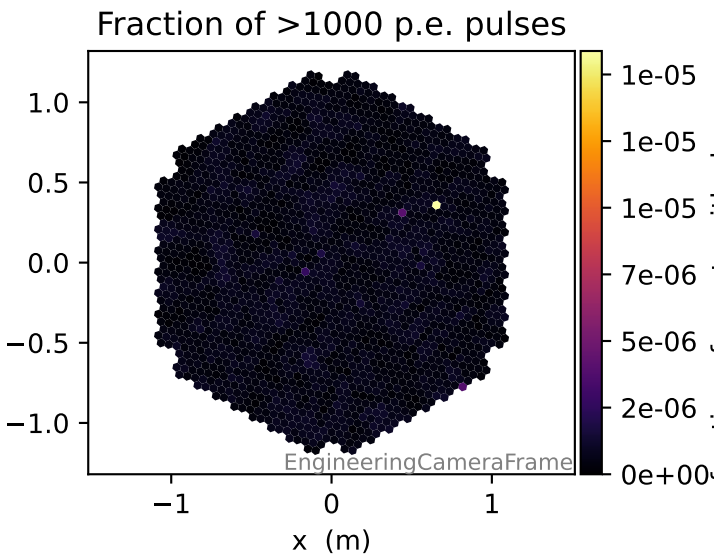
COSMICS, relative frequency of pixel charges

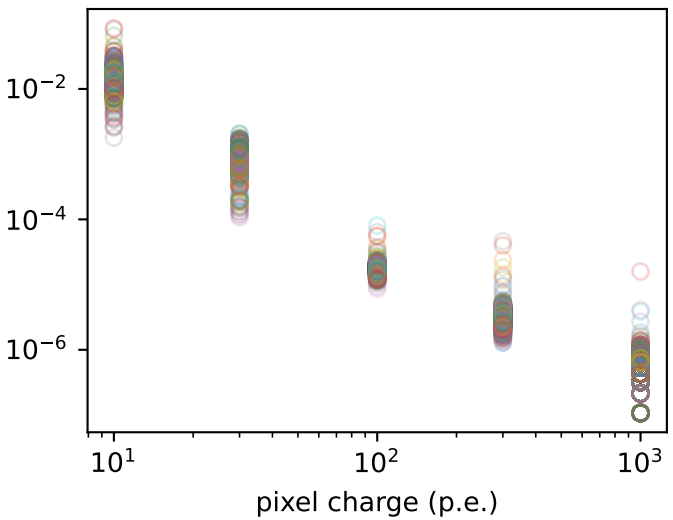


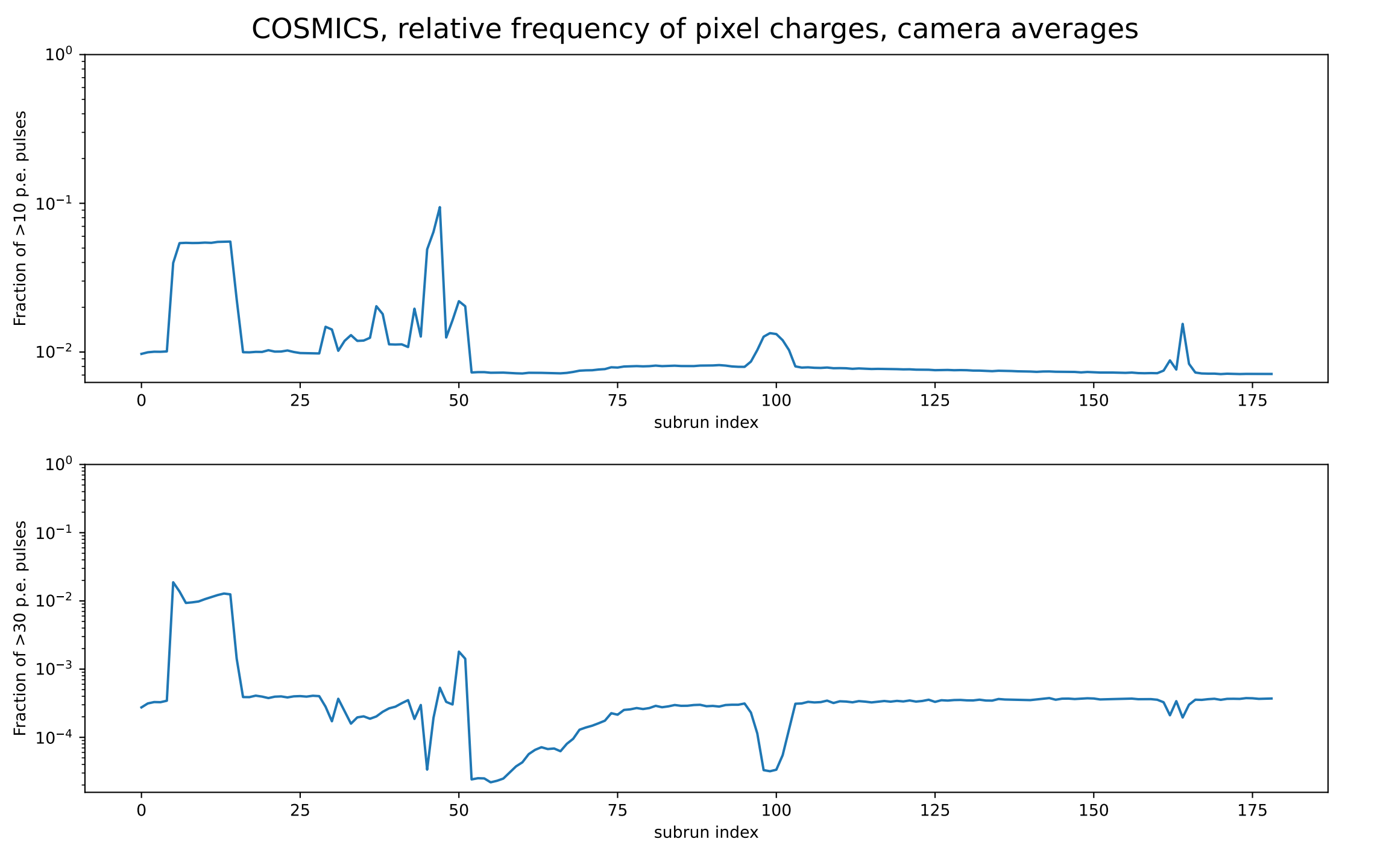




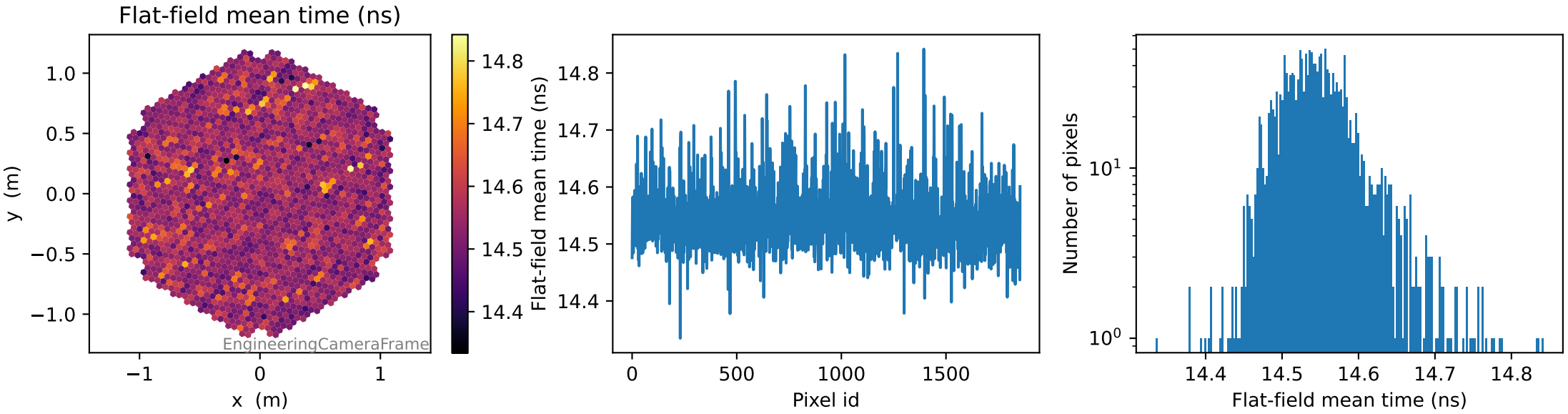


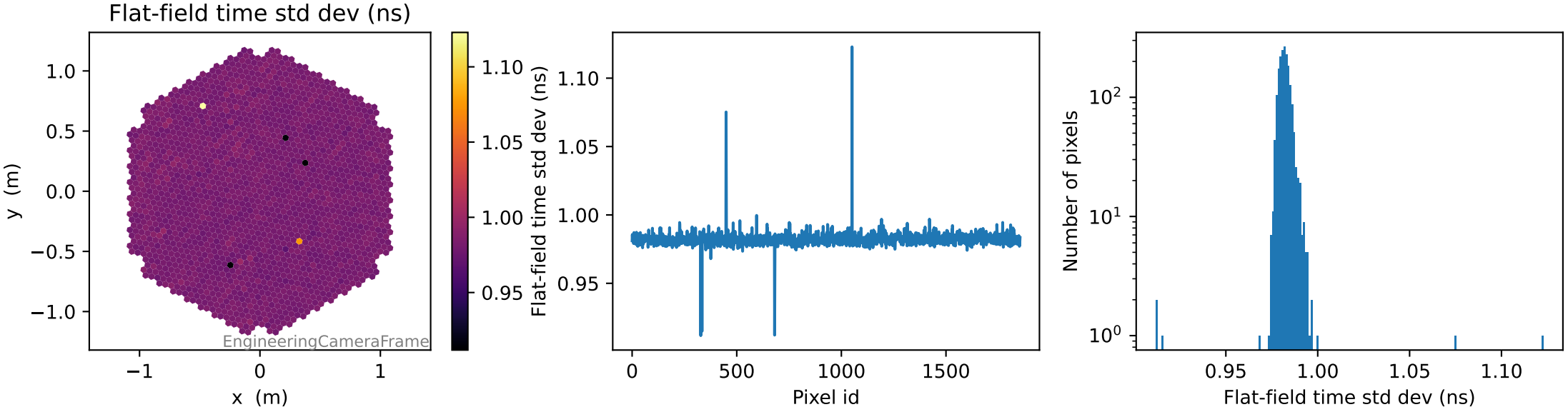




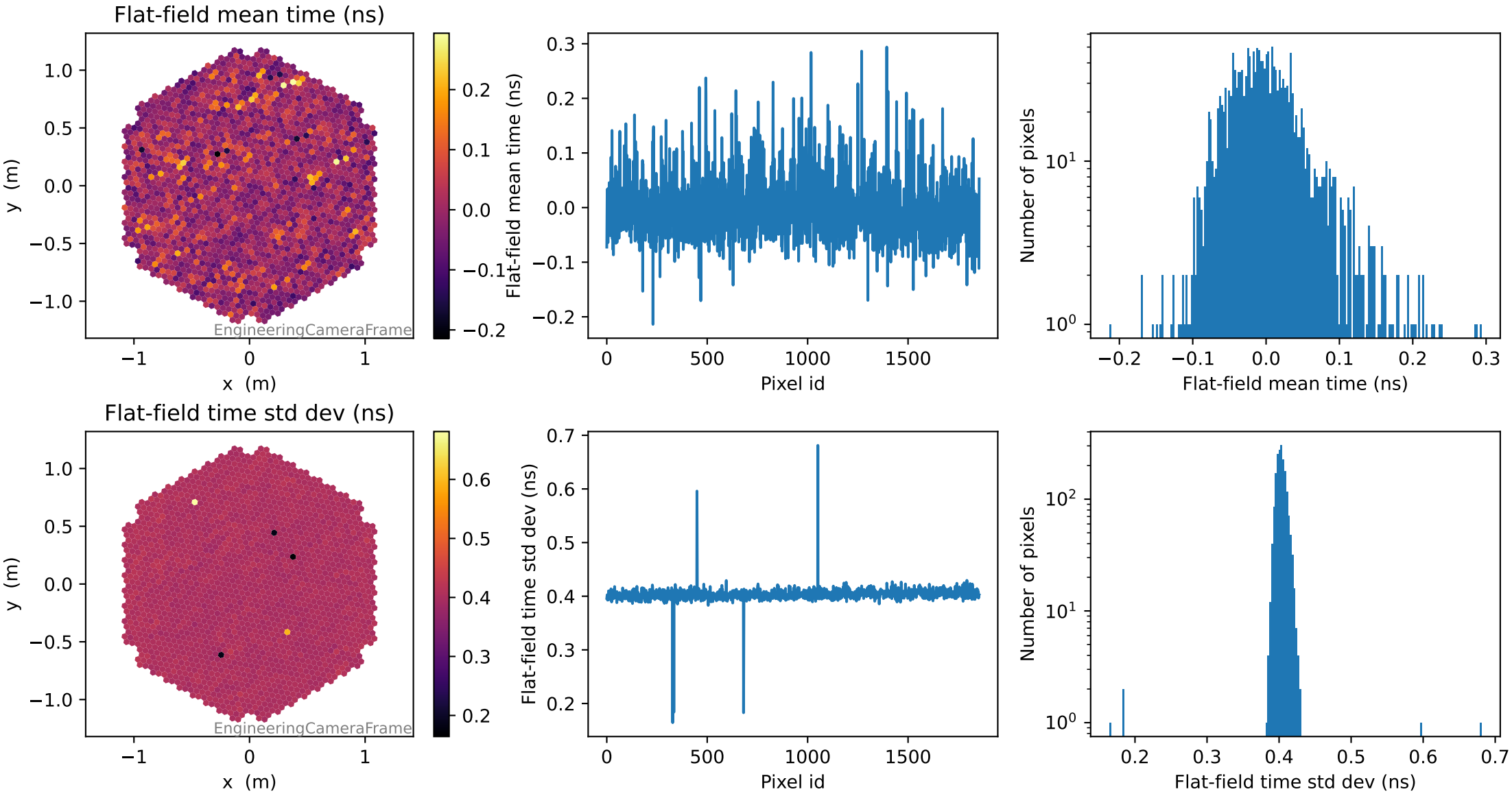

COSMICS, relative frequency of pixel charges, camera averages
Fraction of >10 p.e. pulses
10^0
10^{-1}
10^{-2}
0
25
50
75
100
125
150
175
subrun index
Fraction of >30 p.e. pulses
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
0
25
50
75
100
125
150
175
subrun index

FLATFIELD, pixel-wise pulse time info

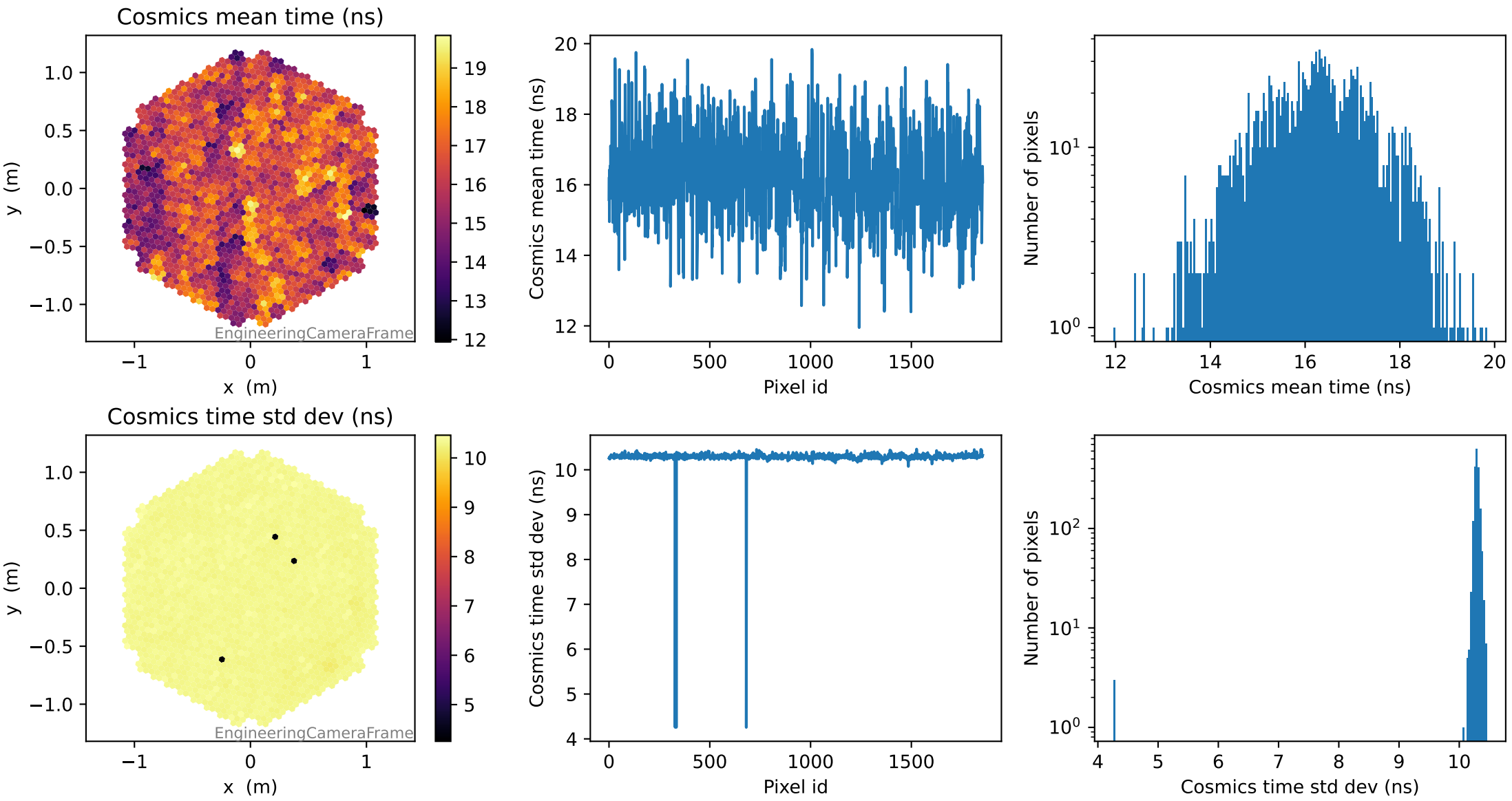




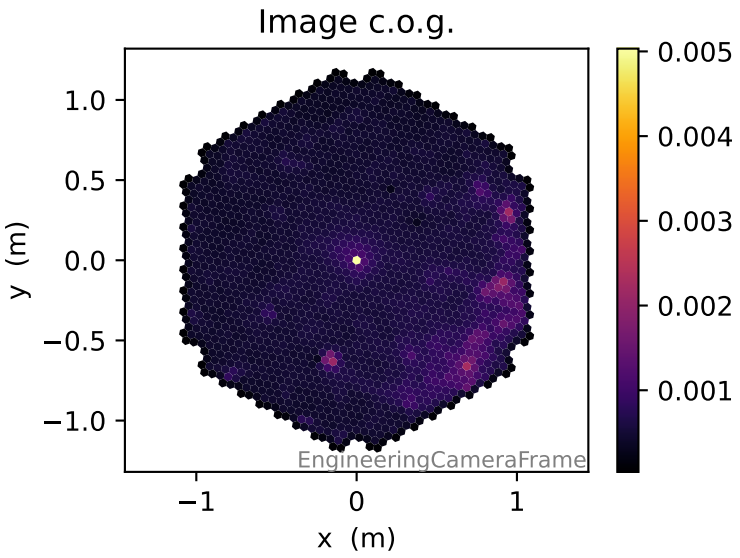
FLATFIELD, pixel-wise pulse time relative to camera mean

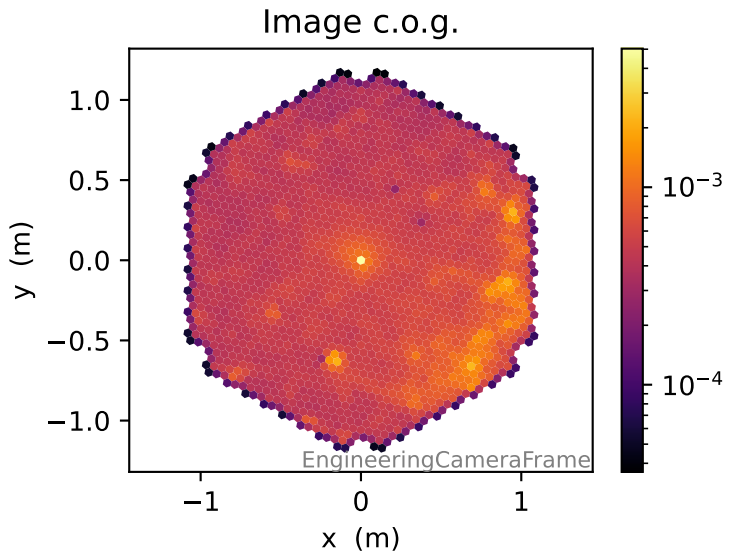


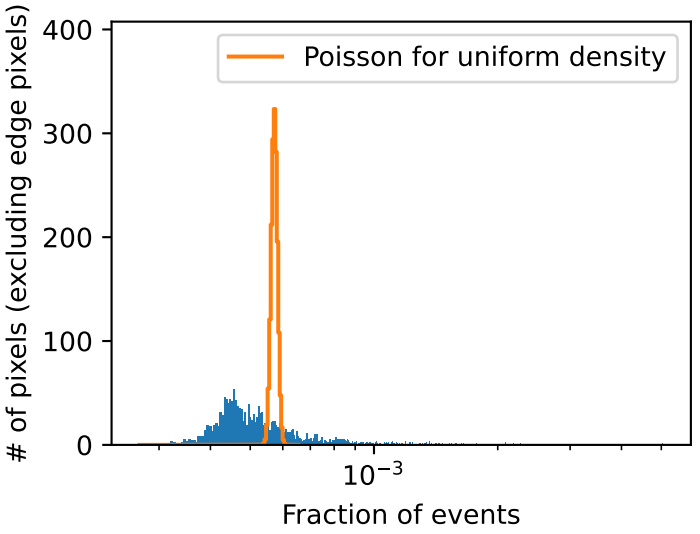
COSMICS, pixel-wise pulse time info for pixel charge > 1 p.e.

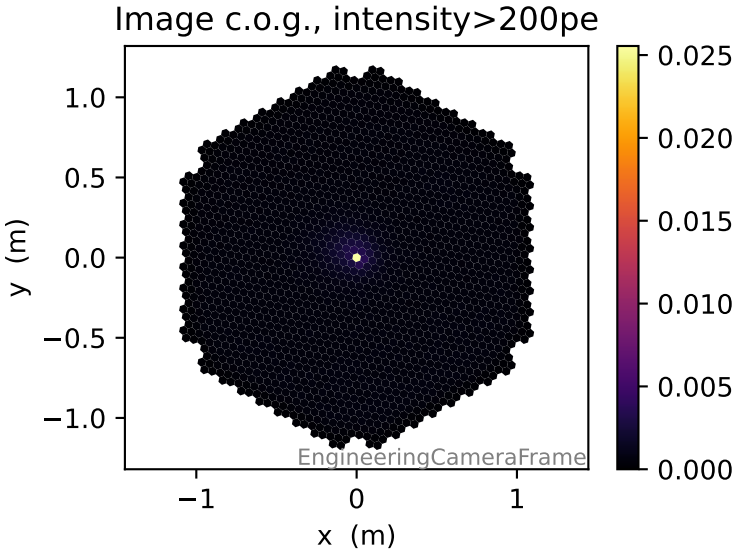


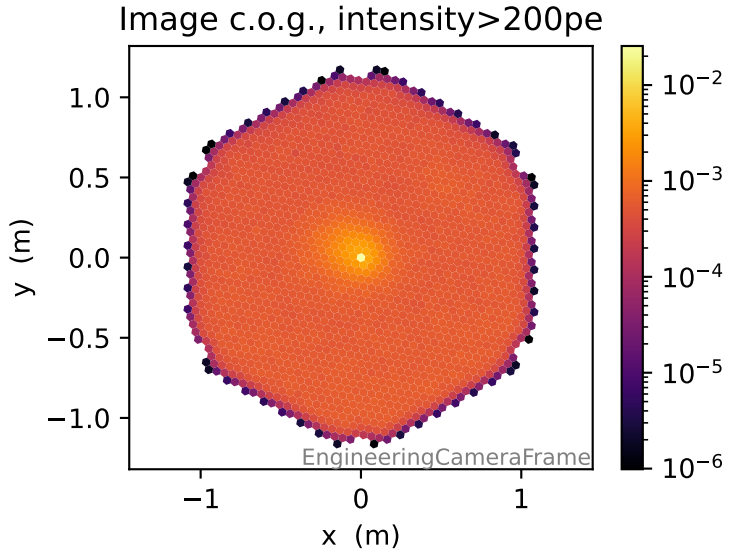
COSMICS, image c.o.g. position

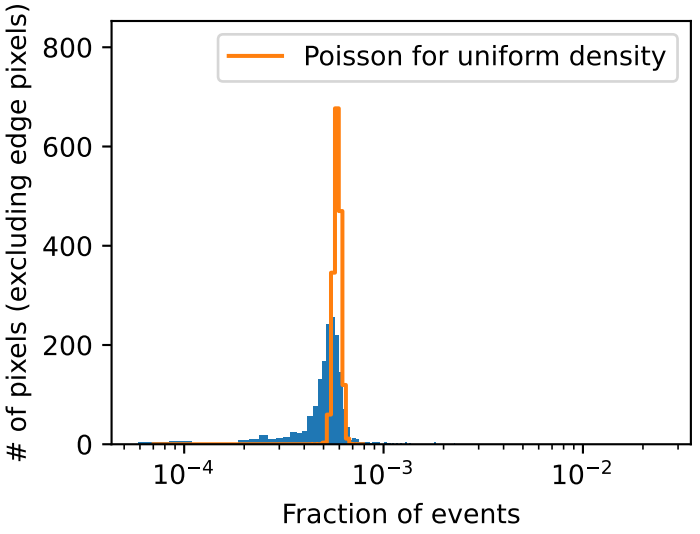




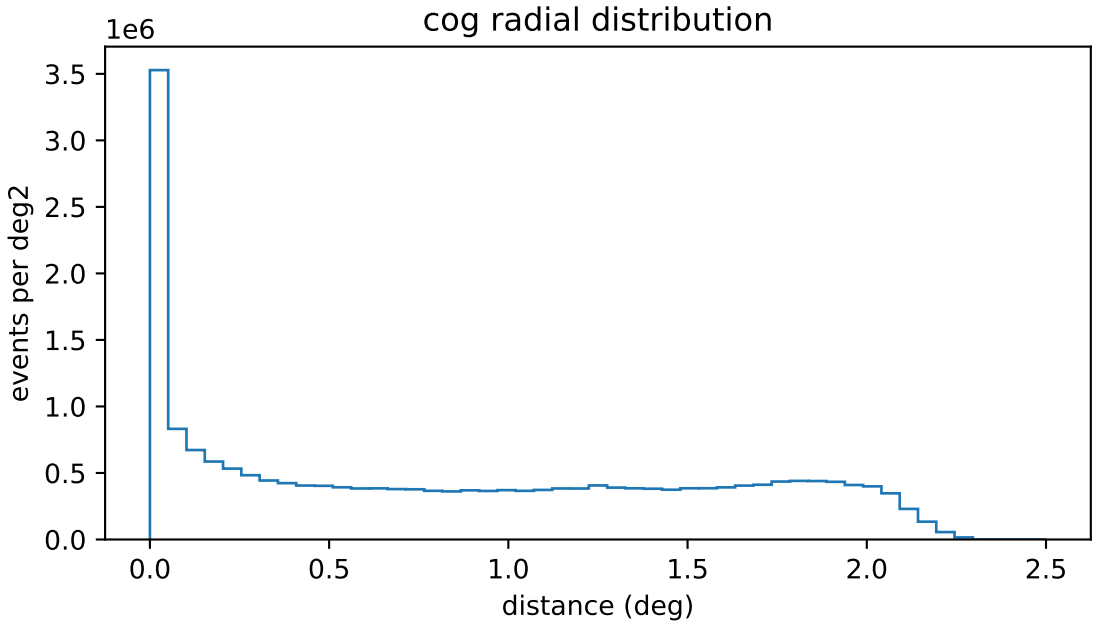


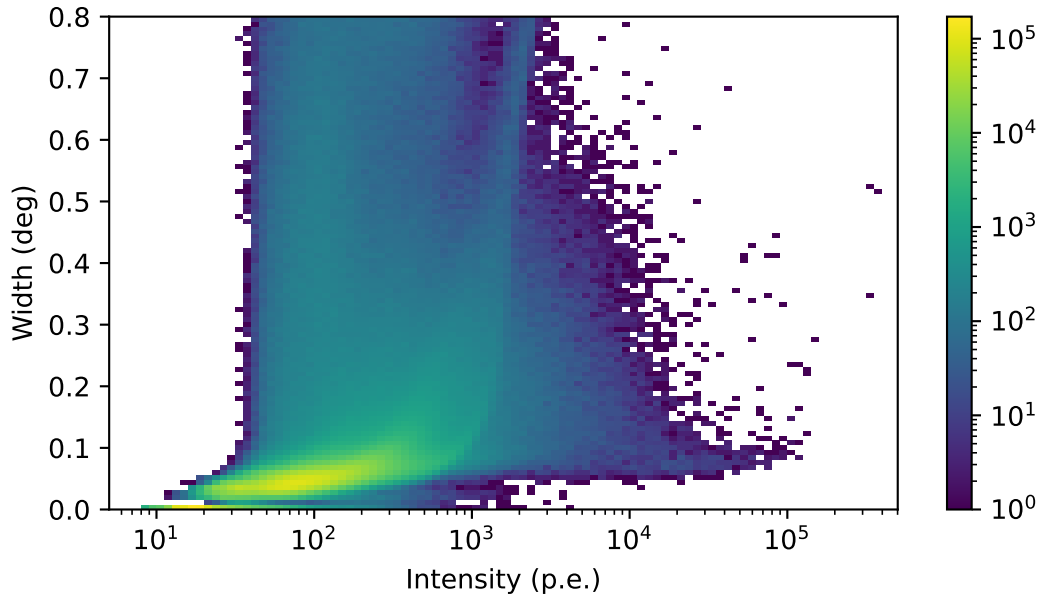


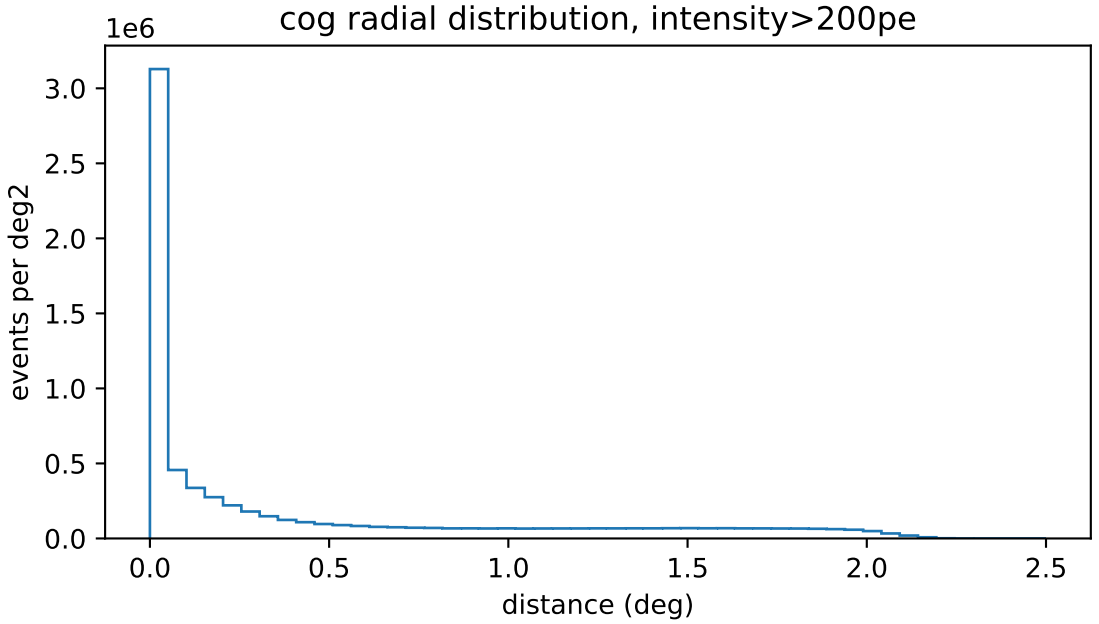


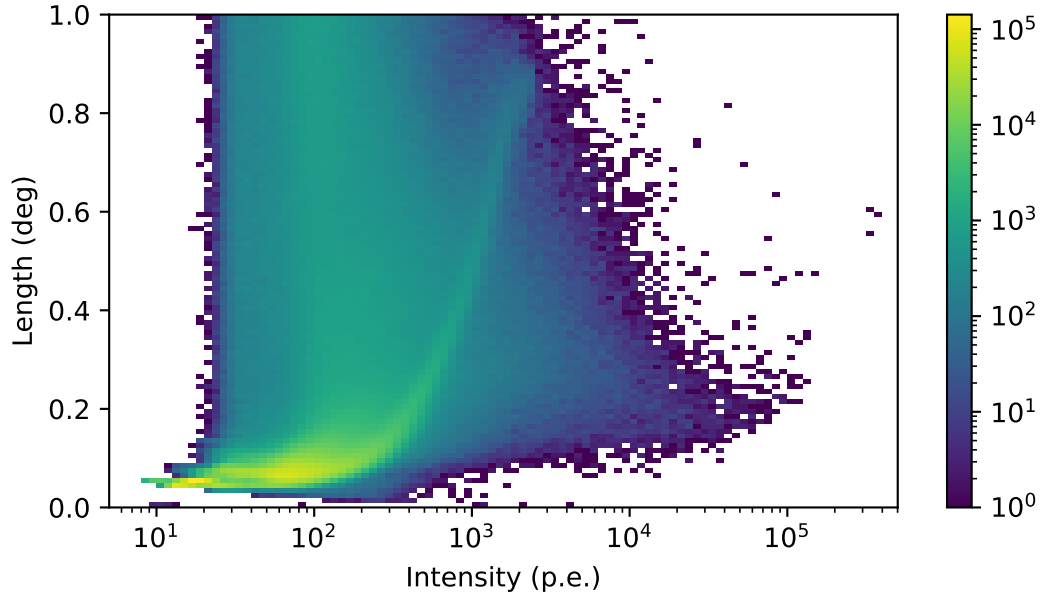


COSMICS, image parameters

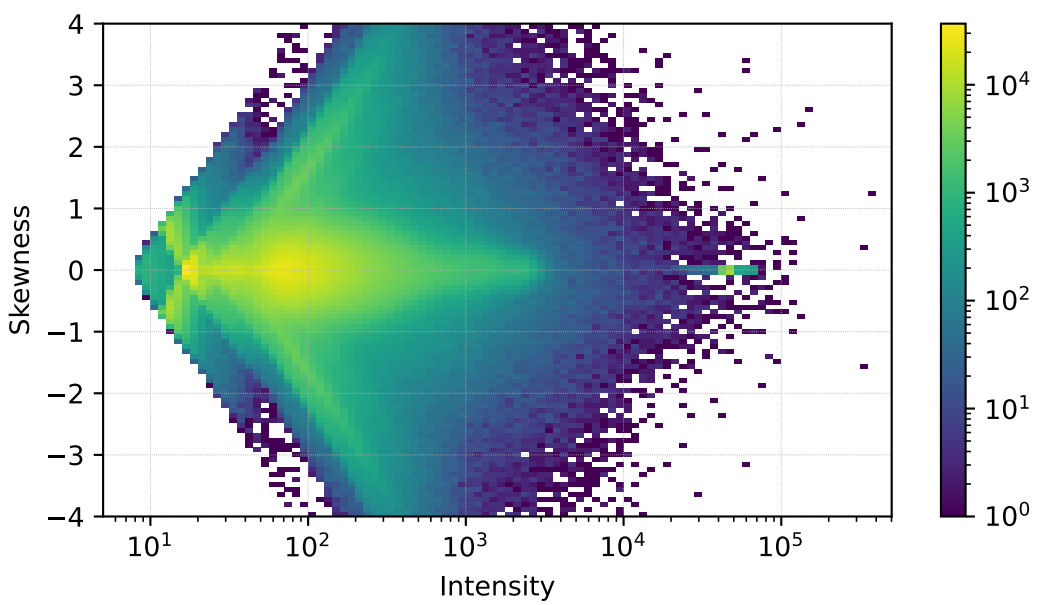


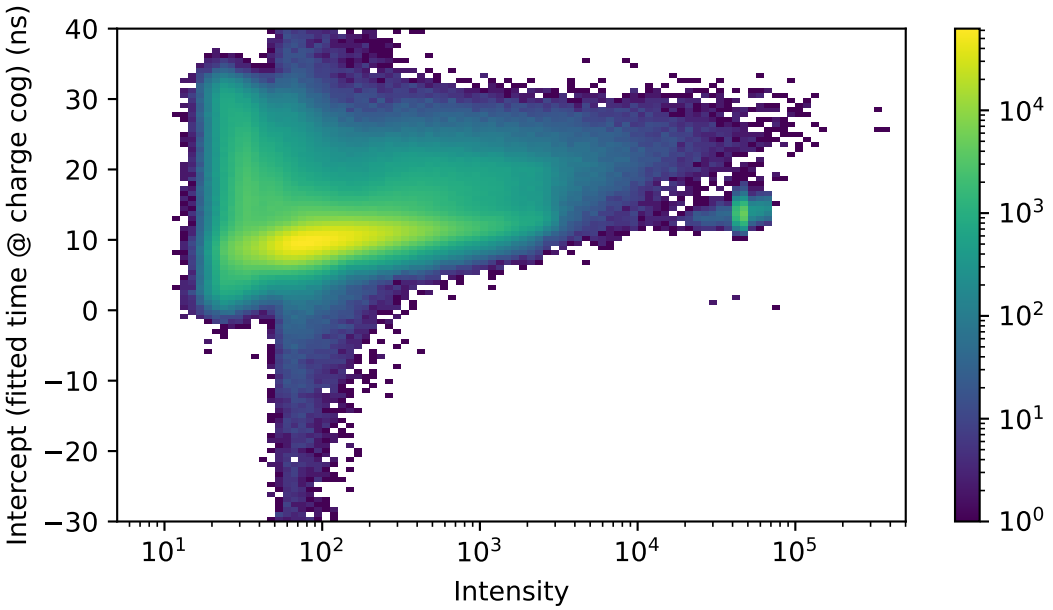


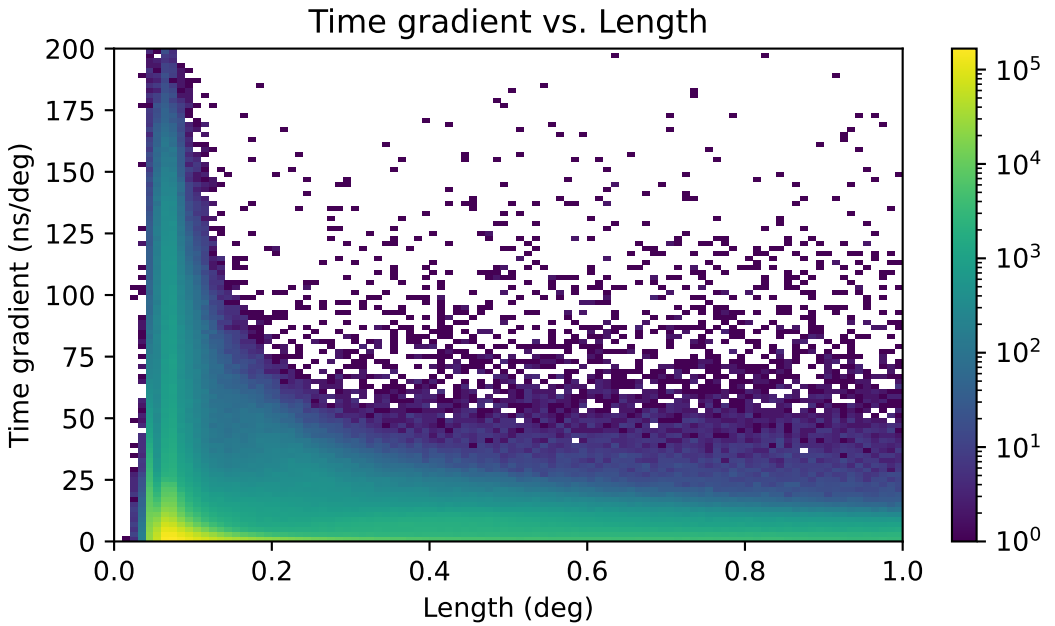


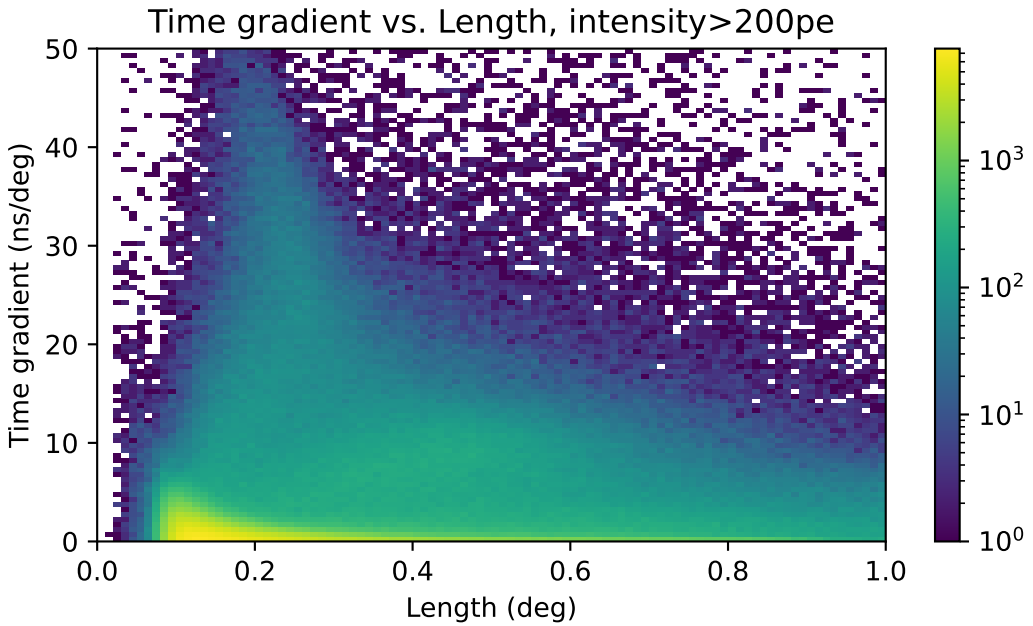


COSMICS, image parameters

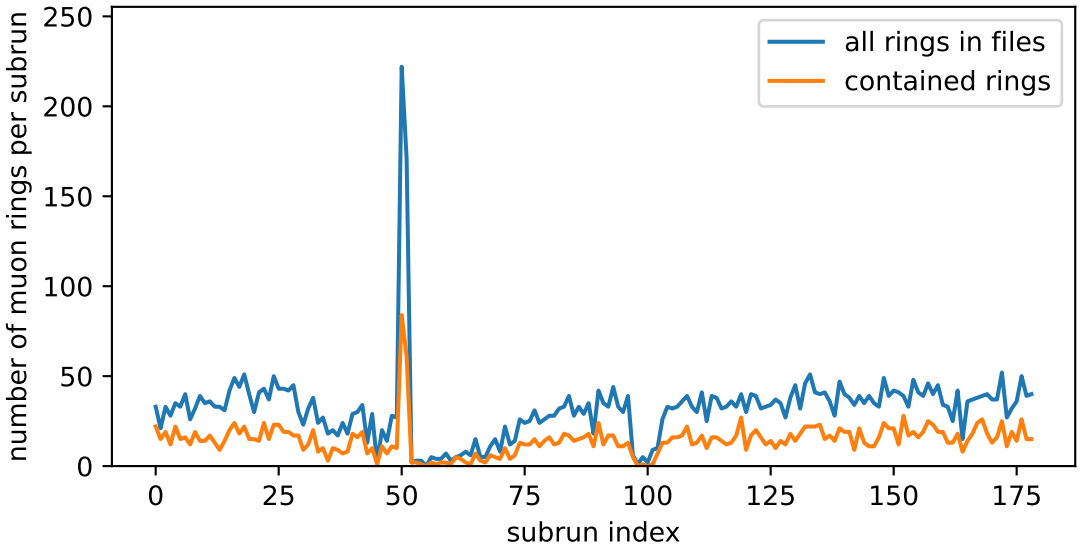


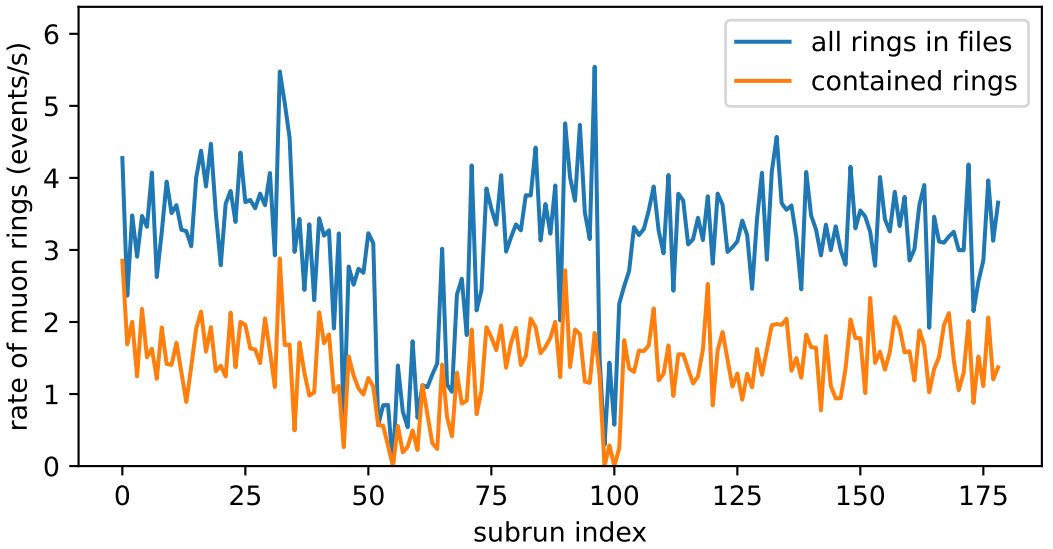


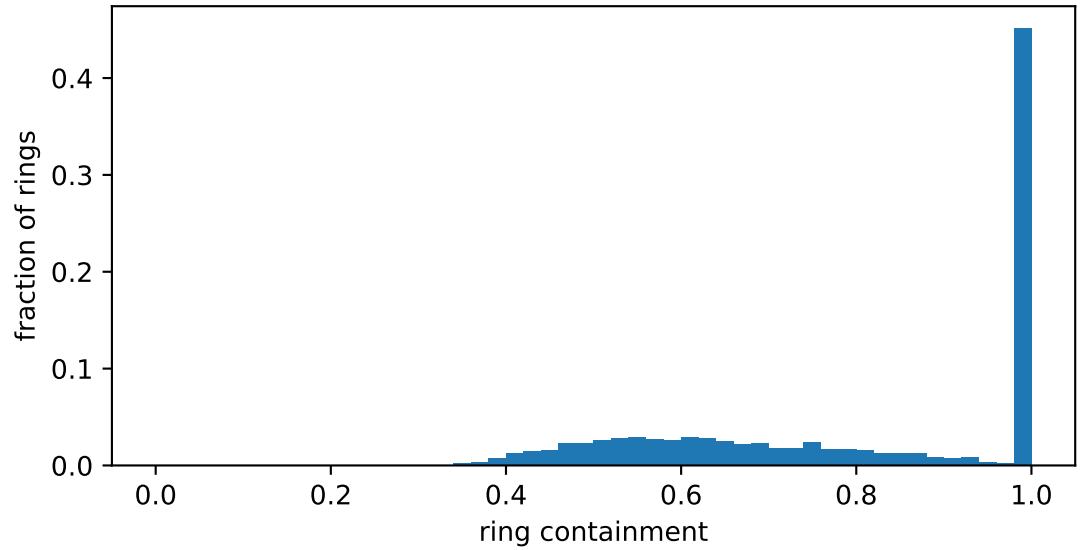


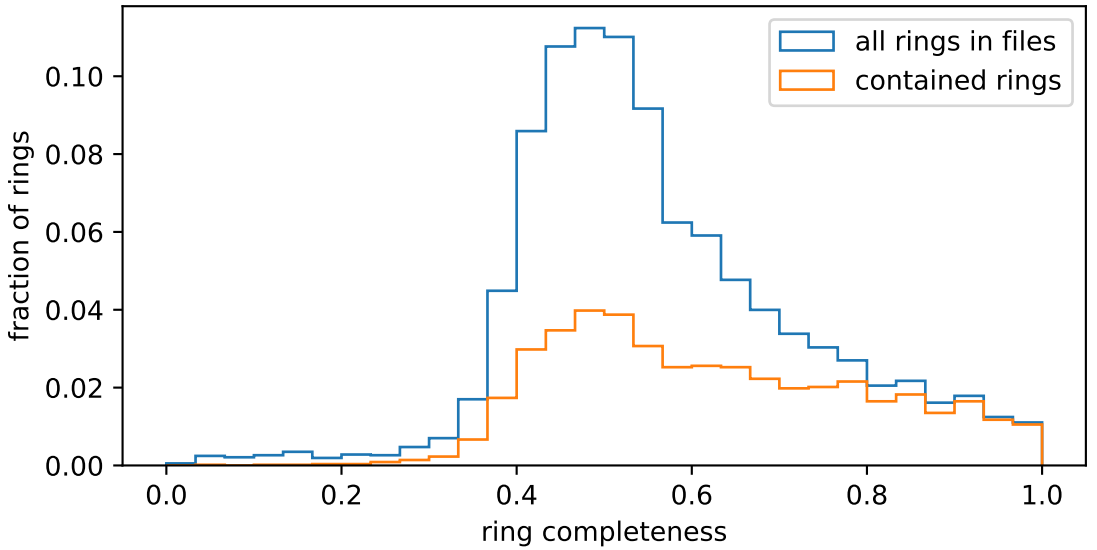


MUON RINGS

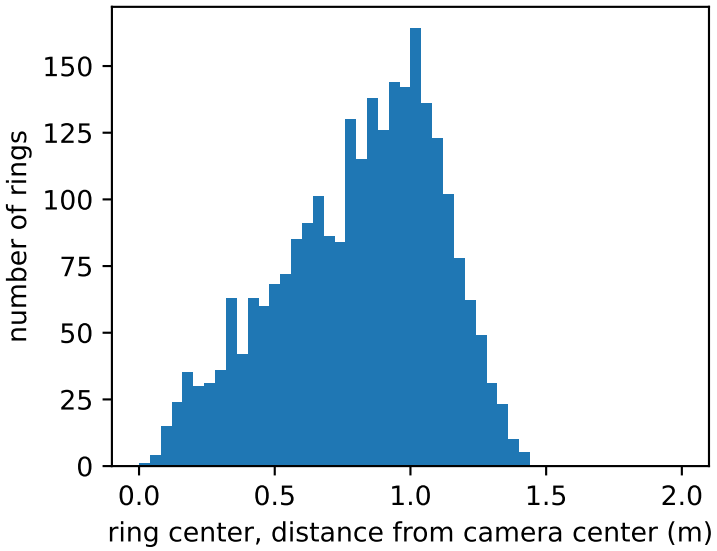

all rings in files
contained rings
number of muon rings per subrun
subrun index
0
50
100
150
200
250
0
25
50
75
100
125
150
175

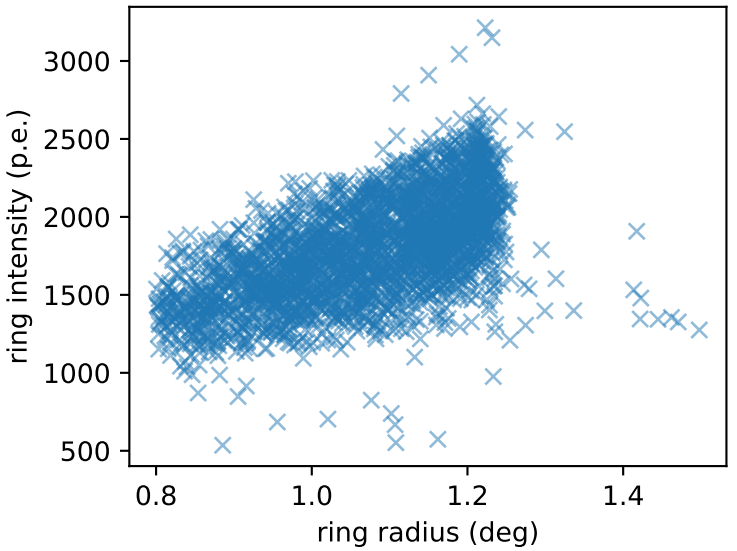

all rings in files
contained rings
rate of muon rings (events/s)
subrun index
0
1
2
3
4
5
6
0
25
50
75
100
125
150
175

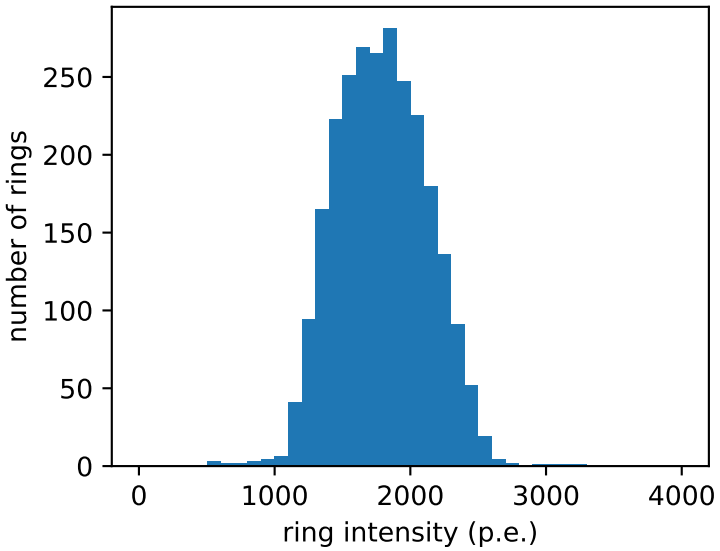

fraction of rings
ring containment
0.0
0.1
0.2
0.3
0.4
0.0
0.2
0.4
0.6
0.8
1.0

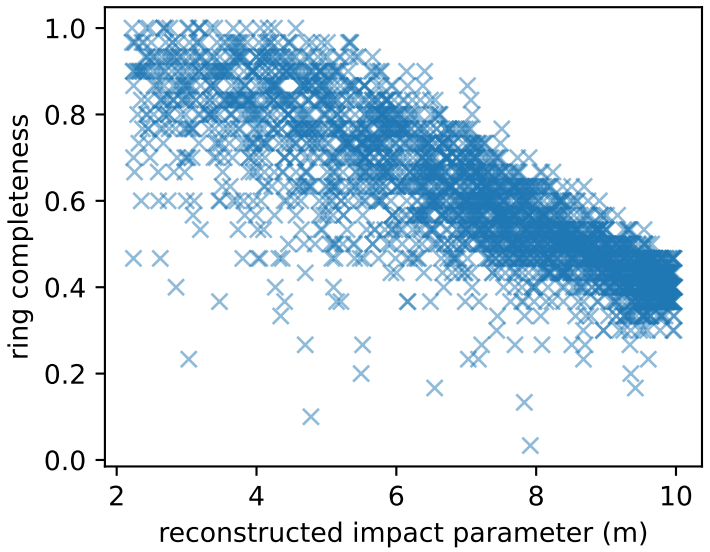

all rings in files
contained rings
fraction of rings
ring completeness
0.00
0.02
0.04
0.06
0.08
0.10
0.0
0.2
0.4
0.6
0.8
1.0

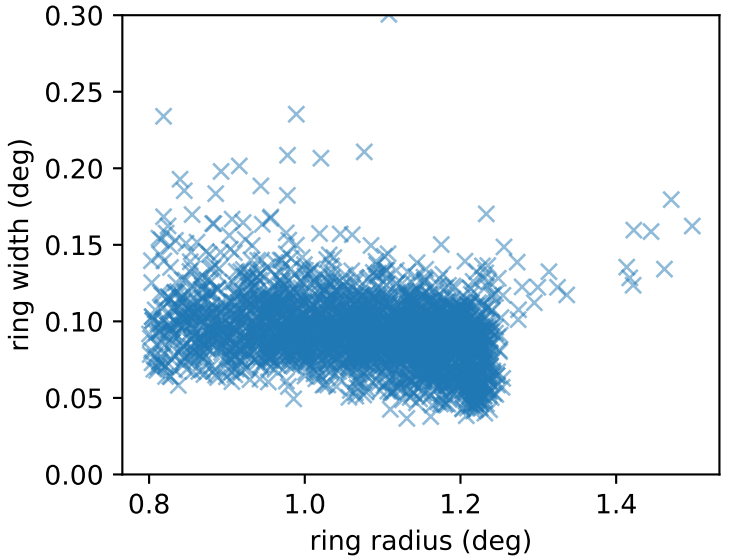
MUON RINGS with containment = 1

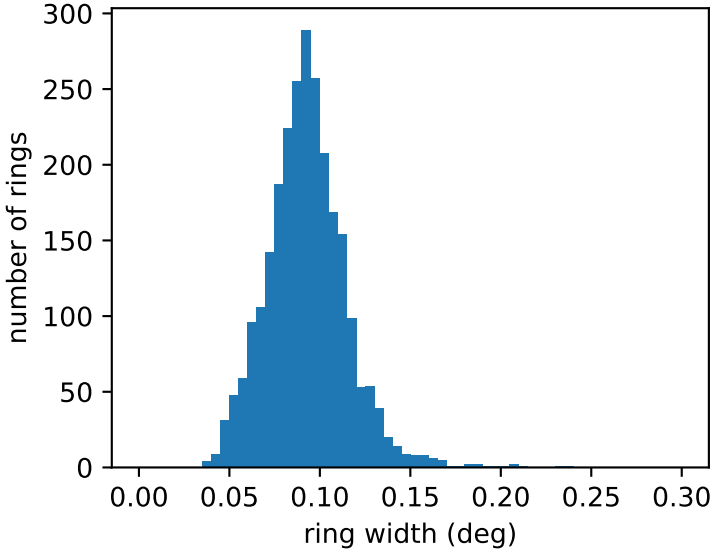












MUON RINGS with containment = 1