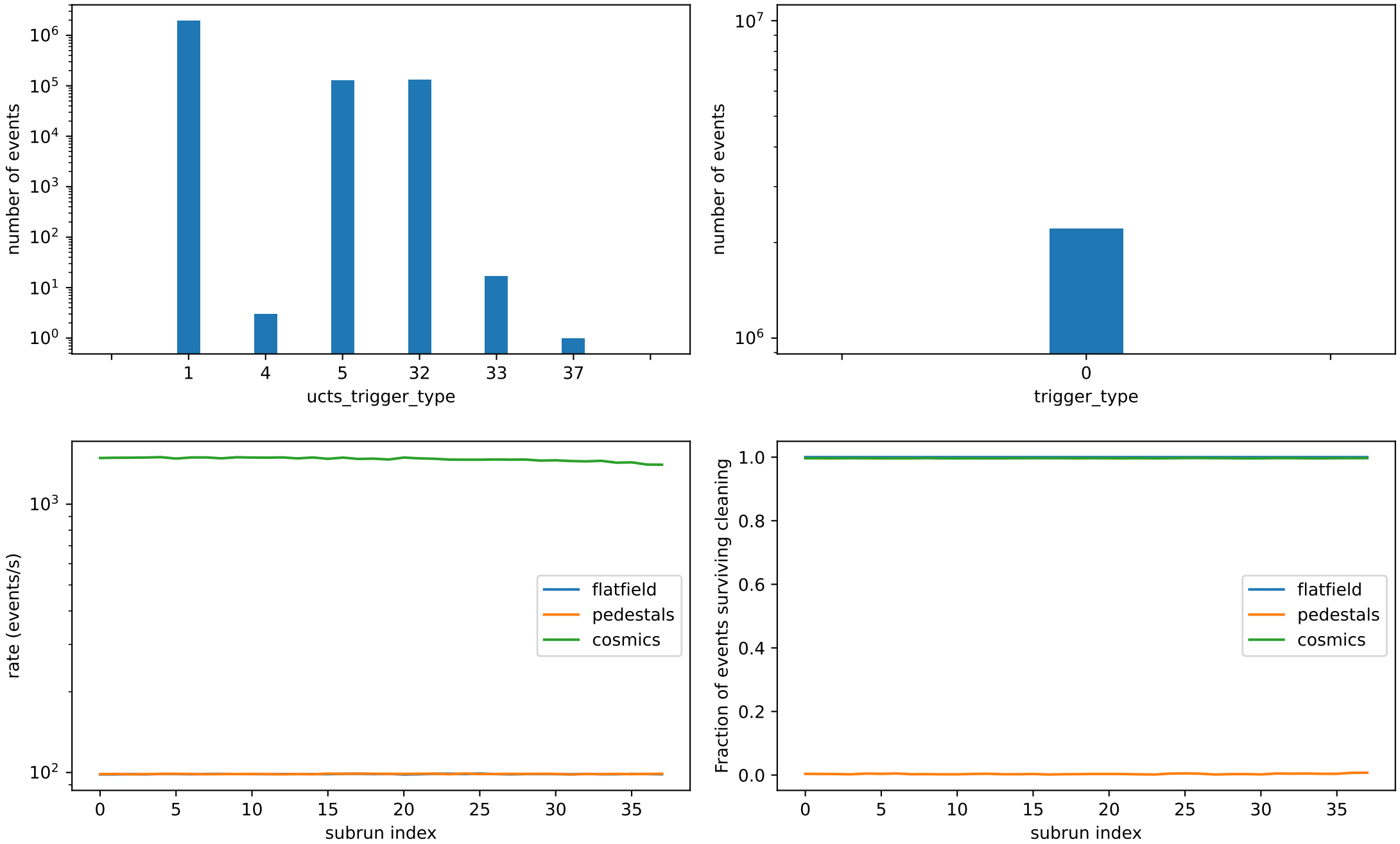
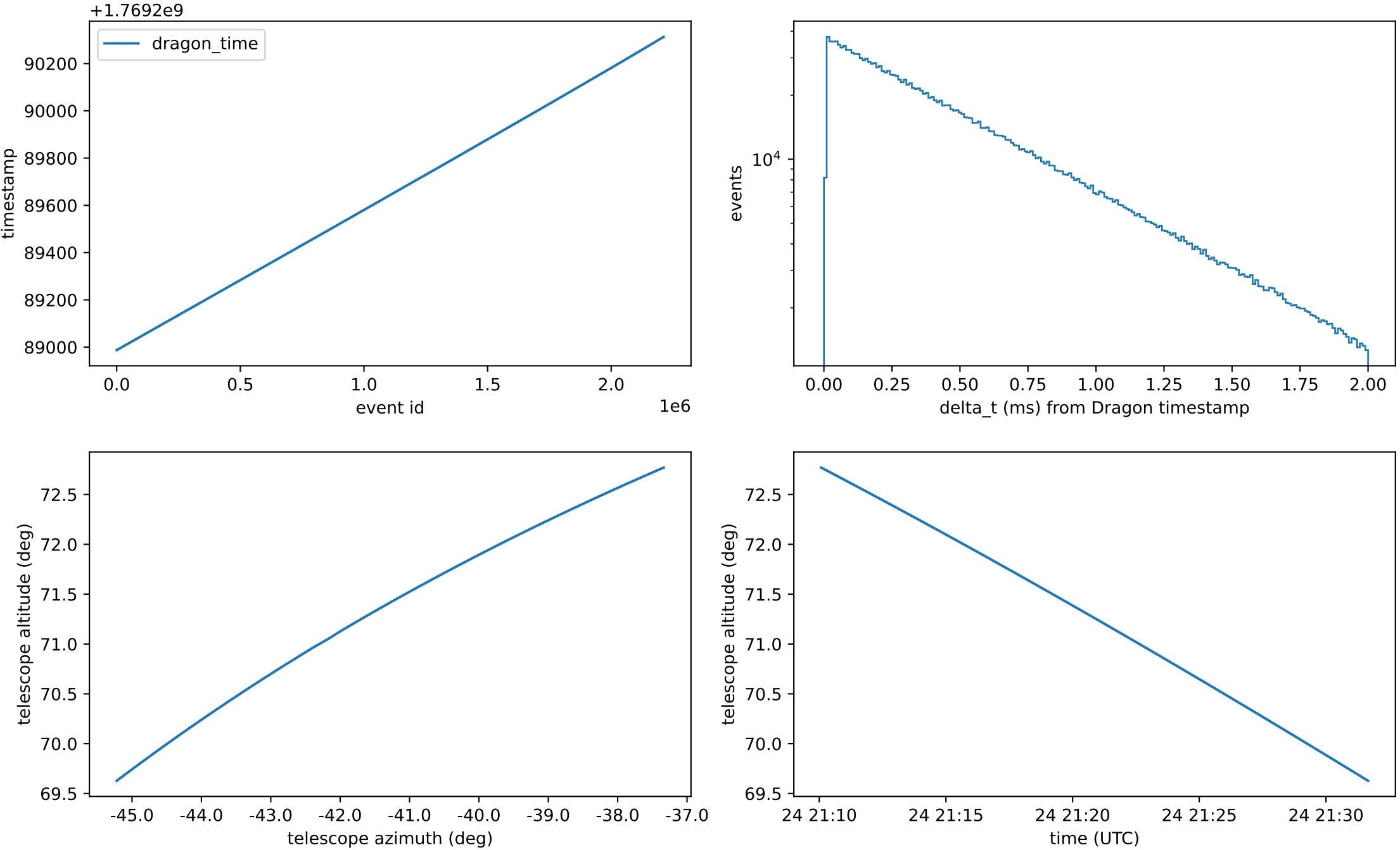
datacheck_dl1_LST-1.Run23494.h5

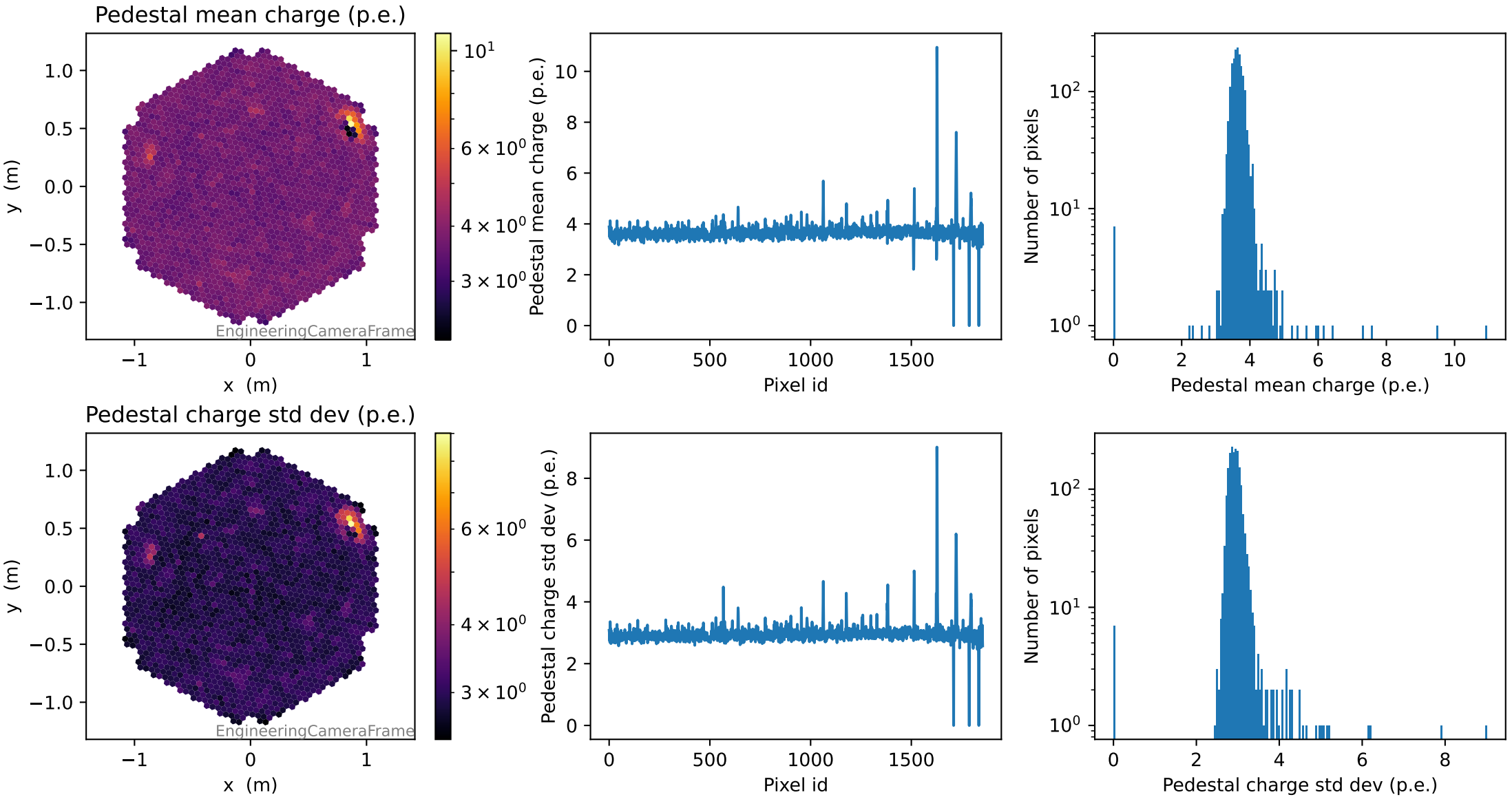
First shower event UTC:

(from Dragon time): 2026-01-24 21:09:47.518164

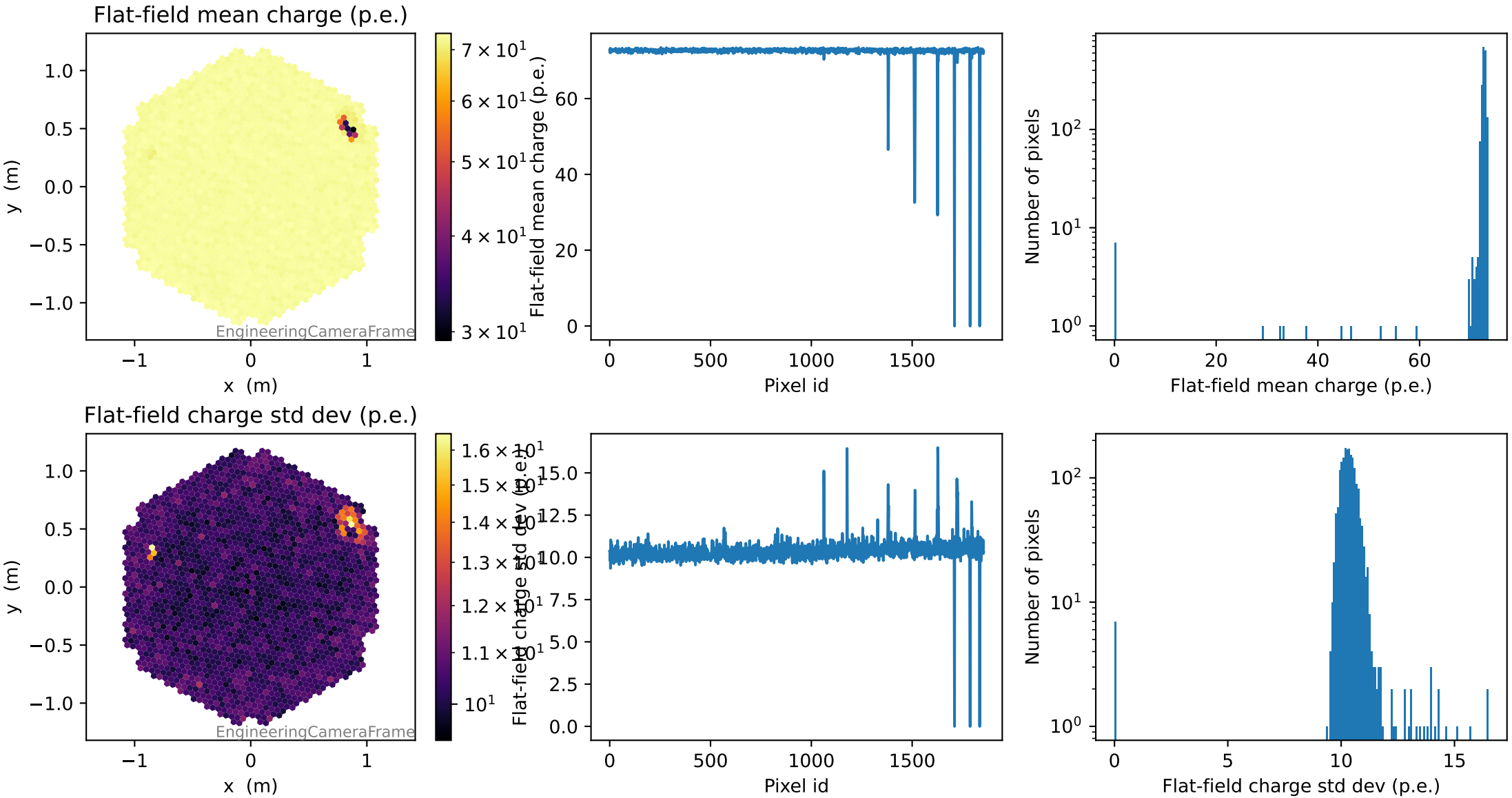

number of events
10^6
10^5
10^4
10^3
10^2
10^1
10^0
1
4
5
32
33
37
ucts_trigger_type
number of events
10^7
10^6
0
trigger_type
rate (events/s)
10^3
10^2
flatfield
pedestals
cosmics
0
5
10
15
20
25
30
35
subrun index
Fraction of events surviving cleaning
1.0
0.8
0.6
0.4
0.2
0.0
flatfield
pedestals
cosmics
0
5
10
15
20
25
30
35
subrun index

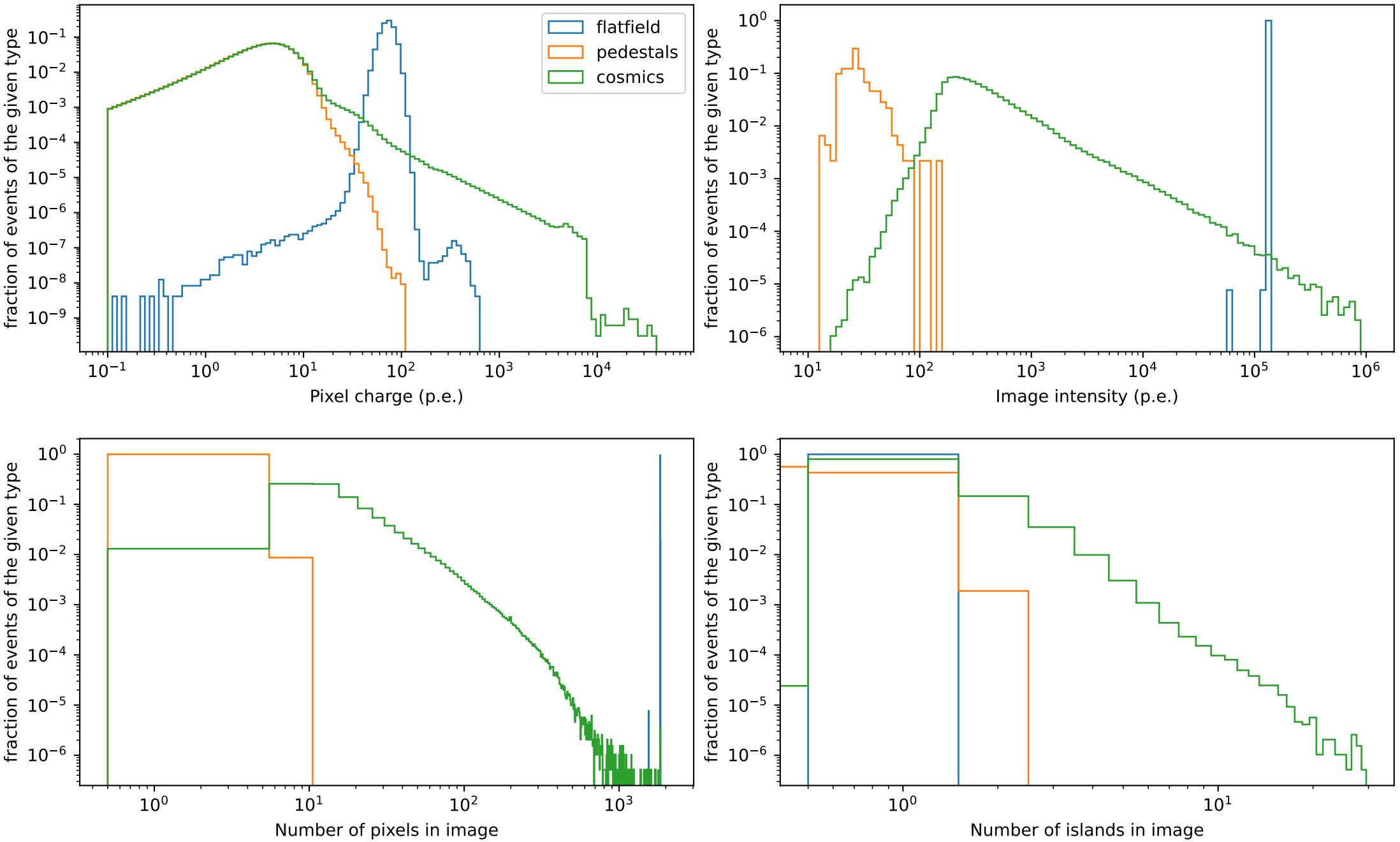

+1.7692e9
dragon_time
timestamp
90200
90000
89800
89600
89400
89200
89000
0.0
0.5
1.0
1.5
2.0
event id
1e6
events
10^4
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
delta_t (ms) from Dragon timestamp
telescope altitude (deg)
72.5
72.0
71.5
71.0
70.5
70.0
69.5
-45.0
-44.0
-43.0
-42.0
-41.0
-40.0
-39.0
-38.0
-37.0
telescope azimuth (deg)
telescope altitude (deg)
72.5
72.0
71.5
71.0
70.5
70.0
69.5
24 21:10
24 21:15
24 21:20
24 21:25
24 21:30
time (UTC)

PEDESTALS, pixel-wise charge info

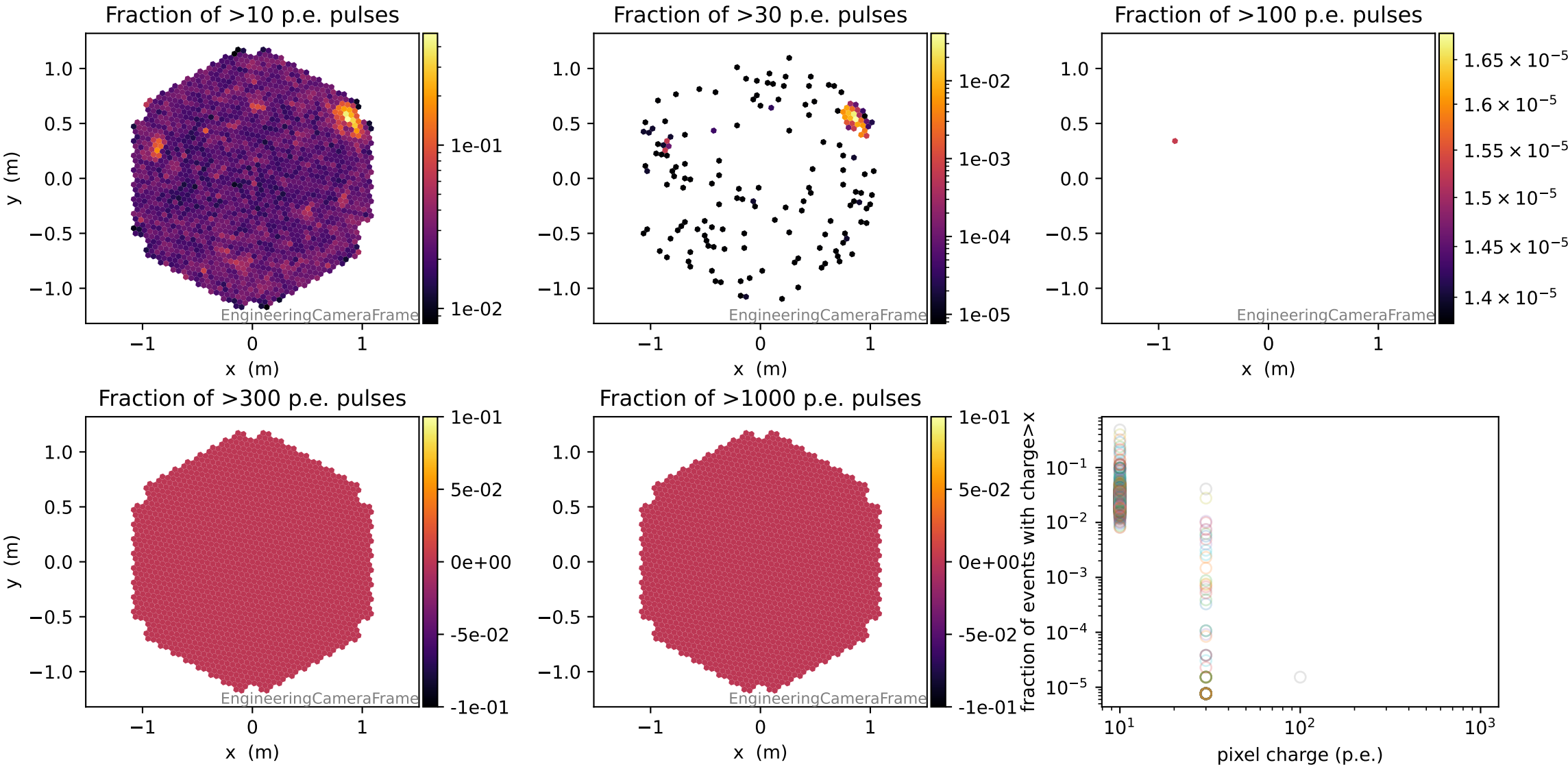


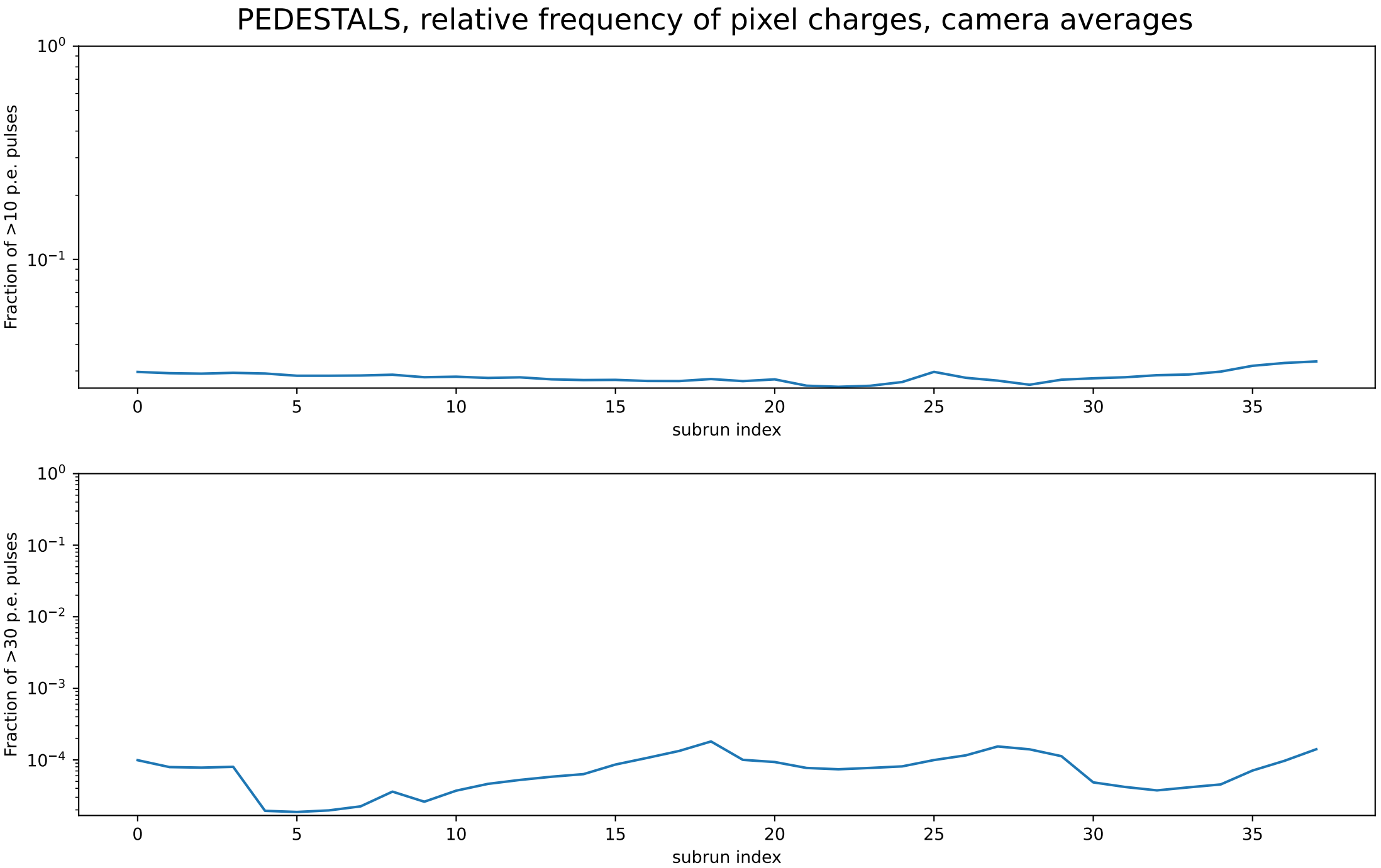
FLATFIELD, pixel-wise charge info



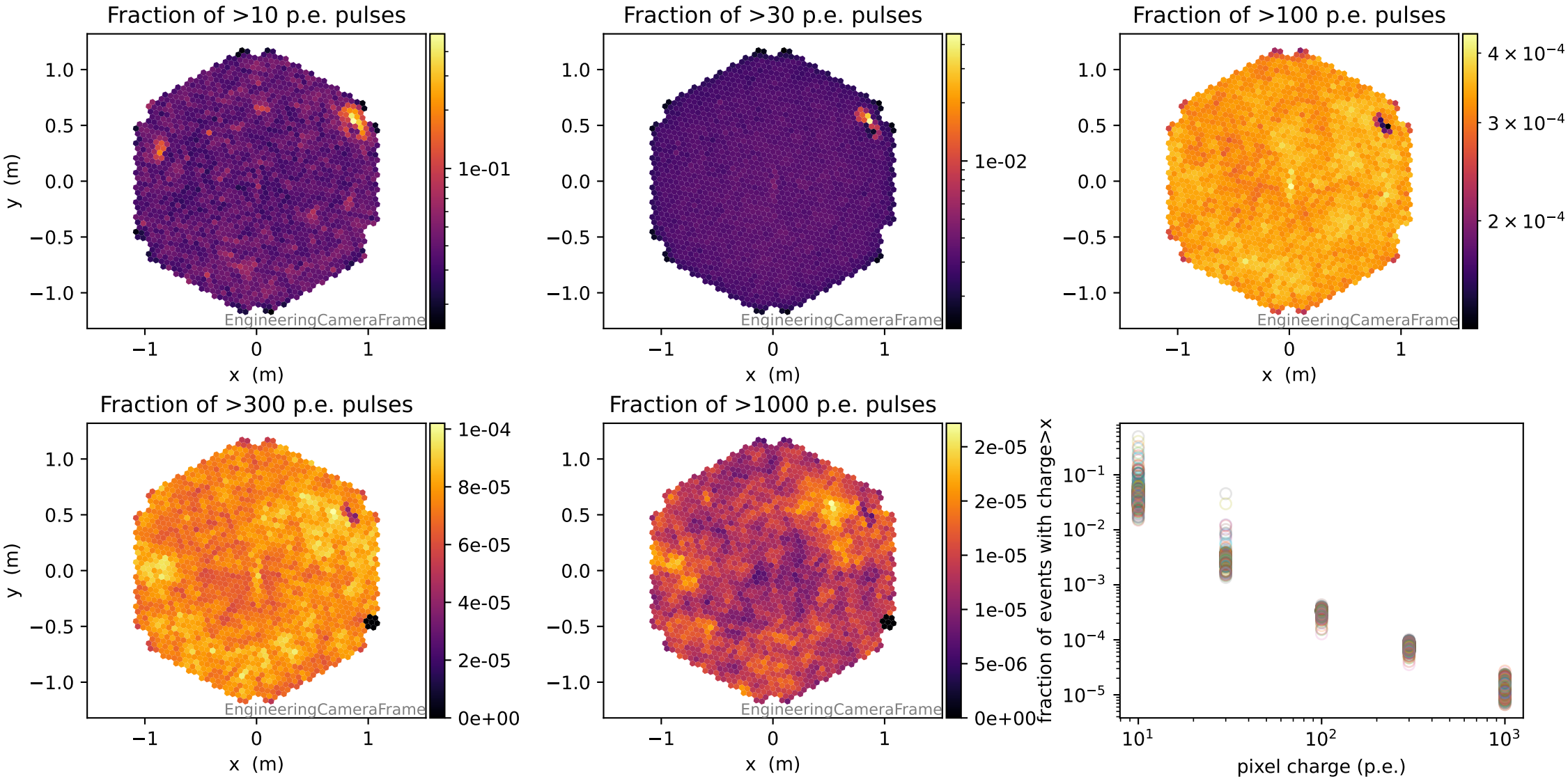

flatfield
pedestals
cosmics
fraction of events of the given type
Pixel charge (p.e.)
Image intensity (p.e.)
Number of pixels in image
Number of islands in image

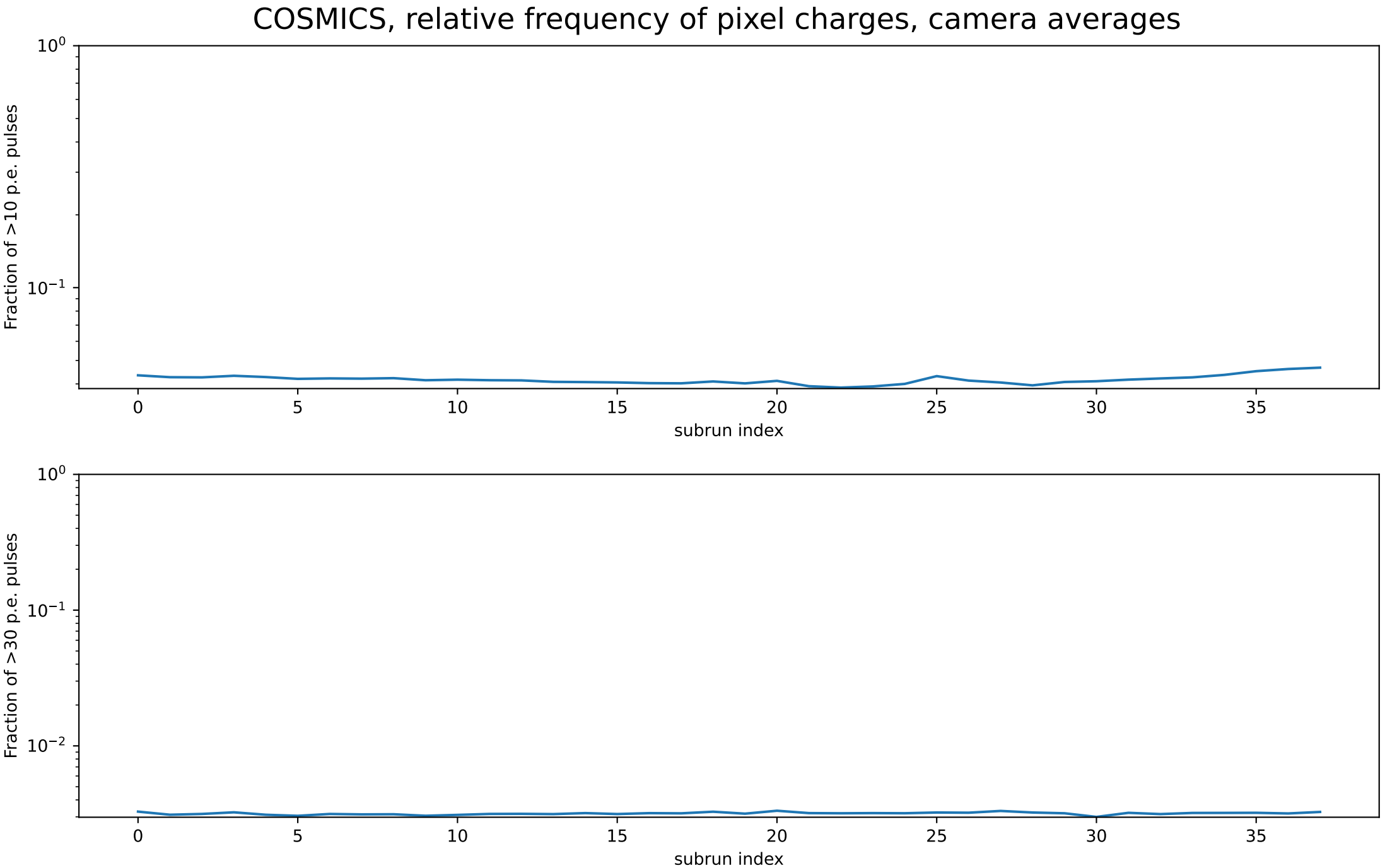
PEDESTALS, relative frequency of pixel charges



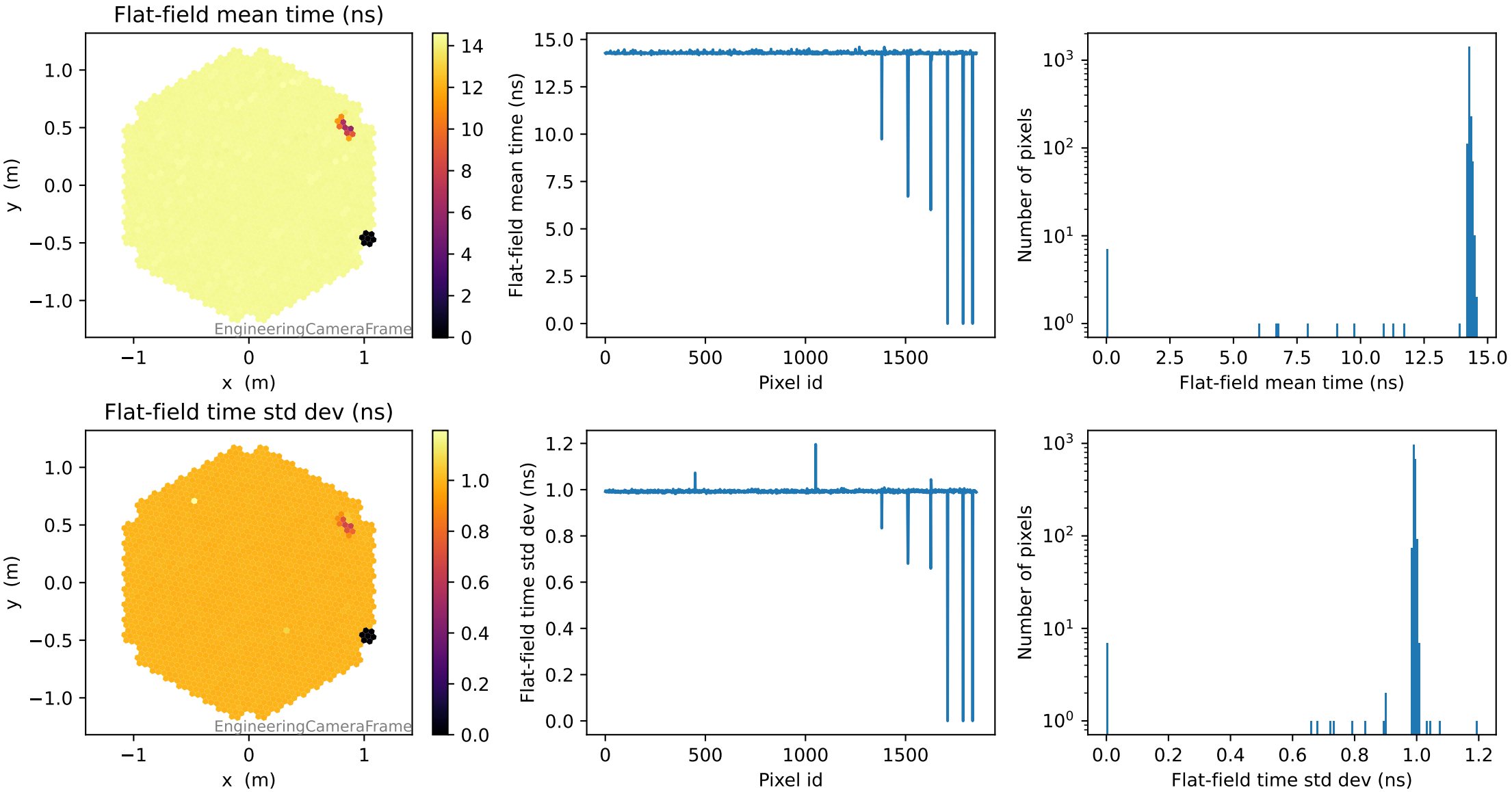

PEDESTALS, relative frequency of pixel charges, camera averages
Fraction of >10 p.e. pulses
10^0
10^{-1}
0
5
10
15
20
25
30
35
subrun index
Fraction of >30 p.e. pulses
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
0
5
10
15
20
25
30
35
subrun index

COSMICS, relative frequency of pixel charges

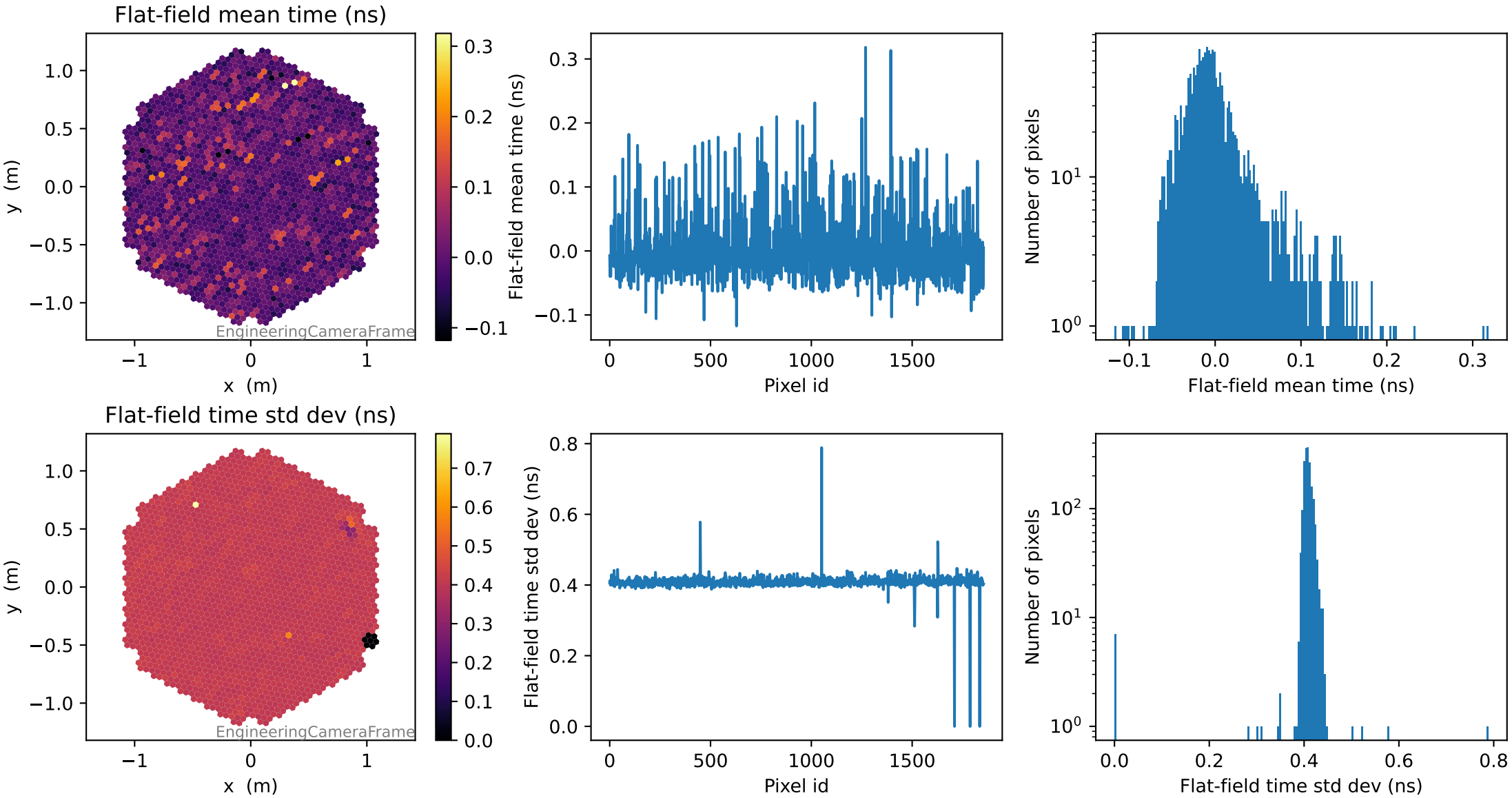



COSMICS, relative frequency of pixel charges, camera averages
Fraction of >10 p.e. pulses
10^0
10^{-1}
0
5
10
15
20
25
30
35
subrun index
Fraction of >30 p.e. pulses
10^0
10^{-1}
10^{-2}
0
5
10
15
20
25
30
35
subrun index

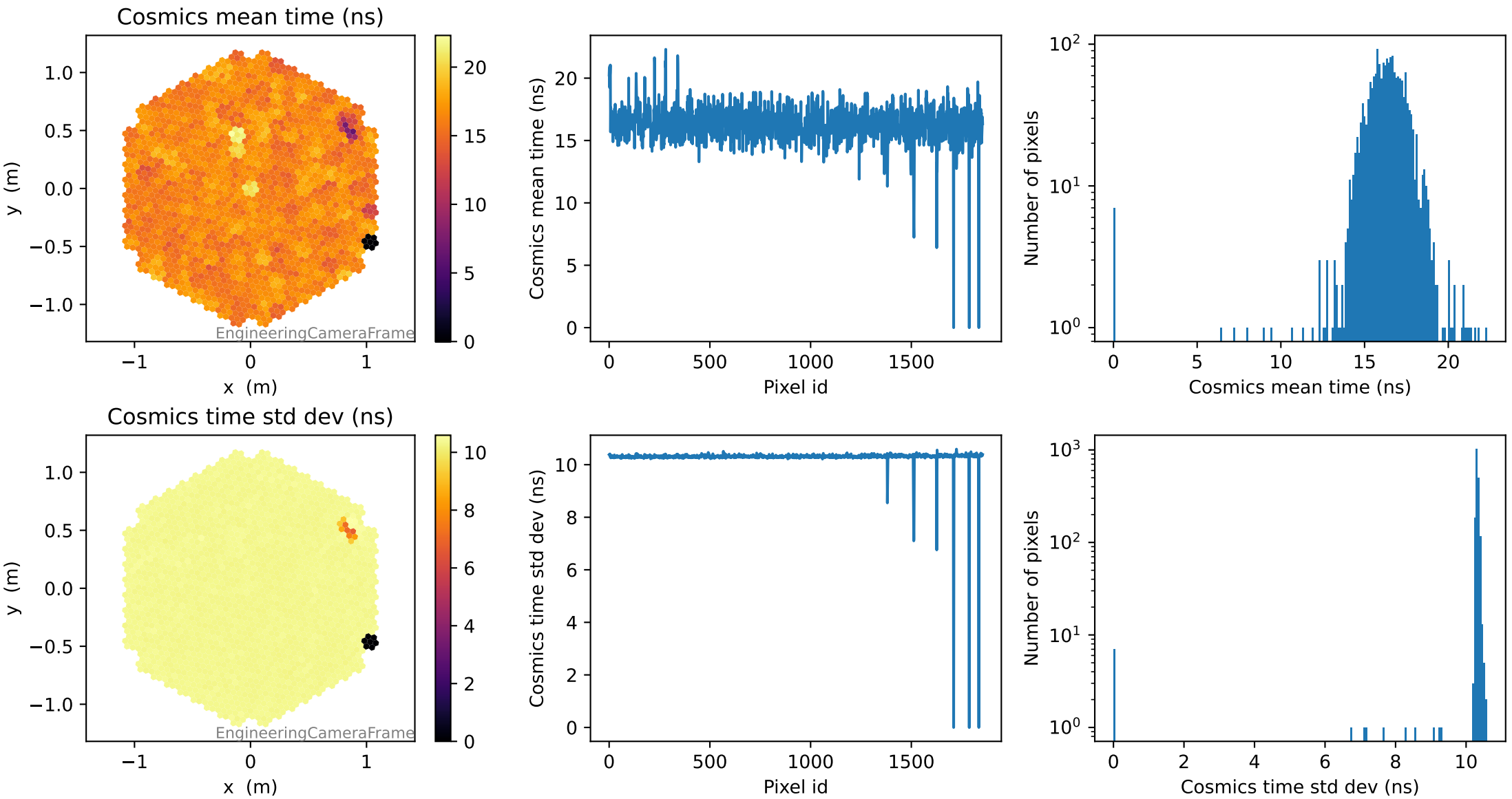
FLATFIELD, pixel-wise pulse time info



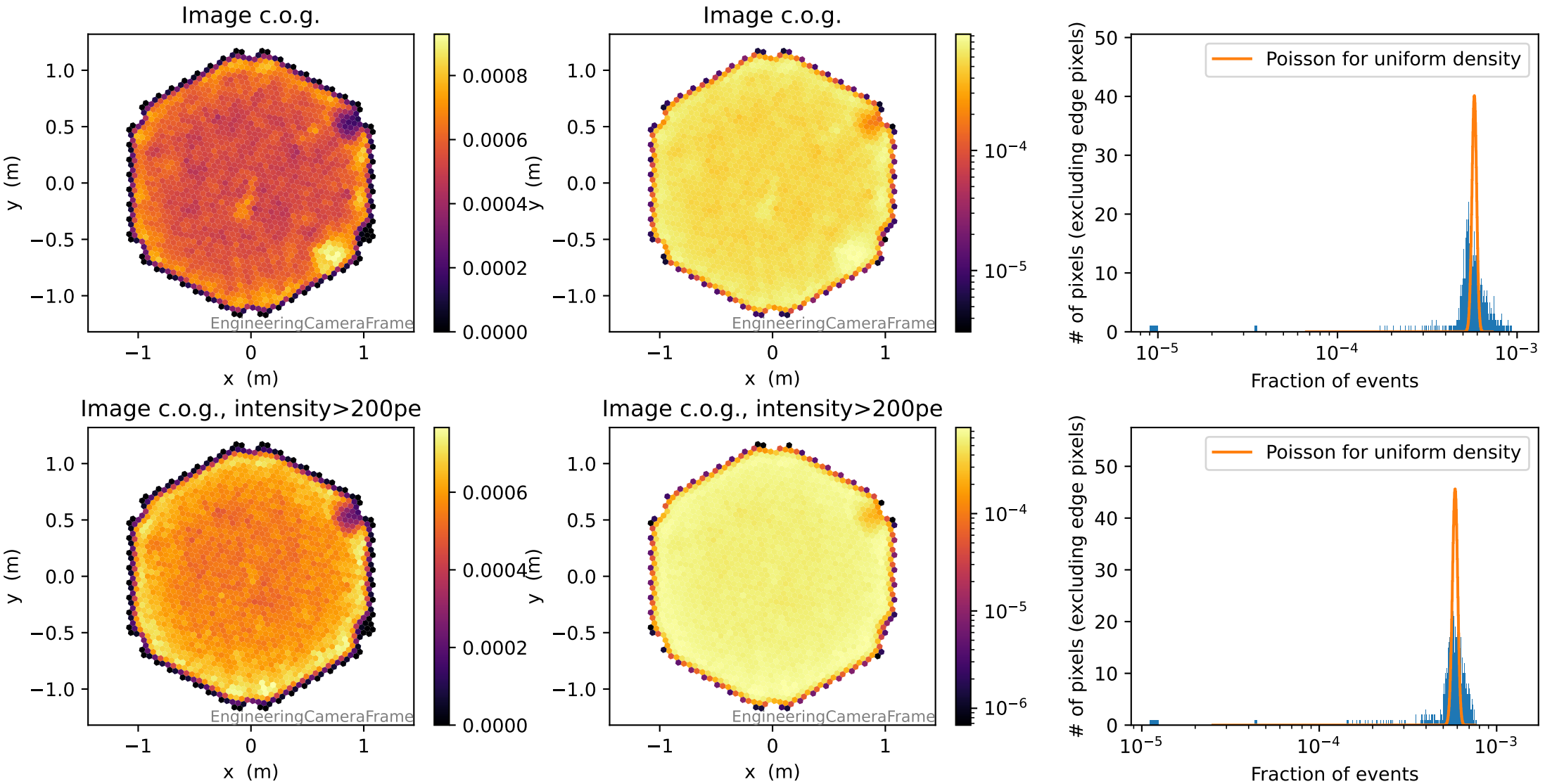
FLATFIELD, pixel-wise pulse time relative to camera mean



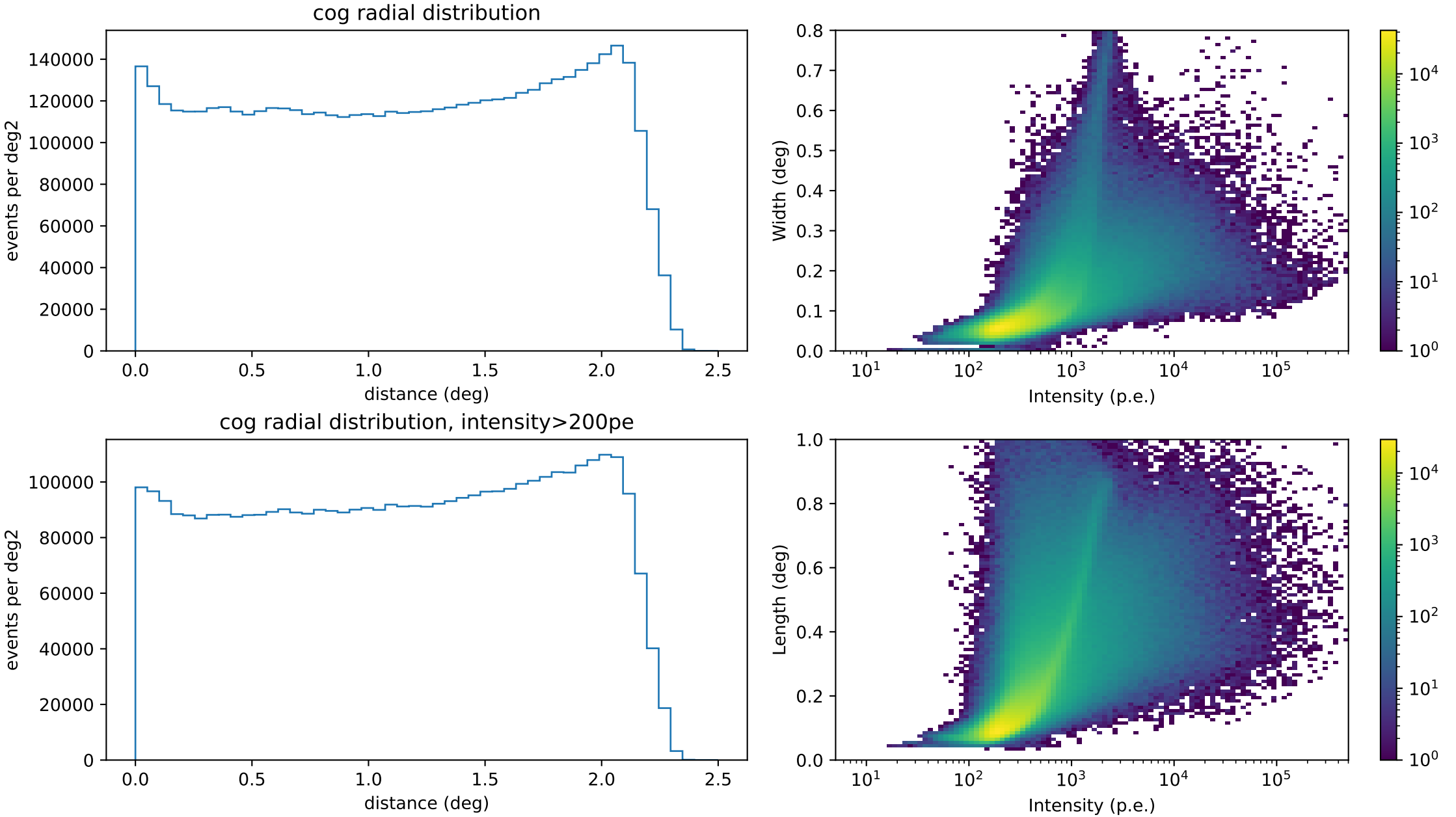
COSMICS, pixel-wise pulse time info for pixel charge > 1 p.e.



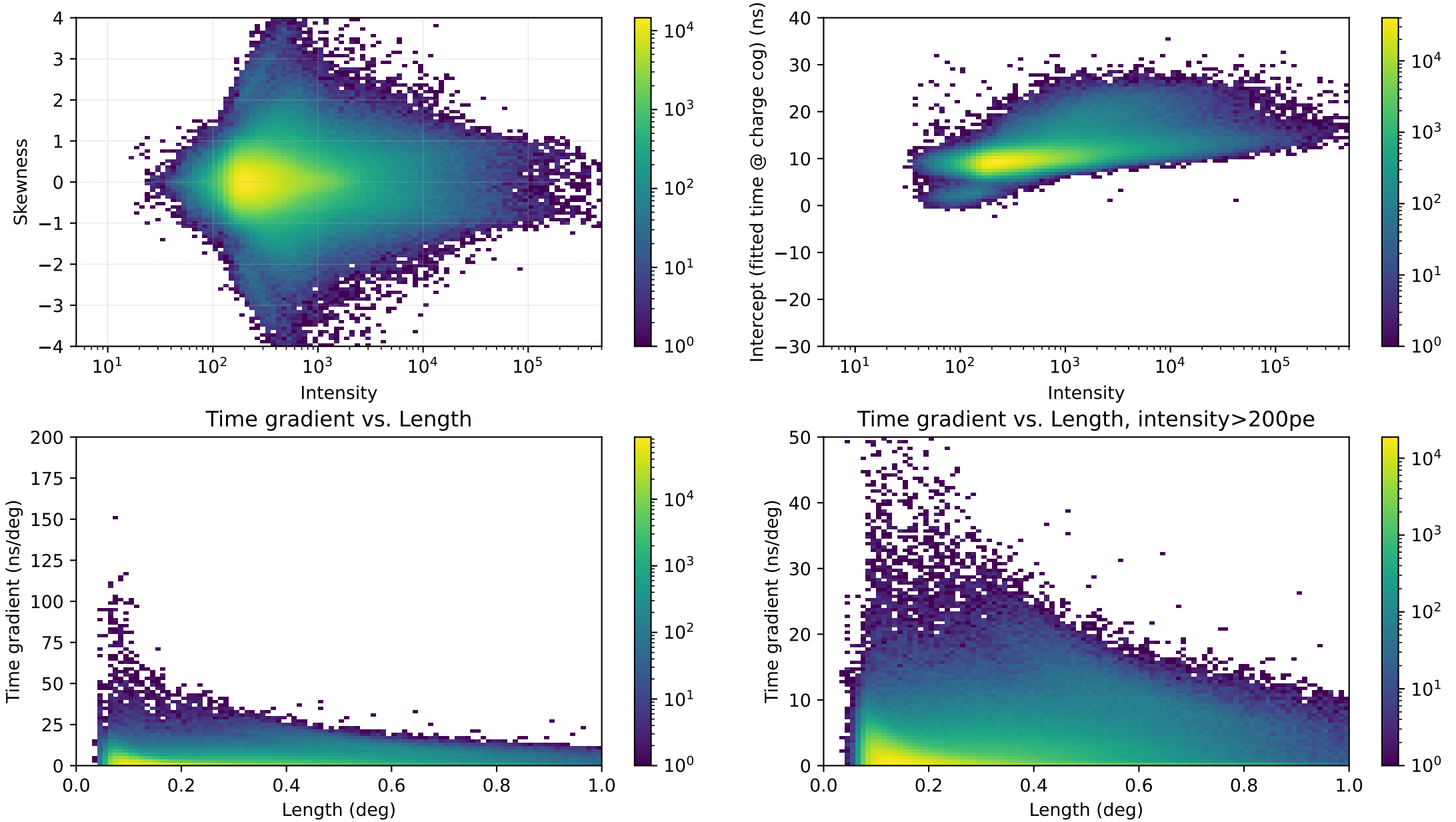
COSMICS, image c.o.g. position



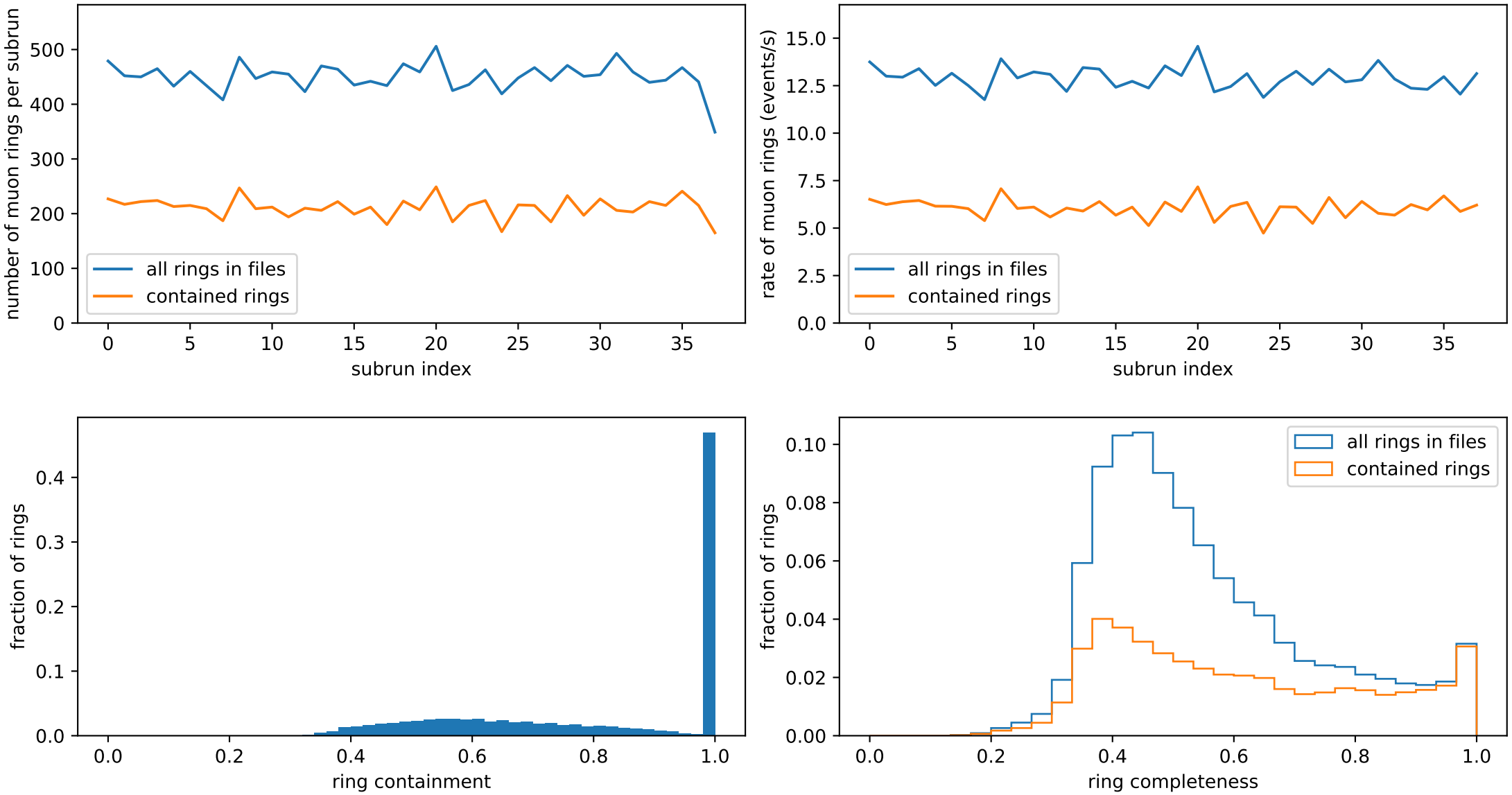
COSMICS, image parameters



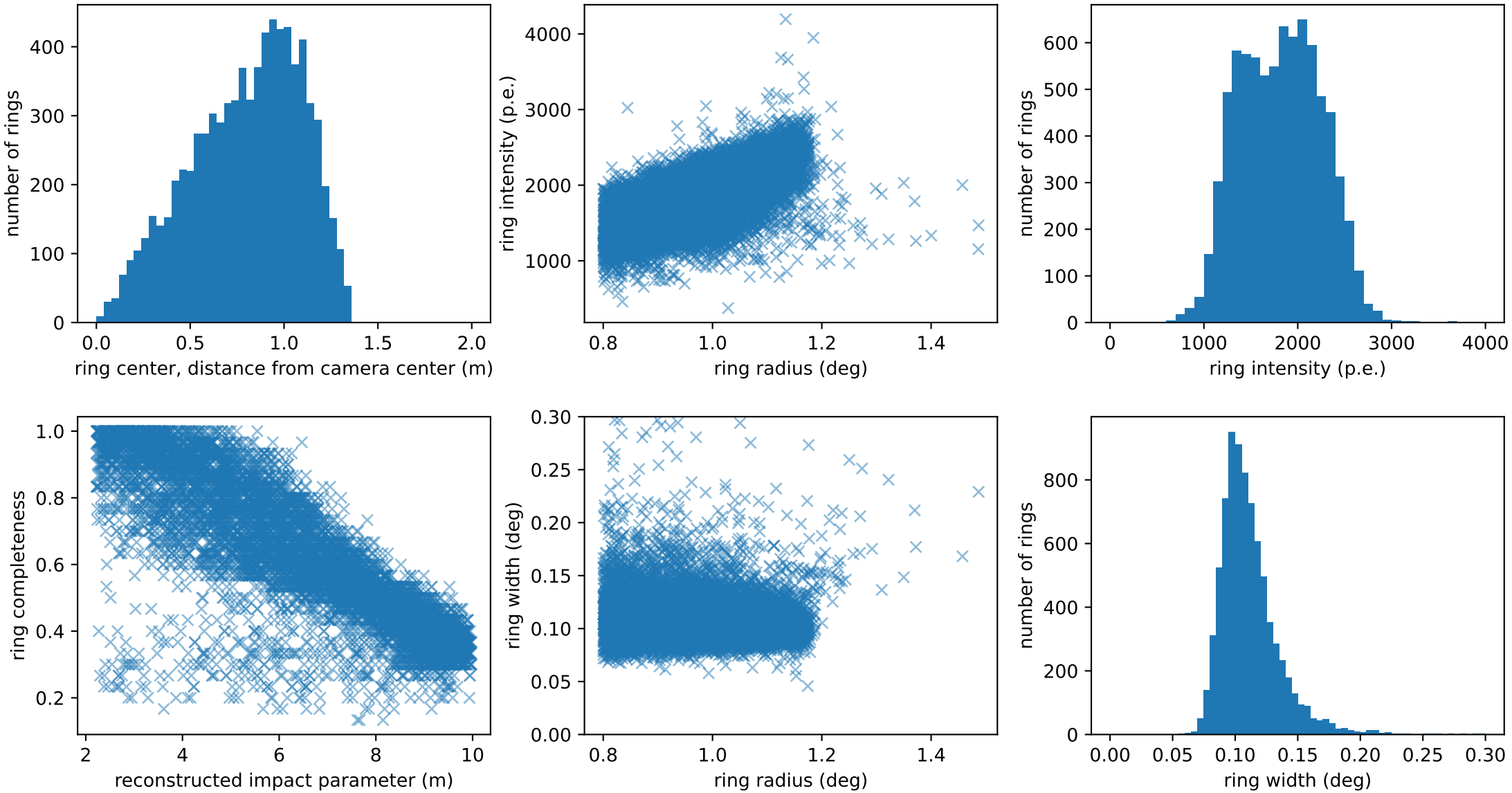
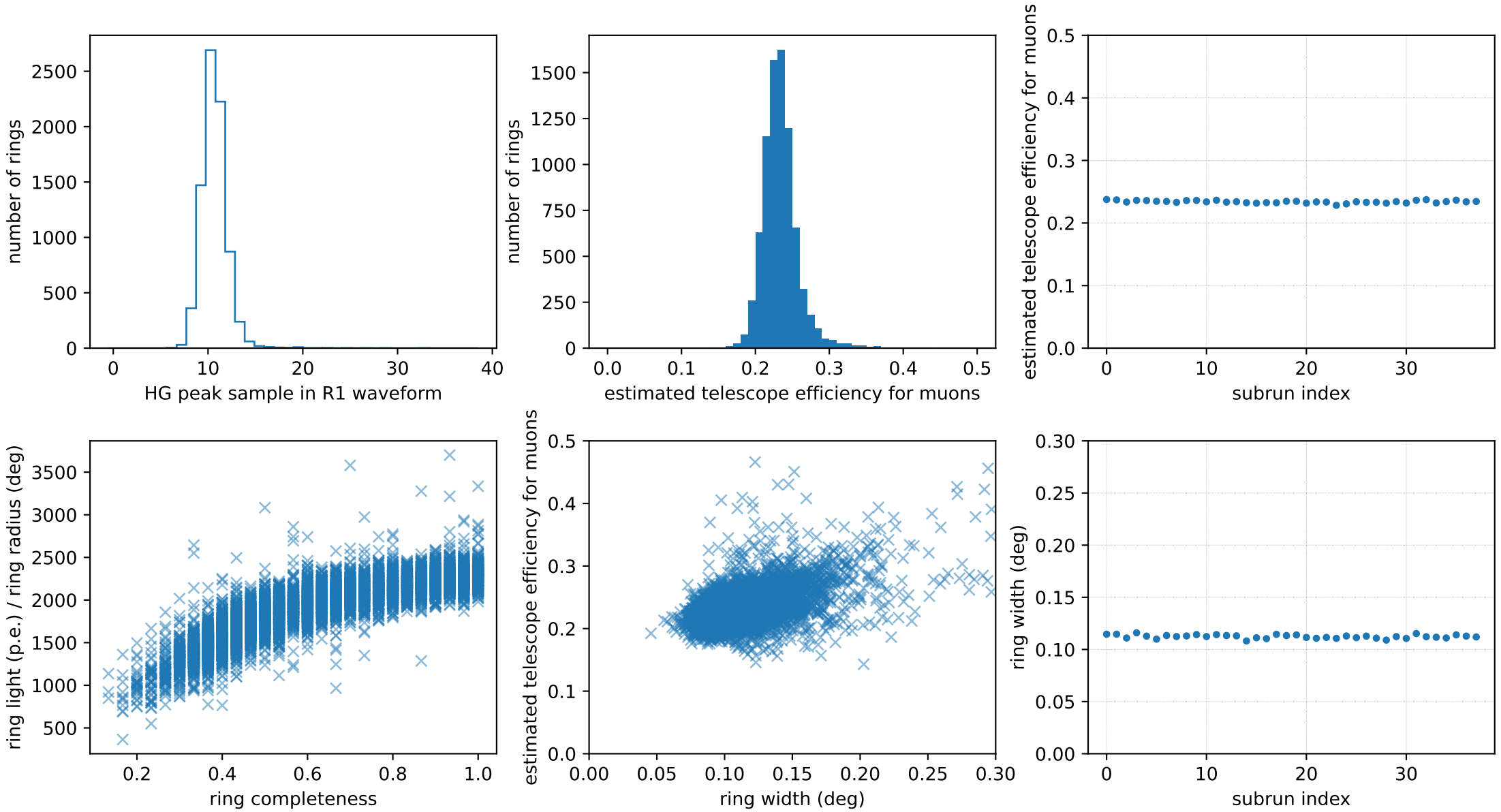
COSMICS, image parameters



MUON RINGS


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