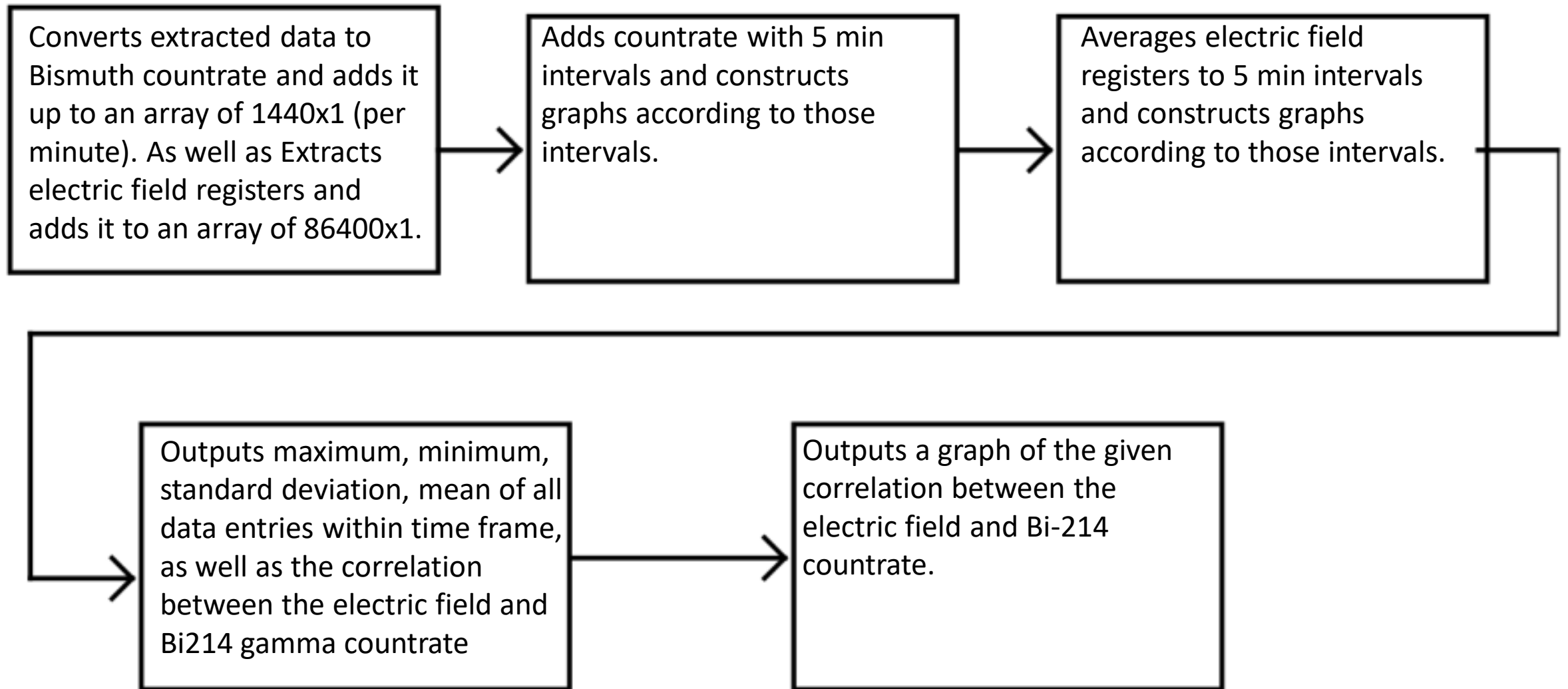
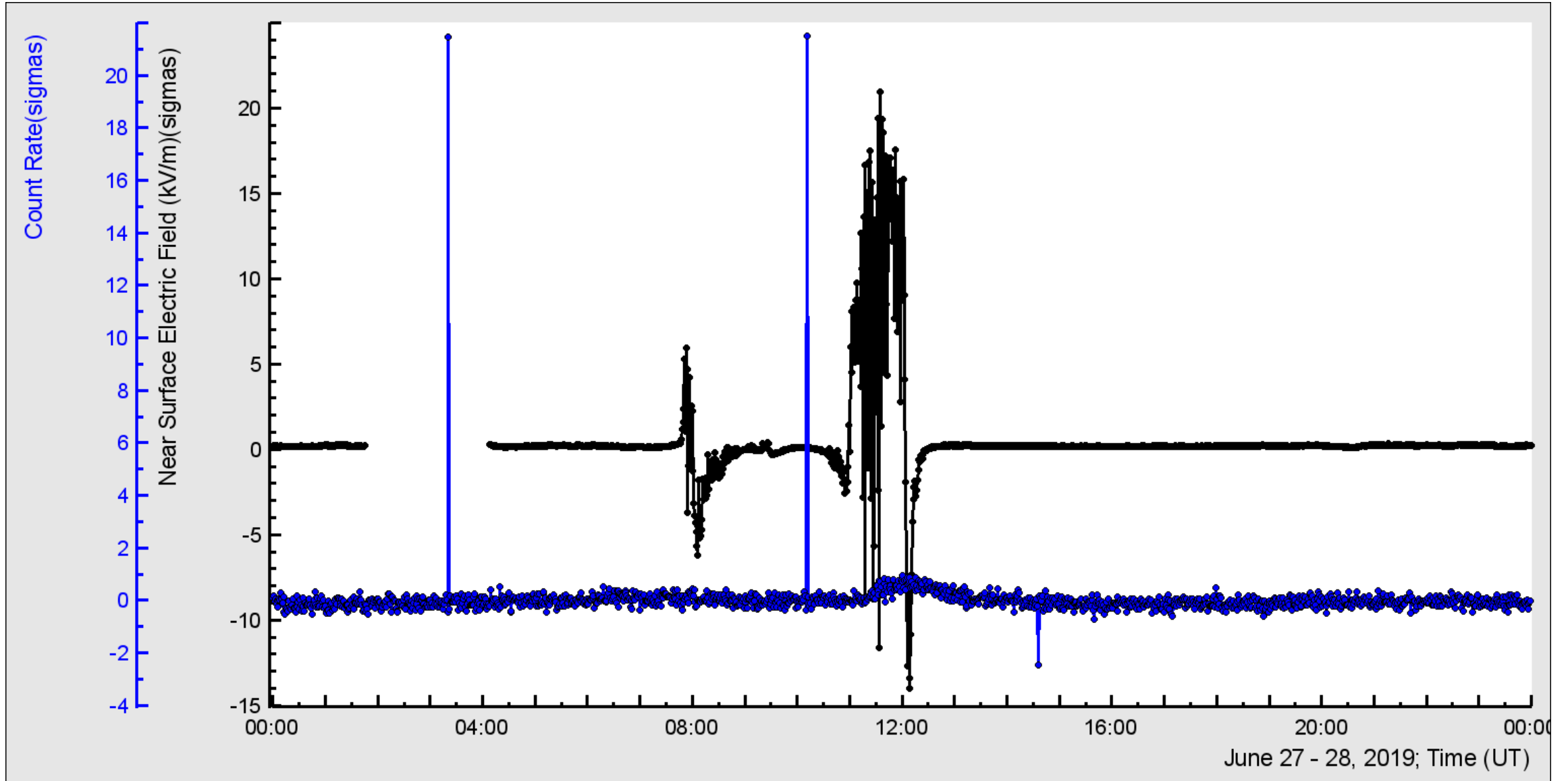


Correlation of Electric Fields with Gamma Ray Fluxes Generated by Radon-222 Progenies

Alexander O. Elbekian

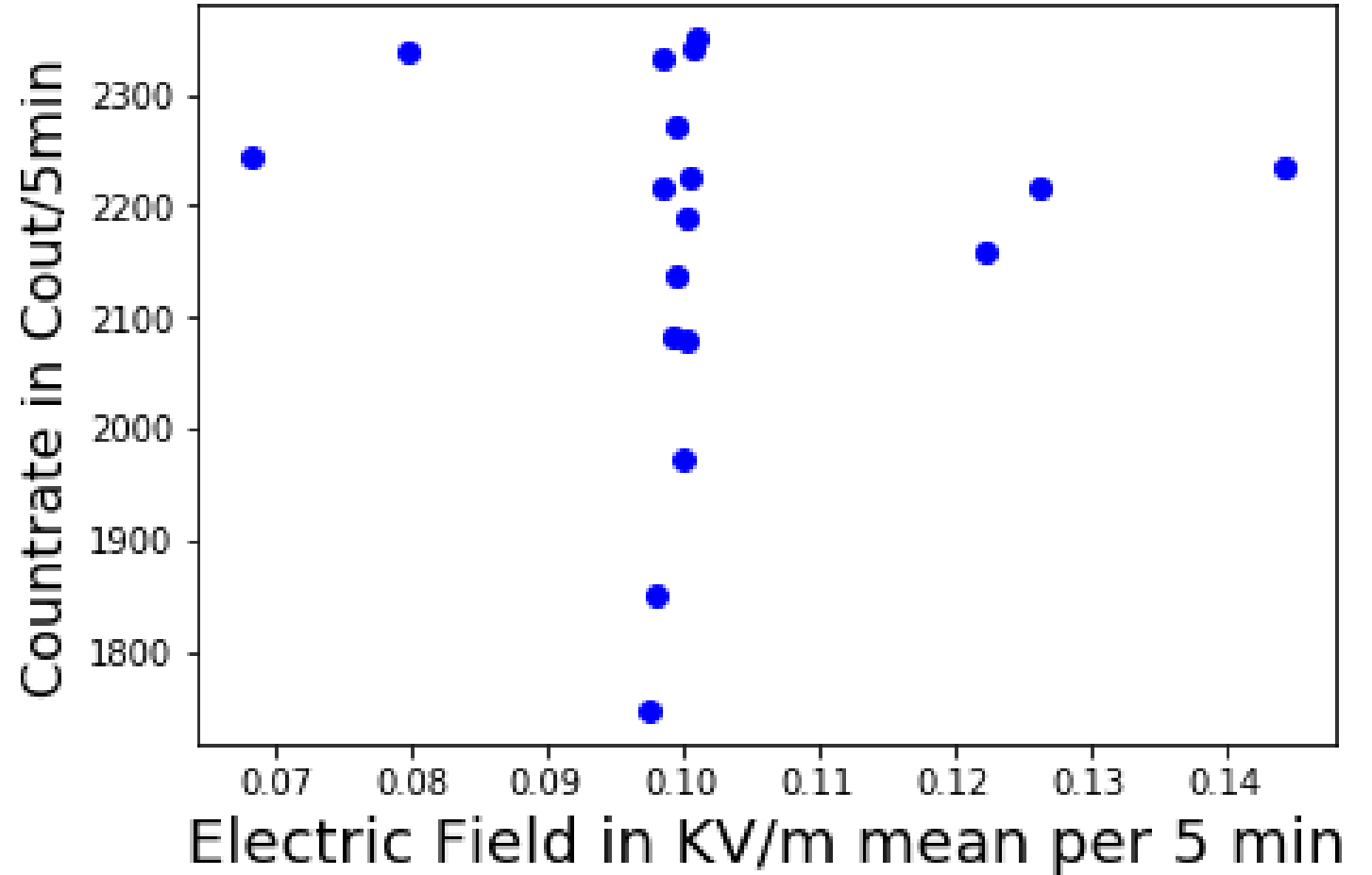


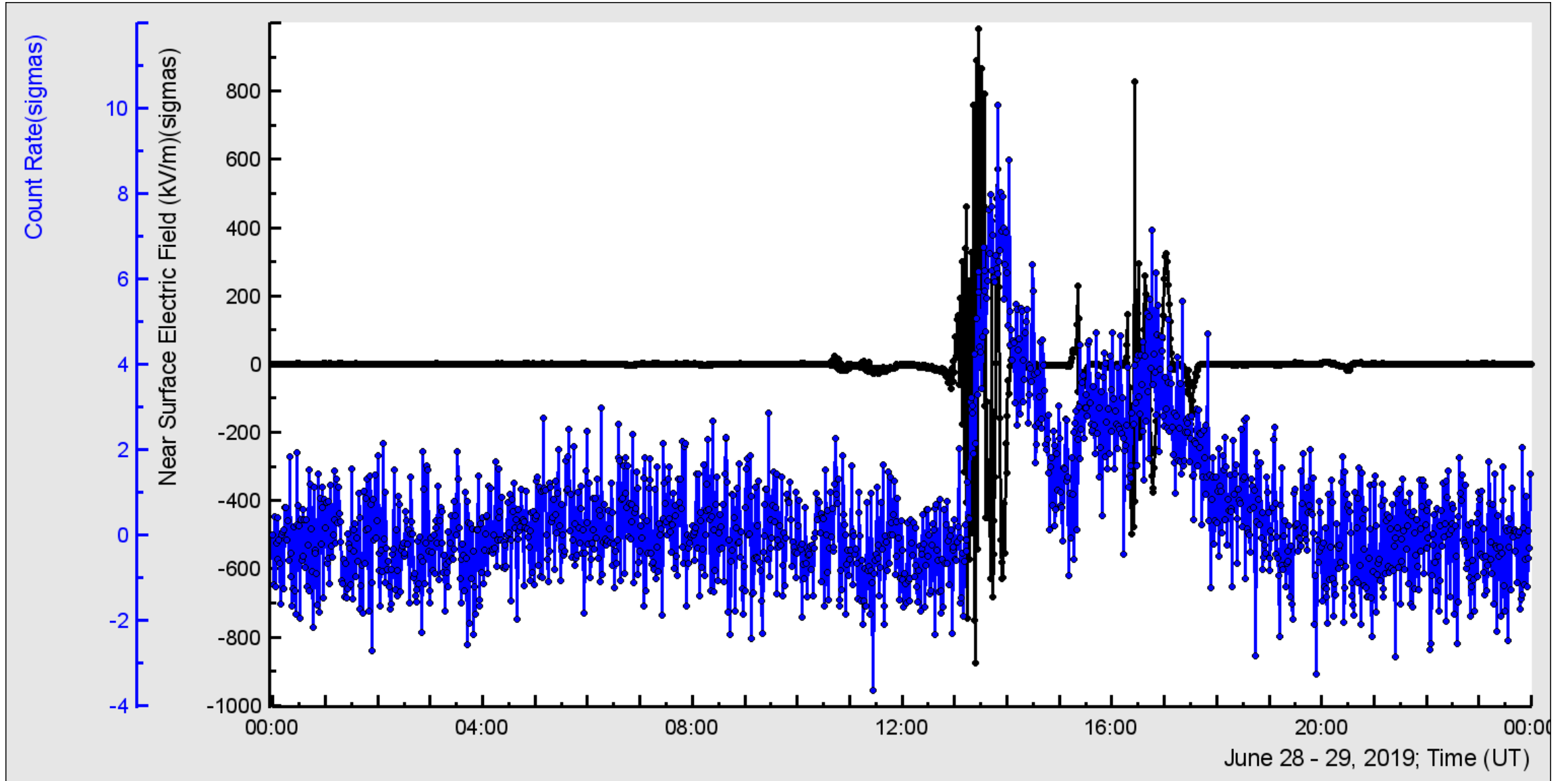




June 27

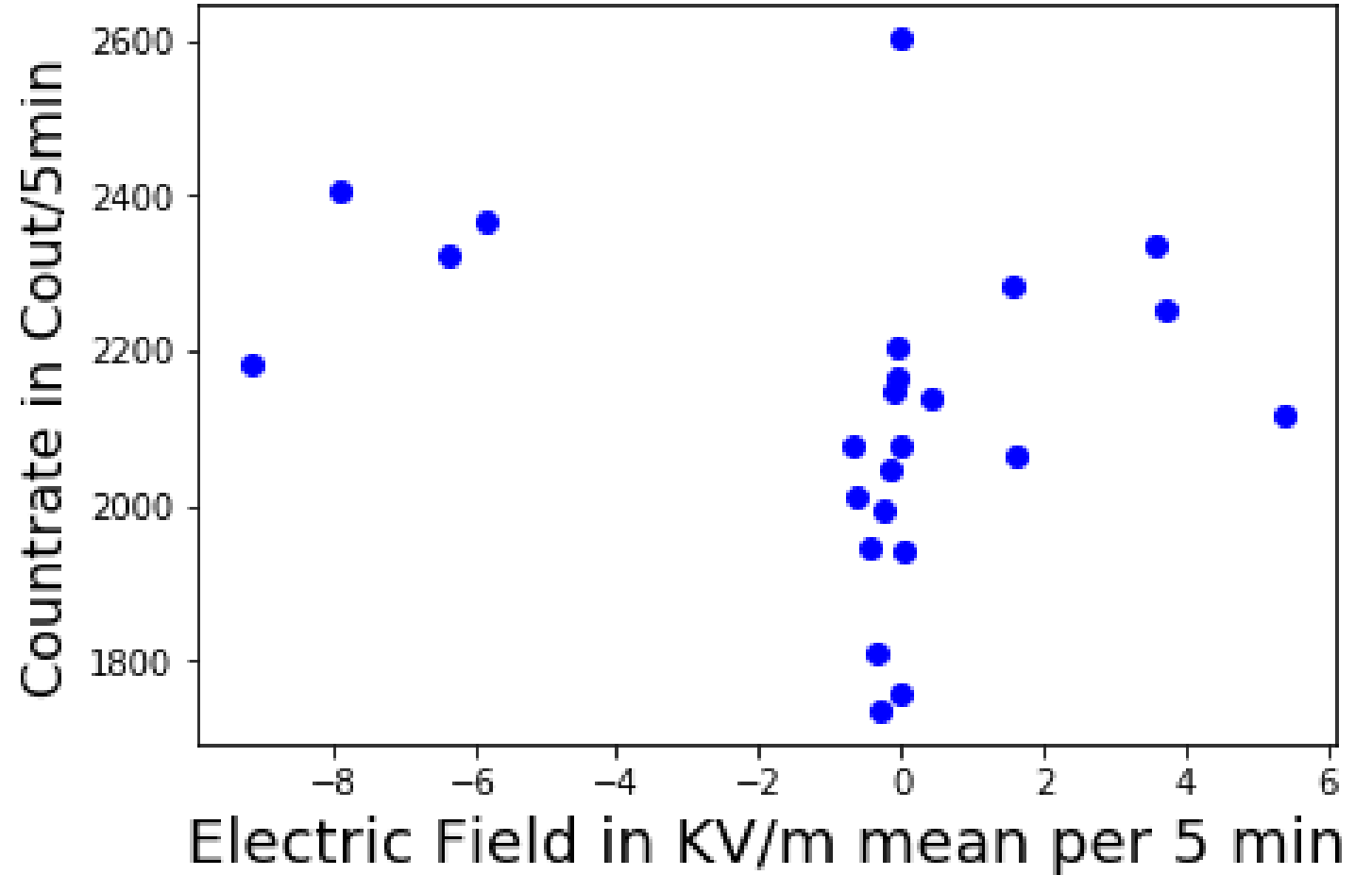
- max= 2350.0
- min= 1747.0
- sigma=
163.25161409974737
- mu= 2165.722222222222
- R=0.003694021706383756

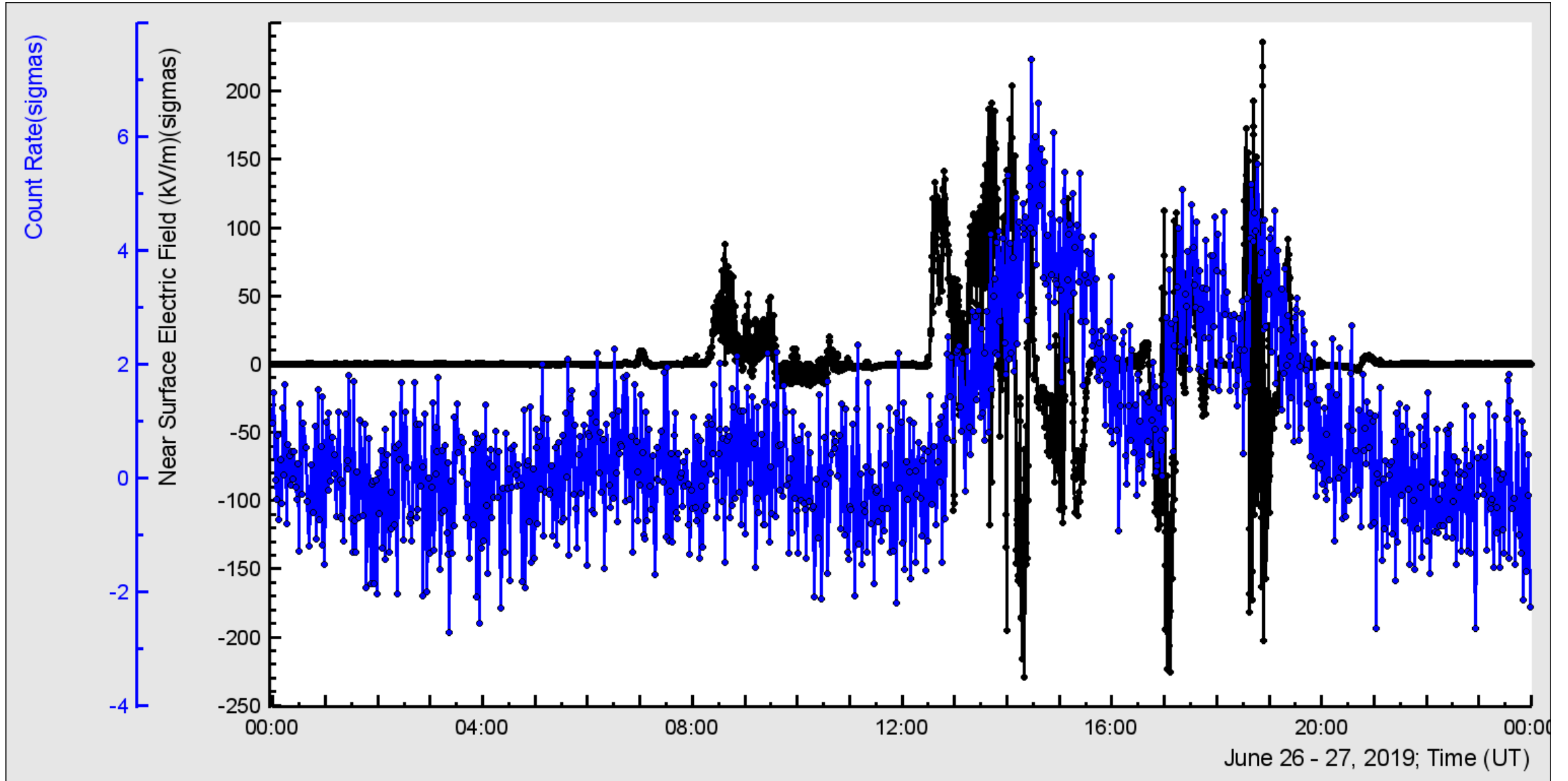




June 28

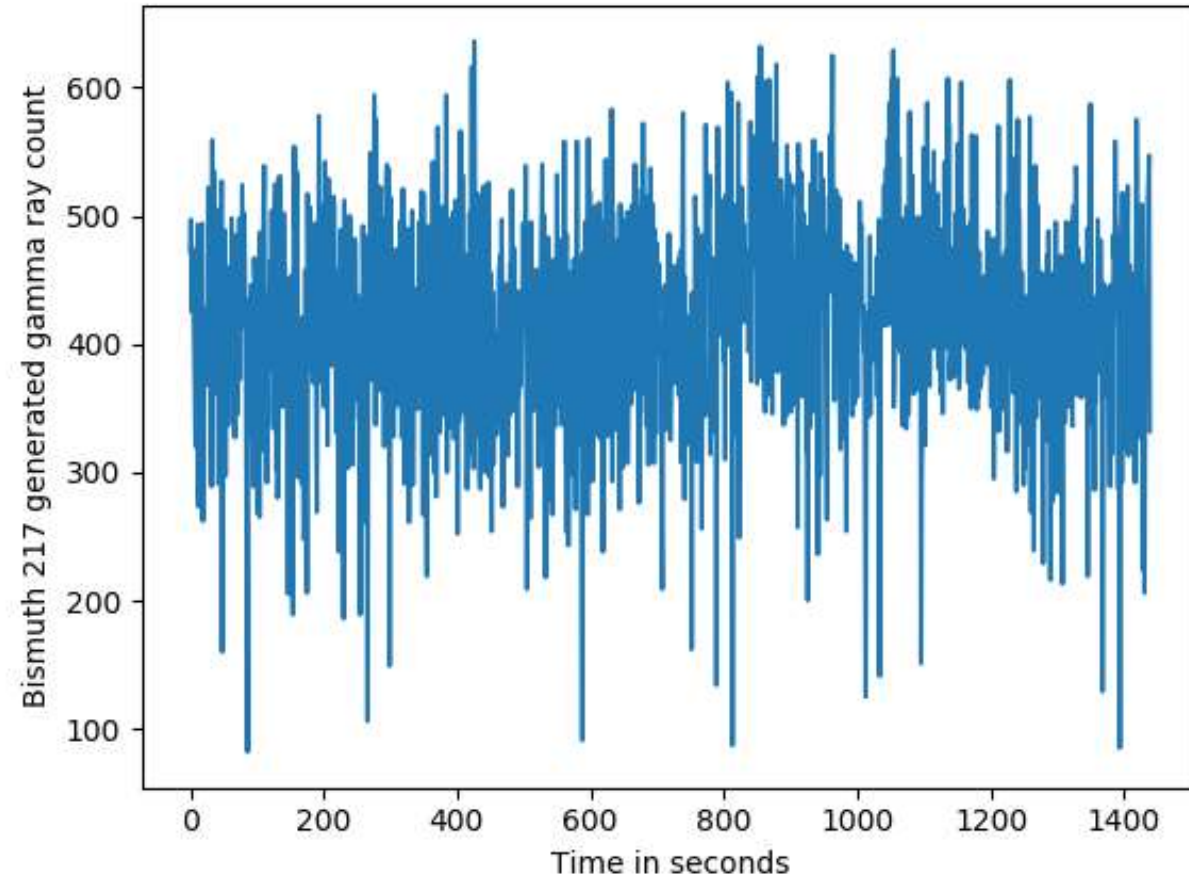
- max= 2605.0
- min= 1736.0
- sigma=
209.93907433004358
- mu=
2187.7916666666665
- R=-0.22338253313344136

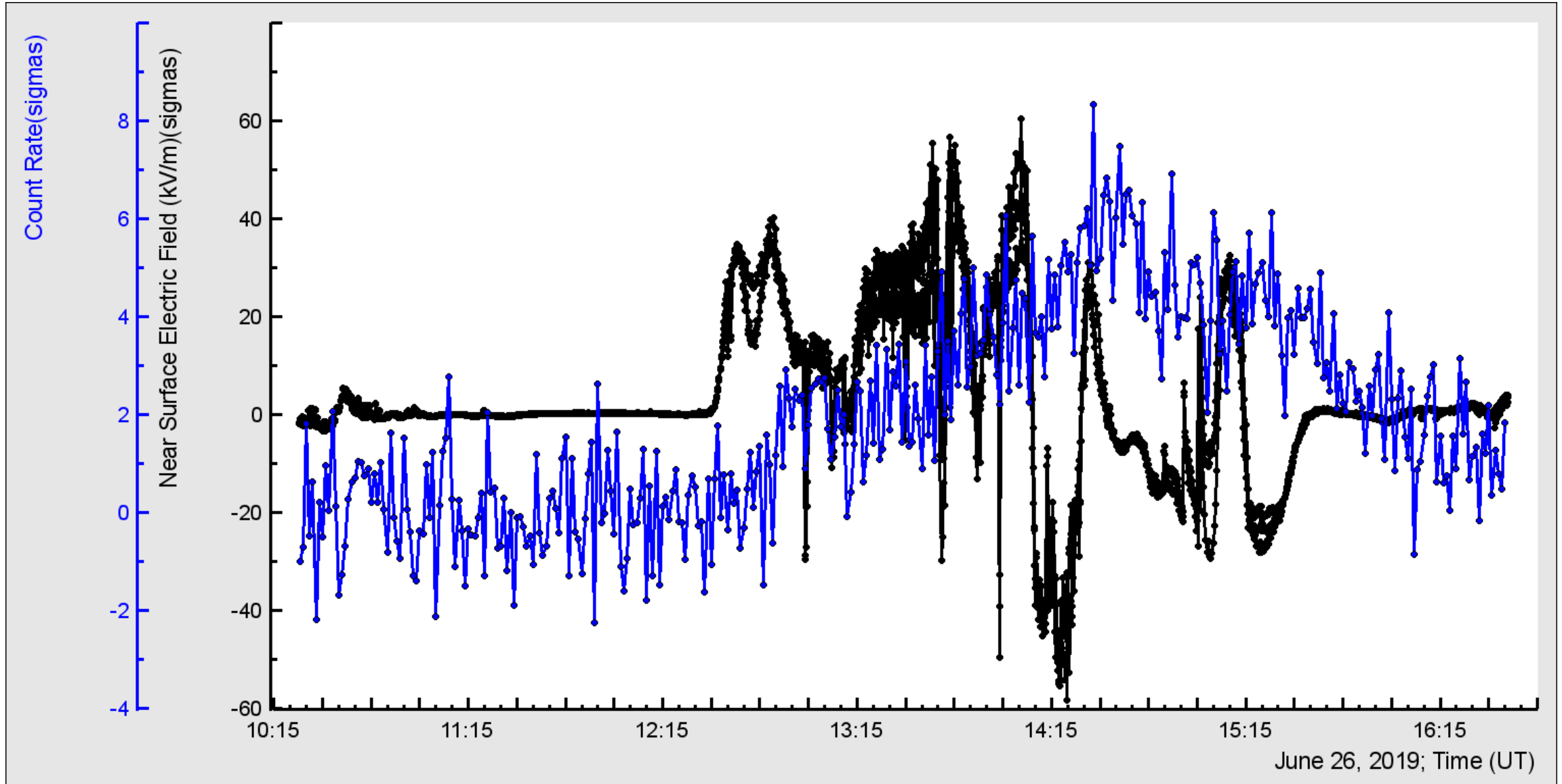


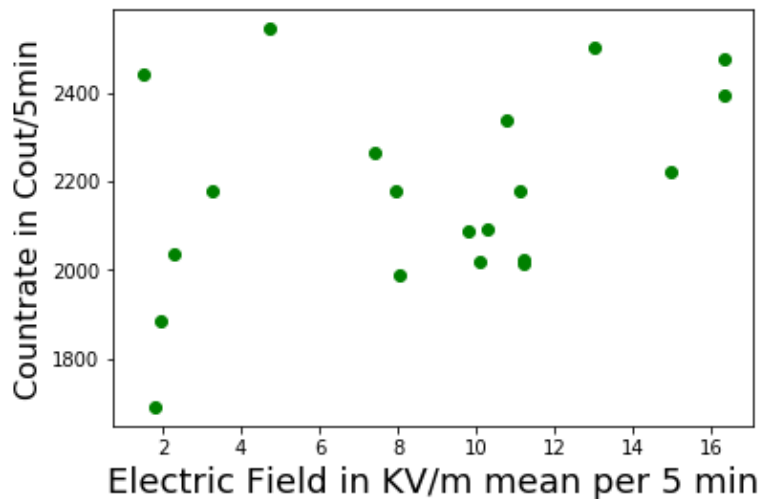
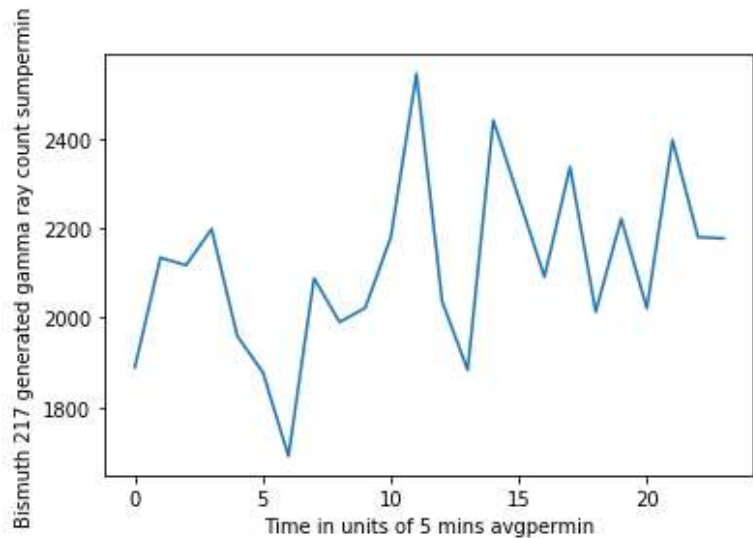


June 26

- max= 636.0
- min= 82.0
- sigma=
81.83283546984029
- mu=
416.66527777777776

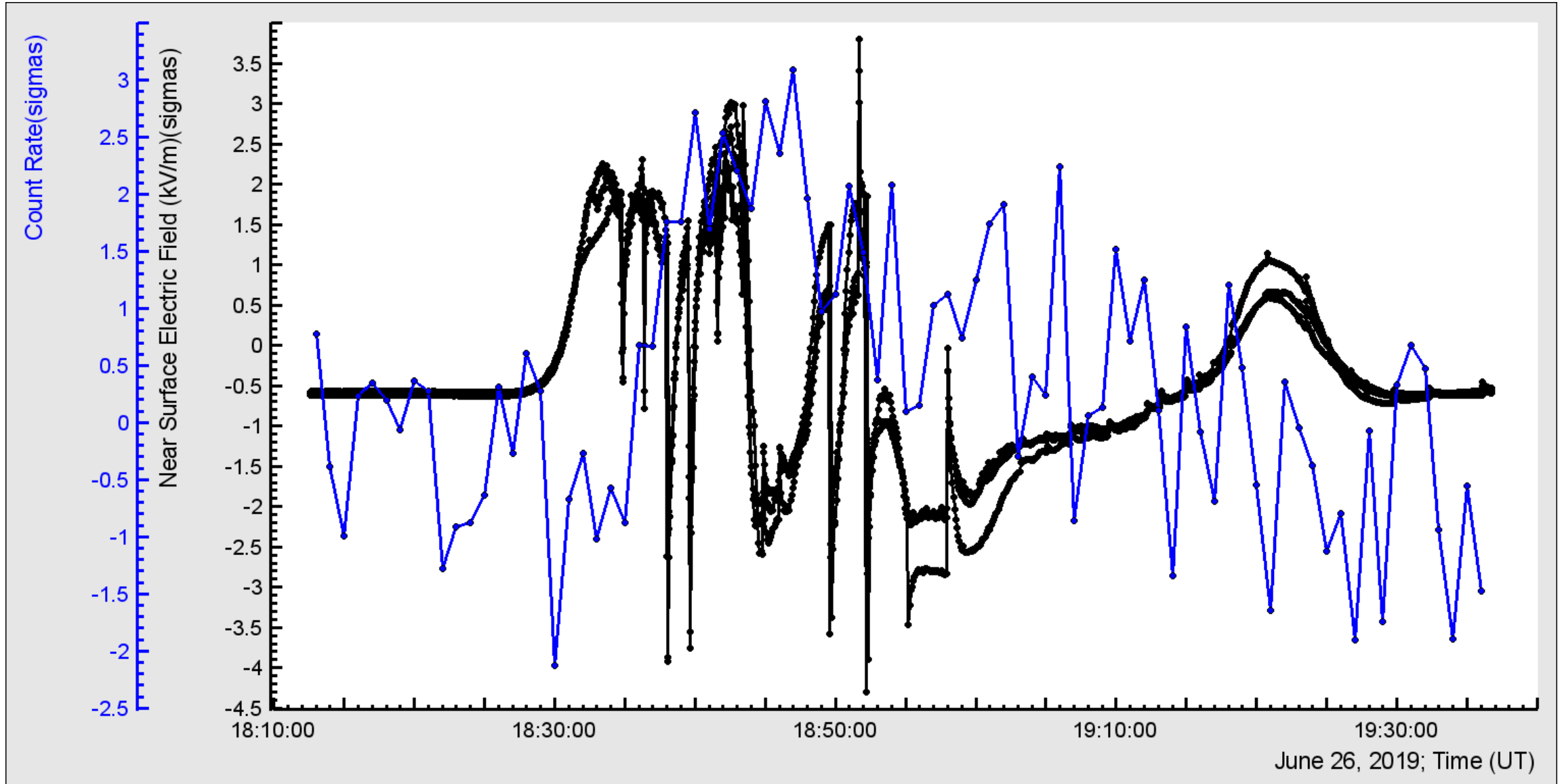


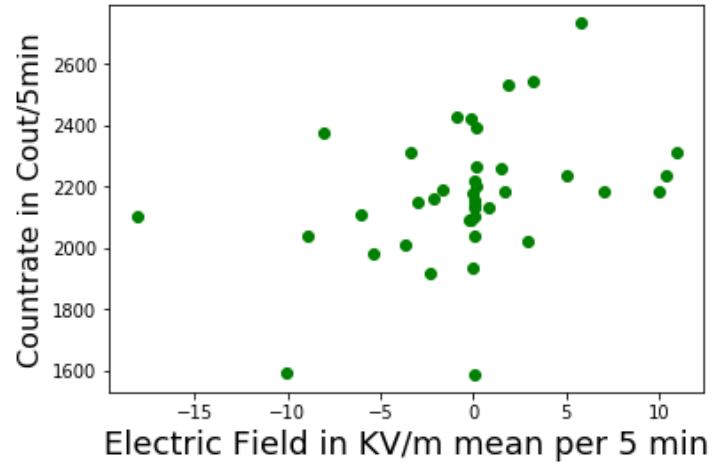




First Event:

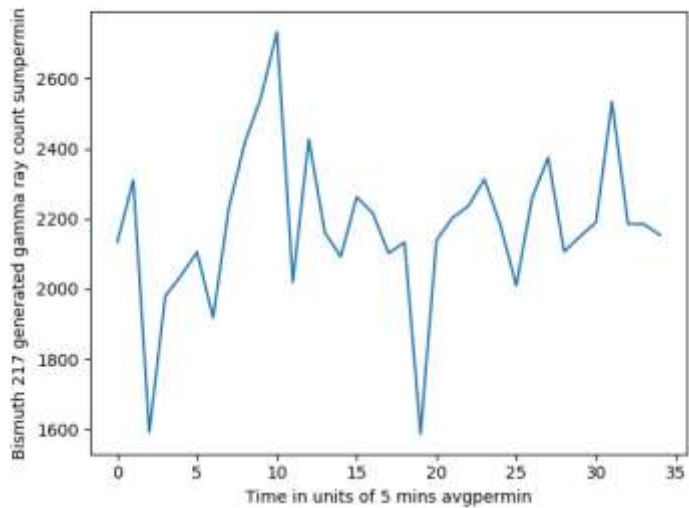
- max= 2545.0
- min= 1691.0
- sigma= 192.56550112162412
- mu= 2114.833333333333335
- R=0.3735215645995485
time (150→170)



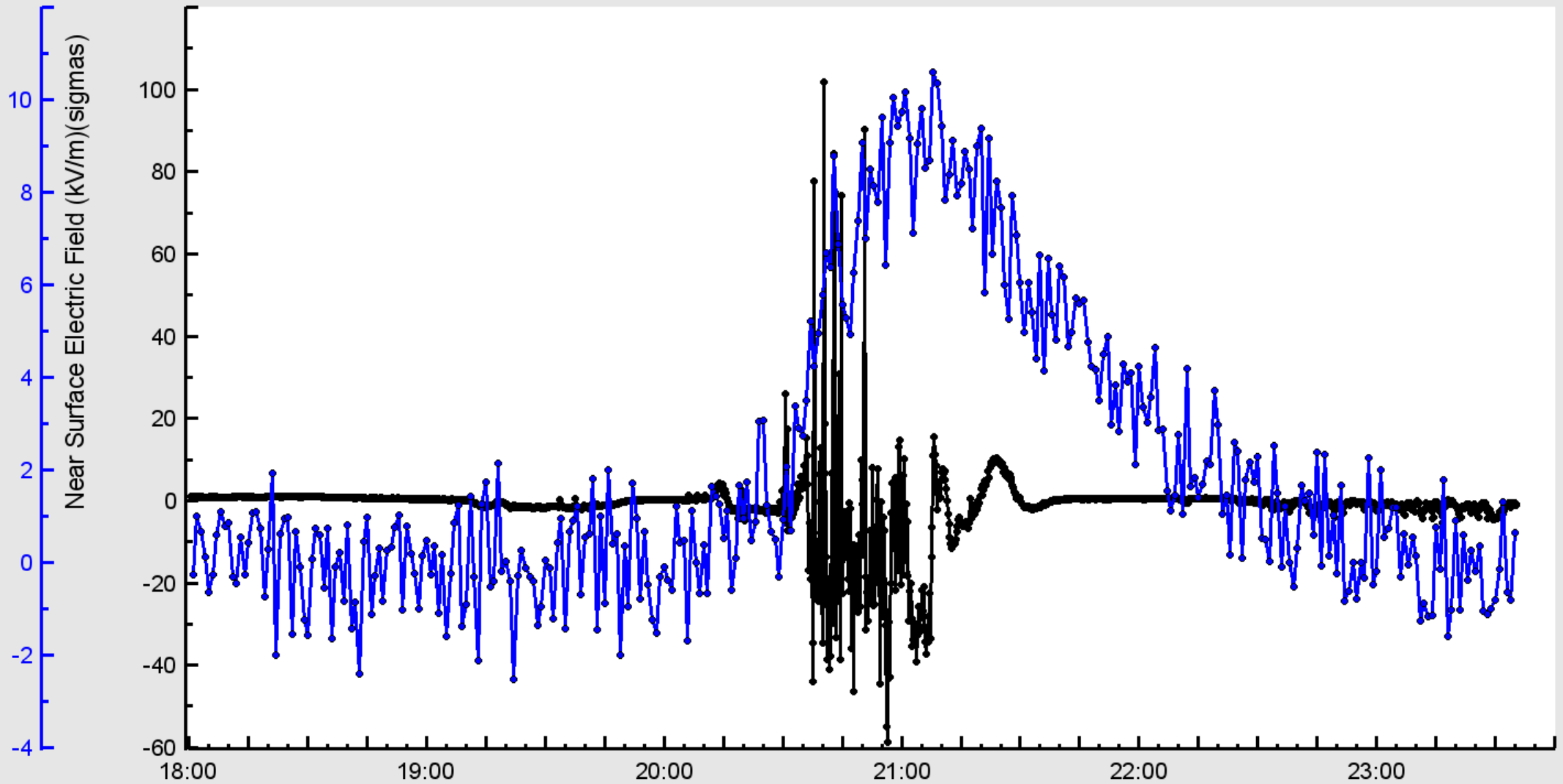


Second Event

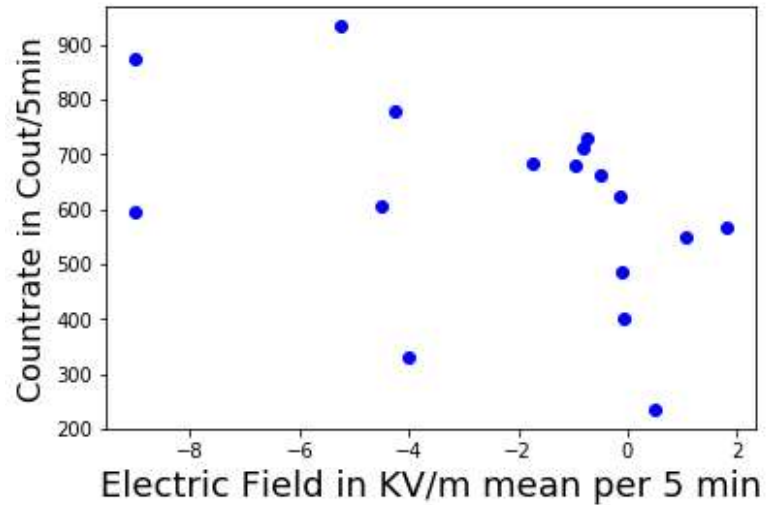
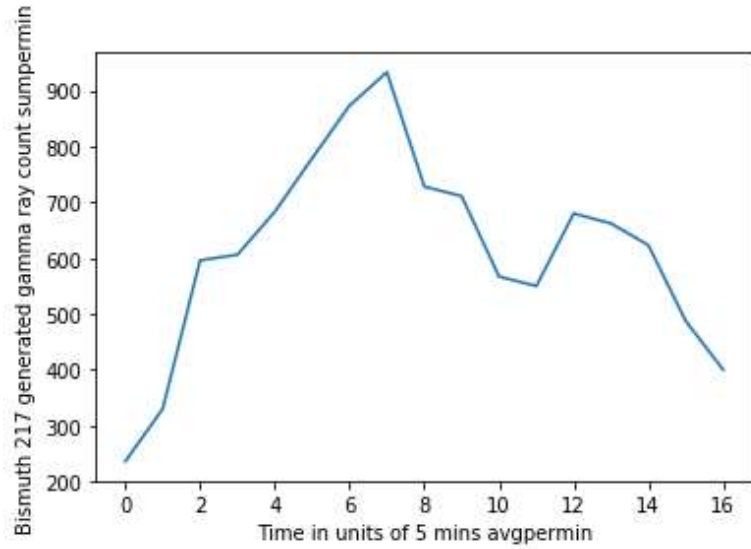
- max= 2733.0
- min= 1587.0
- sigma= 219.86273268676027
- mu= 2178.0857142857144
- R=0.35182705596045294
(time :200→240)



Count Rate(sigmās)

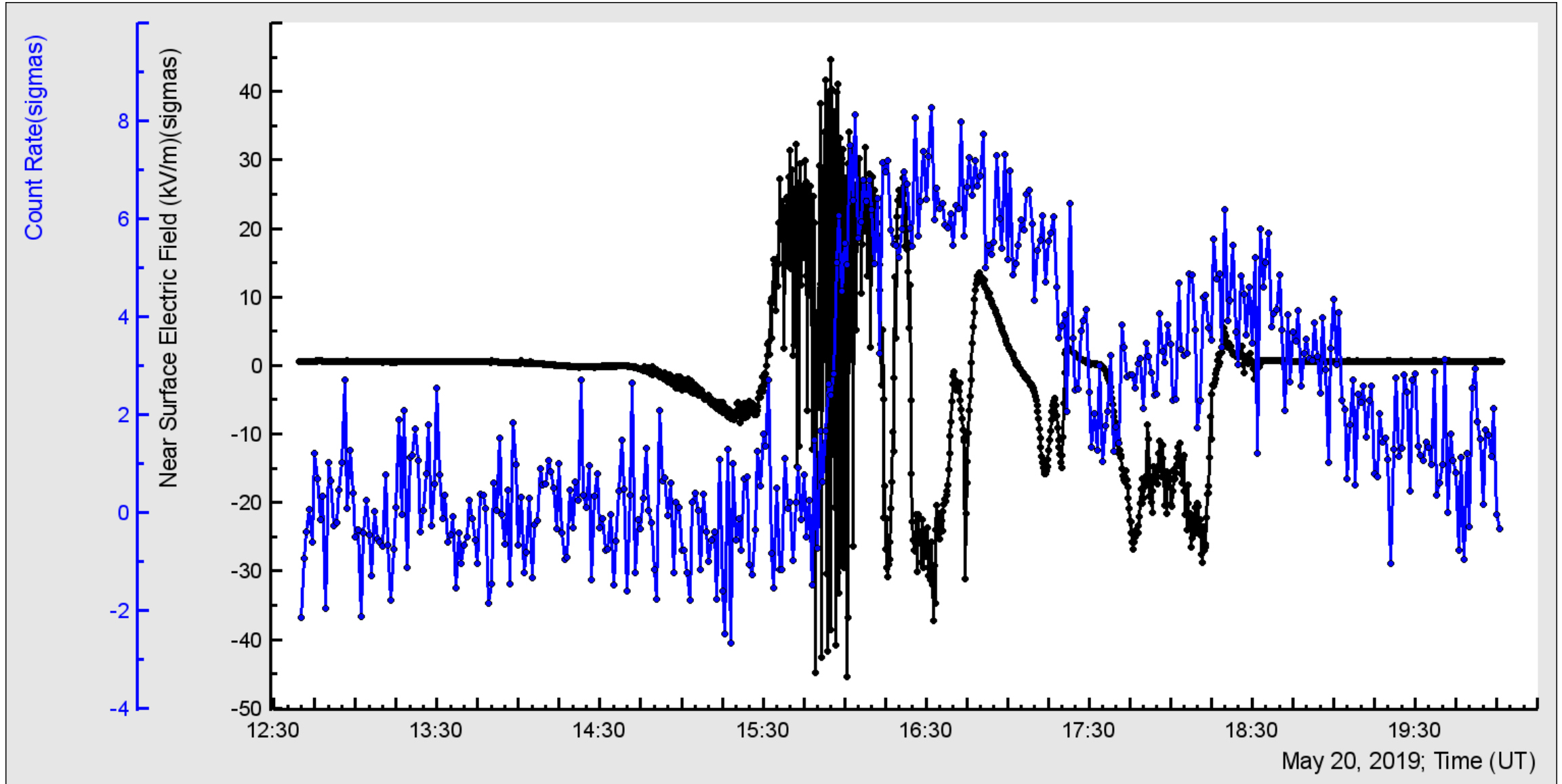


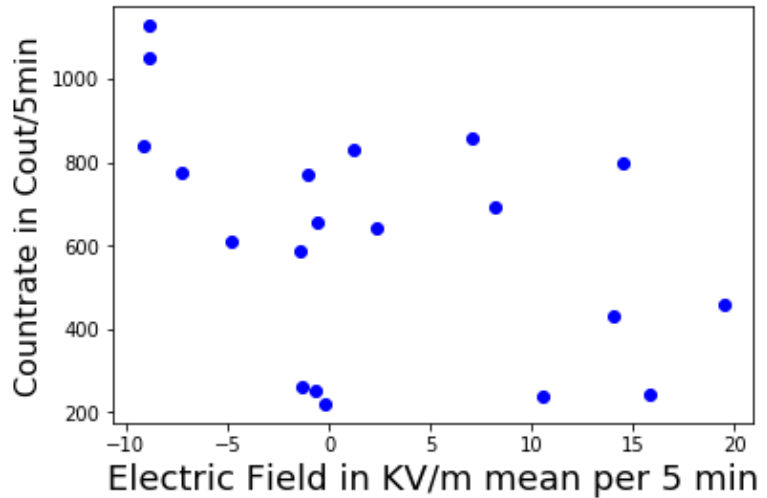
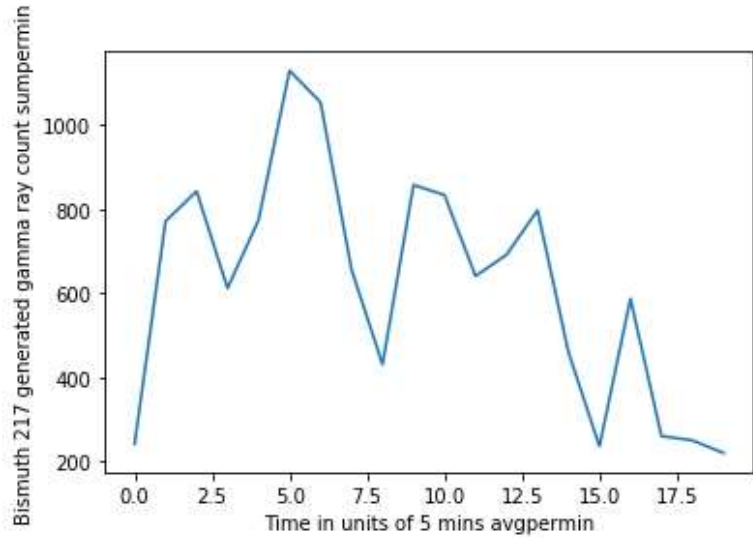
May 12, 2019; Time (UT)



May 12

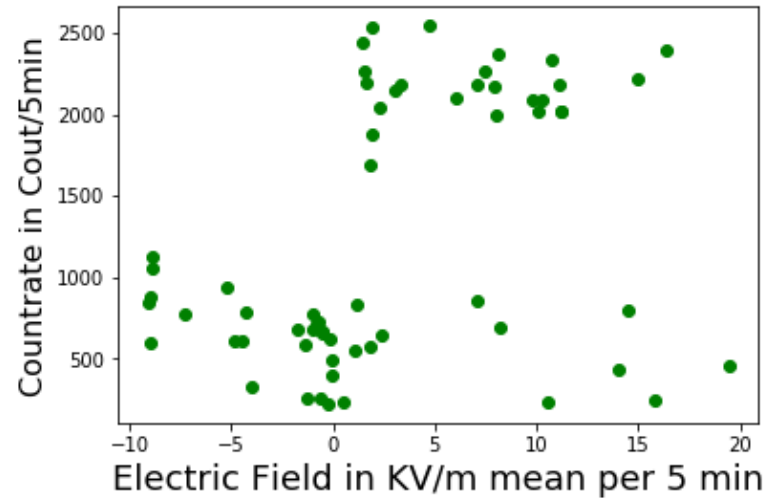
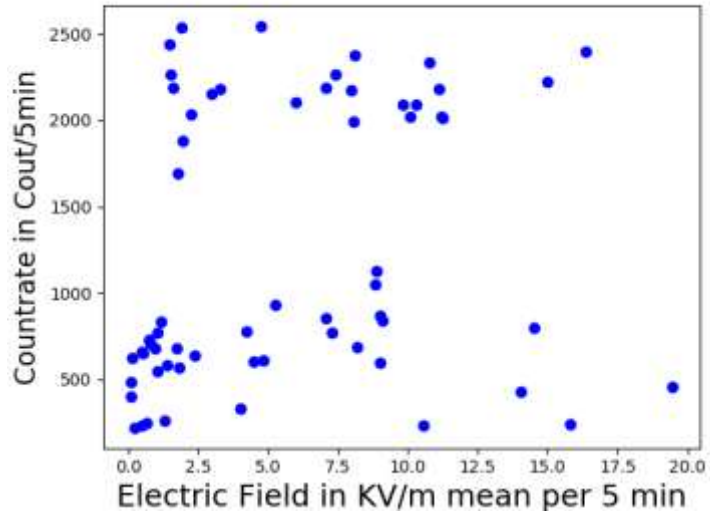
- max= 933
- min= 236
- sigma= 175.25273889828222
- mu= 614.3529411764706
- R=-0.4288916989468448





May 20

- max= 1128
- min= 221
- sigma= 269.85071799052156
- mu= 617.3
- R=-0.4598168827237273



All of my June events with absolute values for electric fields

- $R1=0.21705792851498004$
- $R2=0.3816453508610712$
- $\text{max}= 2545.0$
- $\text{min}= 1691.0$
- $\text{sigma}= 176.44765807929178$
- $\text{mu}= 2167.875$

Conclusions:

- Correlations between count rates generated by Radon-222 progenies give us a certain number, although not high but nonetheless it exists.
- Count rates behave similarly in negative electric fields and positive electric fields, which determines that our particles attach themselves to positive and negative aerosol molecules.