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## **Poisson-FOCuS on SIGMA data**

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The Poisson Functional Online Cumulative Sum (Poisson-FOCuS) method is a method for solving the likelihood ratio test of Poisson( $\lambda$ ) null against Poisson( $\mu\lambda$ ) alternative where  $\mu > 1$ , i.e. searching for an increase in count. This can be thought of as equivalent to testing all possible anomaly start points  $\tau \leq T$  at each timestep  $T$ , giving a computationally efficient way to analyse count anomalies that occur over intervals of time. We run the Poisson-FOCuS method on SIGMA data, with an additional adjustment to remove anomaly tail traces, and report the results.

**Primary author:** WARD, Kes

**Presenter:** WARD, Kes

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