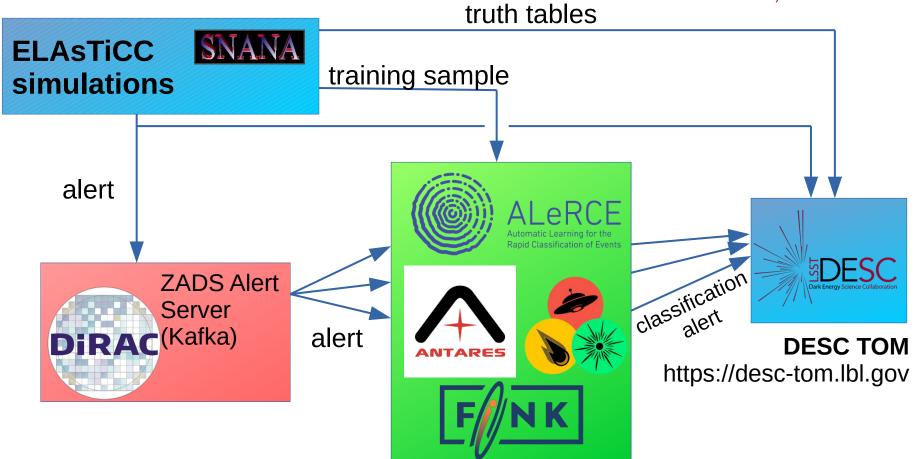
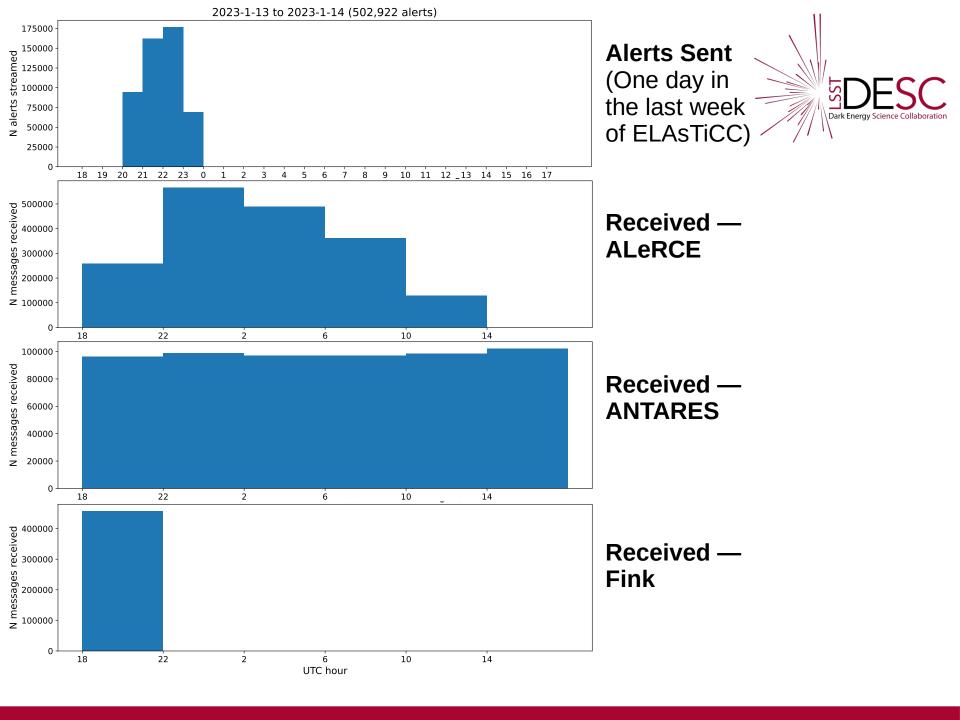
## Lessons Learned Managing Alerts in the ELAsTiCC Challenge

Rob Knop (LBNL) & the ELAsTiCC Team



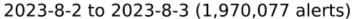


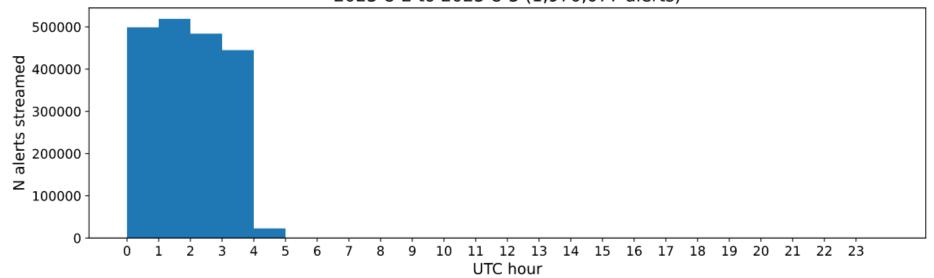






## ELAsTiCC2 Streaming Rate (alerts sent – test stream)





## Challenges



- SNANA FITS → AVRO slow; change to database reconstruction
- Defined alert formats, schemless transmission; the "general alert infrastructure" is usually either too general or too specific
- Receving alerts: ingestion rate vs. maintining structure (indexes, foreign keys) for later analysis
- Brokers send in three different formats: Kafka (ALeRCE, ANTARES, Fink), Google Pub-Sub (PITT-Google), post to API (AMPEL)
- Future worry: getting only the alerts DESC is interested in to manage alert rate from brokers