

# **Automatic dark count assessment software in EPICS**

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## **Description**

- watches scaler record and “shutter closed” signal from remote shutter interface
- when shutter is “closed,” accumulates signal in a ring buffer from scaler channels (using AutoCount mode)
- chronological weighted (linear, most recent data weighted most heavily)
- stops collecting when shutter “not closed”
- user can manually re-initialize

## **Requires**

- EPICS scaler record
- “shutter closed” signal (typically from remote shutter interface or beam line EPS)
- database
- state notation language program

## **Example**

- automatic dark current subtraction for XAFS