Long Time Logging

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Outline

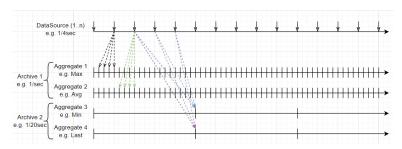
Round Robin Database

Data Aggregation

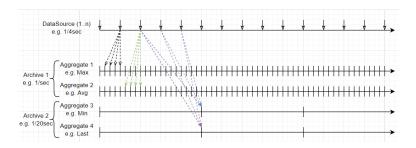
Section 1 sub a

Round Robin Database

- Collects data from multiple data sources
 - each data source defines a specific data sample frequency (rate) e.g. RPM value once per second, temperature once every 5 seconds
- Stores collected data in multiple archives
 - archives are defined at database level
 - each archive defines a data sample frequency (rate) e.g. one value every second, every minute, every hour



Round Robin Database



- mismatch between the data sample frequencies of each data source and of each archive
- resampling needed before storing: aggregation
- each data source defines 0 or more aggregations (from Min, Max, Average, Last)

Round Robin Database

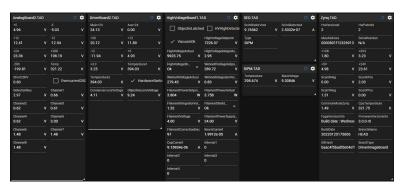
Trivia: the current database is setup with 3 archives containing data samples for

- every second for 72 hours
- every minute for 60 days
- every hour for about 9.75 years (probably a mistake; intended to be 10 years)

Data Aggregation

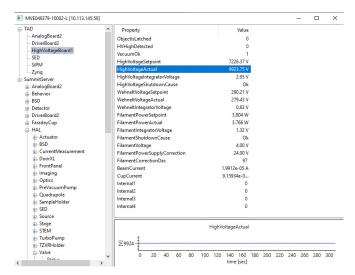
TAD Accessors

Some of the accessors are "tagged" as TAD



TAD Accessors

Accessors "tagged" TAD are also displayed in the Service Tool grouped under TAD



List (itemize)

- ► Point A
- ► Point B
 - part 1
 - part 2
- ► Point C
- ► Point D

List (enumerate)

- 1. Point A
- 2. Point B
 - 2.1 part 1
 - 2.2 part 2
- 3. Point C
- 4. Point D

Columns

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Figure: caution!!