

The Enhanced Capabilities of Pl-DataLink 3.x

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New Features

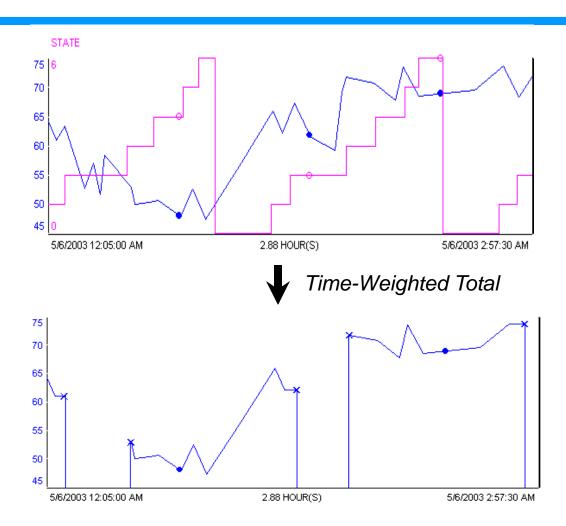
- Advanced Calculation Capabilities
- Boundary Type Field
- PI 3 Point Class Support
- Enhanced Tag Search
- Enhanced Trend Control

Advanced Calculation

- Filtered and Expression Summaries
- Event-Weighted Calculations
- Expression Sampling Specification
- Count Function
- Minimum PctGood

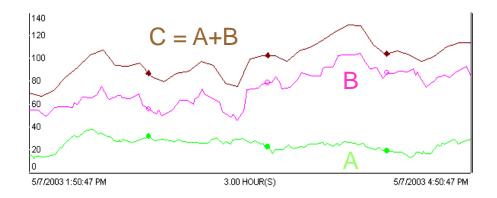
Filtered Summaries

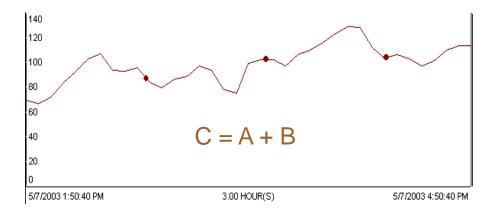
 Summary during time period while filter expression is TRUE



Expression Summaries

- Summary of expressions
 - Simple case: 'flowA'+'flowB'
 - Complex case:
 if 'product'="D"
 then 'flowD' else
 if 'product'="E"
 then 'flowE' else
 'flowF'



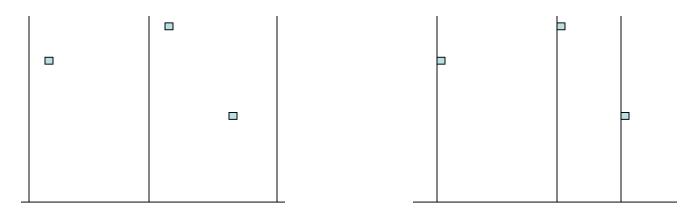


Time- vs. Event- Weighted

- Time-Weighted
 - Values are weighted in proportion to the values' duration during time period
 - More for continuous data
- Event-Weighted
 - Each value carries the same weight
 - More for discrete data

Expression Sampling

- Interpolated Sampling
 - Evaluate expression at evenly spaced intervals
- Natural Sampling
 - Evaluate expression at archived values
 - Optimizes performance for discrete data

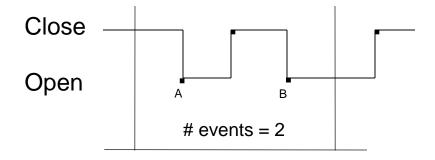


Interpolated Sampling

Natural Sampling

Count Function

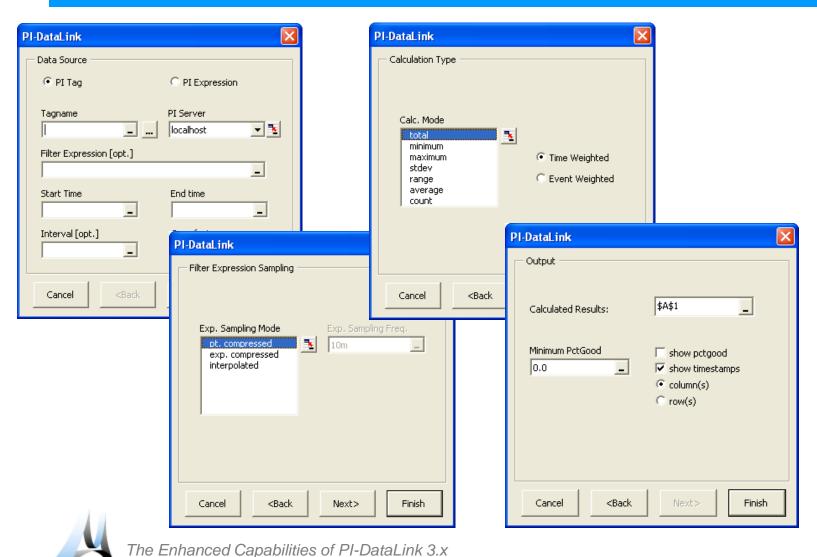
- Time-Weighted returns # of seconds
 - Can be used in conjunction with filter expression to calculate number of seconds in some state
- Event-Weighted returns # of values
 - Can be used in conjunction with filter expression to calculate how many times a discrete tag was in some state (i.e. valve in "Open" position)



Minimum PctGood

- What is PctGood?
 - Percentage of time period that there is good data
 - Should always be checked to make sure reliable
 - Available for display in current release
- What is Minimum PctGood?
 - Ability to specify the smallest percentage of time period at which data is still deemed reliable
 - User no longer has to check pctgood to see if data is reliable

New Advanced Calculated Data



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Boundary Type Field

Compressed Data Functions

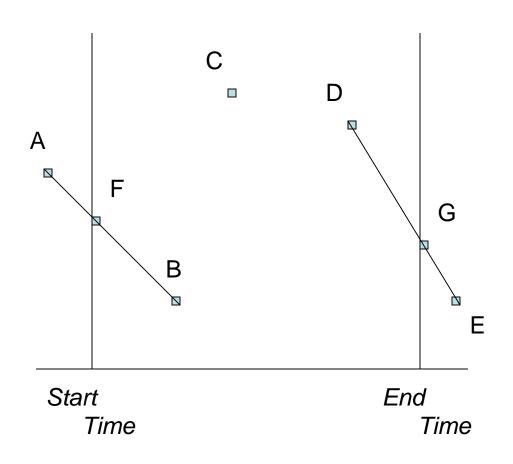
Inside
 (B,C,D)

Outside

(A,B,C,D,E)

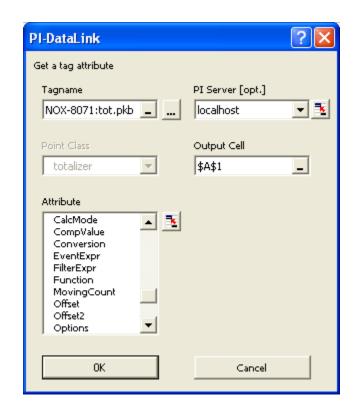
Interpolated

(B,C,D,F,G)



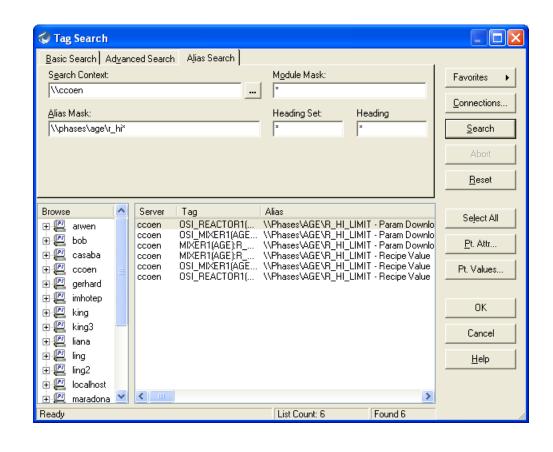
PI 3 Point Class Support

- Tag Attribute Dialog Box
- Ability to retrieve tag attributes from points in point classes other than classic



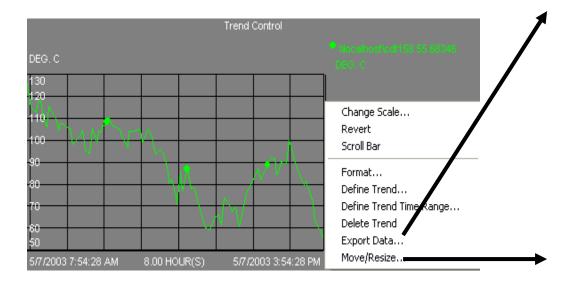
Enhanced Tag Search

- AliasSearches
- Other
 advanced
 search
 criteria
 (i.e.
 snapshot
 value)



Enhanced Trend Control

- Export Data
- Move/Resize







Future Enhancements

- Extended Value Attributes
- Display of Annotation Strings
- Ad-hoc Trends

Questions?



RtPM: Using knowledge of real-time events to take action and improve profits.