Trend Wright

A network trending software solution.

The *TrendWright* trending software was designed to log and trend data on an existing Automax network using a module or "black box" recently designed by QTSI. The software was designed with simplicity in mind. With very little effort, variables can be extracted from an existing Automax PLC and imported without any required additional changes to variables. Thanks to newer hard drives, months to years of raw data can be collected. These data files are non-volatile and are retained during power cycles of the PC.
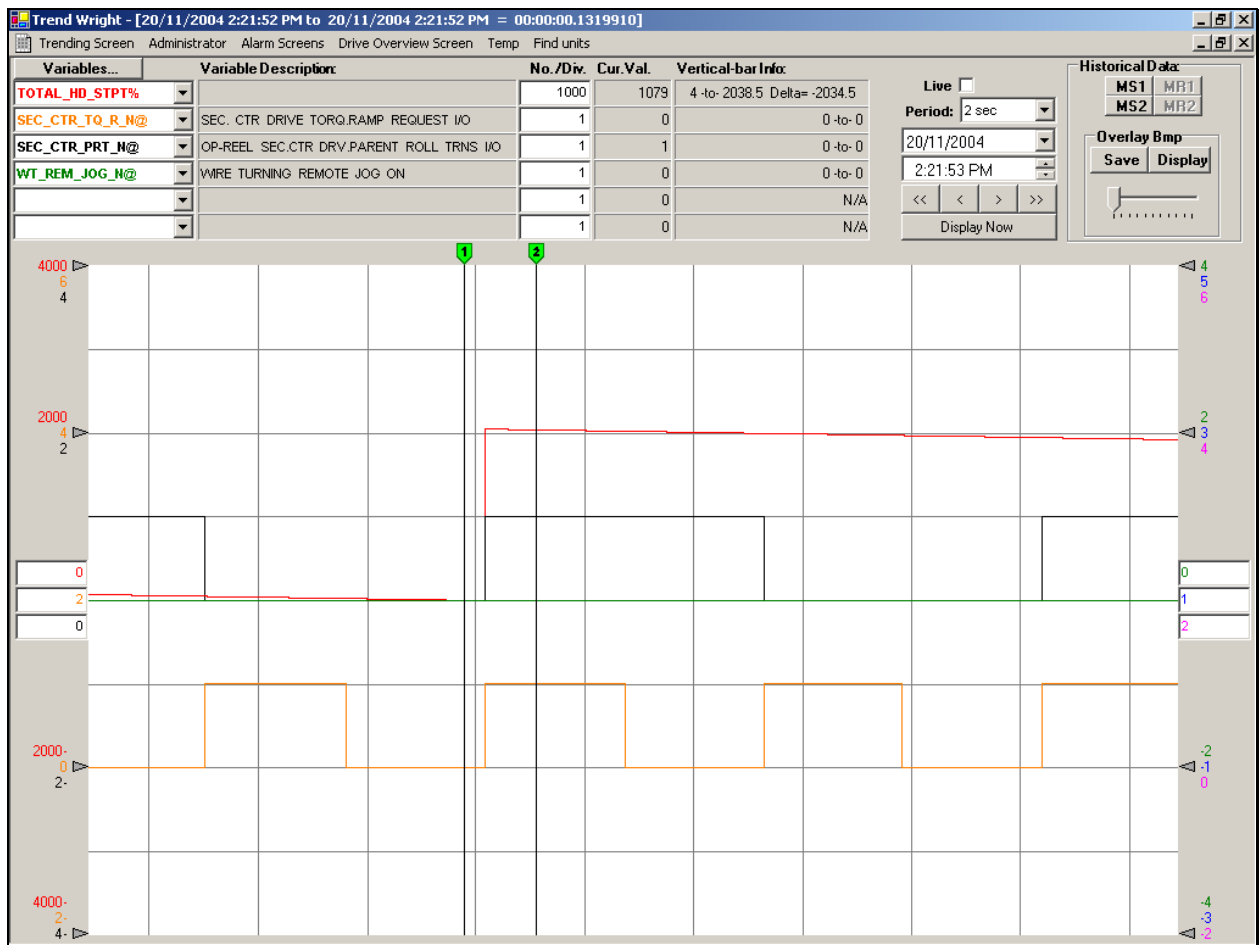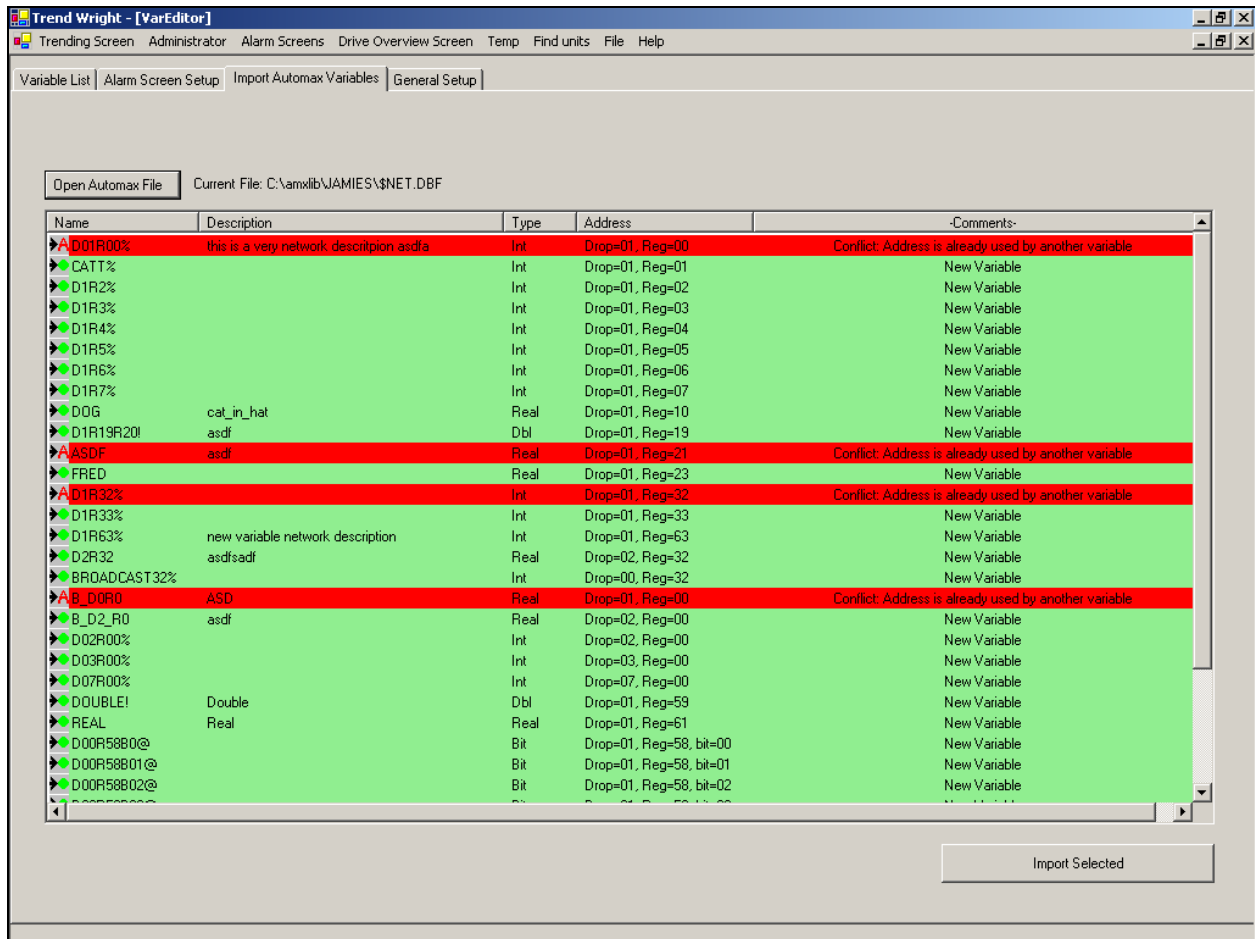
Basic trending setup takes only a matter of minutes to import all of the existing network variables. Filters are available to select subsets if desired.
All pens can be individually scaled and offset to engineering units.
Pen names can be changed to more descriptive names if desired.
If a trend pen is added for a variable that was not previously selected but on the network all the historical data for that pen is immediately available.

Trend Wright - [VarEditor]

Trending Screen   Administrator   Alarm Screens   Drive Overview Screen   Temp   Find units   File   Help

Variable List | Alarm Screen Setup | Import Automax Variables | General Setup |

Open Automax File   Current File: C:\amxlib\JAMIES\$NET.DBF

| Name	Description	Type	Address	-Comments-
D01R00%	this is a very network descritpion asdfa	Int	Drop=01, Reg=00	Conflict: Address is already used by another variable
CATT%		Int	Drop=01, Reg=01	New Variable
D1R2%		Int	Drop=01, Reg=02	New Variable
D1R3%		Int	Drop=01, Reg=03	New Variable
D1R4%		Int	Drop=01, Reg=04	New Variable
D1R5%		Int	Drop=01, Reg=05	New Variable
D1R6%		Int	Drop=01, Reg=06	New Variable
D1R7%		Int	Drop=01, Reg=07	New Variable
DOG	cat_in_hat	Real	Drop=01, Reg=10	New Variable
D1R19R20!	asdf	Dbl	Drop=01, Reg=19	New Variable
ASDF	asdf	Real	Drop=01, Reg=21	Conflict: Address is already used by another variable
FRED		Real	Drop=01, Reg=23	New Variable
D1R32%		Int	Drop=01, Reg=32	Conflict: Address is already used by another variable
D1R33%		Int	Drop=01, Reg=33	New Variable
D1R63%	new variable network description	Int	Drop=01, Reg=63	New Variable
D2R32	asdfsadf	Real	Drop=02, Reg=32	New Variable
BROADCAST32%		Int	Drop=00, Reg=32	New Variable
B_D0R0	ASD	Real	Drop=01, Reg=00	Conflict: Address is already used by another variable
B_D2_R0	asdf	Real	Drop=02, Reg=00	New Variable
D02R00%		Int	Drop=02, Reg=00	New Variable
D03R00%		Int	Drop=03, Reg=00	New Variable
D07R00%		Int	Drop=07, Reg=00	New Variable
DOUBLE!	Double	Dbl	Drop=01, Reg=59	New Variable
REAL	Real	Real	Drop=01, Reg=61	New Variable
D00R58B0@		Bit	Drop=01, Reg=58, bit=00	New Variable
D00R58B01@		Bit	Drop=01, Reg=58, bit=01	New Variable
D00R58B02@		Bit	Drop=01, Reg=58, bit=02	New Variable

Import Selected

A feature of the trending includes the ability to recall a date, time, and time range you wish to see. There is also the ability to do on-graph zooming, and shifting the graph with a right mouse click.
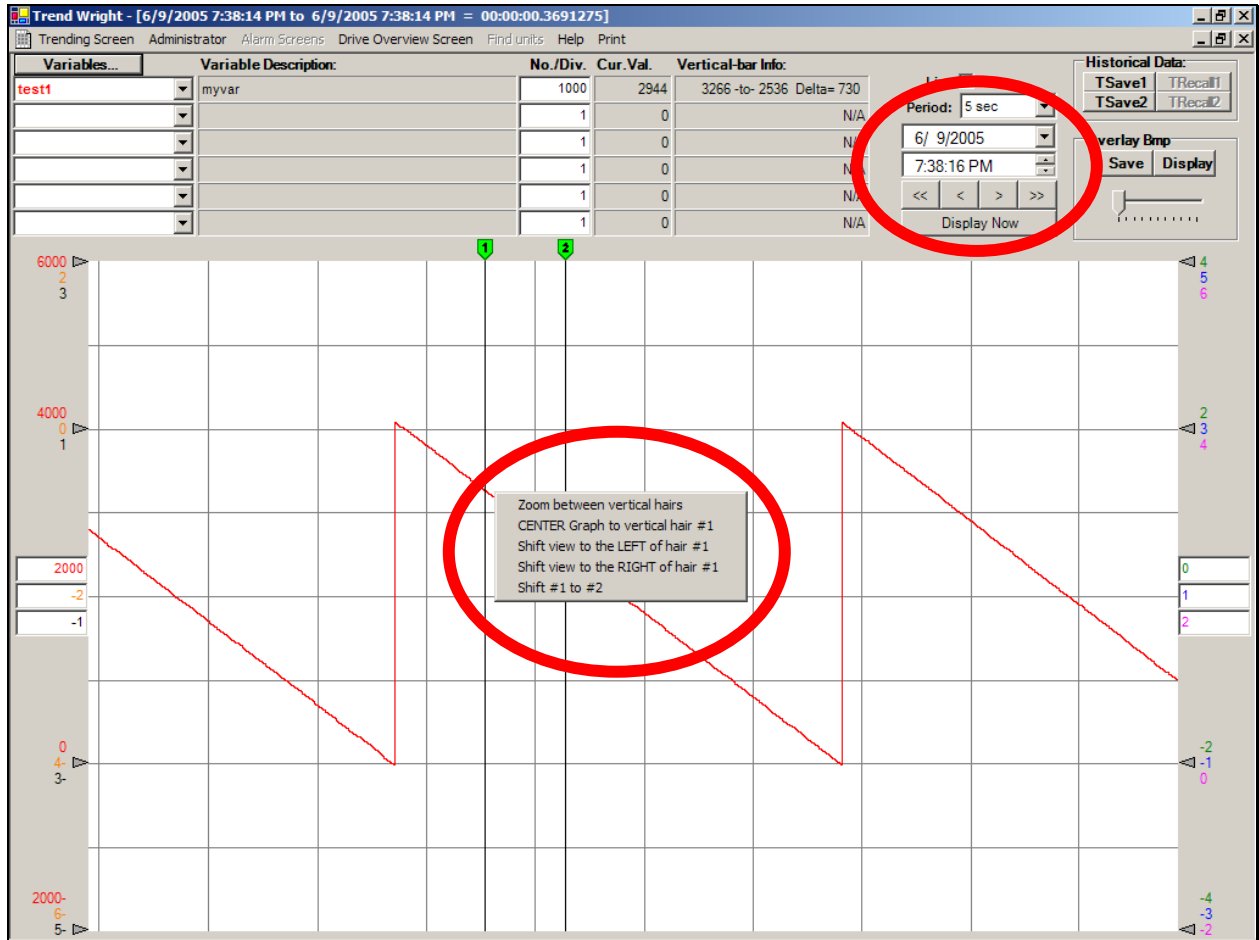
If a particular trend is of interest, you can "bookmark" the time with the plotting pens that were used.

Another feature called "variable sets" allows saving the current set of active pens. Commonly used sets of pens can then be recalled.
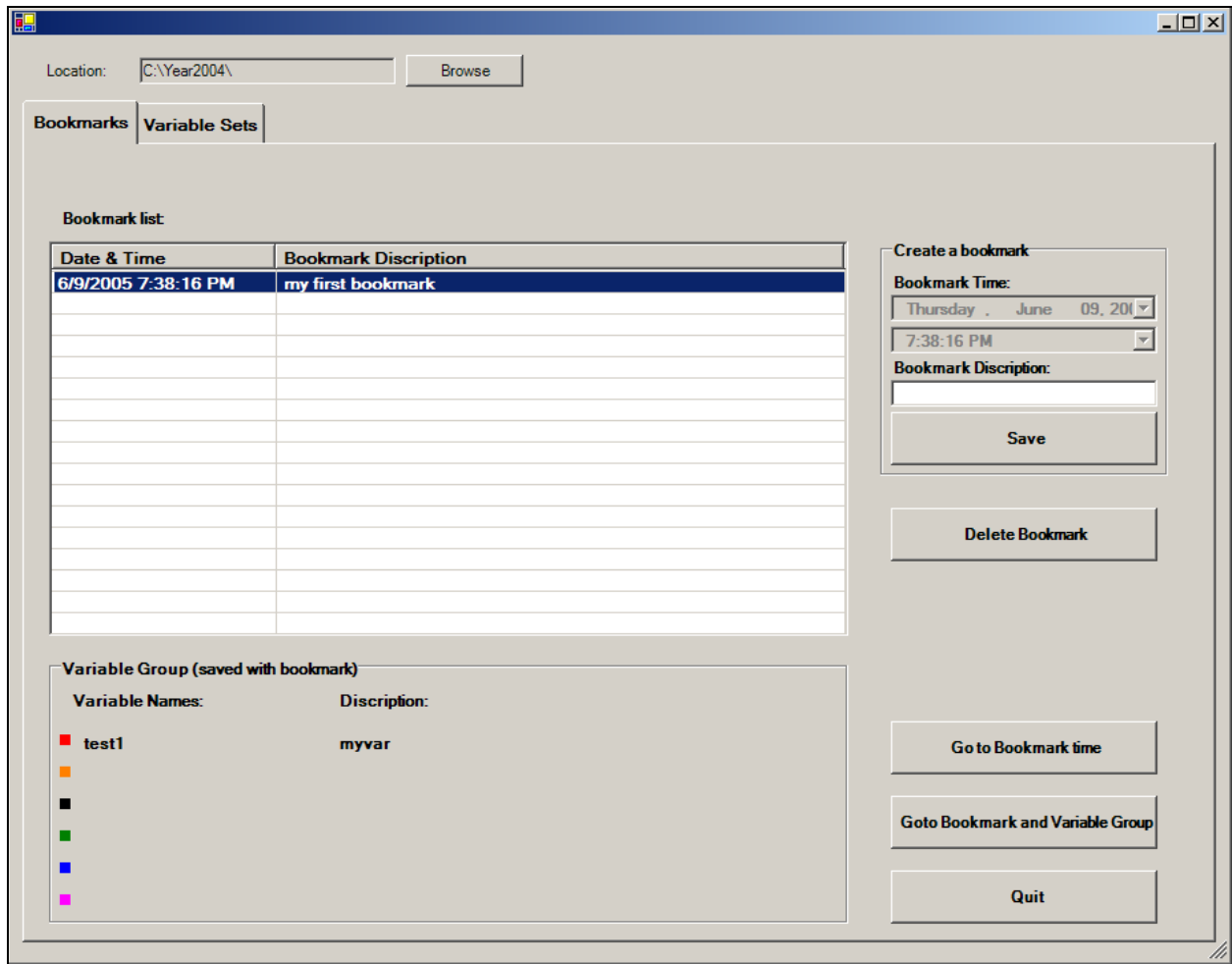
A feature of interest to people who tune drives is the overlay function. This feature takes a snap-shot of a graph that was displayed, and overlays it on a new graph. This allows for easier comparison of drive tuning responses. The opacity of the saved image can be changed to suit the desired visibility.
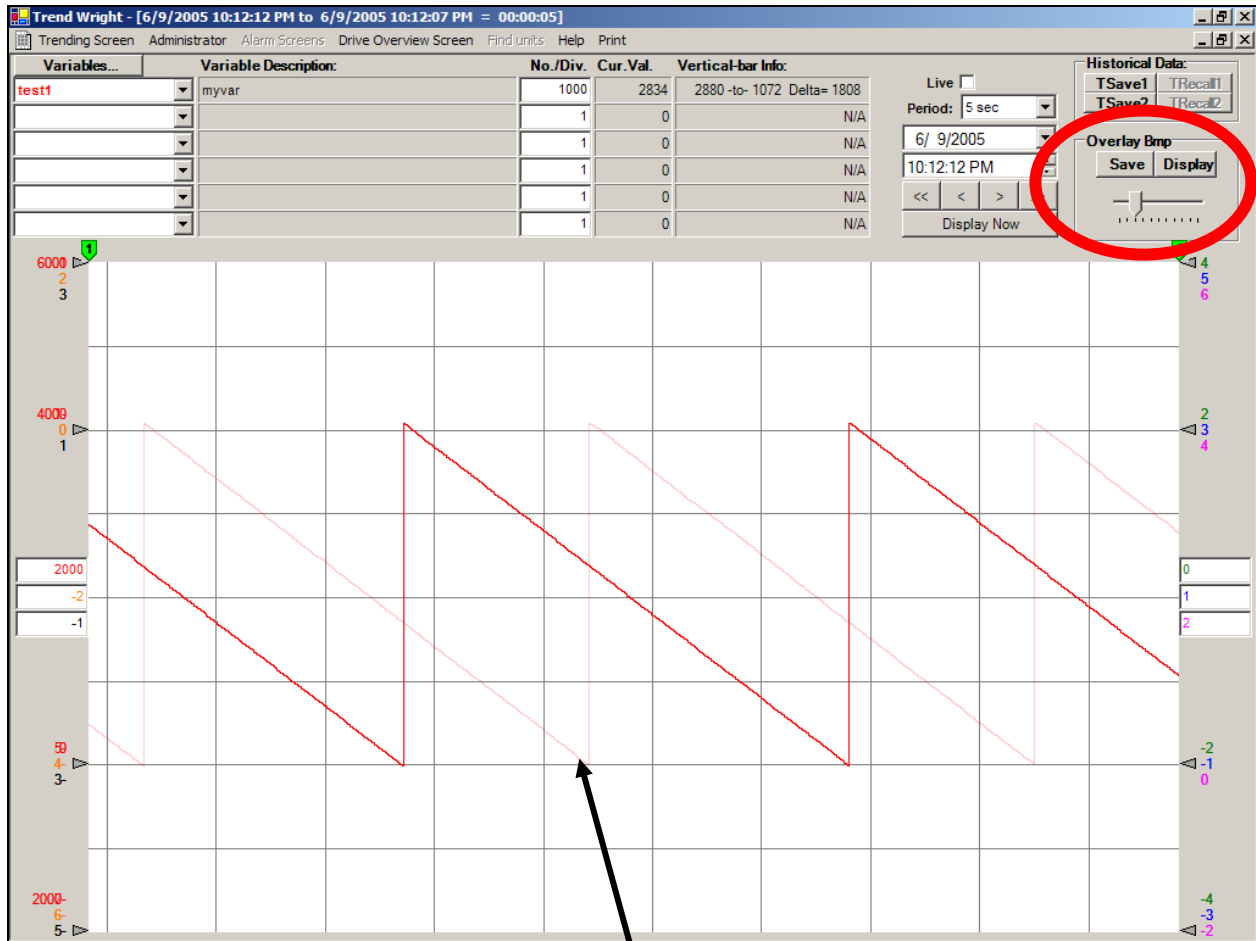
Overlaid image saved from a previously displayed graph.

Four buttons allow taking quick snap shots and displaying them later. This is similar to the memory save/recall function of a pocket calculator.
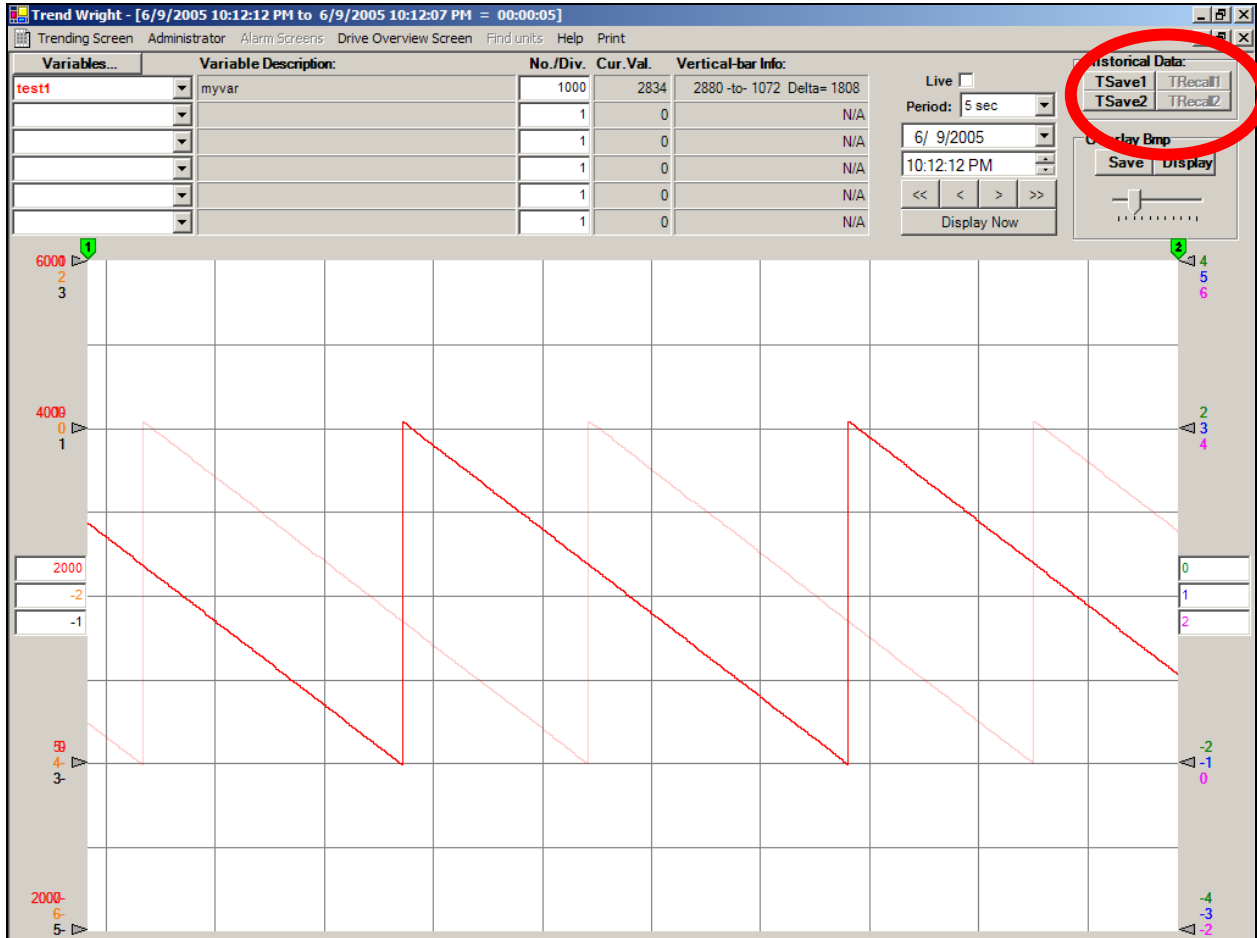
The "print" function prints a simplified chart without irrelevent screen controls shown. Background colors are selected to save ink. (sample below.)