Test Release Changes KFLOP/KMotion Versions 4.33b -> 4.34c 10/23/2016

KMotionCNC Screen Editor

Add Screen Editor Radio Button Type with HotKey Capability

Add Screen Editor Vertical Bar Graph capability VertBar - Var defines float variable 0-1 to set bar height

Enhance Toggle Button Type to properly toggle. For "Var" setting greater than 0 the button Displays and Toggles the Corresponding IO Bit (set to -1 to disable I/O Action)

Fix issue with CRTL-SHIFT-ALT Hotkeys

Add button to clear HotKey entry

Fix Modifying multiple controls style at the same time

New Video on adding an Instantaneous Rate Display
https://youtu.be/w-bKvqXCd0Q

ExtendedLogging Example

Very Flexible and Highly Configurable C# WPF Data collection and Plotting Program contributed by Greg Carter. Makes use of NuGet support Packages for very polished look. Helpful for tuning slower systems over longer time periods or more data/axes channels than KMotion Step Response Screen allows.

Master Source code here:
https://gitlab.com/Greg9504/ExtendedLoggingKflop

Source and executable is included in the Installation so it can run out-of-the box from Start Menu.

Greg's Video demo: (sorry a bit of hum in a few places).
https://youtu.be/BisZrkeGMLM

General

Fix Installer Start Menu bug KMotionXXX

Place FTD2XX.dll in the \KMotion\Release Directory for the case where KFLOP USB drivers are not installed

KFLOP

Protect against Program User FLASH wrap around causing loss of Boot sector (Brick KFLOP)

KMotionCNC/Interpreter

Remove whitespace after comma in embedded GCode Commands of
(CMD, XXXXXX) (BUF, XXXXXX) (USR, XXXXXX)

Fix GCode Edit Window Crash using Find or Find\Replace broken in previous Version when Resource IDs were renumbered.

Support new Screen Editor features listed above

SimpleFormsCS Example

Fix Bug with USB Data Rate Measurement Test

KMotion.Net Console

Fix issue with GCode Interpreter example disposing objects before Interpreter Finished

KFLOP C Program Examples

Added HaltNextLineKMotionCNC.c

Added ShowInstantVelocityDROBar.c

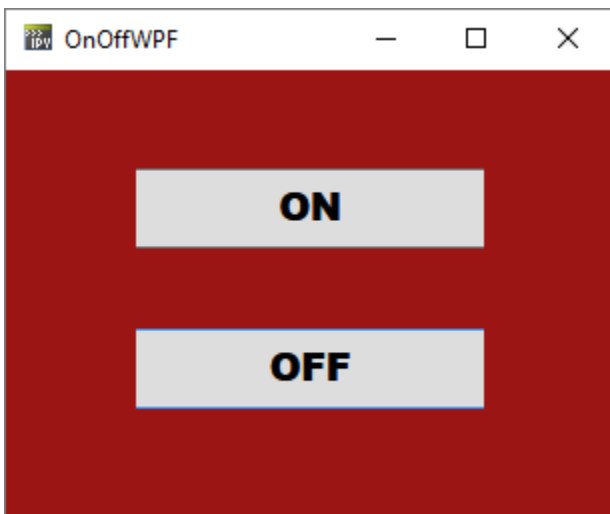KflopToKMotionCNCFunctions.c Added function void WriteVarFloat(int persist_var, float v)

KMotionDLL/KMotionerver

KMotionDLL will now launch KMotionServer.exe from same location KMotionDLL is located

IronPython .net WPF Example

Simple IronPython .net WPF GUI Example to Control KFLOP with only 16 lines of code (+9 .axml)

OnOffWPF.py (Invoke with RunPythonOnOffWPF.bat)

Install IronPython 2.7.6.2 from:
http://ironpython.net/download/

Also install: Python Tools for Visual Studio 2015