

GUI_Revisi on_Hi story_March2012_2. 41. txt

v2. 41

8-Mar-12

Fixed : bug where 'Download and Upgrade' causes exception

Renamed : output MSIs to avoid above bug for downlevel users

Fixed : bug where in European languages the GUI always prompted for upgrade because a comma appears in the version string rather than a period

v2. 40

29-Feb-12

Chameleon:

Fixed : bug where clicking the tuning radio buttons causes a limits exception

Changed : the links for the Laser User Manual to RevAD

v2. 39

13-Jan-12

General :

Fixed : bug where exceptions occur when calling Excel.Interop functions on foreign language operating systems

Added a null check while debugging after an exception was thrown while shutting down
Fixed a small bug in SqlCe.ReadSetting() and StoreSetting(). This code is not actually used by the GUI, but is used by the datalogger.

Added : support for the 'Custom Timing' function for USB power meters

Fixed : problem with disposal of USB power meter object at shutdown

Fixed : exception when graphing EXTP and the value from the Power meter is not a number or infinity

Added the LASER:x command to send x directly to the laser

A minor change to the watchdog code for the CE project

Labeled a few classes as public to allow classes in other DLLs to be derived from them

* Disabled the functionality to read the ports table for View as it is no longer needed

* Disabled the code in CE which shuts down the datalogger if the serial number is blank

Added : property to CurveTableControl for Headings font

Verdi :

Merged : Glasgow Verdi Production Tool branch into trunk.

Fixed : bug in Verdi Production Tool where certain parameters were switched off in the database

Fixed : bug where intermittently the current reading from the Verdi was returning zero during a Production run.

Fixed : problem with the 32-bit Setup projects where the Omnidriver self-registering had been switched on.

Added : code to save all the Verdi Production tool settings to registry

Added : code to set the Verdi output power to 0.1W at the end of the Verdi production run

Chameleon:

Changed : the way the spectrometer control is instantiated and disposed.

Fixed : problem with the Spectrometer control introduced in commit 1791 where the OnConnecti on event was being subscribed before the SpectrometerControl was instantiated.

Added : Record function to ChameleonGUI Tune tab

ChameleonXR:

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Rearranged : The Chameleon and ChameleonXR GUI forms. There was too much duplication between these two forms. Now ChameleonXR is derived from Chameleon

Talisker:

Added : code for new Talisker Max Energy table that supports 'user defined RepRates'
Added : code to allow the user to enter his chosen RepRate into a MaxEnergyRow
Added : user defined entries into simulator.
* Fixed a problem with the Talisker bootloader by making a recent change backwards compatible

v2.37

15-Dec-11

General:

* Tab pages in settings added and removed in a consistent same order
Merged : Branch to develop logging to a plain text file for Glasgow products
Fixed : Defect #105. The problem related to the System.Forms.Timer class not being thread safe. This was replaced with System.Timers.Timer

Harmonics:

Changed : Harmonics interface to bring into line with latest firmware

Chameleon:

Fixed : Problem where the datarun was starting at 680nm and ending on 1060nm even on lasers that weren't capable of outputting those wavelengths

v2.36

21-Oct-11

General:

* Fixed a problem where the timestamp in the details column was displayed in UTC instead of local time
* Power meter port is now closed when "use power meter" option switched off
* Added a feature to allow the power meter to be read from more often than the laser
* Increased number of significant digits read from PowerMax power meters
* Double-clicking the power meter reading now opens a chart of the power

Power Meter GUI:

* Fixed a problem with viewing historical data in the power meter GUI

v2.35

20-Sep-11

General:

* Fixed a thread deadlock which could be caused by disconnecting the RS232 cable
* Made the database upgrade from schema 13 to 14 more robust
* Fixed a problem where duplicate values could be written to log file, particularly for the power meter
Eliminated all compiler warnings
Added an app.config file to the CoherentGui project to force the use of Office 12.0.0.0.
* Added code to prevent data being logged to the database if the clock has not been set
* Added a ?START query to get the time when the application started
* Added a ?UTC query to get the time as an integer regardless of timezone

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- * Changed ReadEpromLocationNames() from foreach to while to avoid an exception
 - * Added code to remove trailing \r\n characters from data read from laser
- Added : code to remove all CRLF characters from data strings retrieved from the database before inserting them into the DataTable.
- * Fixed a problem with times were not converted properly to UTC when filling data tables
- Reinstated : driver files from standalone 32-bit installation. Inadvertently removed while eliminating compiler warnings.
- Made a change in UpgradeFromSchema13To14() to drop old tables with _NEW suffixes before creating new tables
- Made a change in UpgradeFromSchema13To14() to wrap the whole process as a SQL transaction

Talisker:

Fixed : bug where on Windows XP (Japanese) the Talisker EPROM tool has the bottom buttons missing

Reinstated : the MaxEnergy tab on TaliskerGUI by request from production.

v2.34

9-Sep-11

General :

- * Updated telnet server to ignore \0 characters which are sent by some telnet clients
- * Fixed a problem where the logging period was not changed on the datalogger
- * Converted timestamps stored in the database from local time to UTC
- * Fixed a problem where duplicate values could be written to log file, particularly for the power meter

Verdi :

- * Removed service-mode only queries from list to be logged
 - * Fixed a problem where the V18 appeared as a Verdi Uno when in customer mode
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v2.33

18AUG11

- * Fixed a problem when installing the GUI for the first time, before the registry key has been created
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v2.33

18AUG11

- * Fixed a problem when installing the GUI for the first time, before the registry key has been created
-
-

v2.32

16AUG11

Mike Snadden

General :

- * Fixed a problem with upgrading older databases, prior to schema 7

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- * Moved the creation of the USBPowerMeter object to allow forms to be edited
 - * Fixed the login screen so that presses enter logs in and closes the form
 - * Removed the delay before showing the FTP form when downloading a new GUI version
 - * Fixed the fault history so that the timestamp from the database is used, rather than the GUI start time
 - * Changed the description of D1CD from Diode 1 Current to Diode 1 Current Drive, for multiple products
 - * Moved the database from the Program Files folder to the AppData folder to avoid UAC warnings
 - * Chaned the app manifest from requireAdministrator to asInvoker
 - * Added a 5 second timeout for FTP responses
 - * Improved the exporting of graphs to Excel to support multiple series and panes
 - * Made switching between connection modes faster by aborting RS232 connection
 - * When exporting a data table to Excel, graphs are now drawn for each column of data
 - * When exporting graphs to Excel, multiple series, statistics and panes are now supported
 - * Now checks if an RS232 port is being used by another program, and notifies the user
 - * Reduced the flicker of the fault code display
 - * The auto-update feature now supports www.coherent.com/gui
 - * Export functions now detect if Excel is not installed, to close TRAC ticket #3
 - * The text from command prompts can now be copied to the clipboard using Ctrl-C, to close TRAC ticket #38
 - * Other database files can now be opened in offline mode
 - * Offline systems can now also be selected from the log file tab in the settings form
 - * Converted to a ListView to select offline systems in the connection form
- Changed : the way events are generated by the CurveTableControls that tell the parent data has been collected or transmitted
by all the rows
- Added : an event to the simulator which gets raised when the user changes the selected product on the simulator interface.
This allows the GUI to automatically change product when a new selection is made.
- Changed : deployment projects Version numbers
- Changed : the application manifest back to 'requireAdministrator'. There are still files (for Omni Driver) that are deployed to the 'Program Files' folder .. access to which is blocked if running with 'asInvoker'.
- Fixed : bug where an exception was thrown if the Remote display attempted to display a null image.

AVIA:

- * Added additional fault descriptions for codes 43 to 57
- * The fault description box now stretches with the GUI, to allow all the text to be read
- * Removed PosiLock Dither button from customer mode GUI
- * Fixed problem with graph button for rod 1 in MOPA
- * FHG Dither servo now stops until 30 secs after the user stops adjusting the SHG temp is manually
- * The gain, amplitude and auto-start features of the FHG Dither tool are now read-only in customer mode

Power meter GUI

- * Made a change to allow the connection type to be changed when no power meter is connected
- * Added a new EPROM map from MOPA v3.228

Harmonics GUI

- * Enabled the bootloader tool in the Harmonics GUI to close TRAC ticket #42

Chamel eonXR:

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Fixed : bug on ChameleonXR where the Datarun function was timing out waiting for the mirrors to stop dithering. Not implemented on XR.
Added : Added Tune tab to ChameleonXRGui

Chameleon:

Fixed : bug where 'null' reference was generated. Commented out reference to omni drivers as object not created at this point.

Changed : the logic that controls the downloading and installation of the JRE and Omni Driver for

32Bit ChameleonGUI. The app used to completely close if something went wrong with these operations.

Now the GUI continues without Spectrometer functionality.

Re-instated : the registration of the OnConnecti on event into the Form Load handler for ChameleonGUI

Added : new Tune tab to allow user to do a dataRun or a tuning sweep. This is the same feature as in the

Production Tool which is only available in service mode.

Changed : the way Omni Driver is instantiated on 64Bit systems. This is an attempt to avoid the pre-execution

exception being thrown if the Omnidriver is not installed.

Added : code to disable the Chameleon Product tool button if the user is running a Tuning sweep or DataRun

Changed : the flow logic inside the Chameleon EPROM control. This control struggled to handle the situation

where all the EEPROM locations had been trashed.

Changed : the alignment of columns on the Chameleon EPROM tool tables.

Talisker:

Added : Talisker Waveplate commands to simulator

Added : WaveplateRow to Row controls for Talisker EPROM tool

Added : User Stepper Position column to MaxEnergy table in Talisker EPROM Tool

Changed : the parameters reported by the TaliskerEPROMRow control for Talisker EPROM Tool

Added : a new form control for displaying the Talisker EPROM tool

Removed : the old Talisker EPROM table and replaced with a button which opens a new form control

Added : various AutoScroll properties to controls that don't fit on a small resolution display

Fixed : bug where an exception was thrown if the Talisker Production tool was opened but Excel was not installed

on the host PC.

Fixed : bug where Talisker EPROM tool MaxEnergy table was not calculating the wavelength ranges properly under RS232

Added : default file extension to EPROM files

v2.31

23-Jun-11

Mike Snadden

General:

* Converted from ExecuteDataReader to ExecuteResultSet for reading data from the database

* Changed the DataTableControl to display the data only after reading all of it (10x faster)

* Made the code to add event handlers from Form_Load into form constructor for each GUI.

This was done to make sure the event handlers are in place before the database is opened in CoherentGui Form_Load.

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- The old code caused a problem with the AVIA GUI
- * Added more variants of SetParam() to DataLogger to allow number of decimal places to be specified
 - * Fixed an exception in EthernetDiscoveryForm when using IPv6
 - * Adjusted the layout and formatting of the DateTimePickers in ExportForm and ScaleForm to look better on Windows 7
 - * Fixed the auto-update code for 64-bit systems to download the correct msi file
 - * Reinstated the 32bit SQLCE prerequisite into the 64-bit build projects
- AVIA:
- * When adjusted the current, the C command is now sent with 2 decimal places rather than none
- Verdi:
- * When adjusted the power, the P command is now sent with 2 decimal places rather than none
- Chameleon XR:
- * Fixed a problem where the Chameleon XR GUI was opened when connected to a Verdi

v2.30

17-June-2011

Graeme Browne

Fixed : bug where Talisker production tool was displaying Power meter reading out by a factor of 1000

Changed : the VB script for writing Talisker production data to Excel

Removed : the FieldMax2 driver files from the \Windows\System folder in the 32-bit installers

Removed : the registering of the FieldMax2 driver DLLs during build.

Removed : Servo Status and Verdi Current group boxes from ChameleonGUI by request from Marketing

Added : ChameleonXR support to Simulator

Removed : unnecessary FieldMaxII driver files

Fixed : bug where Chameleon EPROM tool was displaying 100% for all percentage values when the host PC was set for a European number format

Fixed : build failure when building 64-bit installer

Reinstating : Chameleon 32Bit standalone installer project (seems to have been removed from the Configuration Manager)

Added : warning message when user clicks the 'Upload' button on the Chameleon Production Tool

Fixed : bug where AviaSimulator returns 'Failed to get mutex' if called by more than one thread. This caused Chameleon Production Tool to throw an exception when the ''Calibrate' tab was pressed in simulator mode.

James Herron

Enabled remote display for chameleon.

Modified EEPROMControl class to increase number of curve points from 10 to 30 when chameleon SW version is greater or equal to 8.45.

Added Precomp Offset to controls

Added New Chameleon XR GUI to support XR model

Mike Snadden

- * Changed schema version from 12 to 13 to add a SQL constraint to the data table
- * Fixed a problem with simultaneous streaming of replies in XML mode
- * Removed the 10ms after each query in SerialComm.cs
- * The CE datalogger now stores the baud rate in the registry
- * The telnet server now restarts if the IP address changes
 - Previously it only restarted if the number of IP interfaces changed
- * Added the INF file for RNDIS connections to the data logger
- * Restored ThermaTrack optimization at the beginning and end of the PosiLock calibration script
- * Added an auto-start feature to the PosiLock diather tool

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- * Added commands to the telnet server to duplicate the COM interface
 - * The script tool now switches off PosiLock before optimizing a servo
 - * Implemented the "Local connections only" feature of the telnet server
 - * The telnet server now supports connections to localhost
 - * Made some improvements to the PosiLock Di ther tool
- Updated PosiLockDi therForm to match v2.07c which was installed at JPSA.
Added the command HIDEINSTEADOFCL OSE
- * Changes the telnet server so that replies are not streamed in parallel
 - * Added code to extract new data from commands and queries sent over TCP/IP
- Added an FHG Di ther tool to the AVIA GUI
Changed the default FHG Di ther amplitude from 0.8 to 0.4 for AVIA
- * Fixed a bug in the ?Hi delnsteadOfCl ose query
 - * Fixed a problem where Windows could not shut down if Hi delnsteadOfCl ose was set to true
 - * If both FhgDi therAutoStart and PosiLockDi therAutoStart are set then only FHG Di ther is actually started
 - * The AVIA THG/FHG servo status is displayed as "Di thering" when FHG Di ther is running
 - * FHG And PosiLock Di ther settings now written to the registry when the forms are closed
 - * Fixed a thread synchronization problem between ?CACHE and the datalogger
 - * ?CACHE will now update the cache if it is called before any data is cached
- Tidied up the way the RS232 port number is set in DataLogger.
Previously the GUI would ignore requested changes to the port number if it was already connected to a laser.
- * Made the FTP form show itself as soon as a manual starts to download
 - * A message box is now shown if the manual cannot be downloaded using FTP
 - * Added a tab to the settings form to adjust DHCP & IP settings of the datalogger
- Added checks to make sure the XML is terminated properly before processing it.
- * Added a TIMEZONE query
 - * Converted String.Contains and float.TryParse to String.IndexOf and MyFloat.TryParse for .NET Compact
 - * Changed TelnetServer so that it restarts after a SocketException, instead of exiting
 - * CompactTable() now deletes existing temp tables before compacting
 - * Added an Ethernet discovery form
 - * Added code to pause the purge thread while data is being read from the database
 - * Some performance improvements to ExportForm and TimeGraphForm
- * Added checks for disposed forms before calling Invoke(), to deal with an exception when the GUI was closing
- * Made The FHG Di ther tool tolerant of the connection to the AVIA being lost while running

v2.26

22-Mar-2011

Graeme Browne

Added : a check in the 32-bit installers that the user isn't attempting to install on a 64-bit OS

Added : a delay in ChameleonGuiForm 64-bit build to allow the 64-bit DriverFiles64.msi to install

before starting the ChameleonGui. This avoids an exception being thrown on the first run of ChameleonGUI.

Adding : a new deployment project for standalone 64-bit installations.

This new installer is targeted at users of 64-bit Operating systems that are not web connected. The

required files for Spectrometer support on Chameleon are bundled into this installer.

Mike Snadden

- * Restored the PosiLock calibration script which was disabled some time ago.
- * Changed the PosiLock calibration script to optimize FHG/THG first and then SHG.
- * Allowed non-integer number of seconds in the delay in the script tool.
- * Converted CommandPrompt to use StringBuilder to improve performance

v2.25

04-Mar-2011

Graeme Browne

- * Added : prerequisites for SQL Compact and SQL Compact (64) to the 64-bit deployment project.
- * Fixed : bug where ChameleonGUI crashes if a second instance of the GUI is opened. ChameleonGUI now checks to see if there is already a CoherentGUI session running. If so, the spectrometer wrapper is not hooked.
- * Fixed : bug where PtarmiganGui indicates an 'Unknown Error' due to the conflict of meaning of the ?F query.
- * Added : new Ptarmigan Icon for PtarmiganGUI
- * Removed : unnecessary Talisker Icons
- * Fixed : bug where clicking the Production Tool button on the ChameleonGui when in 'Offline' mode causes an exception
- * Added : support for non-English regional settings that have foreign number formats. This compliments changes made in commit 1333 to CommsLibrary and allows the simulator to work when regional settings are not English.
- * Fixed : bug introduced when trying to fix 'Unknown Error' problem on Ptarmigan (Commit 1325).
- * Added : new error code for Ptarmigan
- * Added : further tweaks to Ptarmigan messages
- * Re-instated ChameleonSetup build which has inadvertently been removed from the release build
- * Fixed : bug in DateTime format of recorded data in Chameleon Production Tool. TRAC Bug #96
- * Added : code to prevent User doing a firmware upgrade to more than one device at a time on TaliskerGUI

Mike Snadden

- * Protected the connection form against exceptions when a PC has no RS232 ports
- * Changed the databasePeriod to be a number of seconds, rather than a divisor for the main period
- * Added code to unpause the datalogger after a telnet connection is disconnected
- * When connecting over XML the embedded datalogger period is changed to match the GUI
- * When disconnecting over XML the embedded datalogger period is changed back to the default
- * When connected using XML, the database period is now read from the datalogger
- * Some tweaks to the default logging parameters on Windows CE
- * Added a dll to process Zip files
- * Added a forever loop after starting a reboot on the BOOT and USB commands
- * The registry is now written to flash after changing the database period
- * Added registry settings to create a virtual FTP folder for uploading files
- * Added registry settings for the USB VID and PID when in RNDIS mode
- * Added queries for software version and build date
- * Increased the timeout when optimizing a servo from a script from 20 minutes to 60 minutes.
The AVIA can sometimes take this long.
- * Completed the datalogger software upgrade tool.

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- * Made the FTP form stay hidden unless the download takes more than 5 seconds.
- * Changed the FTP form so that KeepAlive is set to false.
This closes the FTP connection once the form closes, as the datalogger only supports 3 FTP sessions.
- * Fixed a problem in the telnet server which occurred when shutting down.
- * Allowed the crystal map data to be edited in the form
- * Added a tool to the AVIA GUI to dither the PosiLock set-point
- * Switch off the prompt when connecting to the simulator.
- * This matches the way the prompt is switched off when connecting to a real laser.
- * Changed the version to v2.25 in preparation for a future release
- * Tested the new AVIA PosiLock dither tool
- * Added the ability to connect via a modem
- * Added a file which contains static definitions for Coherent's VID and PIDs

- * Converted the Silverlight GUI to use the updated XML format used by the main GUI
- * Improvements to the PosiLock Dither tool to make it work in burst mode

v2.24

01-Feb-2011

Graeme Browne

- * Changed : the way the FieldMax2 NET wrapper is referenced. Previously this was causing the build to fail.
- * Fixed : a pathing problem on the 64-bit ChameleonGUI
- * Removed : debug MessageBox during ChameleonGUI 64-bit startup
- * Merged : Talisker Production Tool branch.
This tool allows production operators to plot Power meter readings against Thermatrack stepper position.
The tool also saves the results in an Excel document along with the images collected from a Spiricon camera if one is fitted and the correct software is installed.
- * Fixed : issue with FieldMax2DLLServer.dll not being visible to the FieldMax2DLLServerNET.dll assembly.
- * Fixed : problem with FieldMax2 driver file (ccrpTmr6.dll) missing from \Windows\System32 folder causing runtime exception.
- * Fixed : problem on Windows7 with missing FieldMax2 driver files.
- * Workaround : Problem where the GUI throws an AccessViolationException when the Chameleon Production tool is started and the host PC has ThorLabs Beam Profiler software V2.8 installed. Previous versions of the ThorLabs software seem to work fine. The problem has been reported to ThorLabs
- * Fixed : problem with Chameleon Production tool on systems without MS Office installed not finding Excel11.dll at runtime.
- * Fixed : problem where Chameleon Production tool throws exception if Office 2007 is not installed on host PC
- * Fixed : problem where the Chameleon Production tool button is permanently missing if no laser is initially detected.
- * Fixed : further problems on Chameleon production tool with Office 2007 not installed
- * Fixed : problem in designer with PtarmiganGUI
- * Fixed : bug in PtarmiganGUI .. read only parameter is now not user editable
- * Removed : self-registration of 32-bit DLLs in 64-bit build

Mike Snadden

- * Added support to allow communicating with the CeLogger in XML. Allows the GUI to connect to the laser and then display trend graphs using the historical data from the datalogger.
- * Some minor changes to support repairing databases on Windows CE. Should not affect the desktop GUI.

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- * Added #if to disable a piece of code which is important to Windows CE, but not relevant to the desktop GUI
- * Removed the Windows CE code from DataLoggerCommandPrompt and DataLoggerTelnetServer and moved it into new classes which are derived from the old classes. This keeps the desktop GUI code cleaner.
- * Removed a line of debug code which wrote to the console
- * Changed the database schema to version 12 to record the number of rows deleted from each table.
This allows for compaction of the tables later to save disk space
- * Reinstated the mutex for the simulator after observing crashes due to leaving it out
- * Updated the simulator to add support for AVIA 266-3
- * Added a new event to get the serial number from the user to tidy up the code
- * Added support for "friendly" serial port names

- * Made the purge thread pause work while the database is being copied or downloaded
- * The purge thread now compacts tables as it purges them, to recover disk space
- * Replaced the power meter COM port up/down with a dropdown list of named ports
- * Added support for the Coherent PowerMax USB power meter
- * Made the visual feedback while testing a power meter connection better
- * Added code to pause the datalogger while downloading the database to avoid file corruption
- * Added PowerMeterOnly as a new ConnectionMode
- * Added a new GUI for connecting just to the power meter
- * Minor tweaks for the CE datalogger

- * The datalogger now disconnects from the power meter when closing
- * Added support for updating 64-bit version over FTP

v2.23

08-Dec-2010

Graeme Browne

- * Added: New Deployment for 64-bit. Includes support for Chameleon spectrometer device driver running on 64-bit systems.

NOTE: Developers building for 64-bit deployment need a patch on their systems to add SQL Compact 64 to their

Visual Studio environment. Contact Graeme Browne

(Graeme.Browne@Coherent.com) for the patch.

- * Added : a check for a null string when trimming the reply from ?F. Fixes a problem introduced in commit 1180.

- * Changed : the install path of the Setup64 msi

- * Changed : a bitmap file that was unnecessarily big.

- * Changed: the point where the spectrometer instance is passed to the control. Prevents possible null object exception.

- * Added : Enhancements to simulator for Chameleon GDD curves

- * Changed : the 'Upgrade Code' in the Chameleon Setup project to be the same as for the standard Setup.

This ensures there is only ever one Coherent GUI installation on the user's system. This is a fix to bug #33.

- * Changed : ChameleonGUI Production Tool layout to accommodate users with small screens

- * Added : Ptarget default parameter

- * Reinstating : the ChameleonSetup build which inadvertently has been removed from the Configuration Manager

- * Removed : Unneeded ChameleonGUI Spectrometer files from SVN

- * Reversing a small typo included in last release

Mike Snadden

- * Fixed the button which deletes systems from the log file
 - * Added a button to compact the database
 - * Allowed the log file data thread to be canceled by the user
 - * Added one more decimal place to numbers displayed in the Data Table
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- * Made some changes while debugging the Ethernet connection to the datalogger. These changes were made a while ago and are only being committed now.
 - * Minor changes to support compiling on Windows CE, no functional change.
 - * Updated the DataQuery() function to make it more efficient.
 - * Updated the XML code in the CommandPrompt class.
 - * Added pauseLog to the DataLogger class to allow logging to the database to be paused while downloading a copy of the database file
 - * Removed the TopMost property from the SettingsForm

v2.22

22-Sep-2010

Graeme Browne

- * Changed : the LED Off bitmap used in ChameleonGui production tool
- * Changed : the number of files required for Spectrometer function on ChameleonGUI.
- * Fixed : bug where referencing the Thor Beam profiler .NET assy was throwing an exception in Windows7.
The exception is no longer thrown but the Beam Profiler still does not work in Windows7.
- * Added : Scrollbars to the ChameleonGUI production tool
- * Changed : Simulator for new Lightning commands
- * Removed : The connection count on ChameleonGUI. (By popular demand)
- * Changed : The bitmap controls on Chameleon production tool to button controls to allow the control of Dither and StarterBurst on Lightning.
- * Added : 'HotKeys' for Chameleon production tool. This allows one key hit for Dither and StarterBurst functions.
- * Added : New EEPROM fields for ChameleonGUI to support Lightning variation
- * Changed : minor changes to get rid of some compiler warnings
- * Fixed : Bug 83. Spectrometer Graph scale now re-adjusts when a new laser is detected
- * Fixed : bug in ChameleonGUI where each time user logged into service mode more tabs were added to the Settings Dialog
- * Fixed : bug in Connection dialog where the AccessLevel is never discovered until a good connection is made. This causes a problem for ChameleonGui where the Simulator mode radio button needs to be hidden from non-service users.
However, when a Service user logged on the Simulator radio button was still hidden unless a laser got connected.
- * Fixed : bug in ChameleonGui where new Lightning EEPROM fields were not being displayed.
- * Fixed : if the first element of the Series passed to GraphControl is outside the displayable area the entire series is not displayed.

v2. 21

1-Sep-2010

Graeme Browne

* Added : a check on each point that it does not contain a 'NaN' value. If it does, the point is

removed from the display series. This a voids series being passed to the TimeGraphControl which might cause it to throw exceptions.

* Added : an additional check on each point that it does not contain an Infinite value. If it

does, the point is removed from the display series. This a voids series being passed

to the TimeGraphControl which might cause it to throw exceptions.

* Fixed : Bug where PtarmiganGUI was not compatible with the latest firmware. After Ptarmigan

SW V 4.00 the LLSP command is in units of voltage. The fix checks the seed SW version

and decides how to interpret the LLSP command.

* Fixed : problem where the Chameleon Production Tool is failing to start the gatherer thread.

This results in no data being collected for display.

* Changed : the way the Software Version string is parsed in the EPROM tool on ChameleonGUI

* Changed : the AviaSimulator to report different returns for ?SV depending on Product

Mike Snadden

* Converted the View GUI from using fixed port numbers to using port names

* Added more range checking while setting up-down controls

* Added a PosiLock tool to the AVIA GUI

* Added safety loop functionality to the Talisker View GUI

* Added a simple center of mass calculation to select the optimum PosiLock set-point

v2. 20

4-Aug-10

Mike Snadden

* Added the EPROM map for AVIA software v7.645

* Changed the format for serial numbers in the details tab and the EPROM tool to display all digits

* Corrected a typo in the script tool: FHG -> FHG

v2. 19

27-Jul -2010

Graeme Browne

* Changed: ChameleonGUI to improve the error handling in the Production Tool.

Andrew Gebbie

* Changed the Upgrade check boxes on the TaliskerBootloaderForm to 'Bring to Front' to

prevent them from being hidden on Korean Windows PCs. Tested on a PC running Korean Windows.

Mike Snadden

* Added support for restoring the EPROM of the AVIA 266-3

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- * Enabled the newer EPROM maps for software version 7.xx for the AVIA 266-3
- * Used ?HWEE to read EPROM data directly from the hardware for the AVIAs which support it
- * Added a registry entry called "NoUpdate" to suppress the auto-update feature
- * Corrected the order of parameters used by the Javelin and Paladin GUIs in the ?KTALL query
- * Made the command prompt faster by streaming out RS232 data in parallel with streaming it in.
This was done in response to KT noticing that ?KTALL was slow when talking to a Paladin through the datalogger
- * Added small pieces of code to detect USB to RS232 connections which have been removed from the system, and to protect against starting the GUI with no registry key yet created
- * Added a GUI for Talisker View
- * Added more functionality to the Talisker View GUI
- * Moved some registry settings from BaseGui to DataLogger to make them visible from WindowsCE
- * The period command now stores the new setting in the registry
- * Moved the purge registry settings into DataLogger to share them with other projects
- * Added new commands to control the data purge
- * Added code to force an active telnet session to close when the GUI is closing
- * Fixed a problem which occurred when the server was started before the network cable was plugged in. The new code detects changes to the network and restarts the server when needed.

v2.18
25-May-10
Mike Snadden

- * Enabled the newer EPROM maps for software version 7.xx for the AVIA 266-3
- * Used ?HWEE to read EPROM data directly from the hardware for the AVIAs which support it
- * Added a registry entry called "NoUpdate" to suppress the auto-update feature

V2.17
14th-May-10
Graeme Browne

- * Fixed : Problem with superfluous decimal point in command to change Chameleon EEPROM value
- * Added : a default SQL parameter for TaliskerGUI
- * Changed : Documentation changes for Chameleon
- * Fixed: Issue where Comms hang up after bootloading to Ptarmigan.

Mike Snadden

- * Changing the external library path from file: to http: to move to the SVN web server
- * Attempted to fix a problem with the remote display in Talisker

V2.16

23-Apr-10

Graeme Browne

- * Added : A Production Tool button to the Tools tab in ChameleonGUI. Allows production operators to calibrate laser in production
- * Added : The Main tab added into ChameleonGUI to allow Normal users to manually select COM port
- * Removed : the Service tab from ChameleonGUI. These functions are now in the Production tool
- * Added : In ChameleonGUI the Spectrometer settings now include a boxcar field for smoothing the plot
- * Changed : In ChameleonGUI the dispersion curves are now abstracted into a separate UserControl
- * Added : collectingData flag into DataLogger to allow the database function to be easily disabled
- * Changed : The simulator button is no longer available to ChameleonGUI users logged on as Normal users, unless no connection has been made.
- * Fixed : bug where an exception is thrown at closure of app when no USB Power Meter drivers are present

Mike Snadden

- * Adding code to enable the ?DATA ALL query
- * A change to the Windows CE TIME= command
- * Added different default logging periods for Windows CE
- * Closes the parent form correctly on WindowsCE
- * Some minor changes while working on the CE datalogger
- * Removed obsolete code which was used to support AJAX
- * Extended the ?DATA query to support sending the results as XML to the Silverlight GUI

v2.15

16-Apr-10

Mike Snadden

- * Completed the tool to allow the period for each parameter to be edited by the user
- * Fixed a bug where data is not logged if the only the power meter parameters are selected
- * Changed the way data is exported to Excel so that the handle for Excel is closed after each export
 - Previously the handle was retained and reused, which held Excel open in the background

V2.14

07-Apr-2010

Graeme Browne

- * Fixed : bug where the Talisker EEPROM tab causes a hang if the Harmonics controller is missing or disabled
- * Changed : the way TaliskerGUI displays Harmonics LBO fields if Harmonics is off or disconnected
- * Fixed : bug where Talisker Max Energy file Open function wasn't working
- * Changed : the Talisker EEPROM fields. Older files probably will no longer work.
- * Removed : the Seed Laser tab from TaliskerGUI

V2. 13

09-Feb-2010

Graeme Browne

- * Fixed : bug on Chameleon Control panel where the Unlock Front Panel wasn't working
- * Fixed : graph plotting problems on Chameleon Curves panel
- * Fixed : bug where the Bootloading process was failing to recognise the Interface had restarted after an upgrade.
- * Fixed : Exception thrown when switching from Talisker to any other product.
- * Fixed : the designer issue with the IsVisible property.

V2. 12

21-Jan-2010

Graeme Browne

- * Fixed : Problems with UAC (User Access Control) when installing on Vista and Windows7
- * Changed : The way the Spectrometer data is gathered on Chameleon. Old method caused high CPU Util
- * Changed : The structure of CommsLibrary. The new structure hides unnecessary methods and makes CommsLibrary.dll suitable for distribution to 3rd parties.
- * Added : EEPROM Editor panel on Talisker

V2. 11

16-Dec-2009

Graeme Browne

- * Fixed Problem that appeared with Verdi V10.20. Remote Display button was permanently disabled

V2. 10

11-Dec-2009

Graeme Browne

- * Fixed problems with USB comms
- * Removed OmniDriver32.dll from standard setup
- * Fixed : designer problem .. duplicate declarations
- * Fixed : USB Power Meter overwriting registry setting when settings dialog is created.
- * Fixed: ChameleonGui writing incorrect table headings to Vision Calibration file
- * Fixed : exception that occurs when the host PC has no serial Ports
- * Added : Support for diode TEC current control on Ptarmigan

Ken MacFarlane

- * accept "CHAM>" to cater for Otto/Verdi's with SV >= 10.19R : Talisker Bug #445

v2. 09

Not labeled yet

Mike Snadden

- * Added support for the Coherent LabMax power meter
- * Added a connection timeout to the ActiveX interface, but have not tested it yet

Graeme Browne

- * Added a 64-bit Release Build

v2. 08

6-Oct-09

Mike Snadden

- * Used the ?SSI query to check if an AVIA has the shutter installed
- * All of the trigger details are now hidden in customer mode for AVIA
- * Change the PosiLock calibration button to just send THGCAL=1 instead of optimizing first
- * AVIA GUI now checks to see if PosiLock installed when connecting, rather than when logging

v2. 07

1-Oct-09

Mike Snadden

- * Fixed a problem when upgrading from v1.13 or older (Oct 2008) to v2.06
- * Fixed a problem when starting with the GUI with the simulator on some PCs

v2. 06

23-Sep-09

Mike Snadden

- * Fixed a bug with the MDI interface which was introduced in v2.04
- * Added an IsVisible property to the ActiveX interface

v2. 05

23-Sep-09

Mike Snadden

- * Added the "HideInsteadOfClose" property to the ActiveX interface. When this is set to true the GUI hides the window instead of closing it when the user clicks on the close icon. The GUI keeps running when hidden

Graeme Browne

- * Added support for ThorLabs USB power meters

v2. 04

22-Sep-09

Mike Snadden

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- * Expanded the ActiveX interface to include features to minimize and restore the GUI, and make it float on top
- * Converted database from double-precision floating point to single-precision floating point to reduce size
- * Changed the connection timeout from 30secs to 25secs + period to avoid timeouts when users set the period > 30 secs
- * Fixed a problem which prevented the simulator window from closing when the GUI closed

v2.03

16-Sep-09

Mike Snadden

- * Changed the SQL schema from 8 to 9 to add a column for the width of text-based EPROM locations
This width is used pad EPROM data with spaces to fill the entire location
- * Updated AVIA command set to avoid using deprecated commands: use THGCAL/FHGCAL instead of BSP, THGCO/FHGCO instead of BSO
- * Added confirmation dialog boxes when opening the shutter to satisfy a request from a specific customer
The new forms includes check boxes to say "Don't ask me again"
- * Removed TOMAX and TOMIN from the AVIA triggering tab when in customer mode

v2.02

10-Sep-09

Mike Snadden

- * Added a tab to the AVIA GUI for the new user EPROM fields (Customer request)
- * Added a new EPROM map for AVIA software v7.573
- * Fixed an exeption which was thrown if the laser was disconnected just before starting the bootloader
- * Changed SQL schema from 7 to 8 to add an extra column for read-only eprom locations
- * Added a timer to the TaliskerGuiForm to shut down the top-panel worker thread cleanly before closing the form
- * Switched from using ?EE and EE= to ?EELOC and EELOC= for AVIA
- * Added a tool to import EPROM data from a text file in order to then restore the data onto the laser

v2.01

8-Sep-09

Mike Snadden

- * Added an update tool to download new versions of the GUI
- * Added an EPROM restore tool, but disabled it for this release as it is not yet ready
- * Disabled reading from internet time server in AVIA GUI try to resolve long delays on start-up
- * Removed the ramping and calibration buttons from the AVIA GUI tools tab (They were already disabled anyway)
- * The new data event is now fired after the data is written to the database, rather than before
- * Tidied up the eprom tool to avoid duplicate columns of data
- * Removed some unused variables to prevent compiler warnings

v2. 00
3-Sep-09
Graeme Browne

- * The release Versi on number i ncreased to V2. 00. Thi s overcomes the problem of upgrading from V1. 99 to a lesser number (eg V1. 23). MS Standard Installer now recognises that V2. 00 is a higher level than V1. 99 and un-installs V1. 99 before starting the new installation.
- * Changed the way in which PtarmiganControl handles user input and datalogger refreshes. When data is refreshed the new values are no longer re-transmitted to the laser.
- * Fixed a problem where users were unable to enter the decimal part of the Light Loop Setpoint Voltage.
- * Added the detection of Ptarmigan Configuration. The GUI now only allows write access to LD2 Controls if the Ptarmigan is configured with 2 diodes.
- * The 'Dynamic Light Loop' radio button greyed out for now.
- * Added a check for the 'Iagopus' password at the Settings panel logon if the app is connected directly to a PtarmiganControl.
- * Thread inside PtarmiganControl removed. Now all data is refreshed by Parent based on Datalogger updates.
- * Functionality added to PtarmiganGUI to update its settings panel with fresh data.
- * Ld1 and Ld2 actual temperature and current controls are added to the PtarmiganControl. These controls 'flicker' whenever an update takes place.
- * New parameters added to database for Ptarmigan. These replace parameters that were previously being updated by PtarmiganControl's internal thread.
- * New parameters added to database to monitor the ACCESS level at all times. If switched to Service Mode (either by the GUI dialog or by command prompt) the GUI forms can now switch On/Off parts of the PtarmiganControl to allow write access to service users.
- * The TopPanel refresh period is now increased from 100ms to 500ms. Thi s is designed to improve responsiveness of other GUI controls.
- * The event handlers in HarmonicsControl and PtarmiganControl. Now data is transmitted to machine when the user changes value. Previously the data was transmitted when the user left the control.
- * The datalogger thread shuts down a little faster.
- * The TaliskerBootloaderForm now reads the Verdi version before the head so that the Verdi version is read correctly when no head is connected.
- * Added the automation example to the setup files
- * Updated the version number shown on the Ptarmigan GUI

v1. 23

21-Aug-09

Mike Snadden

- * Added the external power meter position query to Talisker
- * Added the external shutter query to Mamba
- * Made Mamba shutter button work with the external shutter
- * Added code to detect USB connection and disconnection events
- * Added a USB heartbeat to keep the USB connection alive
- * Restricted the choice of RS232 port numbers to those physically present on the PC
- * s-record files are now validated before being sent to the laser
- * Added support for the new extended bootloaders (checksum validation and so on)
- * Added support for bootloading Talisker headboard
- * Increased harmonics stepper limits from 1500 to 3000 to match hardware

v1. 22

Graeme Browne

- * Updated the Chameleon CD setup project

v1. 21

11-Aug-09

Mike Snadden

- * Added a legend to graph windows when more than one data series is plotted
- * If the Telnet server fails to start, the user is now asked if they want to disable it
- * Fixed a problem with reading a bad serial number from the database on start-up
- This caused the GUI to get stuck in a loop of connecting and reconnecting to the laser

Graeme Browne

- * Improved the harmonics control panel responsiveness

v1. 20

4-Aug-09

Mike Snadden

- * Added basic support for Paladin and Javelin.
The RS232 protocol for Paladin is quite different from the DPSS lasers, e.g. it uses semicolons to end command. Supporting this required many small changes
- * Added support for an external RS232 connection which looks like a direct connection to the laser
- * Fixed a bug which prevented the database being upgraded from version 1
- * Hidden the new forms and data structures from the ActiveX interface

Graeme Browne

- * Added USB support for Talisker

v1. 199

23-Jul -09

Graeme Browne

- * Added a stand-alone harmonics GUI

v1.198

21-Jul -09

Mike Snadden

- * Added support for bootloading the seed laser inside a Talisker system
- * Fixed a bug where the GUI warns that it can't upgrade firmware over Ethernet, then crashed anyway
- * Fixed the tab order on the graph scale form
- * The fault history can now be graphed just like the fault status
- * The harmonics GUI now displays temperatures to 2 decimal places
- * The IDL1MAX data is now displayed in the Ptarmigan GUI, along with IDL1MAX
- * The prompt window now ignores not printing characters in the reply from the laser

Graeme Browne

- * Added EXTP and EXTW to Talisker params list to log power meter
- * The GUI can now log the wavelength setting of the power meter
- * The GUI now only prompts for a seed serial number if it is not in offline mode

v1.197

17-Jul -09

Mike Snadden

- * Fixed a bug where the GUI would crash if the buttons were pressed to zoom a graph out very far
- * Fixed a bug where two prompts were displayed in the GUI when connected over Ethernet
- * Added support for the remote display over Ethernet, and long queries like ?STACK
- * Added a shutter button to the remote display
- * Increased the maximum packet size in the Ethernet driver to support the remote display

v1.196

16-Jul -09

Mike Snadden

- * After skipping a run of unchanged data, the datalogger now stores the last of the unchanged data before the new data
- * Fixed a problem where old data was not added to graph windows from the database when the graph settings were changed
- * The status panel at the top of the GUI now matches the Talisker by hiding the harmonics mode when the harmonics is not connected

v1.195

14-Jul -09

Mike Snadden

- * Added ?UPTIMEH and ?BT queries for Talisker

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- * Added a form to add and edit parameters to be logged
- * Added a comment function to the script tool

v1.194

6-Jul -09, Mike Snadden

- * Added a timestamp for the age of the set of parameters logged by the datalogger
- * Fixed a bug with the export tool and data table tool where only the first column of data was used to generate the timestamps
- * Added color to the data table and export tool to indicate fresh pieces of data
- * Added an option when exporting data to choose whether to fill down to copy data into blank cells
- * Fixed a bug in the bootloader tool which made it hang up in the release build
- * Limited replies to simulator to 3 digits to make the displayed data look cleaner, and more like a real laser
- * Added a check for illegal baud rates when reading from the registry
- * Fixed a bug where the GUI would crash once 50,000 points were collected in a graph
- * In addition to fixing the bug, increased the limit to 200,000 points in a graph after recently improving memory usage considerably

v1.193

2-Jul -09, Mike Snadden

- * Fixed a bootloader problem where the bootloader prompt was switched off
- * Allowed the serial port to received multi-line replies, e.g. ?STACK

v1.192

1-Jul -09

- * Added support for Mamba IR and Mamba 532
- * Added a new EPROM map for Otto software 10.19G (Now light-loop offset)
- * Added L, TD and TG to the Talisker GUI
- * Fixed a problem with displaying Otto EPROM maps from the Talisker GUI
- * The parameters displayed in the graph window drop-down are now sorted alphabetically
 - The parameters in the details list will be sorted soon too
- * The y-axis in graph windows can be manually adjusted by dragging a selection box with the cursor or using a form
- * Multiple data series can be added to graph windows
- * Graph windows can now include primary and secondary y-axes
- * Graph windows can now contain multiple sub-graphs
- * Added basic logging to the script tool. A log file is now generated in the same folder as the script file
- * Added more Ptarmigan parameters to be logged (Graeme)* The list of logged data is now sorted alphabetically
- * Made a change to allow a power meter to be logged even if a laser is not connected

v1.191

19-Jun-09

- * Started to log fault history for Talisker
- * Started to log Ptarmigan serial number in both Ptarmigan and Talisker GUIs
- * Added a bootloader tool to the Ptarmigan GUI

v1. 190

18-Jun-09

- * Started logging V2T for Talisker
 - * Fixed a problem with the export tool which was introduced in v1.18
 - * The Talisker bootloader tool now supports the harmonics controller
 - * The Talisker bootloader tool now works correctly for accessing the Verdi
 - * The Ethernet connection is now automatically re-established if the socket is dropped
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v1. 189

16-Jun-09

- * Added Ethernet functionality for Talisker
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v1. 188

10-Jun-09

- * The baudrate is stored in the registry to make reconnecting faster
 - * Added a bootloader tool for the Talisker to upgrade Talisker and Verdi
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v1. 186

9-Jun-09

- * The baud rate is now switched to 115,200 when using the remote display
 - * The remote display makes use of the compressed version of the display query in Verdi 10.19B
 - * Added a firmware upgrade tool
 - * The GUI can now be resized by the user
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v1. 183

25-May-09

- * Added a remote display tool for Otto, Chameleon and Talisker
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v1. 18

7-Apr-09

- * Merged in the changes to the database schema
 - * Schema v7 uses separate tables for each system and each parameter to increase performance
 - * Added a 6-month expiration date to the beta of the AVIA GUI
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v1. 17

7-Apr-09

SVN Revision 337

- * Moved the operators manuals from the setup file onto an FTP server
- * The Chameleon GUI now downloads the JRE from an FTP server

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- * Added code to detect opening database files from newer versions of the GUI

v1.16

5-Feb-09

SVN Revisi on 290

- * Added support for the AVIA 355-5

v1.15

9-Jan-09

SVN Revisi on 268

- * The green power for the AVIA 532-23 is now displayed correctly
- * Added an option to use a specific serial port, rather than searching all ports
- * Changed the way the power meter is used so that it is not disconnected while reconnecting to the laser
- * Added the ?CT query for MOPAs
- * Added a feature to the AVIA simulator to allow the product type to be selected

v1.14

19-Nov-08

SVN Revisi on 244

- * Added a feature to repair damaged databases when they are opened
- * Moved the log file list view in a separate class to allow it to be shared between two places
- * Added the AVIA quick start guide
- * Added support for the AVIA 266-7

v1.13

23-Oct-08

SVN Revisi on 224

- * Added a tool to allow users to reduce the number of parameters to log, so the remaining params are logged faster
- * Added support for the AVIA 532-19 & AVIA 532-15
- * Added FAP heatsink temperatures to Verdi
- * Added an option to write all new data the database, even if it has not changed
- * Allowed graphs to be plotted of the fault status

v1.12

SVN Revisi on 202

2-Oct-08

- * Opening in offline mode is now faster as it retrieves one param at a time
- * The data table has been made much faster by removing SQL joins
- * Exporting from the data table is also much faster due to using StringBuilder
- * The Mi ke sDotNetLib project is now shared within the CoherentGUI using SVN external s
- * Added a folder to store the user manuals in SVN so the setup project can be built stand-alone
- * Fixed some problems with the export tool, and made it share code with the DataTable e

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- * Fixed a problem when using channel B of the LabMaster power meter
 - * The supervisor password can now be changed
 - * Switched to automatic build numbering
 - * Added a LogFile tab to the setting form which allows systems to be deleted, along with all their data
 - * Added a feature to automatically purge old data from the log file. By default, data points which are older than 1 month and spaced more closely than once an hour are deleted
 - * Made the settings form resizable
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v1.11
22-Jul -08

- * Moved some files to the MikeDotNetLib project
 - * Removed trailing .00 strings from serial numbers
 - * Corrected a problem where AVIA 7 and AVIA 14 were swapped
 - * Added support for the AVIA 532-23/19/15
 - * The crystal map is hidden for the MOPA 532
 - * Added Verdi V18 as a new product type
 - * Added a new GUI form for the Verdi
 - * Added EPROM maps for Verdi and Otto
 - * Added a new GUI form for Chameleon
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v1.10
3-Jul -08

- * Added more product types to support AVIA 14 and AVIA X seperatly
 - * Started storing data from EPROM locations, added a tool to view the data
 - * Changed database schema from 2 to 3 to support EPROM data
 - * Changed database schema from 3 to 4 to fix ProductID in table
 - * Added support for Vitesse
 - * Simplified the timing for reading individual parameters to ensure they are read as sets
 - * Changed DataTable to make it more responsive
 - * Added code to support systems which return two linefeeds per reply, like Vitesse
 - * Added some basic code to support Chameleon
 - * Made the prompt text detection case insensitive so that AViA> and AVIA> both work
 - * Added different levels of access protected by passwords to restrict access to EPROM data
 - * Increased max database size from 256MB to 4GB
 - * Added code to support zooming graph windows using the mouse
 - * Converted the graphs from number of minutes to real time
 - * Added buttons to graph and data table forms to show older or newer data
 - * Added an export tool to the data table
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v1.09
23-Apr-08

- * Changed the maximum number of datapoints in graphs from 10,000 to 50,000 to support 24 hour dataruns
 - * Made a change to support the latest MOPA products
 - * Made a change to support ThermEQ+ as a pulse control mode
 - * Fixed a bug which when the statistics window is opened when there are no datapoints in the graph
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GUI_Revis ion_Hi story_March2012_2.41.txt

v1.08

20-Mar-08

- * Significantly decreased frequency with which ?HSV query sent to laser
- * Added serial number, and start/stop times to statistics in graph form

v1.07

14-Mar-08

- * Temporarily removed the ramping form due to conflicts with LabView
- * Added a feature to detect and tolerate AVIAs which require two linefeeds to terminate each command
- * Graph windows are now drawn in a separate thread to improve responsiveness
- * Graphs are now redrawn correctly when windows are resized
- * Changed the database scheme to version 2 to add a table of strings to reduce database size
- * Changed the default logging period for ?F from 3 to 1 following customer request
- * Added a tool to export bitmaps and data from graph windows
- * Added code to detect a read-only database and respond with an error message
- * Fixed a bug with the time format when exporting to a text file
- * Fixed a bug with displaying numbers on the graphs in scientific form
- * Added a feature to display cursors on the graph and data forms by clicking on them
- * Added a feature to read-out the cursor position as the mouse moves over a graph
- * Accelerated the data table tool by allowing new data rows to be added while the database is being queried
- * Started logging ?FH (Fault History) as well as ?F to give info on transient faults
- * Started logging optimization and timing parameters for AVIA 355 family
- * Added a statistics sidebar to the graph form
- * Made the serial number form respond to pressing the enter key

v1.06

8-Feb-08

- * Added a tool to measure ramping behaviour using an oscilloscope
- * Made the details tab display all the parameters when OnNewData is called the first time.
Previously, the external power meter was not displayed if the power meter was not connected
- * Changed the export form to export a text file rather than export directly to Excel
- * Changed from using ?UP to ?GP for the green MOPA
- * Fixed a bug which caused a crash if the simulator window was closed, then the connection changed to RS232 before reconnecting to the simulator
- * Added code to respond to the cancel button in the graph scale form
- * Fixed a bug with reading the power meter channel from the registry
- * Stopped displaying invalid data in the GUI to prevent exceptions
- * Started logging several missing parameters for the 532 MOPA
- * Moved the registry settings into the local user hive to avoid requiring admin rights

v1.05

15-Jan-08

- * Now store ID of last connected laser to use as default for offline connection
- * Remembers if shut down in simulator or offline mode and re-opens in that mode
- * Added a registry for a path to a bitmap to use as the logo on the about tab
- * Added controls for the pulse energy control feature, also log those parameters in

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the database

- * Fixed a bug that caused an exception when reading the crystal site for the first time
- * Stopped the GUI displaying old data just after the user changed a parameter
- * Fixed the problem with the up/down controls when the scroll bar is held down

v1.04

11-Jan-08

- * Connection status when working offline is now clearer
- * The connection form now won't enter offline mode if a serial number is not selected
- * The power meter is now disabled in offline mode

v1.03

10-Jan-08

- * Added support for FieldMaster power meters as well as LabMasters
- * Allowed the current to be set in increments of 0.1% instead of 1%
- * Added option to allow offline mode to view data from a specific system
- * The data table now uses a second thread to read and display the data
- * Reduced the size of the data point labels used in the graph windows
- * A notification is displayed if the power meter cannot be connected when the GUI starts
- * The new current setting now sticks when it is changed through the GUI
- * The (x,y) position is now logged from the external power meter as well as the power reading
- * Increased datalogger speed by reducing delay between queries from 100ms to 10ms
- * The background thread for the DataTable now shuts down when the connection to the laser is closed
- * Added 1 or 2 decimal places to the vertical graph axis when the range of values is small
- * Added a form which is displayed while the database is being upgraded

v1.02

9-Nov-07

- * Added an option to use an MDI interface, or a floating window
- * Limited queries to 10 per second to avoid overwhelming the laser
- * Added a feature to log data from an external power meter
- * The crystal map data is now read by a separate thread to improve speed on start-up
- * The front panel locked button now stays pressed in when the front panel is locked, to make it more visible
- * Changed the hyperlinks in the about tab to buttons
- * Added a button to open the pdf manual for whichever laser is connected
- * The graph scale changes from seconds, to minutes, hours or days depending on how much data is displayed

v1.01

18-Oct-07

- * Distributed internally within Coherent for beta testing
- * Includes a Telnet Server for remote access

v1.00

15-Oct-07

* Ini ti al release di stri buted for beta testing