V2.1.0

Release to support the introduction of the StarFish452F and StarFish990F systems, with additional hardware devices, revised 'configuration wizard', update help files and several minor bug fixes.

V2.0.6

Included driver support for Windows 7.

V2.0.5

ISSUE SI200904151 Bug fix with V1 log file importer, where an error would occur if a GPS device had not installed correctly when the log file was created.

V2.0.4

ISSUE SI200904071 Bug fix with decoding of NMEA WGS-84 latitude coordinates in the southern hemisphere, leading to the coordinate being reported in the northern hemisphere.

V2.0.3

ISSUE SI200903241 Bug fix with internal algorithm that occurred when UTM coordinates in the southern hemisphere are used, leading to the coordinate being reported in the northern hemisphere.

V2.0.2

ISSUE SI200903011 Bug fix with internal algorithm that occurred when converting stored LogFile UTM coordinates back to latitude/longitude values, and would display incorrect values.
ISSUE SI200903021 Bug fix that would allow plotter display to be made visible without any content.
ISSUE SI200903022 Bug fix that prevented Scanline opening a file when specified as a command line argument.
ISSUE SI200903023 Bug fix on the LogPlayer widget that cause "N/A" to be displayed as a speed when LogFiles were opened.
ISSUE SI200903051 Resolved issue of "black.dll" file being locked if a Scanline application error occurs. Ability for application to self restart has been removed, so file system handle is released by underlying CLR.

V2.0.1

Significant rewrite to add a variety of new features requested by users...

- Configuration Wizard to help quickly configure Scanlines environment, hardware and display settings.
- New log file format introduced to allow the storage of sensor and environmental parameters, such as Velocity of Sound value, and future features to be implemented in Scanline.
    - LogFiles created using Scanline V1.1 will be converted to the new format when they are opened.
- The user interface has undergone significant redesign to implement the following features...
    - Utilises the Microsoft Office style ribbon interface.
    - Large style buttons allowing easier use on touch-screen interfaces.
    - Side-panels supporting user selectable "widgets" that can provide additional sensor information, hardware details and other data interfaces.
- The hardware management system has had significant work to...
    - Implement a totally new automatic connection system, improving the way external USB and serial (NMEA) devices are detected and connected to.
    - Improved firmware upgrade wizard.
    - GPS 'GSA' and 'GSV' NMEA messages are decoded to give a constellation view of satellites and signal strengths. 'GGA' messages are also decoded from the GPS device.
    - NMEA string decoding controls are improved in all NMEA based hardware devices.
- Additional of a 'Depth plotter' to show depth below the sonar or from a NMEA echo-sounder attached to the system.
- Addition of a 'Hardware manager' widget to allow quick management of which devices are connected or in an error condition, and to access their settings.

STARFISH SEABED IMAGING SYSTEMS

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V2.0.1 Continued...

- Addition of a 'Data manager' widget to help quickly select which types are data are to be used from the attached sensors.
- Addition of a 'GPS Constellation Viewer' to show the current satellites in use, signal strengths, and details of the current fix being taken.
- Improved interface to select types of measurement units.
- Support of UTM coordinates.
- Redesign of data plotters, allowing them to interact with GPS positional and depth information beneath the cursor position.
- ISSUE SI200807071 New log file format is designed to reduce usage of system resources and prevent errors that occur during log recording after 15-20 minutes of data capture at short ranges.
- ISSUE SI200803101 Data Console added to show raw NMEA data from external devices such as GPS modules, compasses etc.
- ISSUE SI200902231 Application and installer modified to be compatible with 64-bit versions of Windows XP and Vista.

V2.0.0
Alpha release of Scanline V2.

V1.1.3
ISSUE SI200806251 Bug fix with USB configuration interface occasionally rebooting sonar hardware.
ISSUE SI200805061 Replaced MDAC2.8SP1 components with MDAC2.8 to allow compatibility with Windows XP SP0 release.

V1.1.2
ISSUE SI200804031 Corrected the data logging to consistently use local computer time for different message types. This corrects the problem where GPS position data may have appeared grouped together and offset (by the difference between local time and the GPS clock) in one segment of the log file and separate to the sonar, velocity and heading data.
ISSUE SI200804181 XTF support added for the following tags; "ShipXcoordinate", "ShipYcoordinate", "ShipSpeed" & "ShipGyro". At present no lay-back feature exists, so ShipXcoordinate and ShipYcoordinate tags contain the same values as SensorXcoordinate and SensorYcoordinate.
ISSUE SI200804182 Bug corrected that caused the software to crash when the "Snapshot all Plotters" option was checked.
ISSUE SI200804281 Bug fix in the "Velocity of Sound" wizard, that stopped the depth value being correctly used in the VOS calculation, and ignored the 'units' settings for the depth.
ISSUE SI200804291 Corrected the problem with the "Snapshot" menu and toolbar item being disabled depending on which MDI child windows are open.

V1.1.1
ISSUE SI200802131 Corrected errors in the online help documentation, added Hardware Device functional descriptions, NMEA strings supported, and CSV export format.
ISSUE SI200802151 Fix for application locale settings that caused an error when settings were stored in a non-UK format.

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