

# HydroTel™

## Incremental Release Notes

NOTE: iBETS refers to the Bug/Enhancement Tracking System available at <http://data.hyquestsolutions.co.nz/iBETS>. Case details can be viewed, comments added and new cases raised by registered iBETS users. If you would like to become a registered iBETS user please email [support@hyquestsolutions.co.nz](mailto:support@hyquestsolutions.co.nz)

### Important Note: Upgrading from HydroTel™ Version 5

If you are upgrading from a HydroTel™ version prior to the most recent previous release, you must incrementally upgrade the database with each of the skipped versions. This can be done by either sequentially running the upgrade installers on the HydroTel™ server machine or else executing each version's upgrade SQL script. The HydroTel™ release upgrade script requires a database that is compliant with the immediately previous version.

Version 6 includes significant changes to user password authentication. After the database has been upgraded, a password conversion/re-encryption utility must be run before any user can log-in.

Please contact HyQuest Solutions to undertake the major upgrade from Version 5 to Version 6. This is also a good opportunity for a general system check and maintenance. The Daylight Savings table will also be checked updated for the next five years based on local time zone data.

Subsequent minor versions of Version can be easily applied as they are released in the future.

## Version 6 - General Comments

This major release includes several new features and bug fixes since the V5.2019.1 release. These release notes also include some iBETS cases resolved in earlier releases, but overlooked for closure.

### Key Changes

- The client main graph view has been considerably improved. All controls related to the graphing have been moved down from the main tool bar to the graph panel. A new optional "scroll-pager" tool has been added. This allows easier panning and control of a zoomed time range. The historical and right-axis time anchor controls are now more intuitive. See next page for details.
- New Alarm Groups feature. Enables the grouping of alarms for selective acknowledgement by SMS.
- A new SMS text-back command is available to run a schedule based on its id.
- User password encryption is now much more secure and a previous issue with certain passwords not being accepted is now resolved.
- The previous selection of several novel (but inefficient!) client themes have been removed. Instead a new, smaller set of high performance SVG (Scaled Vector Graphics) themes is provided. The default theme is "Basic" which still supports user manual colour preferences.
- The main navigator tree search now locates matches at the district, catchment and site levels. Previously only sites were searched.
- A basic Image Manager tool is available. This enables the viewing and optionally resizing of the District/Catchment/Site/View images. This is under the Tools menu and will be further enhanced in future upgrades.

### Known Issues

There have been major background changes to the charting function and there are a few points that require further refining. These will be addressed in the V6.2020.4 release along with any updates based on user feedback. Specifically:

- The main chart zoom function only zooms the horizontal (X) axis.
- If the primary trace is a bar series (e.g. rainfall) the scroll pager may not accurately reflect the data and/or time.

## Main Graph Changes

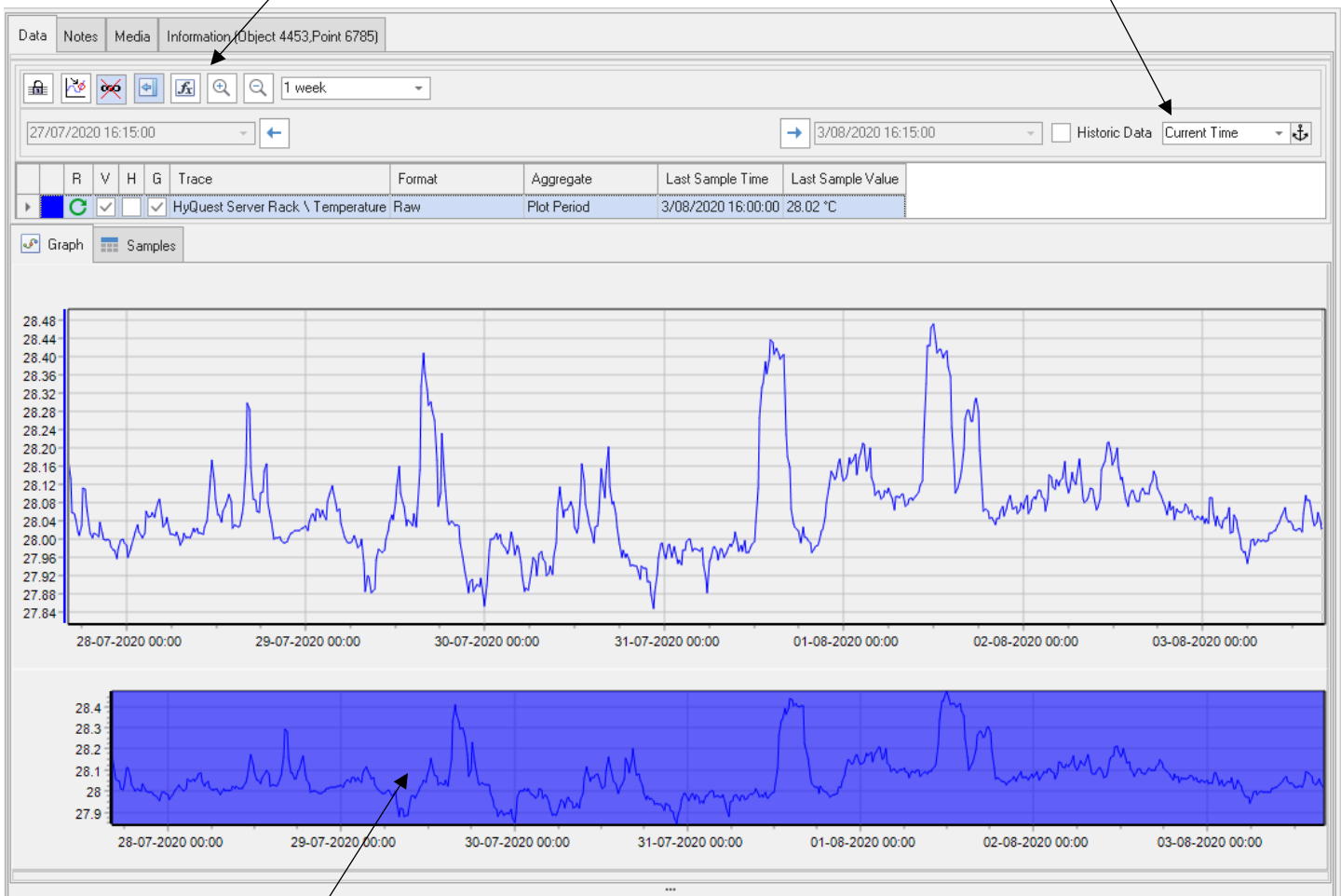
Graph controls moved from main tool bar to more intuitive graph context. From left to right the buttons are:

- Lock all axes
- Enable hot track legend for all traces
- Enable gap detection on all traces
- **Enable scroll pager**
- Enable statistics pane
- Zoom in
- Zoom out

Right-side time anchor is more intuitive and shows the mode:

- Last Sample Time
- Current Time

It is disabled when the Historic Data checkbox is enabled.



**New graph scroll pager.** This is locked to and only displays the graph's primary trace. It is enabled by the button above. This reflects the zoomed time range of the main graph and is useful to pan across the time range. It can also set the zoom span manually.

## Client

### New Features/Enhancements

- Added loggers tree context menu link to interface and host computer configuration forms. iBETS 2375
- Enable support for graph periods less than an hour to user's custom graph period. iBETS 2376
- Provide option to apply audit datum to all visible traces, rather than just the selected one. iBETS 2405
- Samples editor: Add option to set the selected samples to a particular value. iBETS 2399
- Add tool to edit quarantine samples in the same way as normal samples. iBETS 2338
- Add support for configuring Alarm Groups. iBETS 1978
- The main navigator tree search tool now searches districts and catchments, not just sites. iBETS 2410
- Add capability to view/change iRIS 270 / iRIS Under Cover comms module configuration. iBETS 2302
- Improved user prompt for the alarm test function. iBETS 2409
- Added option to inhibit add new item confirmation prompts. iBETS 2415
- Maintenance form: Included option to purge Site Exports table. iBETS 2414
- Added support for custom SMS option for texting commands to loggers. iBETS 321

### Bug Fixes

- Sending a long message to a roster may result in a truncated message. iBETS 2371
- Negative flow values not imported from .rat type rating files. iBETS 2370
- Help file search not working. iBETS 2369
- Repeated plots for same rainfall depth creeping on axis. iBETS 828
- Log level for interface comms log reverts to a basic default rather than using selected interface's log level settings. iBETS 2374
- Logger Active FW/SW information shown by default and does not follow the Show Pending option. iBETS 2350
- Some strings can't be used as passwords. iBETS 375
- iRIS 270 configuration - scaling wizard. Invalid warning about analogue input over-range is invoked. iBETS 2384
- File import issue when importing large HydroTel XML file? iBETS 2388
- Lookup table handling in iRIS 350FX configuration has issues. iBETS 2400
- Error saving device configurations to file if config form just opened. iBETS 2406
- Quality Code selection not honoured during manual insertion of a sample. iBETS 2403
- Samples Editor: Confirmation dialog for change quality code has no comment text. iBETS 2392
- Display of file size of pending logger software can be incorrect if larger than 32767 bytes. iBETS 2349
- Alarm Severity configuration form does not save settings. iBETS 665
- Site creation from logger configuration does not cater for iRIS150FX and iCE3FX misc sensors. iBETS 2402
- Report SQL edit button should not be enabled in report query editor if no datasets. iBETS 1791
- Site browser list should be filtered by security group access visibility. iBETS 1603
- Enhance / fix cross-section display. iBETS 186
- Can't select consents from WUDMS Report Parameter list if more than 64 items. iBETS 2263
- Site browser list should be filtered by security group access visibility. iBETS 1603
- Issues preparing and/or sending lookup (rating) tables to iRIS 350FX loggers. iBETS 2395
- CSI Pakbus configuration dialog may give exception when opening the device parameters form. iBETS 2413
- Repeated plots for same rainfall depth creeping on axis. iBETS 828
- Import Wizard form - various issues / improvements. iBETS 1407

## Server

### New Features/Enhancements

- Add textback function to acknowledge an Alarm 'Group' via SMS. iBETS 1978

### Bug Fixes

- Possible issue with the scheduler when set to fire once a week on a specific day. iBETS 2205
- Command (separate) action does not work. iBETS 2246

## Comms Agents

### New Features/Enhancements

- Add support for Tier 3 (DMR) radio systems (using the UDP agent). iBETS 2393

### Bug Fixes

- Investigate inability to send configurations to iRIS 270 with newer firmware. iBETS 2309
- iRIS150 FX software upgrades not being marked as complete. iBETS 2351
- iRIS 350FX. Remote program upgrades may not fully upload all three software banks FX loggers. iBETS 2301 (NOTE: This was resolved in Version 2019.1 but not closed in iBETS)
- If config send to iRIS 270 fails, it is still flagged as successful. iBETS 2357

## Email Agent

### Bug Fixes

- Password field blank when opening Email Agent Configuration form. iBETS 2417

## Iridium Agent

### Bug Fixes

- Non-compliant email with invalid content and/or attachments may cause the Iridium agent to lock up. iBETS 2373

## Automator Agent

### New Features/Enhancements

- GWRC Barrage Gates: Provide option for user configuration of gates managed by automator. iBETS 2041
- WRC Te Onetea Gate: Make process cycle time configurable. iBETS 2418

## Serial Receiver Agent

### New Features / Enhancements

- Provide option for timestamp rounding to eliminate multiple merged samples. iBETS 1980

## SMS / HTTPSMS Agents

### New Features/Enhancements

- Add textback function to acknowledge an Alarm 'Group' via SMS. iBETS 1978
- Add support for Twilio SMS web service to the HTTPS SMS Agent. iBETS 2377
- Provide an administrator level SMS textback command to run a schedule on demand. iBETS 2006

## Utilities

### Bug Fixes

- HydDBImport: Unable to import all fields from Waveview source database. iBETS 2368
- System Monitor: Access Control List (ACL) form is not accessible via the TD Data Server configuration form. iBETS 2324