# ONC HydroCal Deployment History and Outstanding Issues

This page lists the major releases for ONC HydroCal. These are feature releases, not scheduled releases.

## Deployed:

**Minor Release HC.22.03.001: JIRA Fix Version Link BitBucket Tag Link (links work for internal users only)**

Release date: April 11, 2022, Ticket: DMAS-69369: Add a check and fix for missing accessory files

**Release HC.22.03: JIRA Fix Version Link BitBucket Tag Link (links work for internal users only)**

Release date: March 18, 2022

Parent ticket / Epic: DMAS-66458: As an ONC HydroCal user, I would like iterative improvements for late 2021

Change-list:

- Fixed issues with rounding in the sensitivity and frequency values, enables narrow sweeps
- Improve the drive amplitude user interface, add quick scaling parameters, improve and clarify use of drive amplitude max and bias values
- Improve handling of files and file-naming, remove the save button
- Improve handling of time stamps - in the metadata UI, in file-naming and in keeping track of acquisition and post-process times
- Workflow and data file I/O improvements, improve switching between files / switching configurations, loading (particularly for old files) and saving, fix bugs in this area
- Output data increasing order for better integration with Oceans 3.0
- Minor improvements such as spelling mistakes, user manual updates, plot labels, improved diagnostic logging, add more wait/busy indicators, bug fixes
- Improvements for main user interface

> ⚠ DMAS-66458 - Jira project doesn't exist or you don't have permission to view it.

| Key | Summary | T | Created | Updated | Due | Assignee | Reporter | P | Status | Resolution |
|-----|---------|---|---------|---------|-----|----------|----------|---|--------|------------|
| No issues found | | | | | | | | | | |

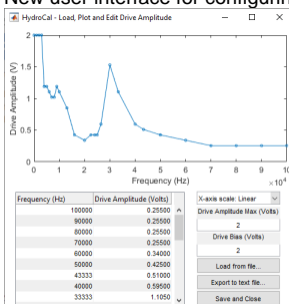**Release HC.20.09: JIRA Fix Version Link BitBucket Tag Link (links work for internal users only)**

Release date: Oct 9th, 2020

Parent ticket / Epic: DMAS-56479: ONC HydroCal bug fixes and support, Sept 2020

Change-list:

- Fixed bugs: fixed issues when switching modes, improved stability for HF digital hydrophones, improved sync pulse detection, improved ability to run multiple calibrations in a row, fixed crash on startup when no internet, handle reverse polarity data, improved default settings and more.
- New user interface for configuring source drive amplitude by frequency, includes plot, edit, add, delete, export to and load from file:

- Support for comments in settings ini file
- Improved main user interface metadata and sensitivity tables interactions and sizing, particularly for small screens
- Testing and documentation improvements, file-naming improvements

> ⚠ DMAS-56479 - Jira project doesn't exist or you don't have permission to view it.

| key | summary | type | created | updated | priority | status | resolution |
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> ⚠ Jira project doesn't exist or you don't have permission to view it.
>
> View these issues in Jira

## Release HC.20.09: **JIRA Fix Version Link** **BitBucket Tag Link** (links work for internal users only)

Release date: Aug 24th, 2020

Parent ticket / Epic: DMAS-56182: bug fixes and support, August 2020

Change-list:

- Fixed bugs: support package was being excluded from build, improved pathing and build environment
- Software version check now only tries to check once a day
- Updated all drivers, support packages and software to the latest MATLAB R2019a update

> ⚠ DMAS-56182 - Jira project doesn't exist or you don't have permission to view it.

| key | summary | type | created | updated | priority | status | resolution |
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> ⚠ Jira project doesn't exist or you don't have permission to view it.
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> View these issues in Jira

## Release HC.20.02: **https://jira.oceannetworks.ca/projects/DMAS/versions/11992** (link works for internal users only)

Release date: Feb 27th, 2020

Parent ticket / Epic: DMAS-53823 - As an ONC HydroCal user, I need improvements for HF testing

Change-list:

- Prevent the ini file settings from being overwritten, particularly when users have modified them
- Add automatic downsampling of external digital hydrophone wav file data to prevent out of memory errors and improve performance
- Improve sync tone detection and reliability for external digital hydrophones
- Added a check for software updates
- Updated run-time library to MATLAB R2019a

⚠ [DMAS-53823](#) - Jira project doesn't exist or you don't have permission to view it.

| key | summary | type | created | updated | priority | status | resolution |
|-----|---------|------|---------|---------|----------|--------|------------|

⚠ Jira project doesn't exist or you don't have permission to view it.

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## Release HC.19.06: [https://jira.oceannetworks.ca/projects/DMAS/versions/11773](https://jira.oceannetworks.ca/projects/DMAS/versions/11773) (link works for internal users only)

Release Date: 24 July 2019

Parent ticket / Epic: [DMAS-48349](#) - As an ONC HydroCal user, I need improvements for HF testing

Change-list:

- Handles start/stops/reloads of calibrations much better
- Handles loading older versions of calibration data files and settings files
- Added ability to recover badly synchronized data by cross-correlating to target tones
- Improved spacing around plots
- Various UI changes to display and interaction, including warnings for missing parameters that would caused calibrations to fail
- Fixed cal sheet mis-alignment
- Changed a number of defaults: source voltage ramp rates, sample rates
- Made more parameters configurable, including the low voltage alert
- Changed filename and date stamping to the date of the data acquisition instead of file creation
- Improved re/post-processing of the data, plus added the ability (optionally) to reprocess the reference data, including changing some parameters
- Add quality metrics: correlation and signal to noise ratios - this allows users to compare multiple runs and pick the best result

⚠ [DMAS-48349](#) - Jira project doesn't exist or you don't have permission to view it.

| key | summary | type | created | updated | priority | status | resolution |
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⚠ Jira project doesn't exist or you don't have permission to view it.

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## Release HC.18.12: [https://jira.oceannetworks.ca/projects/DMAS/versions/11766](https://jira.oceannetworks.ca/projects/DMAS/versions/11766) (link works for internal users only)

Release Date: 24 Dec 2018

Parent ticket / Epic: [DMAS-47521](#) - As a ONC HydroCal user, I would like metadata support for element and digitizer serial numbers

⚠ [DMAS-47521](#) - Jira project doesn't exist or you don't have permission to view it.

**Release HC.18.08.000: [https://jira.oceannetworks.ca/projects/DMAS/versions/11569](https://jira.oceannetworks.ca/projects/DMAS/versions/11569) (link works for internal users only)**

Release Date: 18 Jul 2018

Parent ticket / Epic: DMAS-44864: As a DFO hydrophone operator, I would like to use ONC HydroCal software to calibrate my hydrophones

⚠ [DMAS-44864](#) - Jira project doesn't exist or you don't have permission to view it.

| key | summary | type | created | updated | priority | status | resolution |
|-----|---------|------|---------|---------|----------|--------|------------|

⚠ Jira project doesn't exist or you don't have permission to view it.

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# In Progress:

None at this time. Check back soon or contact us to report outstanding issues.

# Backlog / Outstanding Issues:

The following list may contain duplicates of the in progress issues above, and may contain issues that maybe resolved as "won't do", "duplicate" or "cannot reproduce". The number of tickets here is not a measure of the quality of the software.

| key | summary | type | created | updated | priority | status | resolution |
|-----|---------|------|---------|---------|----------|--------|------------|

⚠ Jira project doesn't exist or you don't have permission to view it.

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