

# DATA MASTER CHANGE LOG

2025-04-25

**Client:** 2025.3

Data:

New features:

- Added synchronization summary after video sync
- GoPro metadata is now loaded into GoPro *Speed*, *Latitude*, and *Longitude* channels

Improvements:

- Improved GoPro video synchronization algorithm

2025-03-13

**Client:** 2025.2

Data:

New features:

- Added the ability to automatically load and export logs to CSV via the command line

Fixes:

- Fixed an issue where certain EMU Black V3 channels displayed incorrect values

2025-03-04

**Client:** 2025.1

Data:

New features:

- Support for logs from EMU BLACK V3

Fixes:

- Fixed an issue where bookmarks from an EMU PRO log could crash the software

2024-10-23

**Client:** 2024.7

Data:

New features:

- Support for logs from EMU PRO version 115.0

Improvements:

- Default GPS aliases updated to support native EMU PRO GPS functionality

Fixes:

- Fixed an issue where the Reference Track was not generated for some hillclimb logs

Visualizations:

New features:

- GPS/Track Map now displays satellite images of the track – supports all ADU native tracks without requiring an online connection

Improvements:

- Improved the sizing of newly added panels.

Fixes:

- Fixed an issue where the GPS/Track Map and Scatter Plot would not refresh when starting lap comparison from Bookmark Overview

<b>Client:</b>	<b>2024.5.1</b>	<b>2024-08-23</b>
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Data:

Fixes:

- Fixed incorrect handling of GPS data from ADU version 104.0
- Fixed an issue where logs saved in ADU software version 104.0 and firmware 92.x were incorrectly loaded
- Fixed a crash that occurred when attempting to save a project to a nonexistent path

<b>Client:</b>	<b>2024.5</b>	<b>2024-07-26</b>
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Data:

New features:

- Reports introduced: Reports can be used to automatically identify specific situations in the log
- Support of logs from EMU PRO version 111.0

Improvements:

- Excluded laps are saved in the .dmdata file and restored when the file is opened again
- After editing drag runs in the Lap Editor, the segment split is rechecked

Fixes:

- Fixed issues with drag runs ending too early
- Fixed issue with Math tree groups not clearing when loading a new project

Visualizations:

New features:

- New context help available (question mark icon or F1)

Improvements:

- Updated default desktop layouts

Fixes:

- Fixed incorrect drawing of enum channels from EMU PRO
- Fixed incorrect Run Chart drawing for negative values

2024-04-19

**Client:** 2024.4

Data:

New features:

- Introduced full GPS support for logs other than ADU or for custom GPS channels. It's done via the @GPS\_LATITUDE and @GPS\_LONGITUDE aliases, that the user can attach the channels to

Improvements:

- Lap Editor: start point move allowed only when GPS and speed channels are defined
- Importing an archive: you can now select the videos to synchronize as in the original project
- Old project saves when opening a new project

Fixes:

- Fixed laps being stuck as excluded
- When starting a new project, it no longer inherits the mathematical file and the video from the previously worked on
- Fixed an issue with incorrect values showing in the log and during the CSV export with the EMU PRO user-defined channels
- Fixed data corruption when reordering logs or deleting a single file
- Fixed a crash when comparing two laps from different files and using the filtering function of the Graph Log
- Fixed issues with lap times showing 0 when the Reference Track is in use. Too short segments were corrupting lap times
- Fixed a bug causing unintended behavior when using the user split in case of multiple logs loaded
- Fixed a rare bug when loading a new log corrupted the decimal places in the math channels
- Fixed a bug which enabled the user to start a new project with a corrupted desktop

Changes:

- Default speed channel source for distance calculation changed to @SPEED

alias to obtain maximum versatility

#### Visualizations:

##### New features:

- Table Builder added. The Table Builder offers a data visualization using a map-like table.
- You can generate a Table Builder from a Scatter Plot and vice versa
- Graph log and favorite panels can be added from menubar and toolbar

##### Improvements:

- Axis range works correctly on thermal channels
- Focus on log added for consistency in Log Manager panel behavior

##### Fixes:

- Fixed an issue with some panels not refreshing automatically
- Fixed issue with Scatter Plot state not being assigned properly when duplicating a tab
- Fix for Track Window scaling

**2023-11-02**

**Client: 2023.6.2**

#### Data:

##### Fixes:

- PMU log files from version 92.0 load correctly.

#### Visualizations:

##### Improvements:

- The improper time offset issue in Graphlog when working with long log files has been resolved

**2023-10-06**

**Client: 2023.6.1**

#### Data:

##### Fixes:

- Fixed a crash when an alarm is checked on an absent math channel

**2023-09-29**

**Client: 2023.6**

#### General:

##### Improvements:

- Reduced application startup time

#### Data:

##### Improvements:

- Improved log loading speed
- Support of logs from PMU version 92.0
- Enhanced Lap Editor with significant stability and interface improvements

Fixes:

- Resolved an issue displaying incorrect values during comparisons of drag runs with different distance lengths
- Corrected a bug causing bitfield channels to export incorrectly to CSV files

Visualizations:

Changes:

- Enabled reference track management from GPS/Track map, not limited to Lap Editor

Fixes:

- Addressed the problem of software locking when toggling full-size panels with DPI scaling
- Fixed unexpected behavior when adding panels in full-size mode

**2023-08-25**

**Client: 2023.5**

General:

Changes:

- Log manager relocated to the side panel. Press Ctrl+L to toggle it on and off.

Data:

New features:

- Lap splitting by speed introduced for ECU logs in circuit projects
- Added support for .LRV video files
- Added support for ADU hill climb logs
- All channels can now be exported to CSV
- @SPEED alias can be selected as a channel for time vs. distance calculations when comparing laps

Improvements:

- Invalid laps are now automatically excluded

Visualizations:

New features:

- Added the ability to full-size a single panel (F6 or Tab+Space)

Improvements:

- Enhanced contrast and visibility

Fixes:

- Resolved a bug causing a crash when more than 32 channels were added to the same axis.
- Fixed an issue where dyno projects got stuck in the distance domain
- Resolved an issue with scatter plot axes crashing when using an unresolved alias

**Client:** 2023.4.1 **2023-06-12**

Data:

Fixes

- Fixed math constant issue with capital letters in the name returning 0
- Resolved software crashing when creating a reference track without laps in Rally project type

**Client:** 2023.4 **2023-06-07**

Data:

Improvements:

- Support of logs from EMU PRO version 98.0

Fixes

- Fixed occasional software crashes when loading multiple logs
- Resolved issues with loading short logs into the Rally project

**Client:** 2023.3 **2023-05-05**

Data:

Improvements:

- Full support of user-defined colours

Fixes:

- The issue that caused the incorrect log duration to display in the Log Manager has been resolved

Visualizations:

Improvements

- Coach mode refresh rate increased for a smoother drawing experience

**2023-04-24**

**Client: 2023.2**

General:

Fixes:

- Fixed the issue preventing Graph Log keyboard shortcuts customization

Data:

Fixes:

- Added support for EMU BLACK logs created from version 2.162B

Visualizations:

Fixes

- Fixed an issue with manual axis ranges not loading properly
- Fixed a Graph Log issue with active axis not changing after clicking the channel name
- Fixed a Scatter Plot issue unabling the user to change the axis range for alias channels

**2023-04-21**

**Client: 2023.1**

General:

New features:

- Keyboard shortcuts can be customized

Improvements:

- Overall dark mode improvements
- Full DPI scaling support

Data:

Improvements:

- Major improvement of the GoPro synchronization algorithm
- Added support of EMU PRO logs from version 90.0 upwards

Fixes:

- Fixed the issue with the preview of the CSV not generating properly
- Fixed the issue with the CSV export crashing in case of large files
- Channel colors are handled properly

Changes:

- At the moment, it is not possible to add or remove channel colors
- Discontinued support of older EMU PRO logs (below version 90.0)

## Visualizations:

### New features:

- Trace added to the scatter plot

### Improvements:

- Changed the definition of minimum and maximum values for the channel. Instead of applying these properties to each channel individually, they are now defined for the individual Graph Log axis
- Each axis on the Scatter Plot can be configured individually

<b>Client:</b>	<b>2022.12</b>	<b>2022-11-29</b>
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## Data:

### New features:

- User data: custom log split and bookmarks are now saved in .dmdata files
- Timeshift function added to the math channels

### Improvements:

- Bookmarks can be added, edited and deleted from the log. The user can select the severity of the bookmark.

### Fixes:

- Fixed a bug with aliases not loading correctly in rare cases

### Changes:

- Adjusted channel colours to improve visibility

## Visualizations:

### New features:

- Reference cursor added to the Graph Log
- Bookmark Overview panel added

### Fixes:

- Selection length/start text handled properly in GraphLogWindow when changed from the keyboard
- Fixed an inconsistent cursor position between desktops
- The track map overlay now working properly in the video
- The scatter plot not refreshing when the cursor moved from the video

		<b>2022-08-29</b>
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**Client: 2022.10**

Data:

New features:

- Added a possibility to exclude/include all laps in the log

Improvements:

- Channels with no data logged can be hidden in the channel select window
- Cl.timeSlip calculation algorithm improved to avoid artefacts at the end of the lap
- Default aliases can be edited - not compatible with previous versions
- Channel properties (colour, filtering etc.) are saved in the project file

Fixes:

- Fixed stability issue causing random crashes of video
- Fixed an issue with video randomly freezing in slow motion
- Fixed issues with min/max limits of EMU Black/Classic channels

Changes:

- User-defined aliases created in previous versions will not be supported
- Added more default aliases

Visualizations:

New features:

- Added a possibility to overlay data over video – 2 layouts currently supported

**2022-06-29**

**Client: 2022.8**

Data:

New features:

- Added support of EMU Classic log files (.emulog, .bgc)
- .dmproj and .dmarchive files can be opened directly from the desktop

Improvements:

- After successfully packaging a project, a message box is displayed

Fixes:

- Fixed no offset bug when loading multiple files from EMU Black
- Fixed issue with longer drag runs not splitting correctly
- Fixed issue with math channel frequencies not saving properly
- Fixed bug when starting lap is not equal 0

- Fixed bug with math channels freezing

#### Changes:

- Laps generated from the reference track can't be split/deleted
- File description changed to DATA\_MASTER

#### Visualizations:

##### New features:

- The Channel Report panel added
- Added a text box showing the current offset in the Video panel (manual synchronization mode)

##### Improvements:

- A grid can be toggled in the Graph Log
- Added shortcut to toggle between time and distance axis
- By clicking the segment label you can focus on segment in the Graph Log
- When comparing laps, the channel filtering remains active in the Graph Log
- Button labels in manual synchronization changed

##### Fixes:

- Fixed issue with filtering alias channels in the Graph Log
- Fixed issue with the cursor not updating when scrolling in the Graph Log