



FLYABILITY

ELIOS 3

## **August 24 release notes**

Bug fixes, new features and known limitations

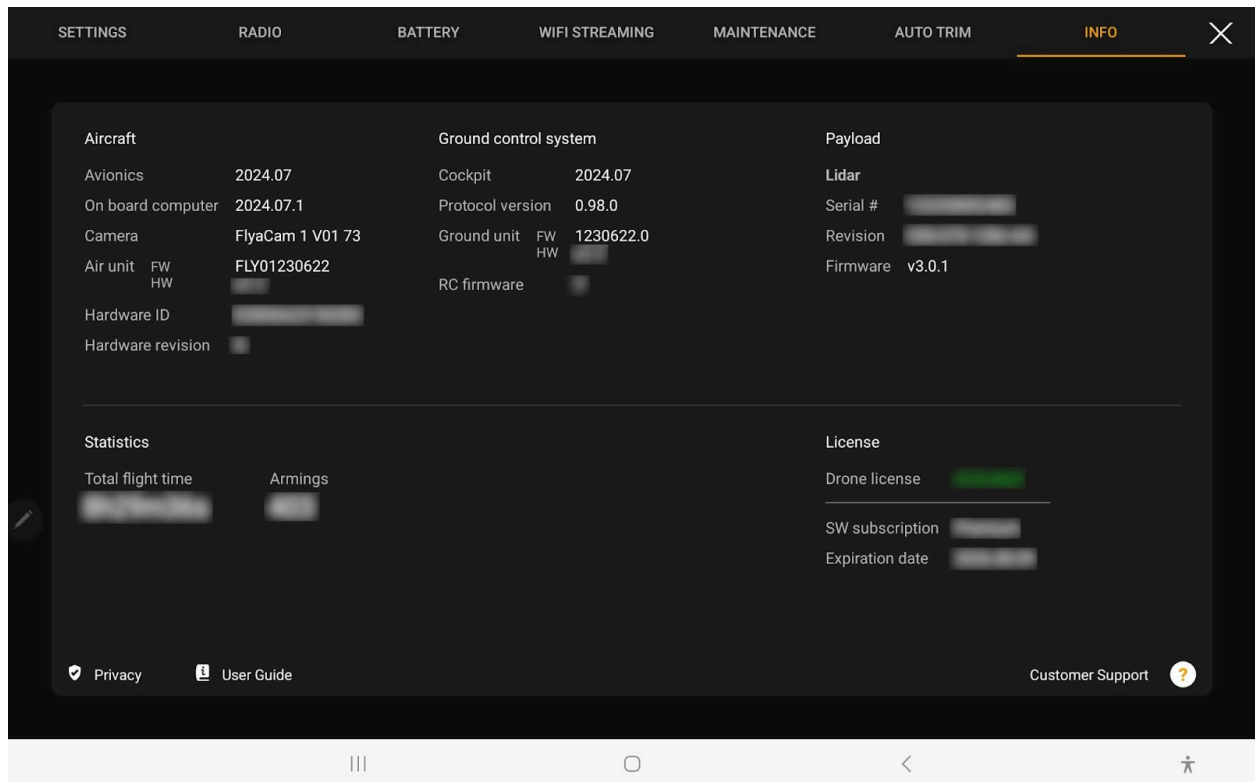
August, 2024

## Updated E3 components versions

**NEW :** Drone firmware: `gaston_2024.07.swu`

**NEW :** Cockpit software: `Flyability-Cockpit-2024.07-release.apk`

**NEW :** Inspector software: `InspectorSetup-24.7.0.86-x64-Release.msi`



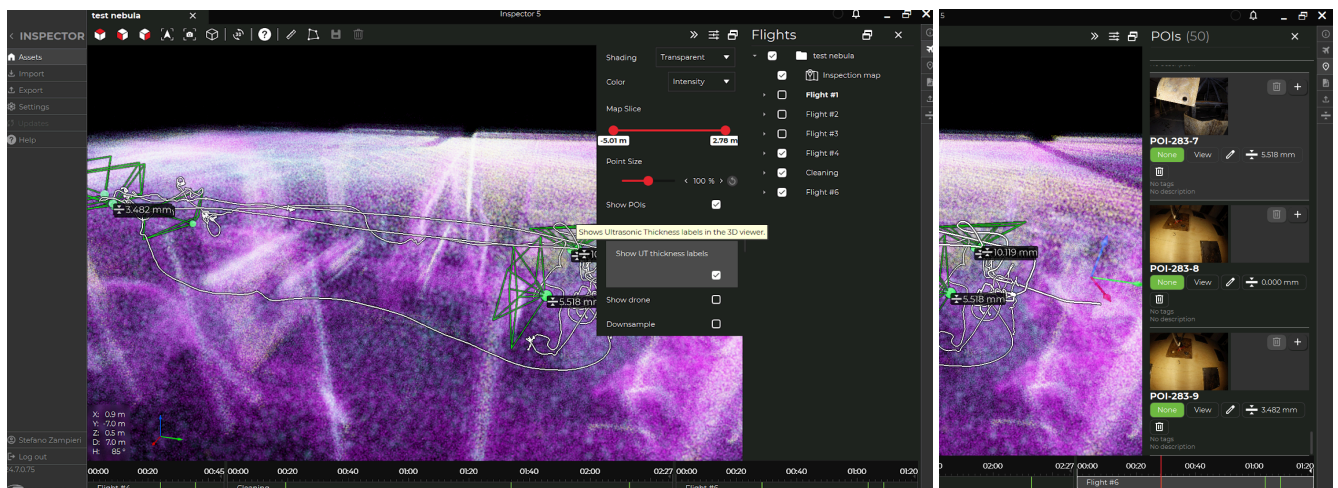
## What's new?

### UT

With the latest update, we are introducing new ways of managing ultrasonic thickness data as the UT payload begins to ship worldwide! This will be the first version of the software supporting the ultrasonic thickness measurement features including:

#### Show thickness labels on the 3D viewer

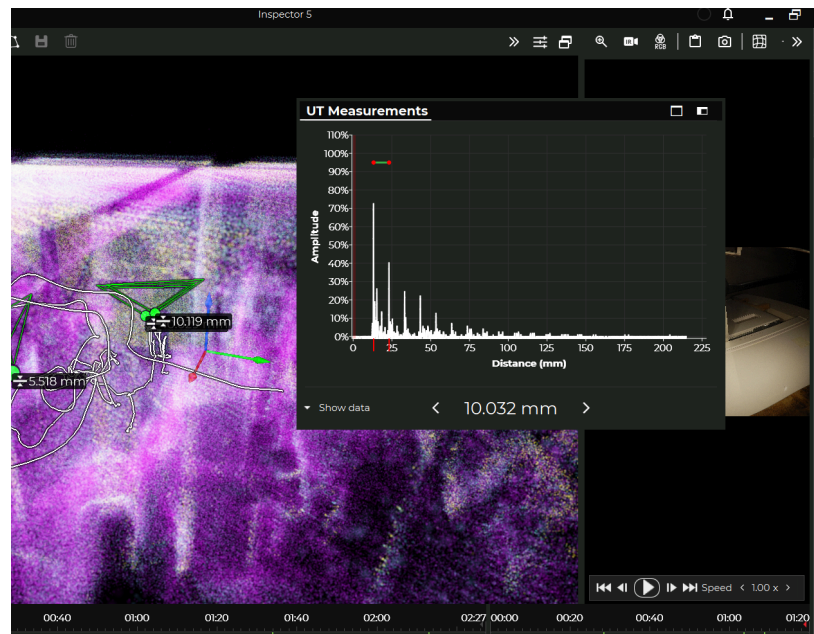
There is now a checkbox in the filters menu of the 3D viewer that allows to display the thickness readings in the viewer directly.



When you click on the label it opens the POI in question. You have the UT measurement displayed on the POI view.

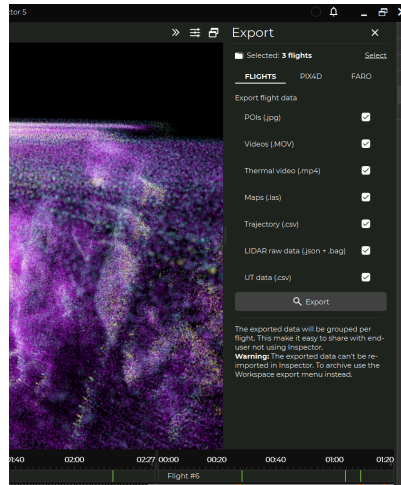
## Show A-scans

Then when you click on the measurement itself in the annotations it opens the UT tab with the A-scans.



## Export UT data in CSV format

In the export menu in the side panel, you can now check UT data to get a .CSV file of all the measurements contained in your POIs.



You will get a .CSV file containing the following information: flight name, POI name, thickness, calibration speed, X, Y, and Z coordinates, payload serial number, and probe serial number.

	A	B	C	D	E	F	G	H	I
1	flight_name	poi_name	thickness_mm	calibration_speed	x_m	y_m	z_m	payload_sn	probe_sn
2	282-Cleaning	POI-282-3	0	6443	0.562851	-1.4204	-0.173961	12743	CLEAN
3	282-Cleaning	POI-282-4	0	6443	0.303468	-7.05223	-0.175367	12743	CLEAN
4	282-Cleaning	POI-282-6	0	6443	1.35293	-7.01015	0.605787	12743	CLEAN
5	281-Flight #4	POI-281-1	10.0285	6443	-1.36554	-1.00967	-0.414796	12743	BP0001C
6	281-Flight #4	POI-281-2	10.1187	6443	-1.41111	-0.909369	-0.384087	12743	BP0001C

- Flight name
- POI name
- Thickness
- Calibration speed
- X,Y,Z coordinates
- Payload serial number
- Probe serial number

## A-scans in the report

When the report is generated you have the option to include the A-scan in the POIs .

## User friendly export and data localization in Inspector

Since the first version of Inspector 5 we have worked on improving the way of exporting data from it. New options are now available. You will find more information [here](#)

## Software licensing update

Cockpit and Inspector will now communicate with a new server for license check. If you work behind a firewall please make sure that **https://api.flyability.com** port **443** is accessible. You may find more information about external services and firewall rules [here](#)

