BharatRohan

Fleet Dashboard

User Guide

https://bharatrohan-dashboard.vercel.app

Generated: February 2026

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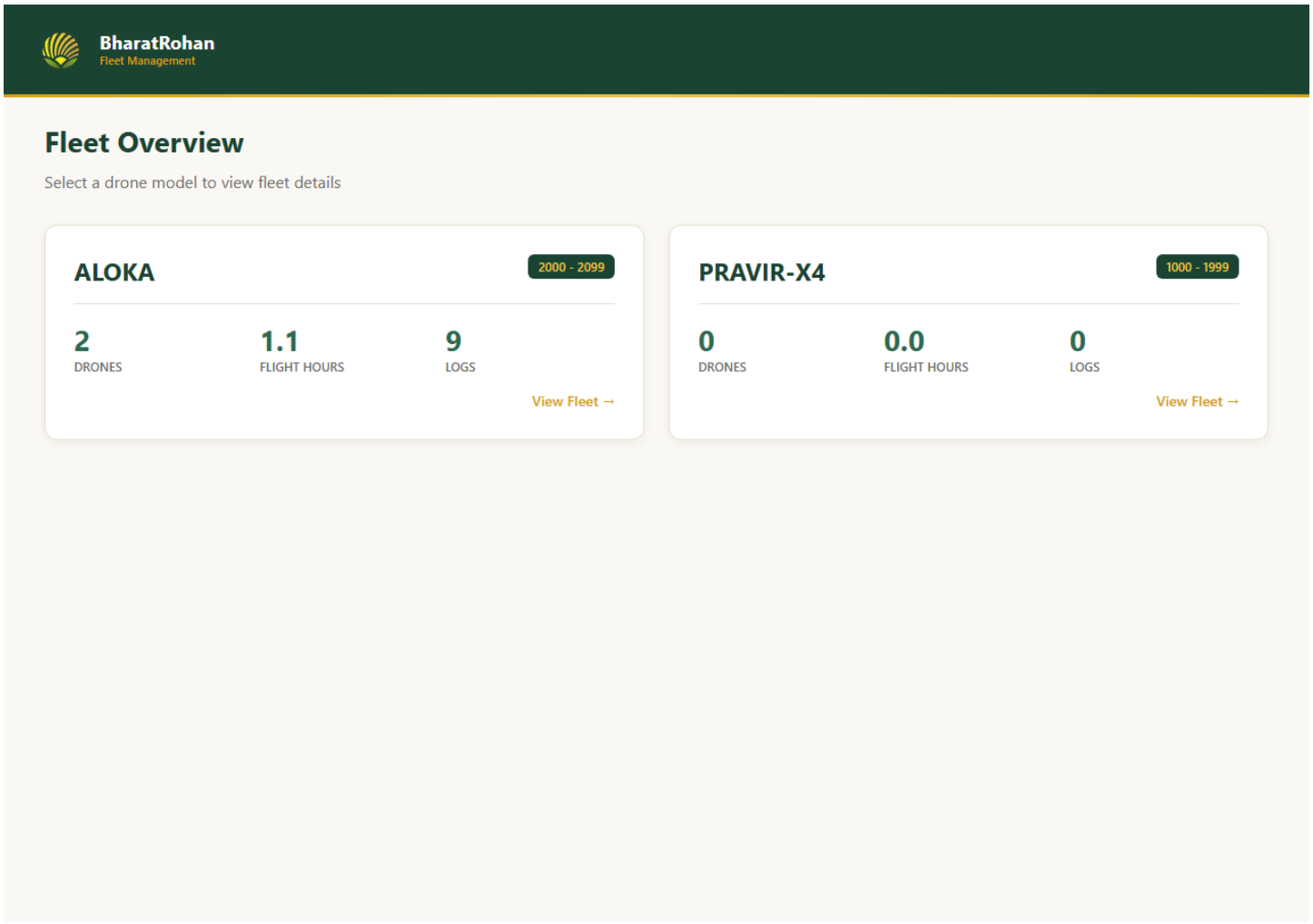
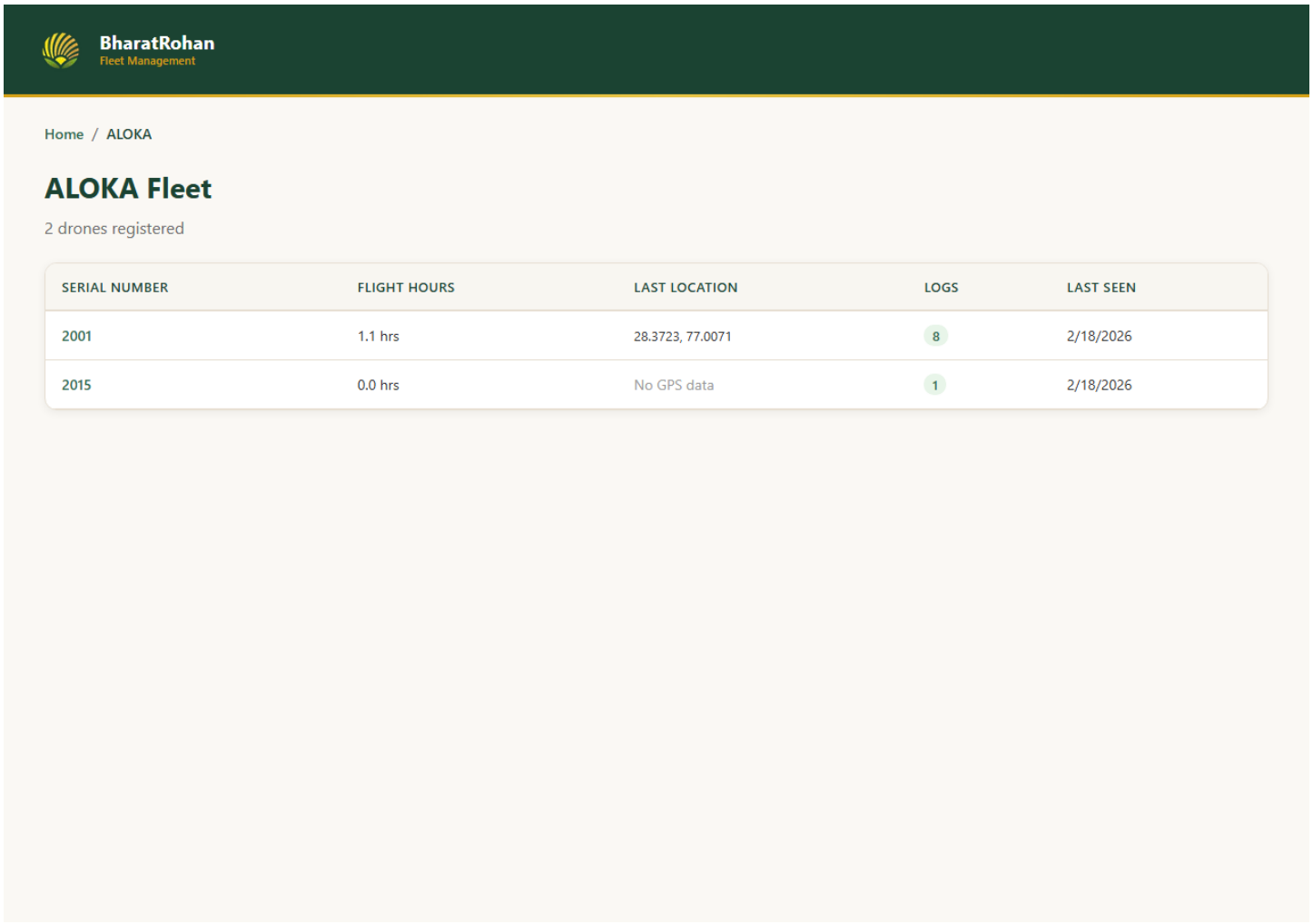
1. Fleet Overview (Home Page)

The home page shows all drone models in your fleet. Each card displays the model name, serial number range, number of registered drones, total flight hours, and log count. Click 'View Fleet' on any model card to see individual drones.



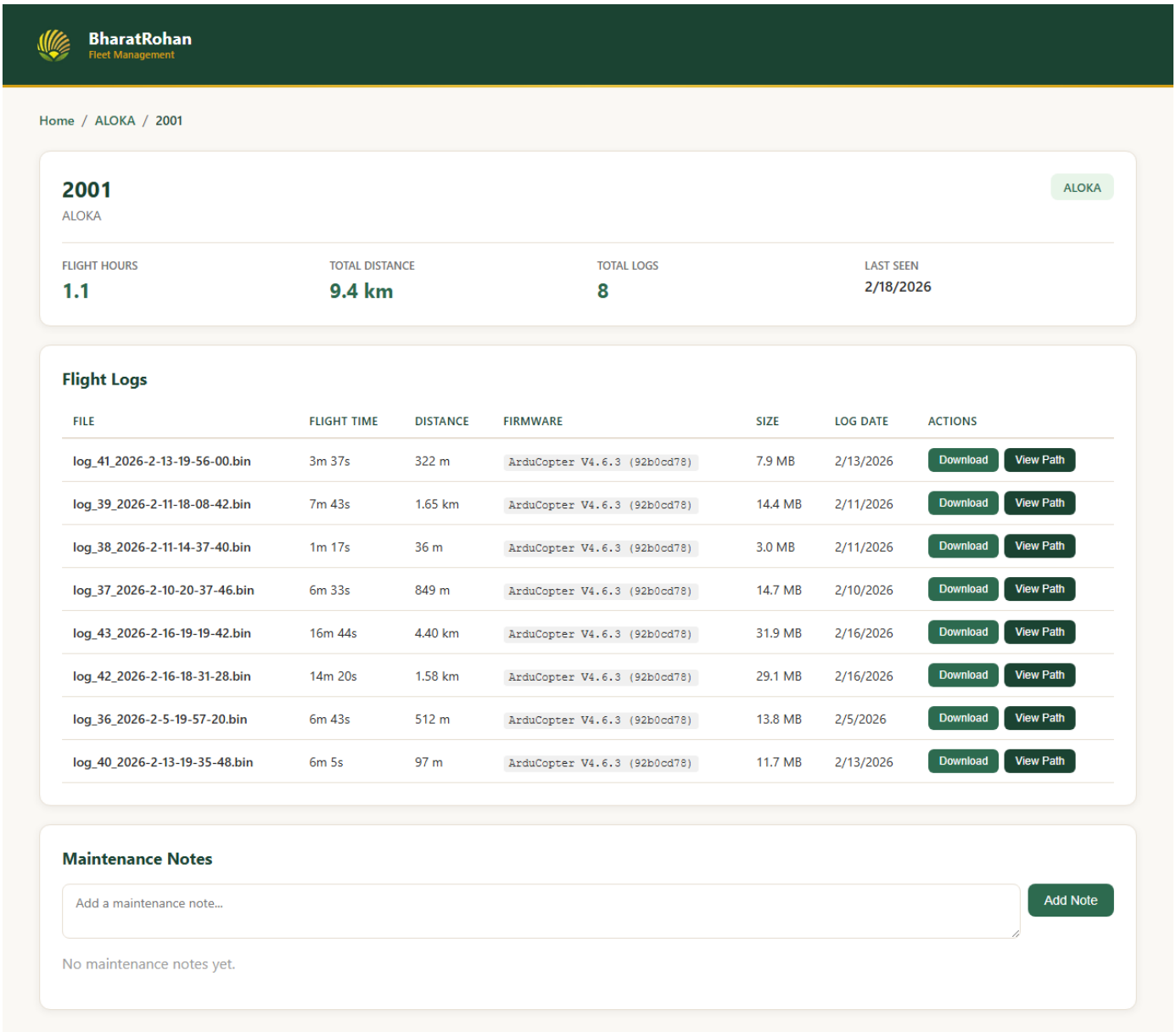
2. Model Fleet Page

The model fleet page lists every drone registered under that model. For each drone you can see the serial number, flight hours, last known GPS location, number of uploaded logs, and when it was last seen. Click any serial number to view its detailed log history.



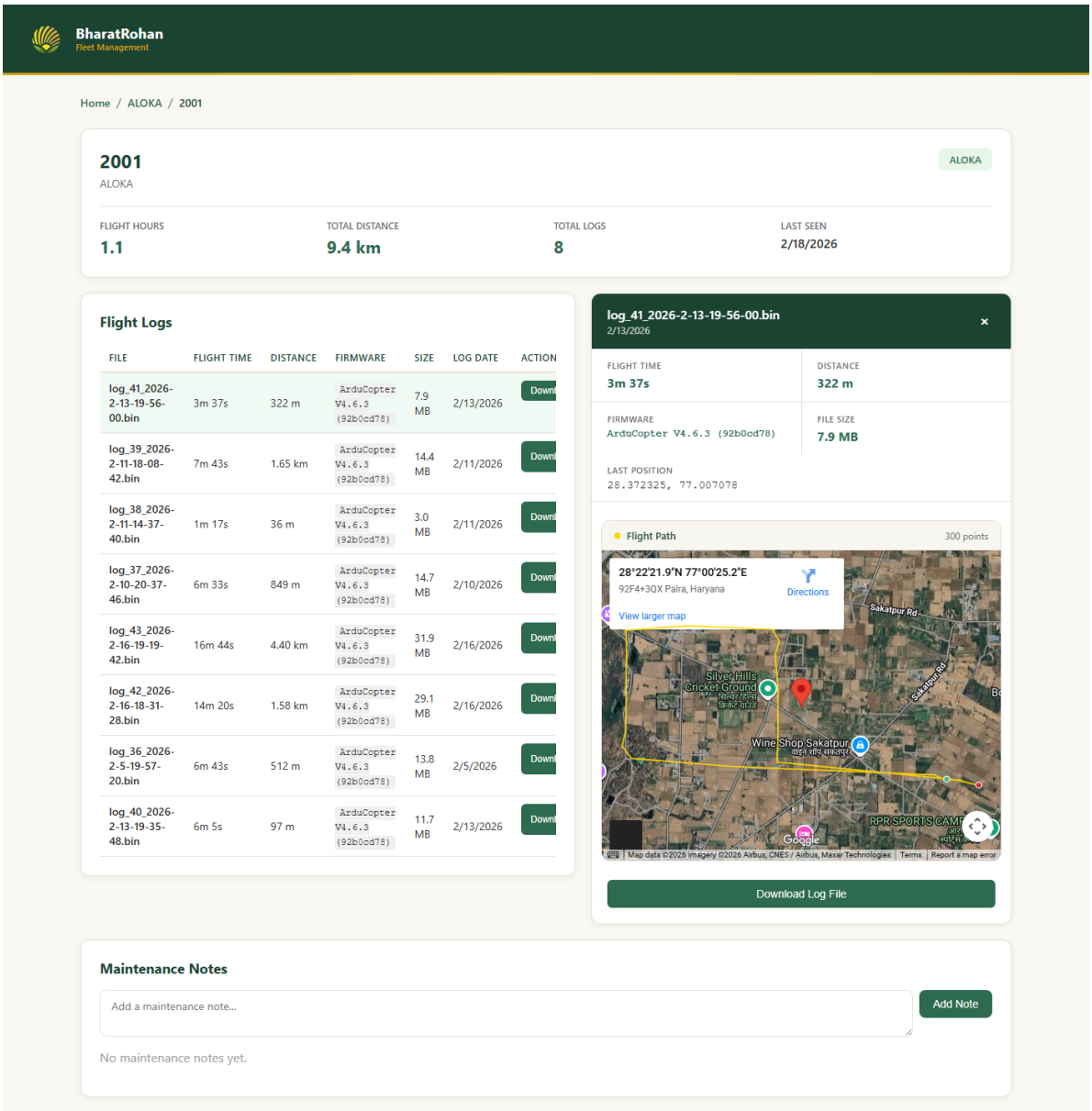
3. Drone Detail Page

The drone detail page shows the full profile for a single drone: serial number, model, total flight hours, total distance flown, number of logs, and the last seen date. Below the summary card is the flight logs table showing each uploaded log with its flight time, distance, firmware version, file size, and date. You can download any log file directly.



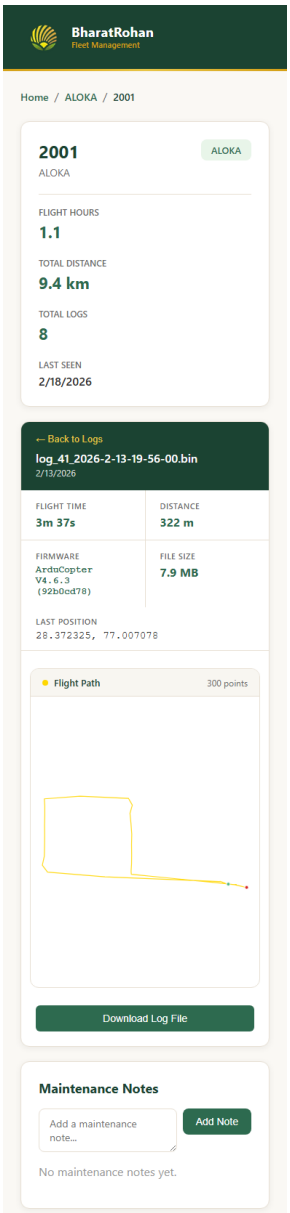
4. Flight Path View (Desktop)

Click 'View Path' on any log row to open the flight detail panel on the right side. The panel shows flight statistics (time, distance, firmware, file size), the last known GPS position, and a satellite map with the flight path drawn in golden yellow. Green dot marks the start, red dot marks the end of the flight. Click the X button or click the row again to close the panel.



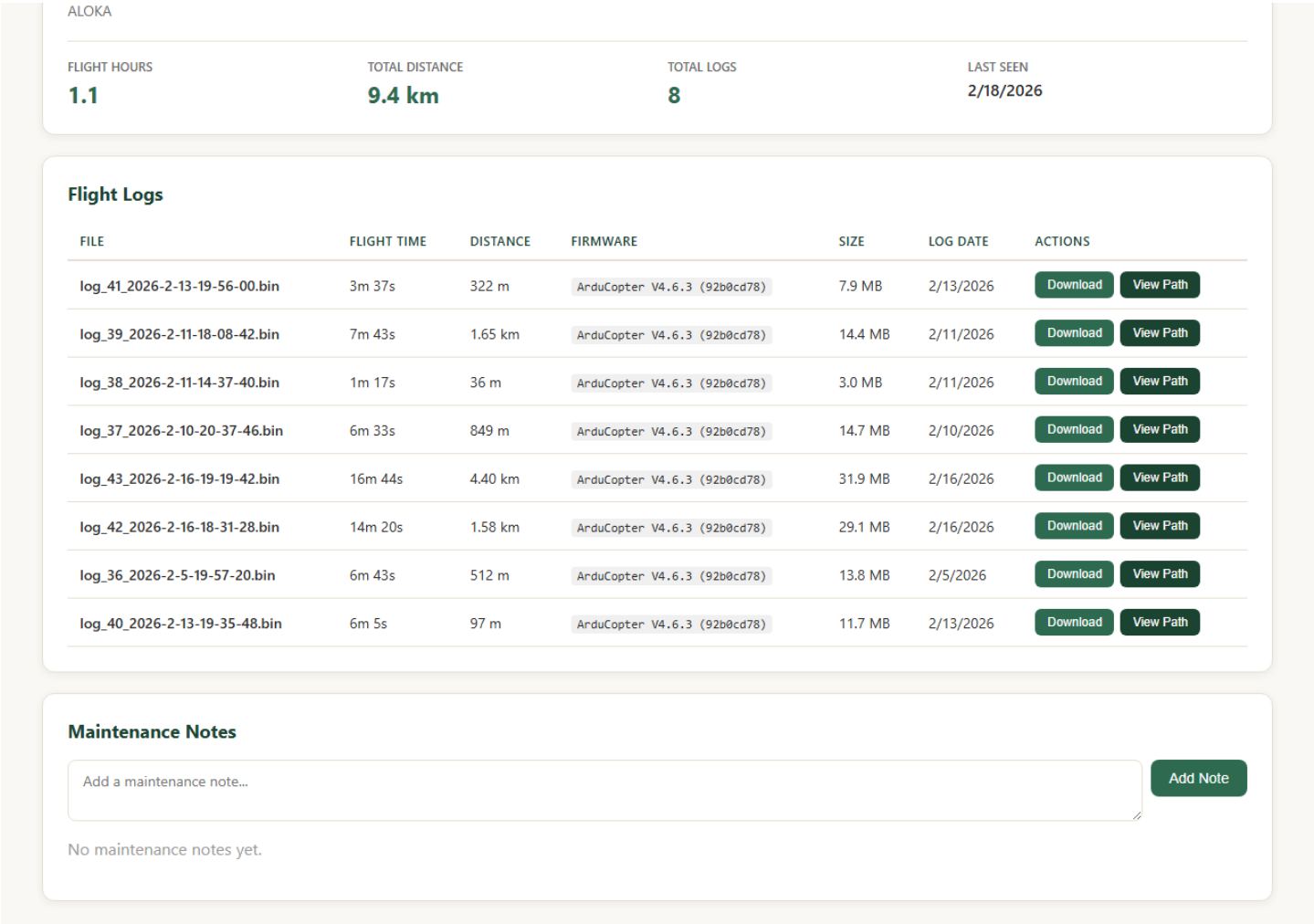
5. Flight Path View (Mobile)

On mobile devices (screens narrower than 768px), clicking 'View Path' replaces the logs table with a full-width detail panel. Tap the golden 'Back to Logs' button at the top to return to the flight logs table. All the same flight information and map are available in the mobile view.



6. Maintenance Notes

Below the flight logs table is the Maintenance Notes section. You can add notes about repairs, inspections, part replacements, or any observations about the drone. Notes are timestamped and stored per drone. This helps maintain a service history for each aircraft in your fleet.



7. Uploading Logs from QGroundControl

Logs are uploaded to the fleet dashboard directly from the BharatRohan QGroundControl (QGC) app on the SIYI MK15 ground station.

Steps to upload flight logs:

1. Connect the MK15 to the internet (Wi-Fi or mobile hotspot).

2. Open QGC and go to the Analyze View (gear icon > Log Download).

3. Scroll down to the Cloud Upload section.

4. Select the drone folder you want to upload from the dropdown. The dropdown lists all MODEL/SERIAL subfolders containing .BIN log files.

5. Click Upload Logs to Cloud. The upload will skip duplicates, parse each log for flight time, distance, firmware version, and GPS path, upload the .BIN file to cloud storage, and update flight hours automatically.

6. Monitor the progress bar and status messages. Once complete, logs appear on the fleet dashboard within 60 seconds.

Troubleshooting:

- If no folders appear in the dropdown, ensure logs have been downloaded from the drone to the MK15 local storage first.

- If upload fails, check internet connectivity and retry.

- Duplicate logs are detected by file name and will not be re-uploaded.