File name: CSUM-Q-HR-PROP_OffreStage_1U_Data_Analysis_v2.0

Author: GUILLERME Théo



INTERNSHIP OFFER - IN ORBIT DATA ANALYSIS OF CUBESATS

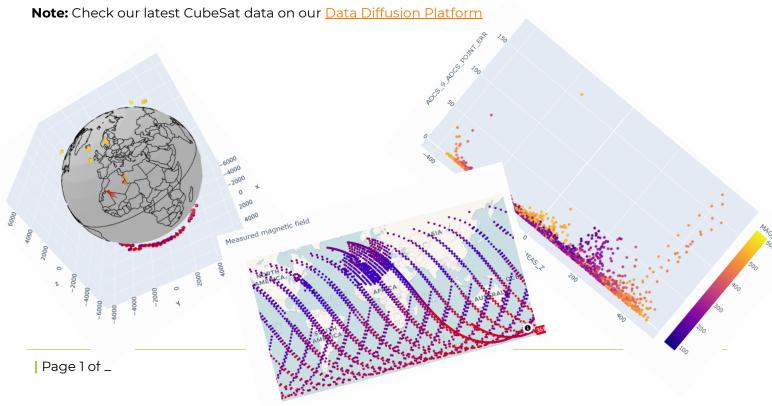
1 UNIVERSITY SPACE CENTER OF MONTPELLIER

The University Space Center of Montpellier (CSUM) is the French leader in the development and operation of nanosatellites developed by students. It has acquired in-depth competences in the field of design, manufacturing, testing and operation of nanosatellites and their subsystems, as well as in space project management and product assurance in the framework of university space projects. The CSUM has an AIT (Assembly Integration and Test) Facility, a CDF (Concurrent Design Facility) and both UHF and S-band Ground Stations. The CSUM develops its own 1U and 3U CubeSat nanosatellite platforms with the support of the Van Allen Foundation and both the French and the European space agencies.

2 INTERNSHIP DESCRIPTION

Objectives: The CSUM has recently launched multiple 1U CubeSats as well as ROBUSTA-3A, our first 3U CubeSat. The objective of this internship is to analyze our In-Orbit data and compare it to tests done before launch. The internship will focus on our 1Us CubeSats.





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Level: 1st/2nd year of MSc or equivalent

Duration: 4 to 6 months

Skills (it is not mandatory to have all of them):

- Knowledge about CubeSats, orthography, orbit control, attitude control
- Experience in Python
- GIT or similar version control system
- English minimum: being able to have a technical discussion with experts and to write documentation
- Optionnal: knowledge about data processing (prediction models, multivariable regression models, etc...)
- Location: Centre Spatial Universitaire de Montpellier, Campus Saint-Priest, Montpellier, France

Stipend: 4.35 euros/worked hours for duration between 308 and 924 hours, 35 hours/week.

Preferred starting date: September 2025 or the following months

Supervisor, Function at CSUM: Théo Guillerme (Mission Analysis/AOCS engineer)

3 CONTACT

Please upload your application by completing the form at: https://csum. umontpellier.fr/en/job-offers-internship/

Supervisor e-mail: theo.guillerme@umontpellier.fr

