

The UPC LRG offers internships to work in a space project in a highly motivated team with strong international connections.

The internship includes the payment of the enrolled ECTS credits but there is no funding for salary

Skills

Programming skills in one or several languages: Matlab, C, Python

How to apply

Send a short CV and a short motivation letter to:

montana@mit.edu

The deadline is the 8th of April, 2018.

The selection of the candidate will be made during April. Interviews might be required.

Work dedication

Orientative:

May: 10h/week

June: 20 h/week

July: 30 h/ week

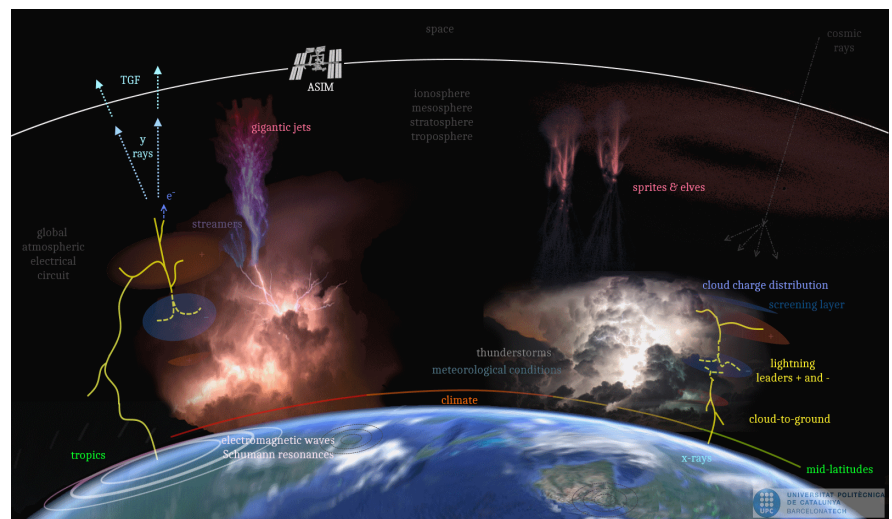
September: 30 h/week (2 weeks)

Total: 300 h

Internship at the UPC Lightning Research Group

Position 4: ELF Schumann resonance data

The UPC Lightning Research Group has an ELF magnetometer at the island of Sal in Cape Verde. This sensor allows to measure the Q-burst due to intense lightning that excites the Earth-Ionosphere cavity. These energetic lightning flashes have been proven to be related to the occurrence of TLE at the mesosphere. The ESA's ASIM mission is focused to observe and investigate TLE from the ISS.



Tasks

- Analyze our existing code of the Cape Verde's ELF sensor.
- Produce codes for computation of the charge moment change
- Produce codes to analyze the global lightning activity.
- Cooperate with research activities with our colleagues at the MIT.
- Updating our website.