Camila da Cunha Lopes, Msc.

PhD Candidate
Department of Atmospheric Sciences (DCA)
Institute of Astronomy, Geophysics and Atmospheric Sciences (IAG)
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Research interests

Cloud Microphysics, Atmospheric Electricity, Tropical Storms.

Education

2019-Present **PhD in Meteorology**
University of São Paulo, Brazil
Thesis Title: *Deep Convection Invigoration in Amazônia: Observations and Comparison with Satellite Estimates*

2017-2019 **M.S. in Meteorology**
University of São Paulo, Brazil
Dissertation Title: *Microphysics, Kinematics and Electrification in Hail Producing Tropical Storms during SOS-CHUVA Project*

2012-2017 **B.S. in Meteorology**
University of São Paulo, Brazil
Graduation Work Title: *Summer Storms Features in São Paulo Metropolitan Region during CHUVA-GLM Paraíba Valley Experiment*

Complementary Education

2019 **São Paulo School of Advanced Science on Atmospheric Aerosols: Properties, Measurements, Modeling, and Effects on Climate and Health**
University of São Paulo, Brazil
Credit Hours: 90h

2019 **NOAA/NASA Satellite Meteorology Summer Workshop**
Colorado State University, USA
Credit Hours: 70h

2019 **Design and Evaluation of Extension Programs**
University of São Paulo, Brazil
Credit Hours: 15h

2017 **III Workshop on Data Science**
University of São Paulo, Brazil
Credit Hours: 8h

2017 **II Python Bootcamp**
University of São Paulo, Brazil
Credit Hours: 25h

Conference Presentations

LOPES, C. C. ; ALBRECHT, R. I. . The Influence of Hail on Severe Storms Electrification, 2018, Nara. 16th International Conference on Atmospheric Electricity.

LOPES, C. C. ; ALBRECHT, R. I. . Summer Storms Features in São Paulo Metropolitan Region during CHUVA-GLM Paraíba Valley Experiment, 2016, São Paulo. SIICUSP Publications.

LOPES, C. C. ; YNOUE, R. Y. . Verification of Air Quality Forecast in São Paulo, 2016, Porto Seguro. Abstracts from the 68ª Annual Reunion of SBPC.

LOPES, C. C. ; YNOUE, R. Y. . Identification and Characterization of Weather Fronts in the City of São Paulo, 2014, São Paulo. Abstracts from the XIX IAG Symposium of Undergraduate Research (SICIAG). p. 66-66.

LOPES, C. C. ; YNOUE, R. Y. . Evolution of Climatological Normals of IAG-USP Meteorological Station for the 1941-2010 period, 2013, Florianópolis. Abstracts from the V International Symposium of Climatology.

Awards and Recognition

2015 Honorable Mention in the International Stage of the 23rd International Symposium of Undergraduate Research (SIICUSP), University of São Paulo.

2015 Feature in Atmospheric Sciences Area of the XX IAG Symposium of Undergraduate Research (SICIAG), Institute of Astronomy, Geophysics and Atmospheric Sciences.

2014 Feature in Atmospheric Sciences Area of the XIX IAG Symposium of Undergraduate Research (SICIAG), Institute of Astronomy, Geophysics and Atmospheric Sciences.

Relevant Experience and Skills

Software and Programming

Microsoft and Linux/Unix Operating Systems.
R (e.g., Tidyverse, ggplot2), Python (e.g., Py-ART, CSU_RadarTools) and FORTRAN programming languages.

Languages

Portuguese	Native
English	Upper Intermediate

Other Services and Activities

2016-Present ***MetEd em Português***
University of São Paulo, Brazil
Translator

Translation and revision to portuguese of several COMET courses related to remote sensing with weather satellites and atmospheric radiation. These courses include the GOES-R module extension *Introduction to Geostationary Lightning Mapper* (https://www.meted.ucar.edu/training_module.php?id=1175#) and part of the Satellite Foundational Course for GOES-R (SatFC-G) compiled in GOES-R Series Multilingual Training Resources (https://www.meted.ucar.edu/satmet/goes_resources/).