

Puerto Rico Atmospheric Major Research Laser Instrumentation Program

NSF Grant: AGS-1126123
\$658 thousand (2011-2013)

MRI: Laser

- ▶ **The Puerto Rico Atmospheric Major Research Laser Instrumentation Program (PR-LASER) is a \$658,000 NSF Grant.**
- ▶ It is a partnership between Universidad Metropolitana (UMET), the Arecibo Observatory (AO), and the NSF-funded CEDAR Resonance and Rayleigh Lidar Consortium Technology Center (CRRL/CTC), at the University of Colorado–Boulder.

Objectives

- ▶ To enhance upper-mesospheric research activities using new laser technology at AO through the acquisition of a state-of-the-art pulsed alexandrite laser.
- ▶ To improve data quality, system reliability, and to increase access to and training in the use of modern research instrumentation.
- ▶ To implement a research training program in science, technology, engineering and mathematics (STEM) fields in optics with an emphasis on atmospheric remote sensing for students from pre-college through graduate school and science teachers from Puerto Rico at UMET's Puerto Rico Optical Sciences Institute (PROptSci).

Webpage



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Lidar installation at the Arecibo Observatory

Student Research Development Center
Caribbean Computing Center for Excellence
AGMUS Institute of Mathematics
MRI: AMISR

To contact us:
Dr. Juan F. Arratia
Executive Director/Principal Investigator
Student Research Development Center
PO Box 21150 San Juan, PR 00928

Partners:



<http://mrilaser.suagm.edu>