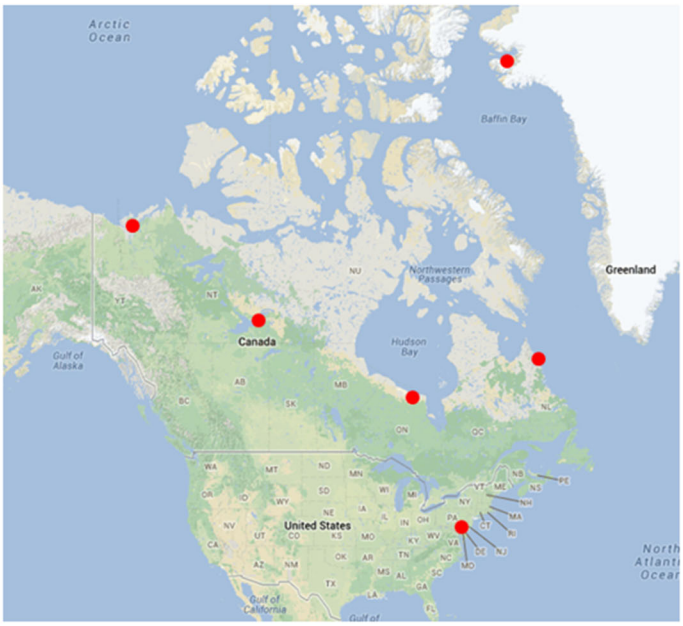
The Simpson Neutron Monitor Network Program supports undergraduate research at the University of Delaware.

The Newark Neutron Monitor is located at the University of Delaware. These detectors have provided important teaching tools for undergraduates and graduate students. This local station allows students to gain experience working on advanced instruments and high-tech equipment. The operation of the system and detection strategy can be used to help engage students in exploring physics and electronics from the basic level to the advanced level. They acquire research skills transferrable to many science, technology, and engineering fields.

There are also possible opportunities to travel to remote stations in Northern Canada / Greenland and participate in the site maintenance and upgrade visits. This includes Inuvik, Fort Smith, Peawanuck, Nain, and Thule stations. Students will receive a stipend and funding to cover their travel.

If interested, please contact Prof. John Clem for details

jmc@udel.edu



Locations of the current University of Delaware/Bartol stations in the Simpson Neutron Monitor Network.

Current Bartol Stations and Locations

Thule AFB, Greenland 76.5 North, 68.7 West, 26 m elevation above sea level

Inuvik, Canada 68.4 North, 133.7 West 21 m

Fort Smith, Canada 60.02 North,111.93 West 206 m

Peawanuck, Canada 54.98 North, 85.44 West

Nain, Canada 56.55 North, 61.68 West, 46 m

Newark, Delaware, 39.7 North, 75.7 West, 50 m