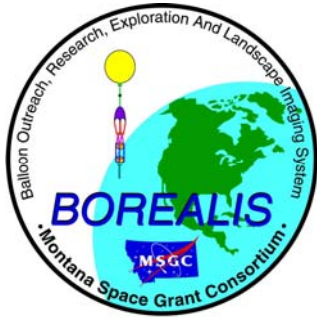


2010 Student internship opportunities with **BOREALIS**

Montana's High Altitude Balloon Research and Education Program



Paid summer internships are available for students from Montana campuses with the Balloon Outreach, Research, Exploration And Landscape Imaging System (BOREALIS) program at Montana State University – Bozeman.



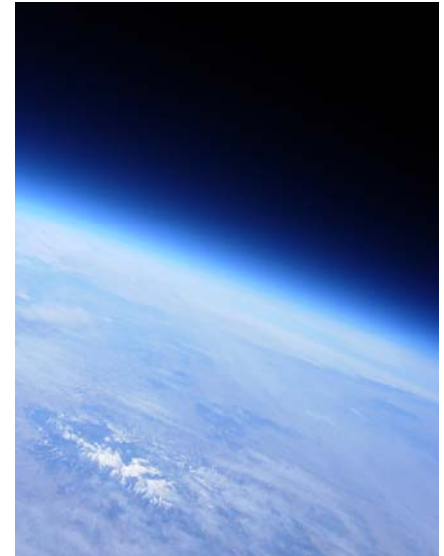
Design, Develop, and Deploy Experiments to Near Space

Summer internships are offered at MSU-Bozeman for sophomore to senior undergraduate college students. Students work in a mission-like team environment where they are encouraged and mentored to design, develop and deploy experiments to the edge of space (100,000 feet). **Students receive training** and hands-on experience in using upper level wind forecasts for flight track predictions, balloon inflation and launch and the use of amateur radios and GPS systems for the tracking and recovery of the experimental payloads. For more information about the BOREALIS program, visit the website at

<http://spacegrant.montana.edu/borealis/>

In past summers, experiments designed and flown by the BOREALIS team included a multi-channel data logger for measurement of temperature, pressure, UV-radiation intensity, ozone, flight altitude and time. A capsule designed by Aerospace Corporation and NASA Ames to monitor the breakup of satellites reentering the atmosphere was flown twice to test its telecommunication system.

This summer up to six Montana students will have the opportunity to participate. Several sounding balloon launches are planned to give interns the opportunity to design, fabricate and test flight experiments of their own design. Students may also have the opportunity to travel to Boulder, Colorado to act as instructors at the ***Starting Student Space Hardware Programs Workshop***.



Important Details:

Program Dates: May 31st – August 6th, 2010 (must be able to participate for the entire program)

Eligibility: Participants must: be a full-time registered student (previous two semesters/three quarters) at a Montana campus and must be intending to enroll full time for the fall, have a GPA of 3.0 or higher, have an interest in space science or space engineering

Awards: Students will receive a stipend of \$6,000. In addition, travel expenses will be provided for students from other campuses based on mileage for one round trip.

Application Procedures: A completed MSGC Intern application is required. Applications are available at <http://spacegrant.montana.edu/Text/internships.html>

This program announcement and the application may be found on the Montana Space Grant internship page: <http://spacegrant.montana.edu/Text/internships.html>. The priority deadline for applications is **January 29th, 2010**.