

## Application, Qualifications, and Selection Process

Application to the program can be made via an on-line form:

[www.grasp.stormpeak.dri.edu](http://www.grasp.stormpeak.dri.edu).

Students will provide information about their academic background and a short essay explaining their interest in participating.



GRASP participants at Storm Peak Lab, summer 2008

Successful candidates to the GRASP program will have:

- Completed the equivalent of at least one year of college by summer 2010
- Have a cumulative GPA of 2.5 or higher
- Be pursuing or considering a major in a field related to the geosciences (e.g., chemistry, atmospheric science, computer science, Earth science, engineering, environmental science, physical geography, mathematics, meteorology, oceanography, or physics).

## Dates and Costs

Applications are due February 1, 2010. Dates of the summer program will be August 1–8, 2010. Students will be informed of their selection by March 1, 2010.

Cost for all travel to SPL and Howard University will be provided by GRASP. Students also will receive a stipend (\$350) for their time at Storm Peak Laboratory.



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For submission forms, updates, and more information visit our website at:  
<http://www.grasp.stormpeak.dri.edu>

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## Contact Information:

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## Geoscience Research at Storm Peak

*GRASP is funded by the National Science Foundation's Opportunity for Enhancing Diversity in GeoScience Program, whose mission is to recruit and retain students from underrepresented groups within the geosciences.*



## Introduction

Geoscience Research at Storm Peak (GRASP) is a mentoring program providing exceptional field research experiences for a diverse group of undergraduate students. GRASP is funded by the National Science Foundation's Opportunity for Enhancing Diversity in GeoScience Program, whose mission is to recruit and retain students from underrepresented groups within the geosciences.



*GRASP participants, summer 2008*

## Program

Students selected to participate in the GRASP program will assemble initially at Storm Peak Laboratory (SPL; <http://stormpeak.dri.edu/>), near Steamboat Springs, Colorado. SPL provides an ideal location for hands-on experiences in atmospheric science with a high-elevation location, exceptional instrumentation, and a staff of knowledgeable scientists and educators.

SPL allows students to work and live within its facilities providing an opportunity for



*View from Storm Peak Lab*

scientific exchange. While at SPL, students will work in small groups measuring atmospheric aerosols and trace gases with guidance of an individual instructor. Data collected will form the basis for continuing research projects that will address climate change and atmospheric pollution. Prior to arriving at SPL, students will travel to the National Center for Atmospheric Research (NCAR). At NCAR, students will learn about supercomputing, mathematical modeling,



*Asia, a summer 2008 GRASP participant, in C-130 airplane*

and scientific visualization followed by an opportunity to interact with students in another research program (SOARS; <http://www.soars.ucar.edu/>).

All GRASP participants will meet in Washington DC the following winter for a reunion workshop. During this workshop, students will present their results and attend lectures by leading atmospheric scientists. Extensive atmospheric science facilities available at Howard University and NASA Goddard will enable experience in remote sensing. The partnership between SPL and Howard University will give GRASP students exposure to both alpine and urban atmospheric science facilities.



*Washington DC*