## Recruitment of Diverse Students: Goals, Strategies, and Plans







## Education and Diversity Retreat August 2012

**CMMAP Diversity Goal:** 

Increase the number of diverse students pursuing graduate degrees in atmospheric science

#### Strategy:

Recruit, retain, and mentor students from underrepresented groups

### What are we doing?

Targeted recruitment at minority serving institutions Network with programs with like interests and goals Focus on multiple academic disciplines Attend professional societies annual meetings

## **CMMAP Summer Internship**

- Research experience
- Multidimensional mentoring
- •A supportive, inclusive community
- Professional development
- •Financial support

#### **Summer 2012**

I 3 undergraduate interns 38% from underrepresented groups









## After the internship... where do our interns go?

Bachelors programs: 24 Masters programs: 16 PhD programs: 9 Scientific workforce: 16

almost half of our interns are now graduate students

## one third are at CMMAP!!

Interns 2007-2012

#### **CMMAP Diversity Goal:**

Increase the number of diverse students pursuing graduate degrees in atmospheric science CMMAP Internship and our undergraduate Interns

## **Internship Diversity Goals**



The more diverse are interns are... the more likely we are to reach our CMMAP diversity goal

# How is CMMAP contributing to broadening participation in the Atmospheric Sciences?





## What's worked so far

#### Word of mouth

#### Talking with faculty from universities

#### **Holding informal sessions**

Past interns telling peers about their experiences

## What we'll continue to do

**Targeted recruitment at MSIs** 

**Target a small number of geographic areas** 

Network with programs with like interests, goals, and successful histories

### What's new

Recruiting Plans Current interns act as "intern ambassadors"

Hold recruiting sessions at past interns universities

Market the "types" of projects available based on past projects

### Potential visits for 2012-2013

**Elizabeth City State University Norfolk State University** 

**CUNY and SUNY schools** 

**Florida International University** 

**New Mexico State, Tech, and Highlands** 

**University of Texas El Paso** 

## Feedback from Mentors

#### What did you learn as a Faculty Mentor?

"It's key to find a project that the student wants to do ... I'm also routinely amazed about what the students can do with relatively little guidance from me so I'm learning to not micro-manage... Oh yeah, and weekly meetings/ regular communication are key."

#### What did your interns gain from the CMMAP experience? (mentor POV)

"My interns refined their research skills, particularly their ability to think about how to approach a research question. I think they also learned about how their research can be used in the "real" world and learned about working in a team environment to achieve mutual goals. <u>One of my interns told me that his experience was very helpful</u> in thinking about his future direction or at least what he doesn't want to do!"

#### What did you learn as a Faculty Mentor?

"I really <u>encouraged them both to have clearly defined goals</u>. This was a good exercise for myself and my graduate students. I also "preached" my elevator speech approach to talks and posters and we had at least two weeks of working on this. This really helps students focus on the goal of their research, as well as the prime result arising from their research. <u>All 4 of them showed tremendous</u> <u>improvement in this over the two weeks</u>. I only hope that it translated to their talks and to their posters this week."

#### What did your students learn who were the Grad Student Mentors?

"<u>This has been quite an eye opening experience for my graduate student</u>. He told me that he cannot believe how I advise 10 students – he has found it incredibly busy mentoring just one student. <u>My grad student has also had to learn to become more</u> <u>hands on in assisting students dealing with the details</u>. Overall I feel that he has done a very good job with his intern, has been very encouraging and has tried to steer him down the path of thinking more of the physics behind the results."

#### What did your interns gain from the CMMAP experience? (mentor POV)

"I feel that both of my interns have learned a little more about setting well-defined goals, elevator speeches, planning properly in order to conduct effective research, and to become a little more independent. " Feedback from Interns

## What did our interns gain from the CMMAP experience?



## **Andrea and Len**

# Questions?