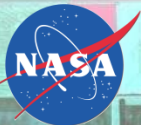


ND Space Grant Annual Affiliates Meeting

Bismarck - May 5, 2014

Santhosh Seelan
Director, ND NASA EPSCoR
Director, ND Space Grant
Chair, Department of Space Studies, UND

Caitlin Nolby
Coordinator, ND Space Grant



Welcome ND Space Grant Affiliates!

Williston State College



Dakota College at Bottineau



Dickinson State University



Turtle Mountain Community College



Fort Berthold Community College

Cankdeska Cikana Community College

Minot State University



Lake Region State College



Bismarck State College



Valley City State University



United Tribes Technical College



Mayville State University



Gateway to Science Center



North Dakota State College of Science



State Historical Society of ND (Heritage Center)



North Dakota State University



Sitting Bull College



Grand Forks Herald

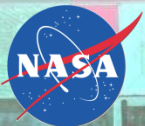
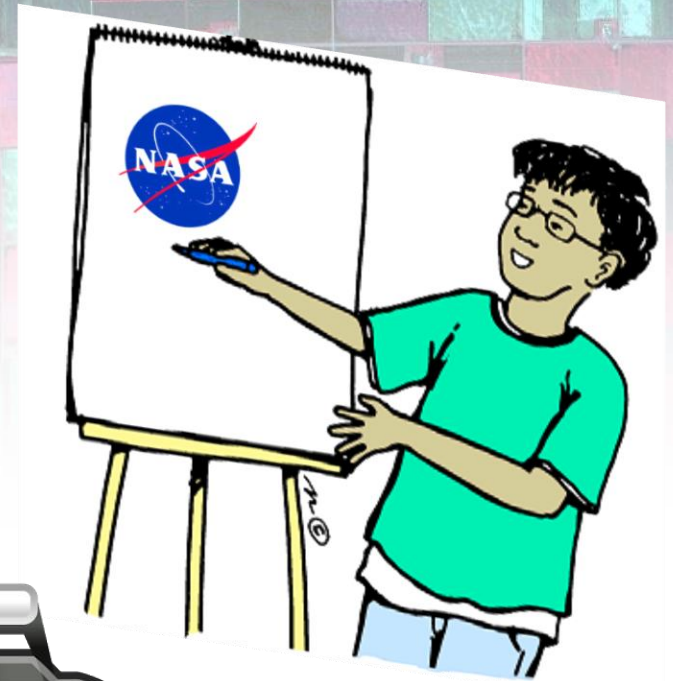


University of North Dakota



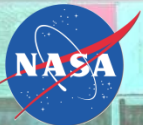
Agenda

- **9:15am** **Review of the Past Year**
- **9:35am** **Presentations**
- **10:15am** **Break**
- **10:40am** **Presentations**
- **11:50am** **Open Discussion**
- **12:50pm** **Group Picture**
- **1:00pm** **Lunch**
- **2:00pm** **Tour of Heritage Center**



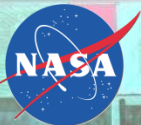
Purpose of Space Grant

- The NASA Space Grant Program is a national network that promotes science, technology, engineering and mathematics (STEM) education through cooperative and multidisciplinary programs while recruiting and training the workforce.
- The North Dakota NASA Space Grant Consortium fulfills the Space Grant mission by involving North Dakota faculty, students, and K-12 teachers and students from across the state.
- The NDSGC works in close coordination with North Dakota NASA EPSCoR to improve the environment for STEM education in North Dakota



2013 Highlights

- Base proposal (\$430,000) for FY 2013 submitted. Received funding from NASA
- No augmentation funds for FY 2013
- North Dakota was one of the forward funded states (\$430,000) for FY 2014
- Annual report for FY 2013 was submitted to NASA in April 2014



2013 Highlights continued...

- 83% of all students supported between 2006 and 2012 have taken the “next step”
- 8 research fellowships and 159 undergraduate scholarships were awarded (before additional \$3500 funds)
- *“My North Dakota Space Grant scholarship contributed to paying a part of my flight training, which allowed me to place more focus on my academics and career goal of becoming a Pilot.” (Submitted by David Kim, University of North Dakota, continuing education scholarship recipient transfer from Lake Region State College in 2013)*
- Six Research Focus Area awards were given out; five of these projects continued from the previous year
- Six GRAs and six tuition waivers were given
- Seven summer faculty fellowships were given
- Pre-service teacher workshops attended by 235 “soon to be” teachers



2013 Highlights - Summer Internships

- Four students were fully funded for NASA internships



Brian Badders - Ames

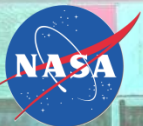


Michael Nies - Langley

Tiffany Swarmer - Johnson



Russell Young - Goddard



2012 Highlights – Travel Stipends

- Seven students received travel funding to present research at conferences



Joshua Borchart



Keith Crisman



Marissa Saad



Jonathan Schirali



Brian Badders



Josh Berk

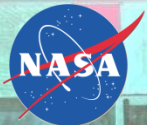


Corey Bergsrud



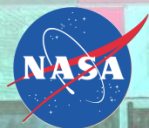
2013 Highlights continued...

- Three First Robotics teams were supported for the regional competition
- Northwood, Cando, West Fargo



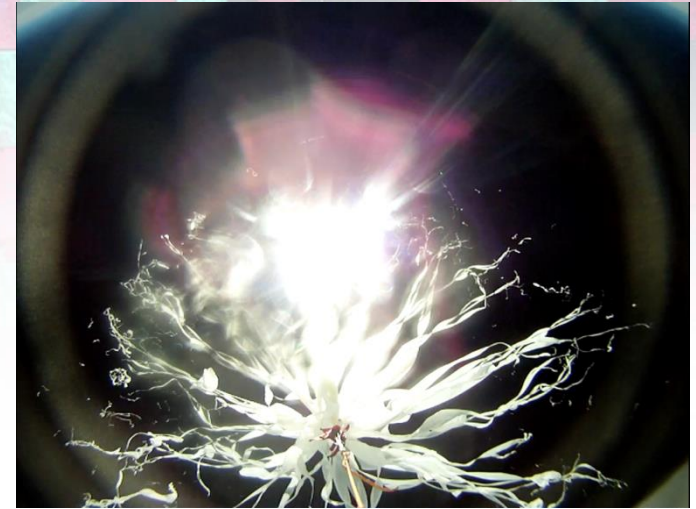
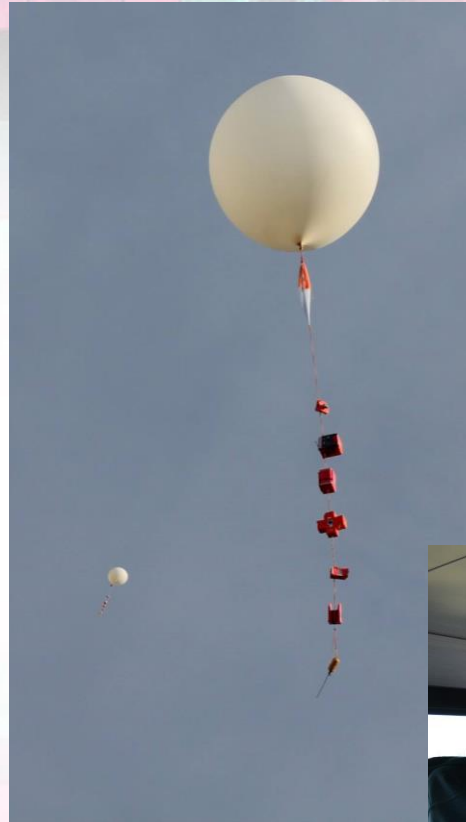
2013 Highlights continued...

- Student Team Competitions Supported:
- AIAA Design Build Fly
- USLI (Rocketry)
- HASP (Ballooning)
- Lunabotics



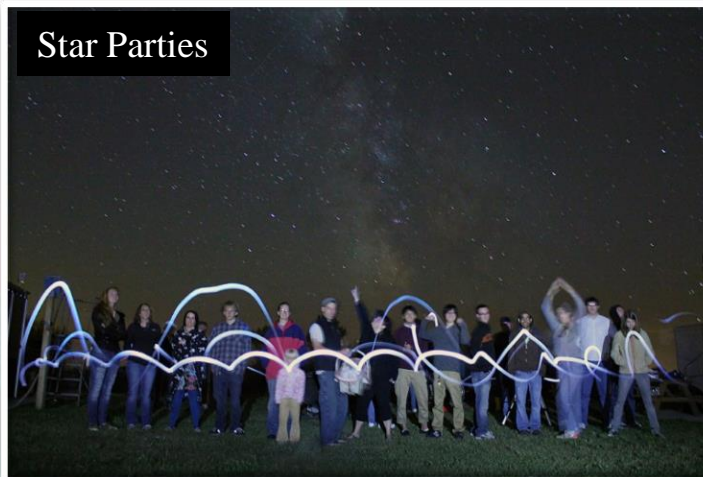
2013 Highlights continued...

- Valley Middle School Launch
- NSBC scheduled for May 10th
- Two more middle school launches



2013 Highlights - Outreach

- Space Camps
- Tours
- Mars Day
- Star Parties
- Classroom Visits

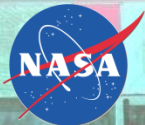


2012 Highlights continued...

- Attended annual national and regional meetings of Space Grant.

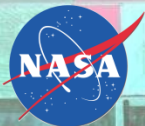


The New Aurora is out!



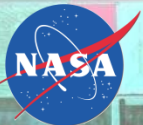
Our Major Budget Elements

- **Summer Faculty Fellowships**
- **Scholarships/Fellowships** (for 2013 we budgeted 110K and added another 50K from the state match funds, additional \$3500 to each institution)
- **GRAs and Tuition Waivers**
- **Student Travel Funding for Conferences**
- **Support for competitions**
- **RFA and projects such as UAS, HASP etc.**
- **Testing of the Lunar Spacesuit, Lunar Rover and Lunar Habitation Module in the fall**
- **Summer internships at NASA Centers**
- **Meetings and other administrative expenses**



Discussion

- 2014 – we have the same base funding. Nothing is known about the augmentation.
- 2015?
- The good news is, we have the ND State Match @ \$200,000 per year at least



Discussion

- Summer visits to affiliate centers
- Website and Social Media
- Pre-service workshops and Classroom Visits
- Outreach Project Funding
- Longitudinal tracking
- Potential New Affiliates
- Reimbursement information
- Next meeting



Thanks!

