Ironwood’s Scientific Ballooning Project

Maine Space Grant Annual Meeting

Thursday, Oct 14, 2010
Iron Sat

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1. What is Ironwood?
2. Why Ironwood?
3. How was ballooning fit into the schedule?
4. Description of students involvement.
5. What experience meant to students.
What is Ironwood?

Ironwood is a small residential high school on the side of Frye Mountain in rural mid-coast Maine. Other activities include: horseback riding, dog training, horticulture, and field trips to a variety of attractions in Maine. Education is individual and intense.
Why Scientific Ballooning at Ironwood?

- Relationship between Dr. Shehata and school directors
- Commitment of school directors to the project
- Teacher’s positive past experience with MSGC’s Jana Hall

Why Not?
Scheduling Ballooning Activities

- Individual academic programs and intensive morning academics lead to flexibility
- Suitable for a wide variety of science capability
- Commitment from management and other stakeholders
Student Involvement

Payload Design
Student Involvement

Payload Insulation
Scientific Ballooning

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Student Involvement

Soldering

Ironwood
Student Involvement

Launch Day - Inflation
Student Involvement

Launch Day - Release
Student Involvement

Predicted Track
What the Project Meant to Students
Where to Go from Here

Keep Reaching for the Stars!
Scientific Ballooning

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Want to know more?

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