

AIA& HMI E/PO Report

For period April – May 2006

By Deborah Scherrer

1. Science Fellows at Montana

Montana's new assessment person, Dr. Annelise Carleton-Hug, has started on the evaluation of the SPOT program. Joey Shapiro and Angela Des Jardins provided Annelise with up-to-date SPOT statistics.

The SPOT manager and graduate students have met to discuss team transition.

2. Science Fellow Service Learning Program at Stanford (*Partnership with Stanford's Haas Center for Public Service and the Stanford Solar Center*)

Although the Haas program has finished off with consistent attendance by the volunteers, this has been a rough year. Chief amongst the difficulties are challenges in working with the Boys and Girls Clubs -- the B&GC staff have wanted to have the program set up in a classroom scenario, but they haven't been able to make that happen. The mix of kids is too different each week to allow for the continuity needed for a "classroom program." Also, there is too much B&GC staff turnover and the Stanford students frequently had no staff in the room to help them with crowd control. Kelly Beck is considering changing the model to setting up brief stations each week that kids could choose to participate in.

Or, it might be a good time to move to a school environment. East Palo Alto High, owned and run by Stanford University, is still deemed too challenging to be able to be very effective. Belle Haven, a middle school, might be a better target. We will look into this.

Haas is currently recruiting for next year's paid mentors. They have 6 slots and already 2 applications. Kelly hopes to combine the Science Fellow training with that for Upward Bound in an event that would happen 2 days before the fall quarter starts.

3. Space Weather Monitors Program (*jointly funded by NSF/CISM and NASA/SOHO/MDI*)

Through SOHO/MDI funding, we are working with Chabot Space and Science Center on the development of teacher training and classroom materials to accompany the SID monitors. Master Teachers for high school and community college level are included in these efforts. By the end of the summer we hope to have a draft set of materials for our Master Teachers to test-run in their classrooms. After the materials

are adapted based on this alpha test, Chabot will work them into a 3-day-format Teacher Workshop which will be given and evaluated twice. By next summer the materials will be ready for wider dissemination and for adaptation to a web environment by Roberta Johnson at NCAR (through the CISM project).

We have completed our SID data pipeline and are currently receiving data from a handful of SID sites. This data is viewable online at:

<http://solar-center.stanford.edu/SID/data/>

Our chief engineer, Ray Mitchell, has developed software to display SID data in near-real-time on the user's machine. The software is in final testing with distribution expected next month.

Using SOHO/MDI funds we have shipped an AWESOME monitor to the American Association of Variable Star Observers, which has offered to assist us with monitor distribution and support during the IHY.

We have shipped 42 SID monitors, and have 10 outstanding orders waiting for delivery of our (backordered) DataQs. We continue to receive requests for AWESOME monitors but have no funding. However, an IHY site in Germany is attempting to purchase 5 AWESOMES with their own funds.

4. IHY Project

Funding for the IHY distribution of space weather monitors is still a major issue. We have worked through several rounds of budget proposals and Todd Hoeksema has drafted a Letter of Introduction to potential funding foundations asking for approximately \$1.75 million to distribute 5 SID monitors and 1 AWESOME monitor to each of the 191 countries (Montenegro may soon make 192) of the world.