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Sun Photometer Workshop, 1994-1995

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LTER Data Management Group <dman@lternet.edu>
Cc: Adrienne Whitener <awhitener@lternet.edu>
Subject: LTER/NASA Sun Photometer Workshop - The Plan.
Date: Wed, 16 Feb 1994 18:18:02 -0800 (PST)

Based on feedback from my last message, we have set the date for the LTER/NASA Sun Photometer Workshop as proposed. We will start the evening of March 18 (Friday) with full workshop on Saturday the 19th and Sunday the 20th. We will try to wrap things up by 3pm Sunday for flights out. I have already heard from the key sites for the first-year network (AND, NTL, BNZ, PAL, SEV, and MCM).

The workshop will start the evening of March 18 (Friday) and continue through Sunday, March 20. It will be held at the Sevilleta Research Site south of Albuquerque, NM. As discussed at previous workshops, this will be an informal meeting to discuss establishment of the Sun Photometer Network as well as to continue dialogue between LTER and NASA scientists.

There is some limited funding available from the supplemental proposal. As I mentioned before, I am suggesting the following to permit as many as possible to attend.

If you need travel assistance, please let me know at least by Email. This way I can plan the budget, and not have unused money. I have already heard from some people. So that NET can be direct-billed, please order tickets through Global Express at 800 448-2011. Mention the "LTER Photometer workshop at Sevilleta". You want to fly into Albuquerque International.

To simplify things, I am asking attendees to cover costs that NET cannot easily pay for - like food, airport parking, and car rentals - anything that you would need to submit a travel claim to the UW for. If you cannot handle this, let me know and I will try to cover travel expenses - but you probably know how fast UW is able to process these...

NET will cover the lodging costs at the Sevilleta station. The site is GREAT! - Lodging is basically a home away from home. Full cooking facilities - dishes and even microwaves. Linen and towels will be provided, you DON'T need sleeping bags...

Food is another matter! Eating will be however you want, but nothing provided (oh, ok- I will try to pick up some coffee and snacks). We will reserve ample time for lunches and dinner in town (so as to not miss NM cuisine). As mentioned, cooking facilities are provided, so you may want to make a food stop, at least for breakfasts.

Finally - Perhaps we can coordinate car rentals to save costs. Please Email your arrival/departure times, and I will let you know if there are common arrival times. We will coordinate airport returns during the meeting. I will send further information to attendees at a later date.

+++++Very preliminary agenda+++++
(or at least technical details to be covered)

LTER-NASA/EOS Sun Photometer Workshop-New Mexico

Friday Evening - March 18
8pm. Intitial discussion and workshop objectives.

-----Saturday March 19-----

Sun photometer background and overview of photometer network
Scientific Plan.
Automatic data collection
Automatic data transmission
Automatic data analysis
Photometer calibration

I. Sun Photometer--System concept
Assembly, Sensor head, Controller Box, Robot, and Power System

DCP--System concept
Power System, Integration of systems and data relay

II. Operation
Automatic Mode
Sun Photometer-Set Parameters
DCP-Set Parameters
Routine Maintenance
Instrument Health-emailed status reports
Manual mode
BCLSUN, PC Dump etc.
New Scenario
Software Upgrades

-----Sunday, March 20-----

III. Trouble shooting
Tracking, Transmission problems, Temp., Errors, wild robot, parking
BCLSUN off, Wet Sensor, Filter wheel, Filter Replacement

IV. Data Collection and Analysis
Maintaining Data Base
Parent-Daughter Systems
Maintaining Calibration
Examine Triplet Stability
Examine Langleys
Examine Time Dependence of V_o
Examine Wavelength Dependence
Sky and Sun Comparisons
Mountain Top and Sphere Calibrations

V. LTER/NASA Collaboration/Responsibilities
Goddard Responsibilities
Regular intercomparisons of photometers
Sphere Calibration
Spectral Filter Response Function
Archive Entire Data Base
Email status reports
Download data to daughter systems
LTER Responsibilities
Role of Network Office in coordination
Routine Mountain top Cal.
Provide Mtn. top cal to parent system
On site maintenance
Data management/archive

From: John Vande Castle <jvc@lternet.edu>
To: LTER GIS-Remote Sensing group <remote@lternet.edu>
Cc: LTER Principal Investigators <pi@lternet.edu>
Subject: Sun Photometer Workshop and RS/GIS/GPS committee
Date: Wed, 9 Feb 1994 18:37:05 -0800 (PST)

We are planning to have a training session for Sun Photometer use at SEV March 19 and 20 (a full 2 day workshop). Brent Holben and NASA people can make it that date, and lodging at SEV is open. Greg Shore has already indicated a conflict with his schedule (and the data isn't ideal for me) so if you or somebody you know wants to attend this workshop, and can't, please let me know NOW. At a minimum those using the instruments the first year should plan to attend (SEV, AND, NTL, BNZ, MCM, PAL). There is (very) minimal funding to assist with travel costs. If you are planning to attend, let me know and if you need travel assistance. I will have to prioritise the spending somehow, and will need to limit numbers (probably about 20). I will cover the costs of lodging at SEV, but hope attendees can cover their meals. We will eat lunch and dinner in town, and probably cook what we want for breakfast ourselves (more on this later).

At the recent LTER Executive meeting, it was suggested to form a more cohesive Remote Sensing/GIS/GPS committee within LTER. As part of this, it will be proposed to include funding for meetings as needed. We haven't had a full meeting (except for our current NASA focus) since the workshop John Aber put on back about 1989 - It is probably about time for a status check. Hopefully we will include funding in the FY95 budget for this as part of the new Network Office-NSF contract. I realize the difficulty there has been with lack of good funding for the past LTER/NASA workshops, and hopefully we can improve things in the future.

-jvc

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