

an account set up there. We will need access primarily to the machine "time.lternet.washington.edu" (This machine and "lternet.edu" will be open for your use after the workshop).

LTER/NASA Workshop Agenda

Purpose:

The primary objective of this workshop is to involve LTER scientists with use of sun photometer data for operational atmospheric correction of satellite remote sensing data. The main objective will be to use automated sun photometer data already collected to generate atmospheric corrections for Landsat-Thematic Mapper data. As a secondary objective, operational approaches involving NOAA-AVHRR satellite data, hand-held sun photometer data, and airborne datasets such as AVIRIS will be included. Although we will be focusing on operational aspects of atmospheric data corrections, "research applications" will not be ignored for their importance to more general application of the sun photometer data. In the following agenda, exact "times" are only approximate, to cover the necessary topics, leave time for questions, and permit "hands-on" use of the various software tools.

Day 0. June 24, 1995 - Travel Day.

Participants arriving prior to 1:05pm on Saturday will be met at the airport. If I/we miss you at the gate or baggage claim, assemble at the UNITED baggage claim area (northeast corner - your left facing the parking ramp). Those arriving at other times will have to use "Supershuttle" (just pick up a reservations phone when you arrive). If, at any time, you are lost, call me at 399-2511. From the airport we will go to the Silver Cloud Hotel. For those interested, we will then congregate at the Waterfront Activities Center (WAC) where you can rent a canoe, go for a walk or just sit and relax. From here we will go for a casual dinner nearby and then back to the hotel. Breakfast is provided at the hotel, and for those wanting to walk, it is a 15-20 min walk along the "Burke-Gilman Trail" (stay to one side...). The following agenda is meant as a guide only. We will modify it as needed to accomplish the items it contains.

Day 1. - Sunday, June 25, 1995

Atmospheric effects and remote sensing data: effects, theory and application:

8:15am - Van departs Hotel.

8:30am - Room 261 Bloedel. Logistics, Introduction, Objectives, Background. - John Vande Castle

9:00am - Introduction to sun photometer data - Brent Holben

10:30am - Break

11:00am - Data access/processing software and current data archive - Brent Holben

12:30pm - Lunch

1:30pm - Atmospheric correction "primer" - Eric Vermote.

3:00pm - Break

3:30pm - Data Correction Software - input, output and what it is doing

6:00pm - Salmon BBQ at JVC's (weather/logistics permitting)

Day 2: Monday June 26, 1995

Hands-on use of data access and correction software

8:30am - Introduction to LTER "NET" satellite and sun photometer data archive, and interface with data correction software - John Vande Castle
9:00am - Use of sun photometer data processing, and atmospheric data correction software - Brent Holben and Eric Vermote.
10:00am - Break
10:30am - Software use (continued)
11:30am - Current test data sets that are on-line for use, and data selection discussion.
12:30pm - Lunch
1:30pm - Site Presentations by participants - Interests in use of sun photometer and satellite data, including applications of corrected data (beyond corrections - applications planned for classification, NDVI, LAI etc.)
3:30pm - Break
4:00pm - Datasets - what we already have and what we need to get (discussion by participants)
6pm - Dinner at nearby restaurant

Day 3.

Tuesday, August 27, 1995 - Operational Aspects

8:30am - Discussion and prioritization of data yet to be acquired.
9:30am - Production of TM datasets
12:30pm - Lunch
1:30pm - Application, discussion of results and future plans
5:00pm - Adjourn

LTER/NASA Workshop Participants:

Phyllis Adams Site: BNZ
Institute of Northern Forestry
308 Tanana Drive
Fairbanks, AK 99775-5500
1 LTERnet address: PAdams@LTERnet.edu
E-Mail: pAdams@spruce.lter.alaska.edu
Phone: (907) 474-3310
FAX: (907) 474-3350

2 David W. Bolgrien Site: NTL
University of Wisconsin - Madison
1225 W. Dayton St. Rm. 1201
Madison, WI 53706-1695
LTERnet address: DBolgrien@LTERnet.edu
E-Mail: bolgrien@facstaff.wisc.edu
Phone: (608) 263-3266
FAX: (608) 262-5964
Organization(s): LTER

3 Warren B. Cohen Site: AND
USDA Forest Service
Forestry Sciences Lab
3200 SW Jefferson Way
Corvallis, OR 97331

LTERnet address: WCohen@LTERnet.edu
E-Mail: cohen@fsl.orst.edu
Phone: (503) 750-7322
FAX: (503) 750-7329

Gayle Dana Site: MCM
Desert Research Institute
University and Community College System of Nevada
7010 Dandini Boulevard (89512), PO Box 60220
Reno, NV 89506-0220

4
LTERnet address: GDana@LTERnet.edu
E-Mail: gdana@maxey.unr.edu
Phone: (702) 674-7538
: (702) 674-7539
FAX: (702) 673-7397

Organization(s): LTER

Doug Goodin Site: KNZ
Kansas State University
Department of Geography
Manhattan, KS 66506

5
LTERnet address: DGoodin@LTERnet.edu
E-Mail: dgoodin@ksu.ksu.edu
Phone: (913) 532-6727

Organization(s): LTER

Joshua Greenberg Site: NET
College of Forest Resources, AR-10
University of Washington
Seattle, WA 98195

6
LTERnet address: JGreenberg@LTERnet.edu
E-Mail: josh@debris.lternet.washington.edu
Phone: (206) 543-4512

Organization(s): LTER

Brent N. Holben
NASA
Goddard Space Flight Center
Mailstop 923.0
Greenbelt, MD 20771

7
LTERnet address: BHolben@LTERnet.edu
E-Mail: brent@kratmos.gsfc.nasa.gov
Phone: (301) 286-2975
FAX: (301) 286-1757

Organization(s): NASA

Mary Martin Site: HFR
University of New Hampshire
Complex Systems Research Center
Morse Hall
Durham, NH 03824

8
LTERnet address: MMartin@LTERnet.edu
E-Mail: mem@woody.unh.edu
Phone: (603) 862-4098

: (603) 862-3033
FAX: (603) 862-0188

Barbara Nolen Site: JRN
New Mexico State University
Department of Biology
Box 30001, Dept. 3AF
Las Cruces, NM 88003

9
LTERnet address: BNolen@LTERnet.edu
E-Mail: bNolen@nmsu.edu
Phone: (505) 646-4465
FAX: (505) 646-5665

Gregory A. Shore Site: SEV
University of New Mexico
Department of Biology
Biology Annex
Albuquerque, NM 87131

10
LTERnet address: GShore@LTERnet.edu
E-Mail: gShore@sevilleta.unm.edu
Phone: (505) 277-2109
FAX: (505) 277-0304

John R. Vande Castle Site: NET
LTER Network Manager
University of Washington
LTER Network Office
College of Forest Resources, AR-10
Seattle, WA 98195

11
LTERnet address: JVandeCastle@LTERnet.edu
E-Mail: jvc@lternet.edu
Phone: (206) 543-6249
FAX: (206) 543-7295

Dave Verbyla Site: BNZ
University of Alaska, Fairbanks
Department of Forest Sciences
Fairbanks, AK 99775

12
LTERnet address: DVerbyla@LTERnet.edu
E-Mail: dVerbyla@merlin.salrm.alaska.edu
Phone: (907) 474-6927
Organization(s): LTER

Eric Vermote
NASA Goddard Space Flight Center
Code 923
Room N8, Building 16W
Greenbelt, MD 20771

13
LTERnet address: EVermote@LTERnet.edu
E-Mail: eric@kratmos.gsfc.nasa.gov

Phone: (301) 286-6232
FAX: (301) 286-3221

Organization(s): NASA

Sally Westmoreland
Department of Geography
San Diego State University
San Diego, CA 92182-4493

14
LTERnet address: SWestmoreland@LTERnet.edu
E-Mail: sjw@photon.com
Phone:
FAX:

Randolph H. Wynne Site: NTL
UW-Madison Environmental Remote Sensing Center
Atmospheric, Oceanic, and Space Sciences, Rm 1249
1225 West Dayton Street
15
Madison, WI 53706-1695

LTERnet address: RWynne@LTERnet.edu
E-Mail: rhw@albert.ersc.wisc.edu
Phone: (608) 263-6584
FAX: (608) 262-5964