

DAY ONE: Thursday, October 13, 2005

Themes of the Day:

- Course Overview and Rationale
- The Oklahoma Mesonet: Oklahoma's Weather Network and Decision-Support Infrastructure

8:00 *Group A Departs from Residence Inn Lobby*
Residence Inn Shuttle

8:30 *Group B Departs from Residence Inn Lobby*
Residence Inn Shuttle

Location: Sarkeys Energy Center, Plaza Room C

9:00 *Registration*

9:30 – 10:00 *Welcomes and Introductions*
Dr. Renee McPherson, Acting Director, Oklahoma Climatological Survey (OCS)

10:00 – 10:45 *Orientation and Course Overview*
Mr. Mark Shafer, Director of Climate Information and Acting Director of Outreach, OCS

BREAK

11:00 – 12:00 *Experience from Past Disasters in the United States: A Review of Service Assessments*
Mr. Dale Morris, Manager of Emerging Outreach Programs, OCS

LUNCH (on your own)

1:30 – 2:00 *The Oklahoma Mesonet: Overview and Partnerships*
Dr. Renee McPherson

2:00 – 2:45 *The Oklahoma Mesonet: Communications Infrastructure*
Mr. Jared Bostic, Mesonet Operations Center, OCS

BREAK

3:00 – 4:00 *The Oklahoma Mesonet: Governmental and Community Support*
Dr. Kevin Kloesel, Assistant Dean, OU College of Geosciences and Member, Oklahoma Mesonet Steering Committee

4:00 – 4:45	<i>The Oklahoma Mesonet: Instrumentation and Calibration</i> Mr. David Grimsley, Senior Instrumentation Meteorologist, OCS
5:00	<i>Group A Departs</i> Residence Inn Shuttle
5:30	<i>Group B Departs</i> Residence Inn Shuttle

DAY TWO: Friday, October 14, 2005

Themes of the Day:

- The Oklahoma Mesonet (continued)
- The U.S. National Weather Service: Overview and Communications Strategies

8:00 *Meet at Residence Inn Lobby*

8:30 *Group A and Group B Depart from Residence Inn Lobby*
Red Carpet Shuttle

Location: Norman Mesonet Site, OU North Base

9:00 – 10:00 *Tour of Norman Mesonet Site*
Mr. Chris Fiebrich, Manager of the Oklahoma Mesonet, OCS

Location: Sarkeys Energy Center, Plaza Room C

10:15 – 10:45 *Tour of Mesonet Calibration Laboratory*
Mr. David Grimsley

10:45 – 11:15 *The Oklahoma Mesonet: Quality Assurance*
Mr. Chris Fiebrich

11:15 – 11:45 *The Oklahoma Mesonet: Processing and Product Generation*
Mr. Michael Wolfenbarger, Director of Technology, OCS

LUNCH

1:30 – 2:00 *Mesonet End-User Software*
Mr. Michael Wolfenbarger

2:00 – 3:00 *The OK-FIRST Program: An All-Hazards Decision-Support System
for Emergency Management*
Mr. Dale Morris
Mr. Derek Arndt, Acting State Climatologist for the State of Oklahoma

3:00 *Group A and Group B Depart from Energy Center*
Red Carpet Shuttle

**Location: National Severe Storms Laboratory/Storm Prediction Center
and NWS Forecast Office**

3:30 – 4:00	<i>An Overview of the U.S. National Weather Service</i> Dr. Phillip Bothwell, Senior Development Meteorologist, NWS/NCEP/Storm Prediction Center Mr. Rick Smith, Warning Coordination Meteorologist, NWS Norman
4:00 – 4:15	<i>Tour of Storm Prediction Center</i>
4:15 – 5:00	<i>Communications Strategies of the NWS: Amateur Radio, NOAA Weather Radio, and the Emergency Alert System</i> Mr. Rick Smith
5:00 – 6:00	<i>Tour of Weather Forecast Office and Balloon Launch</i>
6:00	<i>Group A and Group B Depart</i> Red Carpet Shuttle

DAY THREE: Saturday, October 15, 2005

Themes of the Day:

- Local Attractions: Cowboy Hall of Fame and Oklahoma City Bombing Memorial and Museum

8:30 *Meet at Residence Inn Lobby*

9:00 *Group A and Group B Depart from Residence Inn Lobby*
Red Carpet Shuttle

9:45 – 12:00 *National Cowboy and Western Heritage Museum*

LUNCH

1:30 – 3:30 *Oklahoma City National Memorial*

SHOPPING *Group A and Group B Depart at 5:30 p.m.*
Red Carpet Shuttle

DAY FOUR: Monday, October 17, 2005

Themes of the Day:

- Human Factors and the Response to Significant Events
- Meteorological Context of Disasters

7:45 *Meet at Residence Inn Lobby*

8:00 *Group A and Group B Depart from Residence Inn Lobby*
Red Carpet Shuttle

8:30 – 9:30 *Tour of Moore Emergency Operations Center (EOC)*
Mr. Gayland Kitch, Director of Communications and Emergency Management,
City of Moore

Location: Sarkeys Energy Center, Plaza Rooms B & C

10:00 – 12:00	<i>Basic Meteorology</i> Dr. Kevin Kloesel Plaza Room C	<i>Situation Awareness</i> Ms. Jami Boettcher, Instructor NWS Warning Decision Training Branch Plaza Room B
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LUNCH

Location: Sarkeys Energy Center, Plaza Room C

1:30 – 2:45 *Drought Monitoring and Fire Weather*
Mr. Derek Arndt

BREAK

3:00 – 3:30 *Significant Event Management*
Mr. David Andra, Science and Operations Officer,
National Weather Service Forecast Office -- Norman

3:30 – 5:00 *The General Circulation and Tropical Meteorology*
Dr. Kevin Kloesel

5:00 *Group A and Group B Depart*
Red Carpet Shuttle

DAY FIVE: Tuesday, October 18, 2005

Theme of the Day:

- Floods, Droughts, and Monsoons
- Remote Sensing Technologies and Applications to Disaster Management

7:45 *Meet at Residence Inn Lobby*

8:00 *Group A and Group B Depart from Residence Inn Lobby*
Airport Express Shuttle (3 vans)

Location: Sarkeys Energy Center, Plaza Room C

8:30 – 9:00 *Overview of the National Weather Center*
Dr. John Snow, Dean, College of Geosciences

9:00 – 10:15 *Societal and Meteorological Aspects of Floods*
Mr. Dale Morris

BREAK

10:30 – 12:00 *Floods and Drought in the Sahel*
Dr. Aondover Tarhule, Assistant Professor, Department of Geography

LUNCH

1:15 – 2:45 *Introduction to Radar Meteorology*
Mr. Dale Morris

BREAK

3:00 – 5:30 *Computer Lab: Case Studies & Computer Tools*
Ms. Andrea Melvin, Ms. Loren Gmachl, Mr. Andrew Reader

5:30 *Group A and Group B Depart*
Airport Express Shuttle (3 Vans)

DAY SIX: Wednesday, October 19, 2005

Theme of the Day:

- Remote Sensing Technologies and Applications to Disaster Management
- Floods, Droughts, and Monsoons (continued)

8:00 *Group B Departs from Residence Inn Lobby*
Residence Inn Shuttle

8:30 *Group A Departs from Residence Inn Lobby*
Residence Inn Shuttle

Location: Sarkeys Energy Center, Plaza Room C

9:00 – 10:00 *Satellite Meteorology*
Mr. Derek Arndt

BREAK

10:30 – 12:00 *Assessing Vulnerability to Disasters: Using Geographic Information
Science and Remote Sensing Tools*
Dr. Tarek Rashed, Assistant Professor, Department of Geography

LUNCH

1:15 – 2:30 *Climate Variability: West African Drought and Monsoons*
Dr. Peter Lamb, Director,
Cooperative Institute for Mesoscale Meteorological Studies

2:30 *Group B Departs from Energy Center*
Residence Inn Shuttle

3:00 *Group A Departs from Energy Center*
Residence Inn Shuttle

3:15 – 5:00 *Tour of the Sam Noble Oklahoma Museum of Natural History*

Location: Commons Restaurant, OCCE

Time To Be
Determined *Dinner/Reception (Joint with CIMMS Regional Climate
Prediction and Applications Workshop Participants)*

Remarks
Ambassador Edward J. Perkins

Group B Departs from Energy Center
Residence Inn Shuttle

Group A Departs from Energy Center
Residence Inn Shuttle

DAY SEVEN: Thursday, October 20, 2005

Themes of the Day:

- Broadcast Media
- State Emergency Management

7:45 *Meet at Residence Inn Lobby*

8:00 *Group A and Group B Depart from Residence Inn Lobby*
Red Carpet Shuttle

Location: Sarkeys Energy Center, Plaza Room C

8:30 – 9:00 *Broadcast Media Operations: Tools of the Trade*
Mr. Dale Morris

9:00 *Group A and B Depart for Oklahoma City*

9:45 – 11:30 *Tour of KWTW, Channel 9 (CBS)*
Mr. Jed Castles, Meteorologist, KWTW

LUNCH

1:00 – 1:45 *Tour of Oklahoma State Emergency Operations Center*
Mr. Paul Spencer, EOC Manager, Oklahoma Department of Emergency
Management

1:45 *Group A and B Return to Norman*

2:30 – 3:30 *Research Applications for Emergency and Disaster Management*
Dr. Jeff Basara, Director of Research, OCS

3:30 – 5:00 *Tour of Fred Jones, Jr. Museum of Art*

5:00 *Group A and Group B Depart*
Red Carpet Shuttle

DAY EIGHT: Friday, October 21, 2005

Themes of the Day:

- Forecasting
- Course Wrap-Up

- 8:00 *Group A Departs from Residence Inn Lobby*
Residence Inn Shuttle
- 8:30 *Group A Departs from Residence Inn Lobby*
Residence Inn Shuttle
- 9:00 – 9:45 *Tour of Weathernews Americas*
Mr. Rob Doornbas, Director, Strategic Technologies and Data Services,
Weathernews Americas, Inc.
- 9:45 *Group A Departs*
Residence Inn Shuttle
- 10:15 *Group B Departs*
Residence Inn Shuttle

Location: Sarkeys Energy Center, Plaza Room C

- 10:30 – 12:00 *Numerical Weather Prediction*
Dr. David Stensrud
National Severe Storms Laboratory
- LUNCH
- 1:30 – 3:00 *Weather Odds & Ends and open Q&A*
Mr. Dale Morris
- BREAK
- 3:30 – 4:00 *Course Wrap-Up and Graduation*
Dr. Renee McPherson
- 4:00 *Group A Departs from Energy Center*
Residence Inn Shuttle
- 4:30 *Group B Departs from Residence Inn Lobby*
Residence Inn Shuttle