

SECAPS AGENDA

John Counts Room – Mitchell Center
University of South Alabama

Friday, April 8, 2005

5:00 pm – 5:30 pm On-Site Registration

5:30 pm – 5:40 pm Welcome
Dr. Bill Williams and Chris Dyke

Session One – University and Government Collaboration
(Session Chair – Dr. Sytske Kimball, University of South Alabama)

5:40 pm – 6:00 pm 2002 – 2004, WFO HUNTSVILLE - A 21ST CENTURY
NATIONAL WEATHER SERVICE OFFICE
John Gordon – National Weather Service, Louisville, KY

6:00 pm – 6:20 pm THE UNIVERSITY OF SOUTH ALABAMA AND
NATIONAL WEATHER SERVICE MESONET
COLLABORATION
Dr. Sytske Kimball – University of South Alabama
Jeffrey Medlin – National Weather Service, Mobile, AL

6:20 pm – 6:40 pm THE FIRST YEAR OF THE MISSISSIPPI MESONET
Dr. Loren White – Jackson State University

6:40 pm – 7:00 pm USES OF METEOROLOGY IN THE
TENNESSEE VALLEY AUTHORITY
Jennifer Call – Tennessee Valley Authority

7:00 pm – 7:15 pm Break with Refreshments and Hors d'oeuvres

Keynote Address

7:15 pm – 8:00 pm ATTACKING THE HURRICANE INTENSITY AND
HEAVY RAIN FORECAST PROBLEM
Dr. Frank Marks – Director, Hurricane Research Division

SECAPS MIXER

8:00 pm – 9:00 pm Refreshments and Hors d'oeuvres

Saturday, April 9, 2005

7:30 am – 8:20 am On-Site Registration/Coffee and Pastries

8:20 am – 8:30 am Welcome

Session Two – Severe Weather

(Session Chair – Jeffrey M. Medlin, National Weather Service, Mobile, AL)

8:30 am – 8:50 am MINI-SUPERCELL EVENT OF 23 OCTOBER 2004
IN THE MEMPHIS COUNTY WARNING AREA
Jason Beaman – National Weather Service, Memphis, TN

8:50 am – 9:10 am WHERE’S WALDO? IDENTIFYING THE
RELATIONSHIP BETWEEN RADAR VELOCITY
SIGNATURES AND TORNADO LOCATIONS
Brian Peters – Alabama SKYWARN Foundation, Inc

9:10 am – 9:30 am A THERMODYNAMIC INVESTIGATION OF THE
EARLY AFTERNOON WET MICROBURST PRE-
STORM ENVIRONMENT OVER THE EXTREME
NORTHWEST PANHANDLE AND SOUTH CENTRAL
ALABAMA
Jeffrey Medlin – National Weather Service, Mobile, AL
Jack Cullen – National Weather Service, Mobile, AL

9:30 am – 9:50 am THE UTILITY OF TOTAL LIGHTNING DATA IN
OPERATIONAL METEOROLOGY
Patrick Gatlin – National Weather Service, Huntsville, AL

9:50 am – 10:00 am BREAK

Session Three – Coastal and Tropical Weather

(Session Chair – Dr. Keith Blackwell, University of South Alabama)

10:00 am – 10:20 am METEOROLOGICAL DROUGHT IN THE
APALACHICOLA-CHATTAHOOCHEE-FLINT
RIVER BASIN: HISTORICAL PERSPECTIVES
Dr. Paul Ruscher – Florida State University

10:20 am – 10:40 am APPLICATIONS OF LAND SURFACE DATA
ASSIMILATION TO SIMULATIONS OF SEA
BREEZE CIRCULATIONS
Scott M. Mackaro – University of Alabama-Huntsville

10:40 am – 11:10 am

COLLAPSING PRECIPITATION CORES IN OPEN-EYEWALL HURRICANES AT LANDFALL:
COULD THESE DOWNBURSTS BE ASSOCIATED
WITH EXTREME SURFACE WIND GUSTS?

Dr. Keith Blackwell – University of South Alabama

**Session Four – Featured Speaker on the National Weather Service
(Session Chair – Dr. Bill Williams, University of South Alabama)**

11:10 am – 11:40 am

YOUR LOCAL NATIONAL WEATHER SERVICE
FORECAST OFFICE SAVES LIVES!

*Bill Proenza – Director, National Weather Service,
Southern Region*

11:40 am – 1:00 pm

LUNCH (ON YOUR OWN)

**Session Five – Poster Session
(Session Chair – Gina Wade, University of South Alabama)**

1:00 pm – 1:30 pm

CENTRAL BALDWIN COUNTY TORNADOES OF
NOVEMBER 27, 2004

*Jeff Garmon and Joe Maniscalco
National Weather Service, Mobile, AL*

AN OVERVIEW OF HURRICANE IVAN

*Gary Beeler and Jack Cullen
National Weather Service, Mobile, AL*

AN OBSERVATIONAL ANALYSIS OF AN ALABAMA
DRYLINE EVENT ON MARCH 19-20, 2003

B J Barbre' – University of Alabama-Huntsville

PHASED-ARRAY RADAR: DESIGN AND
OPERATIONAL ADVANTAGES FOR
METEOROLOGICAL APPLICATIONS

Daniel Veren – University of South Alabama

A COMPARATIVE STUDY OF UNITED STATES VS.
INTERNATIONAL ENVIRONMENTAL POLICY

Chris Dyke – University of South Alabama

AN OVERVIEW OF THE USA STUDENT AMS
CHAPTER ACTIVITIES OVER THE PAST YEAR

**Session Six – Public Session on the 2004 Hurricane Season
with Focus on Hurricane Ivan
(Session Chair – University of South Alabama Chapter of the American
Meteorological Society)**

- 1:30 pm – 2:00 pm THE AIR FORCE RESERVE HURRICANE HUNTERS
TROPICAL CYCLONE MISSIONS AND THE 2004
HURRICANE SEASON
*Major John Gordon – Hurricane Hunters
Keesler Air Force Base, Biloxi, MS*
- 2:00 pm – 2:30 pm BROADCAST MEDIA PERSPECTIVE ON
HURRICANE IVAN
*David Glenn – Chief Meteorologist, WPXI – TV,
Mobile, AL*
- 2:30 pm – 3:00 pm SATELLITE AND RADAR IMAGERY MOVIES OF
ATLANTIC HURRICANE SEASONS ON DVD
*Donovan Landreneau – National Weather Service,
Lake Charles, LA*
- 3:00 pm – 3:10 pm BREAK
- 3:10 pm – 3:30 pm A LOCAL FORECAST OFFICE PERSPECTIVE ON
HURRICANE IVAN
*Gary Beeler – National Weather Service, Mobile, AL
Jack Cullen – National Weather Service, Mobile, AL*
- 3:30 pm – 3:55 pm HURRICANE IVAN – FACE-TO-FACE ENCOUNTERS
IN THE AIR AND ON THE GROUND
Brian Peters – ABC 33/40 Birmingham, AL
- 3:55 pm – 4:25 pm STORM CHASER PERSPECTIVE ON HURRICANE
IVAN AND THE 2004 HURRICANE SEASON
Jim Leonard – Storm Chaser/Photographer
- 4:25 pm – 4:30 pm **CLOSING REMARKS**