

# AMS SHORT COURSE: STATISTICAL ANALYSIS OF WEATHER AND CLIMATE EXTREMES

2 FEBRUARY 2014

GEORGIA WORLD CONGRESS CENTER

ATLANTA, GA

## ORGANIZERS

Eric Gilleland and Richard W. Katz

## AMS COMMITTEE ON PROBABILITY AND STATISTICS

Barbara G. Brown, Chair

Barbara Casati, Dan Collins, Brian Etherton, Eric Gilleland,  
Bob Glahn, Simon Mason, Adam M. Monahan, Scott Sellars and Daniel S. Wilks

## PROGRAM (Room C202)

8:30 AM.	<b>ARRIVAL AND INTRODUCTIONS.</b> Eric Gilleland, NCAR, Boulder, CO	1:30 P.M.	<b>HANDS-ON TUTORIAL: PERFORMING EXTREME VALUE ANALYSIS IN R.</b> Eric Gilleland
9:00 A.M.	<b>INTRODUCTION TO R.</b> Eric Gilleland	2:30 P.M.	<b>LECTURE: APPLIED EXTREME VALUE PROBLEMS SPECIFIC TO ATMOSPHERIC STUDIES.</b> Michael Wehner, Lawrence Berkeley National Laboratory, Berkeley, CA
10:00 A.M.	<b>COFFEE BREAK</b>	3:00 P.M.	<b>COFFEE BREAK</b>
10:30 A.M.	<b>LECTURE/TUTORIAL: EXTREME VALUE ANALYSIS.</b> Richard W. Katz, NCAR, Boulder, CO	3:30 P.M.	<b>CONTINUATION OF HANDS-ON EXERCISES</b>
11:30 A.M.	<b>EXERCISES IN EXTREME VALUE ANALYSIS APPLIED TO ATMOSPHERIC SCIENCE AND DISCUSSION.</b>	4:30 P.M.	<b>SHORT COURSE FINAL WRAP UP &amp; COURSE ADJOURNS</b>
12:00 P.M.	<b>BREAK FOR LUNCH (STUDENTS ON OWN)</b>		