

WELCOME!

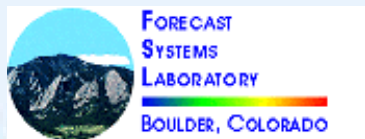
To the Verification Workshop



Workshop on Making Verification More Meaningful

How did this workshop “happen”?

- Verification of aviation forecasts
 - *Non-systematic, biased observations*
 - *3-D gridded forecasts*
 - *Scaling questions, matching forecasts and observations*
 - *Need for approaches that are operationally meaningful*
- We need help!!



“Forecast verification (i.e., the quantitative assessment of forecast quality) is an essential component of any weather forecasting system.

Information concerning the quality of forecasts is needed... to monitor forecast performance and by so-called “end-users” to make the best possible decisions.

Yet, forecast verification procedures currently in place... are quite primitive (from a methodological point of view) and generally fail to meet these fundamental information needs in a satisfactory manner.”

--A.H. Murphy, April 1990

“Making a weather forecast is like conducting an experiment. One measures the initial conditions and sets up a hypothesis as to the outcome. To omit verification is comparable to conducting an experiment without learning the result.”

“...there is a pressing need for verification systems which compare forecasts with subsequent weather in a useful way...”

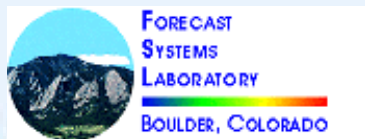
--R. A. Allen; BAMS, 1952

“...the ‘best’ forecast according to an accepted system of arbitrary scores may not be the most useful forecast.”

--G. W. Brier; BAMS, 1952

Some of the current issues...

- How to deal with observations (good, bad, gridded, points...)
- Can more “meaningful” approaches be developed?
 - *For Modelers? Forecasters? End-users?*
- Verification of finer scale models and ensemble forecasts – how should methods change?



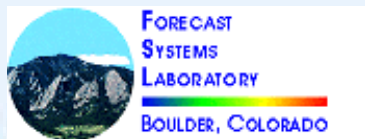
Goals for the workshop...

- Solve some of the problems!!
 - *Or at least come up with some approaches to be investigated*
- Develop new collaborations
- Learn from experiences of others
- Identify areas where future work will be most productive



Objectives

- Invited and contributed presentations
 - *8 invited talks*
 - *19 contributed talks*
 - *10 poster presentations*
- Discussions!
- Working group discussions
- Panel/group discussion



The Workshop Team

- Jennifer Mahoney
- Barb Brown
- Agnes Takacs
- Tressa Fowler
- Inger Gallo
- Inger Gallo
- Carol Park
- Cherie Adams
- Jamie Braid
- Plus others...



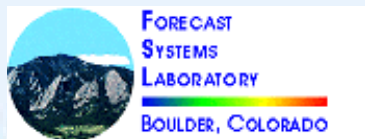
Thanks to...

- FAA Aviation Weather Research Program
- NCAR
- FSL
- Invited speakers
- Contributed presenters
- Computer and A/V support folks
- All of you!



Logistics

- Building layout...
- Breaks and lunch
- Presentation files
- Poster session and reception – TODAY in Cafeteria atrium
 - *End of the day today (~5:30 - ~7:00)*
 - *Set up posters during afternoon coffee break*



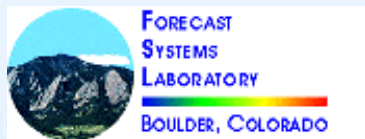
Logistics cont.

- Shakespeare (Wed) – see Tressa Fowler
- Barbecue/picnic (Thurs) – see Carol Park
- Restaurant list



Logistics cont.

- Abstract booklet
 - *Abstracts organized by last name of speaker*
- Information folder
 - *Maps: Shakespeare, North Boulder Park*
 - *Program*
 - *Working group guidelines and suggested questions*



Program

- Plenary sessions
- Working group sessions
 - *Wednesday afternoon and Thursday morning*
 - *4 groups – can choose to participate in two*
- Working group presentations (Thurs pm)
- Panel discussion (Thurs pm)
 - *What are some difficult questions or issues in verification that you'd like to see addressed?*

