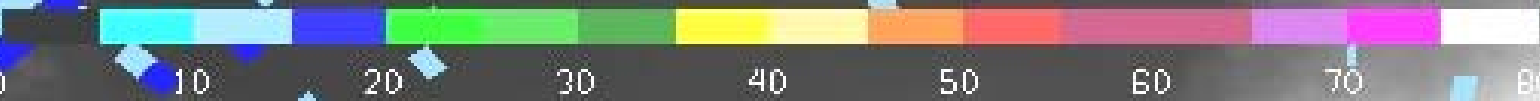


# using IDV for experimental data analysis

Bart Geerts, J. Cory Demko and Larry Oolman  
University of Wyoming

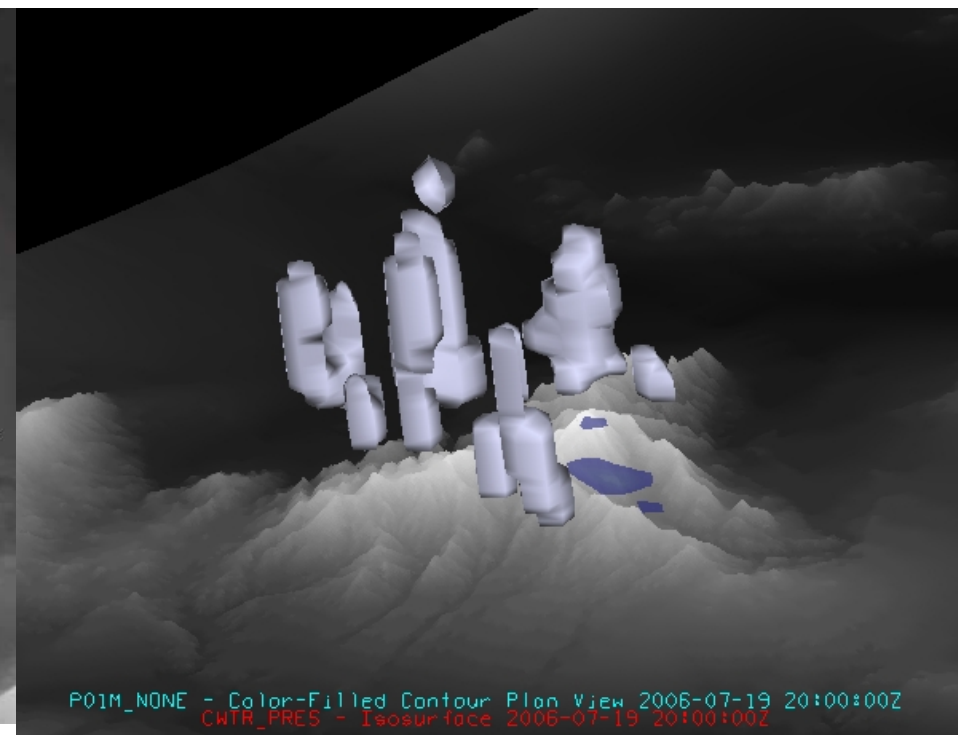
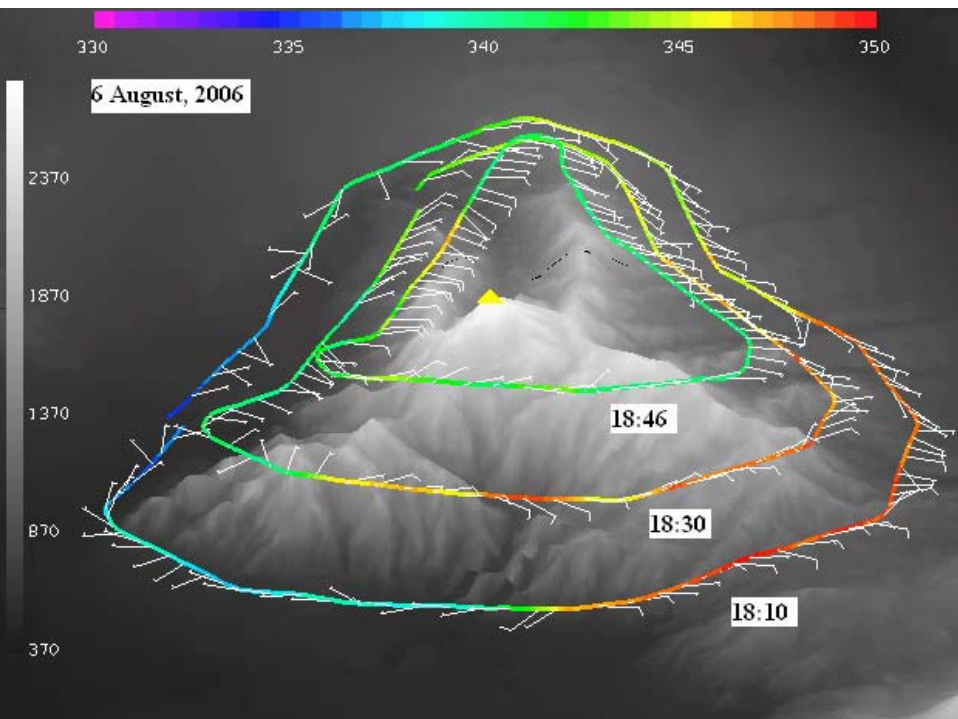


# use of IDV in field campaigns

- supports a large array of data types and data formats
    - including from diverse experimental sources
  - multiple data types can easily be overlaid
  - superb for 4D visualization & nowcasting
  - very responsive development team
  - → excellent real-time field management support tool
- 

# use of IDV as research tool

- great for initial data exploration
- becoming an increasingly powerful tool for in-depth data analysis and preparation of publication-quality products



# use of IDV in atmospheric science education

- great visualization tool
  - 3D looks of jet streams, thunderstorms, isentropic surfaces, conical radar scans ...
- easy-to-use compared to other packages (gempak, wxp, GrADS, bufrkit ...)
- has not supplanted gempak for in-depth synoptic analysis
  - lacks a history of diagnostic function development

