using IDV for experimental data analysis

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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

• \(\rightarrow\) 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, bufkit ...)
- has not supplanted gempak for in-depth synoptic analysis
  - lacks a history of diagnostic function development