

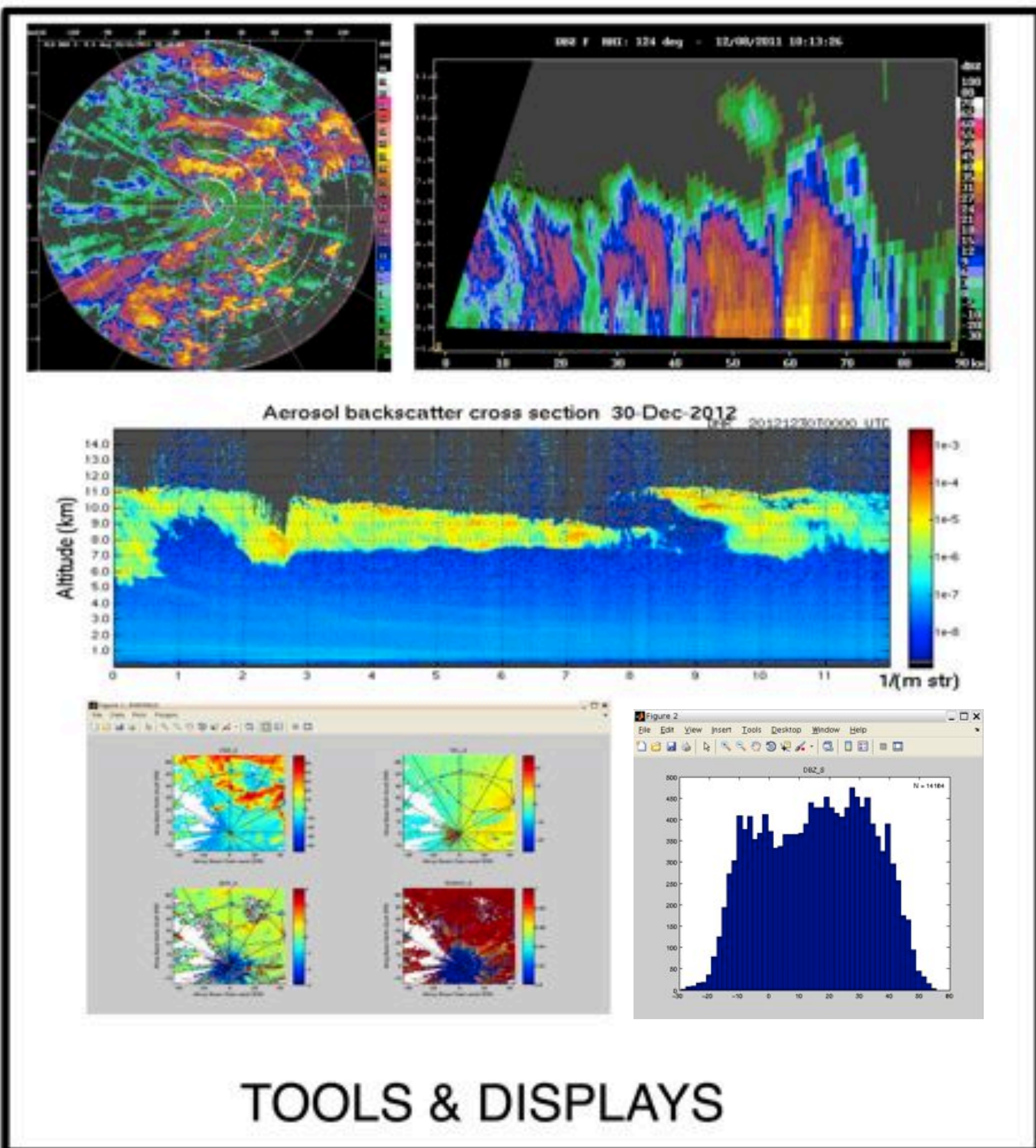
Cf/Radial - A Radar and Lidar Data Format for Data Providers, End Users, and Tool Providers

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Cf/Radial is a modern standard data format for radar/lidar data along with tools to read, write, convert, analyze and display radial data. Cf/Radial supports scanning or staring, airborne, mobile and stationary instruments.



END USERS

NIMA wind profiler moments & winds estimation
 AP detection and removal
 Vertically Integrated Liquid (VIL)
 Particle Identification
 Precipitation rate
 Velocity De-aliasing
 Multiple-radar doppler synthesis
ALGORITHMS

What is Cf/Radial?

- * CF - Climate & Forecasting conventions
 - compatible with numeric models & analysis tools.
- * netCDF format
- * supports compression
- * supports multiple operating systems & computer architectures
- * extends CF for radial radar/lidar data
- * new standard units: dB,dBm, dBZ
- * new standard names

Current Users of Cf/Radial:

- * NCAR
- * NOAA/NSSL
- * UNIDATA
- * EEC & Pro Sensing (radar vendors)
- * DOE/ARM
- * Various universities

Available Tools and Language support:

- RadX Library (C++ library)
- RadXPrint
- RadXConvert : CfRadial, DORADE, UF, Foray1, NEXRAD level 2 archive, SIGMET raw
- RadXMergeFields
- Solo3 radar display/editing tool (under development)
- Python display tool (under development)
- Matlab display tool (under development)