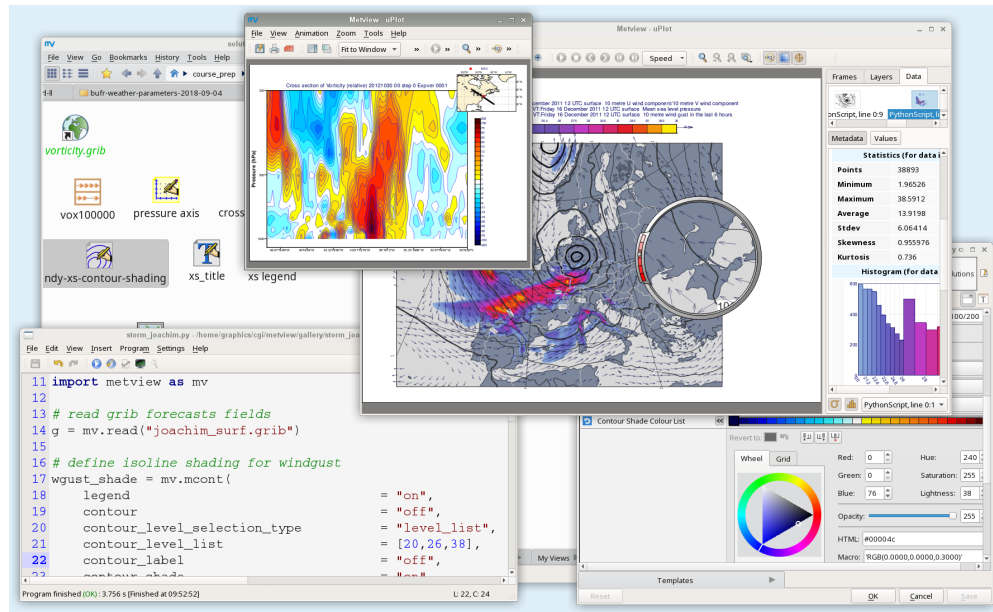


Metview

What is Metview



Metview is a meteorological workstation application designed to be a complete working environment for both the operational and research meteorologist. Its capabilities include powerful data access, processing and visualisation.

It features a powerful icon-based user interface for interactive work, a bespoke [scripting language](#) (Macro) and a [Python interface](#) for batch processing with integrated support for plots within Jupyter notebooks. These are linked through the ability to automatically convert icons into their equivalent script (Macro/Python) code.



Metview can take input data from a variety of sources, including:

- [GRIB](#) files (editions 1 and 2)
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- MARS (ECMWF's meteorological archive)
- [ODB](#) (Observation Database)
- Local databases
- [ASCII data files](#) (CSV, grids and scattered data)
- [Geopoints](#) (Metview's own format for handling scattered data)
- [NetCDF](#)

Powerful data filtering and processing facilities are then available, and if graphics output is desired, then Metview can produce many plot types, including:

- map views in various projections
- cross sections
- vertical profiles
- x/y graph plots
- intelligent overlay of data from various sources on the same map
- arrangement of multiple plots on the same page

Metview can also interface with external models and applications, such as [VAPOR](#), [Met3D](#), [FLEXTRA](#) and [FLEXPART](#).

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Report a bug or issue

Please send an email to software.support@ecmwf.int or go to [Issues](#) if you have any suggestions for improvements or have discovered a bug with this software package

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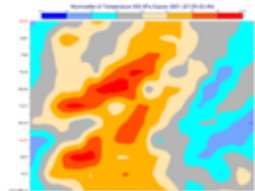
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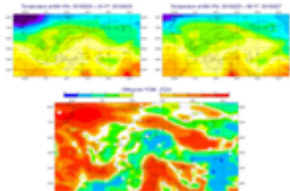
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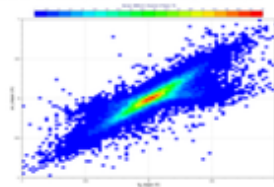
Hovmoeller Area Average Example



Layout3 Example



ODB scatterplot with binning Example

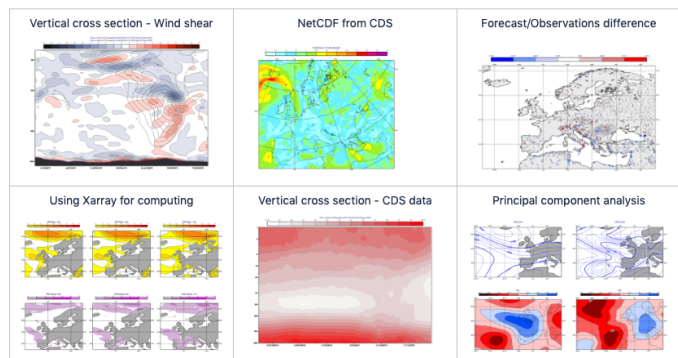


Difference Contouring Metview 4 Example



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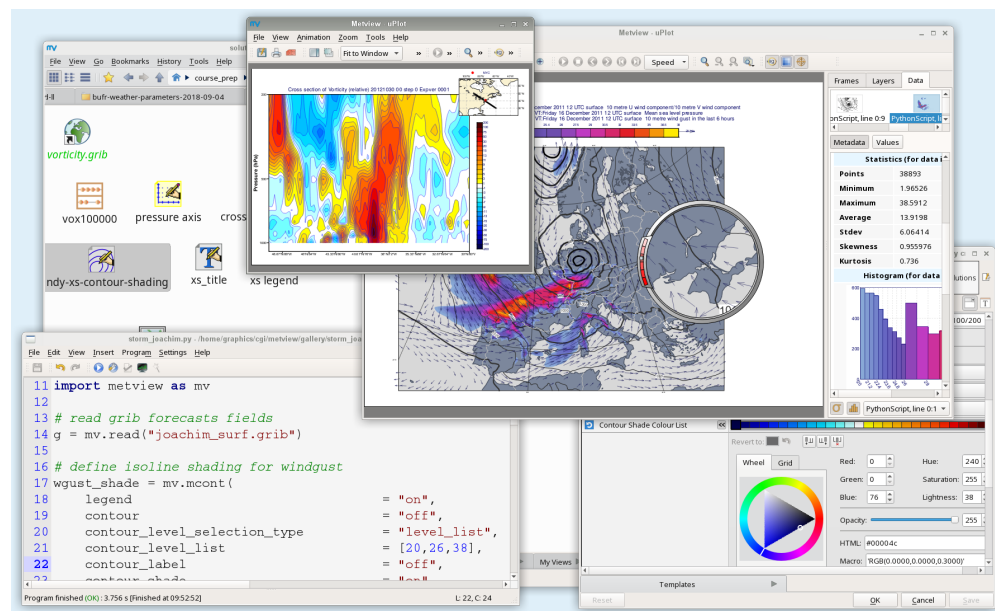
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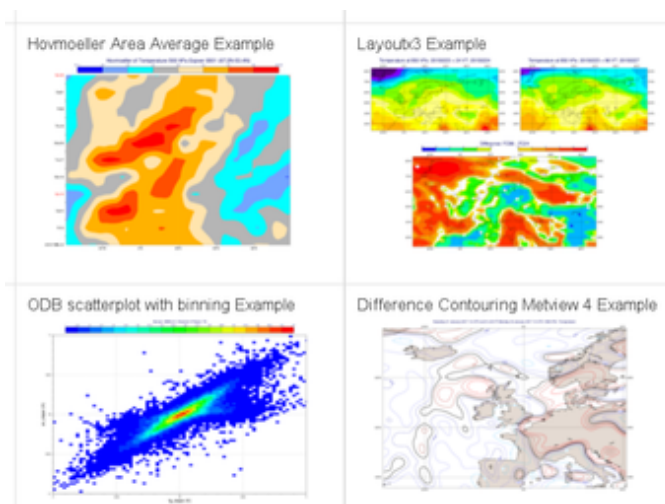
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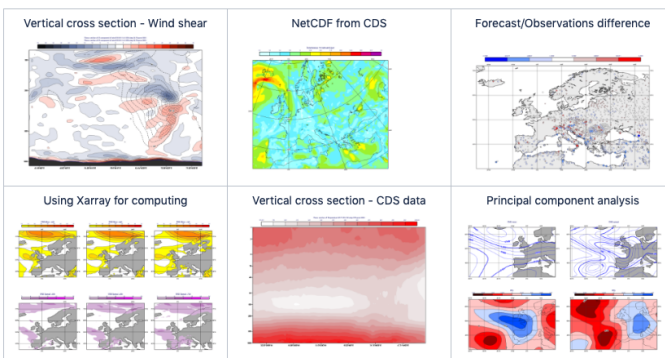
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