January 2023 software release

The January 2023 release of our software provides many new features, improvements and fixes! Note that the packages below are part of a much larger software stack used at ECMWF, and this is part of a release that is synchronised between all these packages.

---

ecCodes

ecCodes, the heart of GRIB and BUFR handling, brings several new features, improvements and fixes in version **2.28.0**:

- BUFR encoding memory leaks fixed
- Migration to GRIB2
- Latest GRIB/BUFR WMO tables
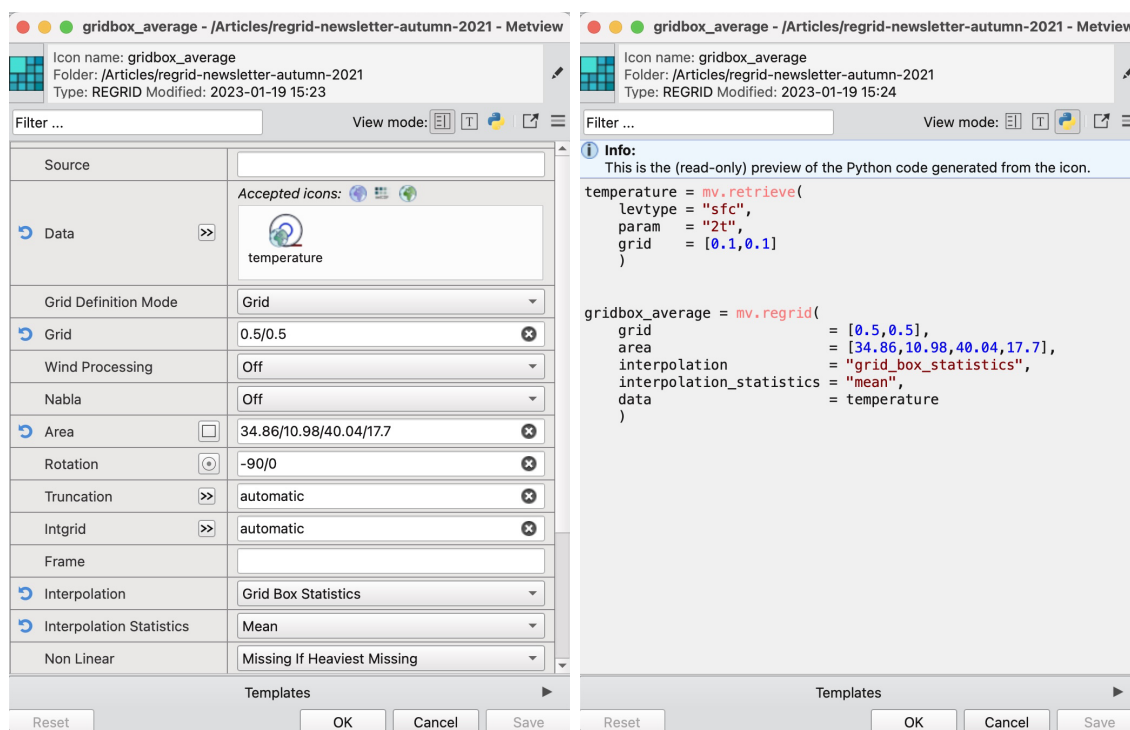- Miscellaneous bug fixes
- See ecCodes Release Notes for full details

> ⓘ Please note some important changes in the **next release** of ecCodes:
>
> - The Python2 interface will be removed
> - Users will require a C++ compiler to build ecCodes. It can no longer be built with a C compiler.
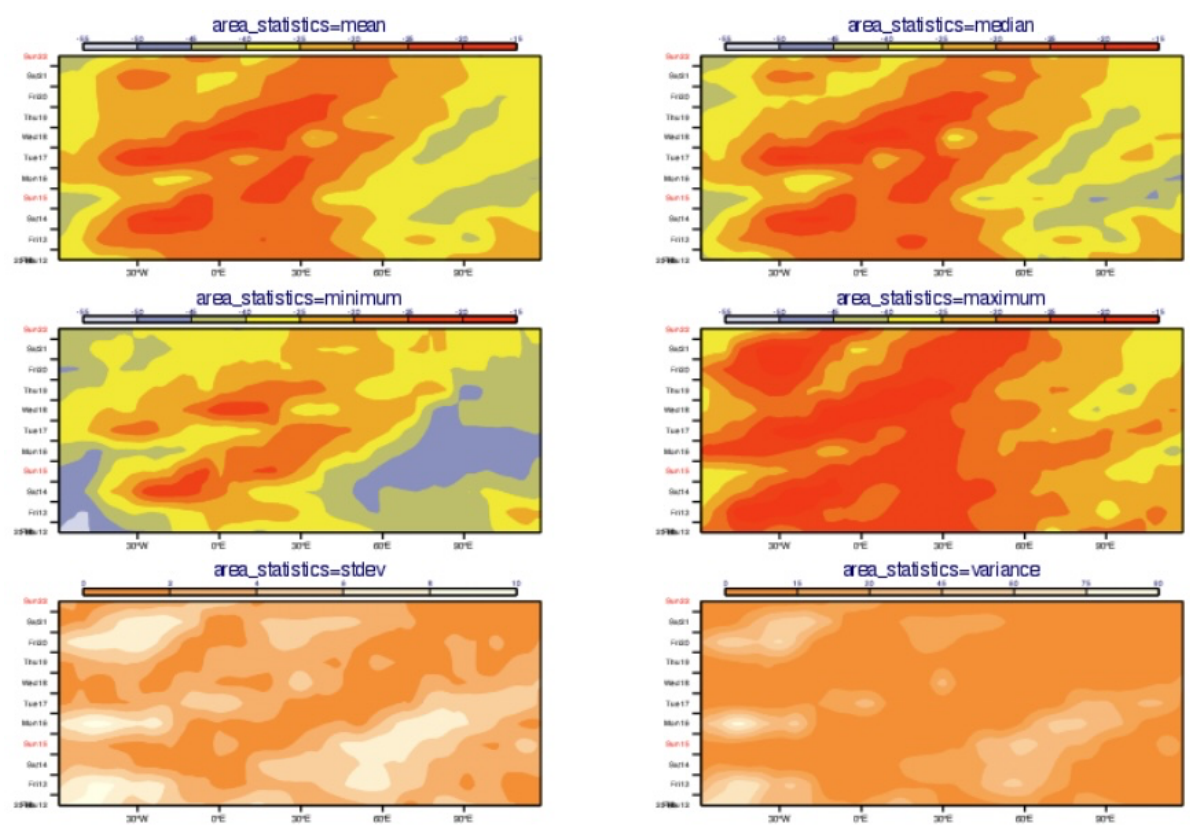>   Note: The C, Fortran and Python3 interfaces will not change.

Metview

Metview **5.18.0** brings a mix of new features, fixes and improvements including:

- The Hovmoeller module now offers additional area statistics such as *minimum*, *median* and *stdev*
- Icon editors now offer a panel with their equivalent Python code for easy copy/pasting into code editors
- Added *Properties* action in the icon context menu with the option to edit a symlink's target
- and more - see the release notes!

Metview's icon editors now provide a view of their equivalent Python code

The Hovmoeller module can now compute many area statistics beyond the mean

The software versions of this release are available on ECMWF's HPC as part of the module called ecmwf-toolbox and all are included in the The Metview Source Bundle. Versions on conda and brew should be available in the coming days. If you encounter any issues please feel free to use the ECMWF Support Portal.

ecCodes	2.28.0	Latest news
Metview	5.18.0	Latest news