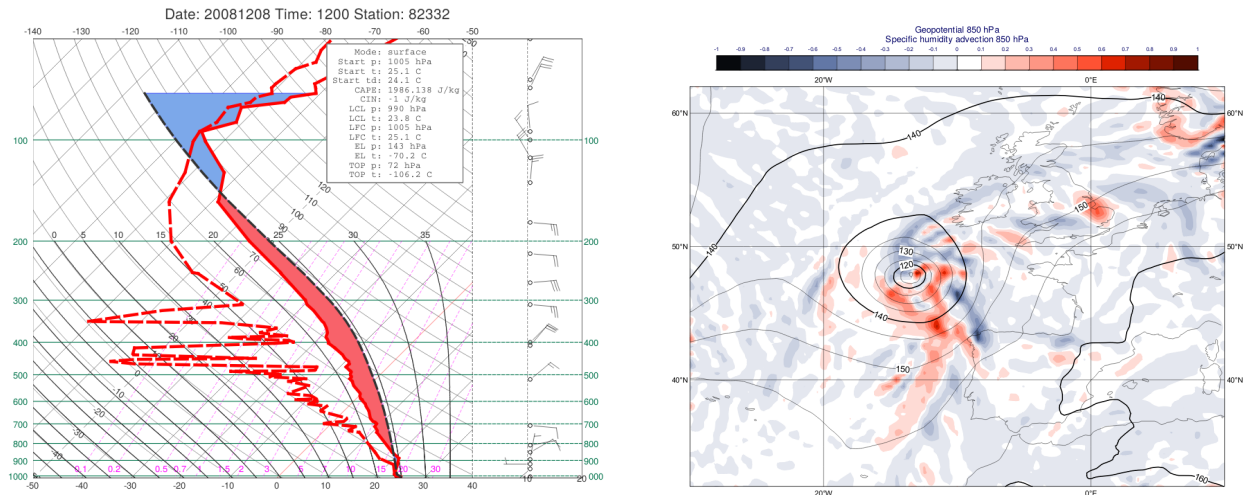


February 2019 Software release

This month's software release sees many major changes. This release should bring many improvements for Python users, with core packages, such as `ecCodes` and `Magics` now being accessible through `pip` and `conda`. This also includes now [the Windows operating system](#). With version 4.0 of `Magics` the Python interface is now not part of the the core software package anymore. Users should use `pip` or `conda` to install the Python extensions. This has the benefit of allowing support for using multiple Python versions at the same time. `Magics` also contains improvements for running with Jupyter notebooks. For examples see our [Magics Jupyter notebook examples](#).

This is the first release in which `Metview` uses the new interpolation package `MIR`. We recommend users to test this version carefully before introducing this in production use. The previous interpolation through `Emoslib` is still possible. We welcome any feedback to this change. `Metview` 5.5 also features a new set of [thermodynamic functions](#) and lots of new functionality for the `Geopoints` format.



New features of Metview: compute and plot a parcel path in a thermodynamic diagram (left) & functions based on the horizontal derivatives of regular lat-lon fieldsets have been added (right)

`Metview` is built at ECMWF with all the versions of our libraries listed in the table below, and all are included in the February 2019 [Metview Bundle](#). All these packages use the same build system based on `CMake` - simplifying and harmonising the installation experience. The versions are available on all ECMWF computer systems as "new" versions. If you encounter any issues please feel free to send feedback to Software.Support@ecmwf.int.

| | | |
|-------------------------|--------|---|
| ecCodes | 2.12.0 | ecCodes version 2.12.0 released |
| Emoslib | 4.5.9 | no update this months |
| ODB API | 0.18.1 | no update this months |
| Magics | 4.0.0 | Latest News |
| Metview | 5.5.0 | Version 5.5 Updates |